

**Placer County Water Agency
Middle Fork American River Project
(FERC No. 2079)**

FINAL

**REC 1 – RECREATION USE AND FACILITIES
TECHNICAL STUDY REPORT**



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1.0 INTRODUCTION

This report describes the developed Project recreation facilities associated with Placer County Water Agency's (PCWA's) Middle Fork American River Project (MFP or Project). In addition, this report provides estimates of recreation use at: (1) the Project recreation facilities; (2) dispersed concentrated use areas in the vicinity of the MFP; and (3) select locations within the Auburn State Recreation Area (ASRA). The information presented in this report was developed in accordance with the study elements outlined in the REC 1 –Recreation Use and Facilities Technical Study Plan (REC 1 – TSP). The REC 1 – TSP was included in Supporting Document (SD) H of PCWA's Pre-Application Document (PCWA 2007).

2.0 STUDY OBJECTIVES

The REC 1 – TSP included eight study objectives, as follows:

- Estimate existing recreation use of Project recreation facilities and dispersed concentrated use areas.
- Develop use estimates to be used as a basis for designing and implementing recreation user surveys.
- Estimate potential future recreation use in the vicinity of the MFP based on existing information.
- Characterize the condition of existing Project recreation facilities, including operations and maintenance responsibilities and current maintenance agreements.
- Assess consistency of Project recreation facilities with Universal Design Principal (UDP) standards and guidelines.
- Estimate existing recreation use at select locations in the Auburn State Recreation Area (ASRA).
- Characterize commercial and private whitewater boating use in the ASRA using existing data sources and user counts to be conducted at Ruck-a-Chucky (also known as Drivers Flat and Greenwood).
- Characterize developed recreation facilities and roads located within the ASRA that support stream-based recreation in the Middle Fork American River and the North Fork American River, between the Indian Bar Rafting Access and the Oregon Bar Access.

Figure REC 1-1 shows the REC 1 – TSP study objectives and the study elements and activities that relate to each of the study objectives.

3.0 STUDY IMPLEMENTATION

The REC 1 – Recreation Use and Facilities studies were conducted in 2007 and 2008 in accordance with the study objectives and elements outlined in the REC 1 – TSP. The

use estimates at Project recreation facilities and at the dispersed concentrated use areas are based on vehicle counts conducted by PCWA over a one year period extending from May 2007 through May 2008, supplemented by recreation use data provided by the U.S. Department of Agriculture – Forest Service (USDA-FS) and/or their concessionaire, and ASRA.

The physical description of the Project recreation facilities and select facilities located in ASRA relies on information developed through field surveys conducted in consultation with the USDA-FS and ASRA in 2008. The field surveys included conducting an inventory of the amenities at each developed recreation facility, assessing the condition of each facility, and evaluating accessibility conditions. In addition, detailed surveys of the recreation access roads were completed in conjunction with the LAND 1 – Transportation System TSP (PCWA 2007).

PCWA obtained information about commercial whitewater boating use, including use data, in the peaking reach from ASRA. In addition, PCWA conducted boater counts at the Ruck-a-Chucky Recreation Area during the summer of 2007 to estimate private whitewater boating use on the peaking reach. Whitewater boating on the peaking reach, including a detailed description of each run and commercial and private boating use estimates, was discussed in detail in the REC 4 – Stream Based Recreation Opportunities TSR (PCWA 2009a). Therefore, the whitewater boating runs and whitewater boating use along the peaking reach are not discussed further in this report.

Specific study elements that have been completed, outstanding study elements, and any deviations or proposed modifications to the REC 1 – TSP are discussed in the following subsections.

3.1 STUDY ELEMENTS COMPLETED

The REC 1 – TSP identified five primary study elements. The following summarizes the work completed to date, organized by study element.

- Developed estimates of existing recreation use at developed Project recreation facilities and at select dispersed concentrated use areas in the vicinity of the MFP. These estimates were developed using: (1) existing use data provided by the USDA-FS, campground concessionaires, and ASRA; and (2) new data developed by PCWA through vehicle counts.
- Developed information about potential future recreation use in the vicinity of the MFP, using population projections and recreation activity trends information available from existing literature sources, and information developed through the REC 2 – Recreation Visitor Surveys.
- Conducted a detailed inventory of each developed Project Recreation facility, including a condition assessment, and assessed select dispersed concentrated use areas identified by the stakeholders.

- Surveyed accessibility conditions at each Project recreation facility in coordination with USDA-FS staff to identify features that do not meet current ADA/ABA accessibility standards and other Universal Design Principles.
- Characterized recreation use within ASRA.
 - Characterized existing stream-based recreation use at select locations within the ASRA.
 - Characterized whitewater boating use in the ASRA.
 - Characterized developed facilities and roads located with the ASRA that support stream-based recreation.
 - Conducted a detailed assessment of the road and recreation facilities associated with the Ruck-a-Chucky Recreation Area and the Canyon Creek area.

3.2 DEVIATIONS FROM THE REC 1 – TSP

The REC 1 – Recreation Use and Facilities study was conducted as outlined in the REC 1 – TSP with no major deviations. Two minor deviations occurred as follows:

- The TSP indicated that PCWA would develop projections of potential future use at the Project recreation facilities, dispersed concentrated use areas, and sites within the ASRA over the license period. At the request of the stakeholders, this study element was not completed as outlined in the REC 1 – TSP. Specifically, PCWA did not develop projections of potential future use because the stakeholders consider these types of projections speculative. At the request of the stakeholders, PCWA summarized: (1) existing recreation trends information; (2) population projections available from the California Department of Finance; and (3) user demographic information derived from the REC 2 – Recreation Visitor Surveys. The results of this effort are documented in this report, without conclusions.
- One of the study element subtasks was to conduct on-site assessments of each of the developed Project recreation facilities with USDA-FS staff to determine the current condition and expected life of developed recreation facilities. The on-site assessments were completed in consultation with USDA-FS landscape architects. However, estimating the life expectancy of each facility was determined to be subjective and therefore not completed. With the concurrence of the ENF and TNF landscape architects, the site assessments focused on describing the overall condition of each facility, and the current condition of the facility features. In some cases, the features are outdated and have outlived their useful lifespan. These cases are noted on the facility inventory forms, on a case-by-case basis.

3.3 OUTSTANDING STUDY ELEMENTS

There are no outstanding study elements.

3.4 PROPOSED MODIFICATIONS TO THE REC 1 – TSP

There are no proposed modifications to the REC 1 – TSP.

4.0 EXTENT OF STUDY AREA

The study area included all of the developed Project recreation facilities and dispersed concentrated use areas located in the immediate vicinity of the MFP (Tables REC 1-1 and REC 1-2, respectively). The study area also included select sites located within the ASRA (Table REC 1-3).

5.0 STUDY APPROACH

The MFP includes a variety of developed Project recreation facilities, including seven campgrounds, three group campgrounds, three picnic areas, four boat ramps, and a vista. The information presented in this report focuses primarily on describing the developed Project recreation facilities, and characterizing use levels associated with these facilities.

Dispersed recreation use also occurs in the vicinity of the MFP. Dispersed use is recreation use such as camping and picnicking that occurs outside of a developed recreation area. In some cases the dispersed use is concentrated in a specific area. The USDA-FS defines this type of area as a “dispersed concentrated use area” (DCUA). Together, the stakeholders identified 17 DCUAs in the vicinity of the MFP. This report provides information about each of these DCUAs, including a brief description of the DCUA and recreation use estimates as determined through vehicle counts.

The peaking reach bisects land managed by the ASRA. This report characterizes the primary developed recreation facilities located along the peaking reach between the Oxbow Powerhouse and the Oregon Bar Access, and associated recreation use levels. In addition, it provides specific information about the Ruck-a-Chucky and Canyon Creek recreation areas, and Drivers Flat Road, which is the primary road access to these areas.

The information presented in this report was developed using existing data available from the USDA-FS and ASRA, supplemented by information developed by PCWA as part of the REC 1 – TSP and three additional studies, as follows:

- LAND 1 – Transportation System TSP (PCWA 2007) – Information developed as part of this study was used to map and describe the Project recreation facility access roads and the roads with the boundaries of the developed Project recreation facilities. In addition, it was used to describe and characterize Drivers Flat Road from Foresthill Road to Canyon Creek. A detailed description of the methods used to survey these roads is available in PCWA’s LAND 1 – Transportation System TSR (PCWA 2009b).

- REC 2 – Recreation Visitor Surveys TSP (PCWA 2007) – Information developed as part of this study was used to describe the demographic characteristics of the people who use each of the Project facilities and select areas in ASRA, and to characterize their opinions and experiences regarding the recreation facilities. Information about PCWA’s recreation visitor surveys, including a detailed description of the survey methods and results, is available in the draft REC 2 – TSR (PCWA 2009c).
- REC 4 – Stream-based Recreation Opportunities TSP (PCWA 2007) – Information developed as part of this study was utilized to help characterize stream based use at select sites located along the peaking reach, within ASRA. Additional information about stream-based recreation use in ASRA, including whitewater boating use estimates, is available in the REC 4 – Stream-based Opportunities TSR (PCWA 2009a).

Specific methods used to complete the REC 1 – TSP are described below, organized by study element.

5.1 EXISTING RECREATION USE AT PROJECT RECREATION FACILITIES AND DISPERSED CONCENTRATED USE AREAS

PCWA estimated existing recreation use at each of the Project recreation facilities and at the dispersed concentrated use areas identified in consultation with the stakeholders. The use estimates were developed using data available from the USDA-FS and/or their concessionaires, supplemented with data developed by PCWA through vehicle counts. These data sources and the vehicle count effort are described further in the following subsections.

The information developed as part of this study element was used to describe recreation use at each of the developed Project recreation facilities and at the DCUAs in the MFP vicinity. The results of the REC 2- Recreation Visitor Surveys were used to supplement the use information. Specifically, the REC 2 – Recreation Visitor Survey results were used to characterize the types of users that visit each site based on demographic information provided by the survey participants.

5.1.1 Campground Use Data Available from Concessionaire Records

The USDA-FS contracts with a concessionaire (American Land and Leisure) to operate and maintain the following five developed Project campgrounds in the Tahoe National Forest (TNF).

- Ahart Campground
- Lewis Campground
- French Meadows Campground
- Coyote Group Campground
- Gates Group Campground

In addition to their other operation and maintenance duties, the concessionaire collects information regarding recreation use (site occupancy). This information is regularly reported to the USDA-FS. The Forest Service provided PCWA with concessionaire records (2007-2008) for Ahart, Lewis, and French Meadows campgrounds. Occupancy data for the group campgrounds was provided to PCWA directly by the concessionaire. The concessionaire records were compiled and utilized to estimate recreation use in Recreation Visitor Days (RVDs).

The REC 1 – TSP indicated that PCWA would collect, compile, and evaluate the concessionaire data and would coordinate with the USDA-FS and its concessionaires, as appropriate, to implement basic modifications to their collection procedures aimed at obtaining reliable information for estimating campground use. PCWA reviewed historic use data, and based on the review provided the TNF with recommendations to improve the quality and reliability of the data collected by the concessionaires. It is unclear whether these recommendations were implemented. However, the concessionaire use data provided to PCWA for 2007 and 2008 was adequate to estimate recreation use at the campgrounds identified above.

5.1.2 “Iron Ranger” Data

The USDA-FS often relies on “iron rangers” for collecting fees at developed campgrounds. An iron ranger is a self-serve fee station and typically consists of a fee tube or box, which is used to collect fees, and an information board containing fee payment procedures. Information provided on the fee envelopes can sometimes be a useful source of use data.

Iron rangers are available at two campgrounds located in the Eldorado National Forest (ENF), Hell Hole Campground and Big Meadows Campground. PCWA requested iron ranger data for these two campgrounds from the ENF. The data provided to PCWA by the ENF appeared to be logs maintained by a forest ranger. Upon review, this data was determined to be unreliable for estimating use because it was collected and recorded on an intermittent and inconsistent basis. Therefore, PCWA conducted vehicle counts at these two sites and used the vehicle count data along with information derived through the REC 2 – Recreation Visitor Surveys to estimate use.

Iron rangers are also used to collect fees at the developed campgrounds in the TNF. However, at the TNF campgrounds, the concessionaire collects the fees from the iron rangers and records information provided on the fee envelopes, correlating it to actual observed use in the campground. This data was provided to PCWA as described under Section 5.1.1 above and was used to estimate use at the TNF campgrounds.

5.1.3 National Reservation System Data

Reservations are required to use Middle Meadows Group Campground, located in the ENF. Reservations are made through the National Recreation Reservation System (NRRS). PCWA obtained the NRRS data for Middle Meadows Campground with the intent of using the data to estimate recreation use. However, upon review, the

reservation data for Middle Meadows Campground were determined to be unreliable, mainly because the number of people per reservation is only rarely recorded. Where the number of people per group is unknown, NRRS uses the site capacity (25 and 50 persons at one time), which results in a substantial overestimate of use. Therefore, PCWA conducted vehicle counts at the Middle Meadows Group Campground. The vehicle count data were used along with information developed through the REC 2 – Recreation Visitor Surveys to estimate use at Middle Meadows Campground.

Reservations are also required at Gates Group Campground, Coyote Group Campground, and at 31 sites within French Meadows Campground, all of which are located in the TNF. The NRRS data for these sites was not obtained because use data for these sites was provided by the campground concessionaire.

5.1.4 Vehicle Counts

The existing data were used to the extent possible. However, existing use data is not available for all of the developed recreation facilities or for the dispersed concentrated use areas. In these cases, vehicle count data were used along with relevant data from REC 2 – Recreation Visitor Surveys (e.g., average persons per vehicle) to estimate recreation use at the Project recreation facilities and at the dispersed concentrated use areas identified in Tables REC 1-1 and REC 1-2. Vehicle counts were also used to estimate use at select sites located in ASRA, as identified in Table REC 1-3.

The vehicle counts were conducted for a one-year period extending from May 26, 2007 through May 23, 2008. The vehicle count sampling protocols and schedule were developed in consultation with the stakeholders during a series of recreation technical working group meetings held in early 2007.

Site Identification, Mapping and Labeling

The vehicle count locations were selected in consultation with the Recreation TWG. Individual parking areas associated with the various recreation areas were identified and subsequently mapped on aerial photos. Given the large geographic extent of the study area, the area was divided into two routes, and upper and lower route. The upper route covered the Hell Hole Reservoir, French Meadows Reservoir, Duncan Creek Diversion, and Long Canyon areas. The lower route covered the Ralston Afterbay area and select sites in the ASRA. Upper sites were assigned a “U” to their identification code; lower sites were assigned an “L.” The individual parking areas were then assigned a sequential identification code. In cases where multiple parking areas are associated with a facility, sites were broken down into sub sites with letter such as U9a, U9b etc. The vehicle count sampling sites are shown on Map REC 1-1 and Map REC 1-2, along with the identifying labels that were used to record and track the data.

Sampling Schedule

Vehicle counts were conducted over a one year period, beginning on May 26, 2007 and ending May 23, 2008. With the consensus of the stakeholders, the vehicle count

sampling effort varied by season. The highest level of effort occurred during the summer recreation season (Memorial Day weekend through Labor Day weekend).

The vehicle count sampling schedule was pre-established based on a random selection process. The sampling schedule was developed by stratifying the year into three periods (Summer, Fall, and Winter/Spring). Sampling days, starting points and route direction were all randomly selected. The selection of vehicle count days and time blocks used for the sampling schedule is summarized below, by season.

Summer 2007 (May 26 – September 3, 2007)

- 14-week period.
- 2 days each week - one weekday and one weekend day.
- Sampling during the three holiday periods (Memorial Day, July 4th, and Labor Day) occurred on two days, over the 3-day holiday periods.
- Sampling occurred during three time blocks, morning (AM), afternoon (PM), and evening (EVE). The AM period was from 8 a.m. to noon, the PM period was from noon to 4 p.m., and the evening period was from 4 p.m. to 8 p.m.
- The sampling schedule was cycled to represent 3 periods per day. The counts were conducted during two consecutive four hour periods on each sampling day for a total of 8 hours per day. Therefore, the sampling periods consisted of an AM/PM block or a PM/Evening block.

Fall 2007 (September 4 – November 30, 2007)

- 10-week period.
- 2 days each week – one weekday and one weekend day.
- The sampling schedule was cycled to represent 2 periods per day (AM, PM); AM period includes 8 a.m. to 1 p.m. and PM period includes 1 p.m. to sunset. The vehicle counts were conducted during one period on each sampling day.

Winter/Spring (December 1, 2007 - May 23, 2008)

- 28-week period.
- 1 day every week for sampling locations near Ralston Afterbay and selected sites in the ASRA and 1 day every other week for sampling locations near Hell Hole Reservoir, French Meadows Reservoir, and Long Canyon), alternating between weekdays and weekend days.
- Sampling schedule was cycled to represent 2 periods per day (AM, PM); AM period includes 8 a.m. to 1 p.m. and PM period includes 1 p.m. to sunset. The vehicle counts were conducted during one period on each sampling day.

The pre-established vehicle count sampling schedule is shown on Figure REC 1-2 (Summer), Figure REC 1-3 (Fall), and Figure REC 1-4 (Winter/Spring). Note that it was not possible to reach some of the sites along the upper route during the winter/spring

season due to snow. In addition, it was not possible to reach the Duncan Creek Diversion area between September 1 and October 15, 2007 because the road was closed while PCWA constructed a new bridge. Time periods when each facility was inaccessible due to snow or other factors are summarized on Table REC 1-6.

Vehicle Count Study Implementation

The vehicle counts were conducted by field technicians. A technician was assigned to either the upper loop or the lower loop, and was instructed to visit every sampling site in accordance with the pre-established schedule. The field technicians were instructed to record the numbers of vehicles by type at every location and recorded the data on pre-established forms developed in consultation with the Recreation TWG. A copy of the forms used to record data at each of the sites located along the upper and lower routes is included in Appendix A for reference.

Data Management and Analysis

All vehicle count data were entered into Microsoft Excel, tabulated by survey day and subsequently checked for data entry errors. The data were organized and tabulated by the seasons identified above.

The vehicle count data was used to estimate use in Recreation Visitor Days (RVDs). An RVD equals one person recreating for 12 hours, or any combination of people and hours equaling 12 hours. The USDA-FS typically documents recreation use in RVDs.

The RVD calculations consider the following variables: (1) the average number of vehicles observed on weekend days/holidays and weekdays at the vehicle count locations; (2) the average group size (number of people per vehicle); and (3) the number of days in the recreation season by weekday, weekend and holidays (for the summer only). These factors when multiplied provide an estimate of the number of RVDs for each vehicle count location. A description of each of the variables is provided in the following.

Average Number of Vehicles per Count

First, the number of cars/SUVs, trucks and Campers/RVs were totaled for each count. The average number of vehicles per count was obtained by first calculating the average number of vehicles for each time period AM, PM, EVE (for summer only) for each season and for weekends, weekdays, and holidays (for summer only). Then, the averages were combined to determine the average number of vehicles on each type of day (Summer weekends, Summer holidays, etc.). For example, if the average number of vehicles on-site for an AM period was 3.0, and 2.0 for the PM period – the average is calculated as 2.5 vehicles.

Average Number of People per Vehicle

The RVD calculation accounts for the average number of people per vehicle, which was determined using information collected as part of the REC 2 – Recreation Visitor

Surveys. Survey participants were asked how many people were in their vehicle. The results were tabulated by site and by geographic area. For consistency purposes, and to account for sites for which there is very little or no survey data (e.g., some day use sites and DCUAs), the average number of people per vehicle by geographic area was used in the RVD calculation. The average number of people per vehicle by area is as follows:

- Hell Hole Reservoir Area – 2.7 people per vehicle
- French Meadows Reservoir Area – 2.8 people per vehicle
- Duncan Creek Area – 2.0 people per vehicle
- Long Canyon Area – 3.3 people per vehicle
- Ralston Afterbay Area – 3.9 per vehicle
- ASRA Area Facilities – 3.8 people per vehicle

The Ralston Afterbay Area includes the Indian Bar Rafter Access, which is used as a put-in for commercial whitewater boating. Commercial outfitters often use vans or buses to transport their customers, which substantially skews the use calculations. Therefore, the use data presented in this report does not include commercial whitewater boating activity.

Number of Days per Season

The RVD calculation accounts for the number of days in each season, as follows:

Summer Season (May 26 – Sept 3)

- Holidays (Includes Sundays before Monday Holidays) – 5 Days
- Weekend days – 28
- Weekdays – 68

Fall (Sept 4 – Nov 30)

- Weekend days– 24
- Weekdays – 64

Winter/Spring (Dec 1 2007 – May 23 2008)

- Weekend days – 49
- Weekdays – 126

As indicated, the winter/spring period includes substantially more days than the summer and fall periods. As such, the winter/spring use estimates often appear high as compared to the summer and fall periods. The reader should consider the length of each period when reviewing the use data.

Calculation

The estimate of recreation use in RVDs was obtained by multiplying the average number of vehicles, the average number of people per vehicle, and the number of days in each season. Accounting for vehicle turnover is not necessary because one individual staying on-site for 12-hours is counted the same as two people staying on site for six hours. Therefore, it is not important if a different vehicle is present during the PM period compared to the AM period. The calculation assumes a 12-hour day-use period of 8AM-8PM. Day-use is expected to be negligible outside of this period. The use estimates are multiplied by two to account for the overnight use at Project campgrounds.

The use estimates in RVDs as derived through the vehicle count data is provided in Appendix B, organized by area. The appendix includes RVDs for each site in each area, broken down by season and by weekdays, weekends, and holidays. The use data is also summarized in the results section of this report, by site.

5.2 POTENTIAL FUTURE RECREATION USE

PCWA compiled and reviewed a variety of existing information sources to develop information about potential future recreation use and trends. The search focused on two primary sources: (1) governmental agencies that manage outdoor recreation resources; and 2) peer-reviewed professional papers. Information about recreation participation rates and trends was found in the following reports:

- Outdoor Recreation Participation Report 2008. The Outdoor Foundation. 2008.
- 2006 National Survey of Fishing, Hunting, and Wildlife Associated Recreation U.S. Fish and Wildlife Service, 2006.
- National Survey on Recreation and the Environment. USDA Forest Service, 2000.
- The Latest on Trends in Nature-Based Outdoor Recreation. Cordell, Ken H. Forest History Today, Spring 1988.
- Outdoor Recreation Activity Trends: What's Growing, What's Slowing? Cordell, Ken, H. et. al., 2008.
- Nature-based Outdoor Recreation Trends and Wilderness. Cordell, H. Ken, Carter J. Betz, and Gary T. Green. International Journal of Wilderness. August 2008.
- Wilderness Recreation Participation: Projections for the Next Half Century. Bowker, J. M., D. Murphy, H. K. Cordell, D. B. K. English, J. C. Bergstrom, C. M. Starbuck, C. J. Betz, G. T. Green, and P. Reed. 2007. USDA Forest Service Proceedings RMRS-P-49. 2007.

In general, the information contained in the existing published literature is based on data collected nationally or on a State-wide basis. None of these reports contain information that specifically pertains to recreation at remote reservoirs and facilities such as those

associated with the MFP. Therefore, the pertinent information presented in these seven reports was used to generally describe trends in outdoor recreation and future participation rates.

Information developed through the REC 2 – Recreation Visitor Surveys was used to develop demographic information about the users encountered at the MFP facilities, and at select facilities located in the ASRA. For example, the visitor survey results were used to identify the counties in which MFP visitors reside, their ages, ethnicity, and group sizes. This information was then used to identify specific population information that may be useful in estimating future recreation trends. Data produced by the State of California Department of Finance was used to summarize anticipated trends in population growth and demographic changes as they pertain to the MFP.

The characteristics of the visitors that currently use the MFP and ASRA facilities are summarized in the results section of this report, by area. In addition, pertinent population projections are presented in the results section of this report, by area. Trends in outdoor participation rates were described in the REC 3 – Reservoir Opportunities Report (PCWA 2009d). Therefore, this information is not reiterated in this REC -1 TSR.

5.3 RECREATION FACILITY ASSESSMENT AT PROJECT RECREATION FACILITIES AND DISPERSED CONCENTRATED USE AREAS

A detailed assessment of each of the developed Project recreation facilities, including a condition assessment, was conducted in 2008, in consultation with Forest Service representatives. The dates that each facility assessment was conducted is shown on Table REC 1-7. In addition, a detailed survey of the Project recreation access roads and water supply roads and trails was conducted in conjunction with the LAND 1 – TSP (PCWA 2007). A list of the Project recreation access roads and water supply roads and trails is provided in Table REC 1-8. The road survey dates are shown on Table REC 1-7.

The following specific tasks were completed as part of this study element.

- Developed Geographic Information System (GIS)-based maps showing the location of all of the existing Project recreation facilities identified in Table REC 1-1 and the dispersed concentrated use areas identified in Table REC 1-2. The maps also show trails and trailheads and associated parking areas.
- Developed footprints showing the approximate boundaries of all of the developed Project recreation facilities, and at the dispersed concentrated use areas where footprints are discernable. These footprints were developed by either: (1) digitizing existing PCWA or USDA-FS footprint maps; or (2) taking measurements in the field using a portable Global Positioning System (GPS) unit. In either case, the information was incorporated into the GIS database for future reference.

- Obtained and reviewed USDA-FS recreation facility inventory information, primarily output from the Forest Services' INFRA database. This information was used to develop a baseline understanding of the features at each facility prior to conducting the site assessments.
- Obtained and reviewed Site Action Plans developed by the Eldorado National Forest (ENF) and the Tahoe National Forest (TNF) in 1999. These documents were utilized as a starting point for each facility assessments, particularly with respect to accessibility conditions.
- Compiled, reviewed, and summarized information developed through the FERC inspection process. This information is summarized on Table REC 1-9 and is not discussed further in this report.
- Identified current operation and maintenance activities and responsibilities at each of the Project recreation facilities.
- Developed a Facility Inventory Form in consultation with the USDA-FS. This form was used to conduct each of the facility assessments, but was modified slightly as the assessment process proceeded to account for the variety of amenities and features at each site. The facility inventory forms are provided in the appendices of this report.
- Conducted on-site assessments of each of the developed Project recreation facilities with USDA-FS staff to determine the current condition of developed recreation facilities.
- Photographed select features at Project recreation facilities to illustrate current facility condition. The photographs are provided in the appendices of this report.
- Characterized existing information sources including, brochures, maps, and websites describing resources in the vicinity of the MFP, focusing on developed recreation facilities. A summary of these resources is provided on Table REC 1-10 and is not discussed further in this report.
- Inventoried, photographed, and described interpretive displays and/or signage at Project facilities. All signage is itemized on the facility Inventory forms provided in the appendices of this report. In addition, select photographs are included in the appendices of this report.

The information developed as part of this study element was used to describe each developed Project recreation facility and the DCUAs in the MFP vicinity. The results of the REC 2- Recreation Visitor Surveys were used to supplement the descriptions. Specifically, the REC 2 – Recreation Visitor Survey results were used to summarize user opinions, preferences, and experiences regarding the developed Project recreation facilities and some of the DCUAs, depending upon data availability.

5.4 UNIVERSAL DESIGN PRINCIPLES (UDP) ASSESSMENT

PCWA surveyed accessibility conditions at each of the Project recreation as part of the detailed facility assessments. The surveys were conducted in coordination with USDA-

FS staff and focused on identifying features at each of the Project recreation facilities that do not meet current Americans with Disability Act (ADA) and/or Architectural Barriers Act (ABA) accessibility standards, and other Universal Design Principles. The survey results are documented on each of the site inventory forms and are discussed in the text of this report, as appropriate.

5.5 RECREATION USE WITHIN THE AUBURN STATE RECREATION AREA (ASRA)

The peaking reach bisects ASRA. In accordance with the REC 1 – TSP, PCWA identified and characterized select facilities located along the peaking reach that support stream-based recreation use, and characterized use at these locations. In addition, PCWA conducted detailed assessments of the Ruck-a-Chucky Recreation Area, Canyon Creek, and Drivers Flat Road, and conducted recreation use studies at select locations to estimate stream-based recreation use. The recreation use studies included: 1) conducting vehicle counts at five locations and using the data to estimate stream-based recreation use; and 2) conducting whitewater boating counts at Ruck-a-Chucky to estimate private boating use along the peaking reach. These activities are described further in the following.

5.5.1 Existing Stream-based Recreation Use at Select Locations in the ASRA

PCWA estimated stream-based recreation use at five locations in ASRA, as follows:

- Indian Bar Rafting Access and General Parking (also a Project recreation facility);
- Cherokee Bar (located at the end of Sliger Mine Road);
- Ruck-A-Chucky Recreation Area (located at the end of Drivers Flat Road);
- Mammoth Bar/Murderer’s Bar; and
- Confluence Area (the confluence of the North Fork and Middle Forks of the American River.

The locations of these sites are identified on Map REC 1-2.

Stream-based recreation use at these locations was estimated using vehicle count data collected by PCWA. The vehicle counts were conducted according to the same methods and frequency used for the Project recreation facilities. Two of these sites, Mammoth Bar and the Confluence Area, cover broad areas that support a variety of recreation uses. As such, PCWA consulted with ASRA staff to identify specific locations at these two sites that support stream-based users. Cherokee Bar is visible from Drivers Flat Road. As such, vehicle counts at Cherokee Bar were conducted from an overlook on Drivers Flat Road. The vehicle count data was used to develop estimates of recreation use at each facility, using the methods described in Section 5.1.4 above.

The ASRA estimates use at Ruck-a-Chucky Day Recreation Area, Mammoth Bar, and in the recently opened China Bar Recreation Area, using information collected as part of their fee collection system. ASRA provided PCWA with use data for these localities and

the use data is documented in this report for comparative and contextual purposes, where appropriate.

A limited amount of use data is available in the ASRA's Annual Report to the Bureau of Reclamation (BOR). PCWA reviewed ASRA's Fiscal Year 2005/2006 Annual Report to the BOR, but did not use the data presented in the report because it unclear how the data was collected or how the use estimates were derived.

5.5.2 Whitewater Boating Use in the ASRA

The peaking reach is used for commercial whitewater boating, and to a lesser extent private whitewater boating. Information regarding the individual boating runs, put-ins, take-outs, level of difficulty, and boatable flow ranges was developed in conjunction with the REC 4 – Stream Flow and Opportunities TSP and is therefore described in detail in the REC 4 – Stream-based Recreation Opportunities TSR (PCWA 2009a).

PCWA collected, compiled and summarized commercial and private whitewater boating use data available for the Middle Fork American River downstream of Oxbow Powerhouse. PCWA augmented the existing boating use data by counting boating use as observed at Ruck-a-Chucky (also known as Drivers Flat and Greenwood). Specifically, PCWA counted the number of rafts and other watercraft that used Ruck-a-Chucky as a take-out or a put-in, the numbers of persons per watercraft, and specified whether these users were private boaters or associated with a commercial outfitter. The counts began on Memorial Day weekend and continued until PCWA's maintenance outage, which began on September 28, 2007. The boating count methods and all results are included in the REC 4 – TSR, and are therefore not discussed further in this report.

5.5.3 Developed Facilities and Roads Located within the ASRA that Support Stream-based Recreation

PCWA characterized and mapped the location of existing developed recreation areas along the peaking reach that support stream-based recreation. This effort focused on the following specific locations identified in the REC 1 – TSP:

- Indian Bar Rafting Put-in (a Project recreation facility, also referred to by ASRA as the Oxbow River Access/Put-in)
- Cache Rock
- Fords Bar/Otter Creek
- Canyon Creek
- Ruck-a-Chucky Recreation Area (also referred to as Drivers Flat and Greenwood)
- Cherokee Bar
- Poverty Bar
- American Canyon

- Mammoth Bar/Murderer's Bar
- Quarry Road Trailhead
- Confluence Area
- New River Access at Auburn Dam site (to be constructed in 2008)
- New River Access at Oregon Bar (to be constructed in 2008)

The characterization of these areas is based on: 1) information available in existing published literature; 2) information provided by ASRA staff, 3) information developed through several focus group sessions conducted by PCWA in April and May, 2008; and 4) information developed through site visits. PCWA consulted with ASRA and to obtain, review and interpret existing information regarding recreation facility/site condition within the ASRA. PCWA also conducted a brief site visit to each recreation site to verify the characterization. ASRA staff was asked to accompany PCWA during the site visits but declined due to time constraints.

5.5.4 Detailed Assessment of Roads and Recreation Facilities associated with the Ruck-a-Chucky (Drivers Flat, Greenwood) and Canyon Creek Areas

PCWA conducted a detailed assessment of the roads and recreation facilities associated with the Ruck-a-Chucky Recreation Area and the Canyon Creek area. The detailed site assessment included the following activities:

- Developed a GIS map showing the location and footprints the Ruck-a-Chucky and Canyon Creek recreation areas, including Drivers Flat Road, and the road segment between Ruck-a-Chucky and Canyon Creek.
- Identified current operation and maintenance activities associated with these two areas, and responsible parties.
- Conducted on-site assessments of these areas to determine the current condition and expected life of these facilities and their amenities. The assessment included features such as toilets, campsites, parking areas, water systems, boat ramps, signage, and other features located within the footprint of each recreation area.
- Assessed Drivers Flat Road extending from Foresthill Road to its terminus at Canyon Creek, and any associated drainage features. The assessment of the roads was conducted according to the same standards used to assess the Project roads, as outlined in the LAND 1 – Transportation System TSP. In addition, the current condition of Drivers Flat Road was assessed as it relates to equestrian use. This information was developed during a trail user/stream crossing focus group session conducted on May 12, 2008, supplemented by information provided by equestrian users after the meeting, mainly in the form of comment letters.
- Photographed select features to illustrate current facility condition.

6.0 RESULTS

The following sections describe the results of the REC 1 –Recreation Use and Facilities study. In order to provide cohesive and comprehensive information about each of the developed recreation facilities and the DCUAs in the study area, the results are presented by each developed facility or DCUA, organized by the following geographic areas:

- Hell Hole Reservoir Area
- French Meadows Area
- Duncan Creek Area
- Long Canyon Area
- Ralston Afterbay Area
- ASRA Area

Each facility or DCUA located in each of these areas is described individually, beginning with a brief description of the facility or DCUA. Each individual discussion then covers the following topics:

- Existing Recreation Use
- User Characteristics (based on REC 2 – Recreation Visitor Survey results)
- Facility Assessment
- User Opinions Regarding Facility or Amenities (based on REC 2 – Recreation Visitor Survey results)

Note that none of the facilities located in ASRA are Project facilities. Some of the ASRA facility descriptions are more detailed than others, depending upon the study requirements outlined in the REC 1 – TSP.

One of the study elements was to estimate potential future recreation use in the vicinity of the MFP. This topic pertains to all of the study area. Accordingly, this topic is discussed separately at the end of this report.

6.1 HELL HOLE RESERVOIR AREA

Hell Hole Reservoir is located in the Rubicon River Canyon at an elevation of approximately 4,630 feet above mean sea level (MSL). The surrounding landscape is characterized by steep and rocky slopes, which are primarily composed of granite and covered by brush and mixed-conifer forest. In general, the Hell Hole Reservoir area is typically accessible from about May 15 to November 1. However, snow may limit access to the area until the end of May. Most recreation use occurs between Memorial Day and Labor Day, with the heaviest use occurring on weekends and holidays.

The Hell Hole Reservoir area is located within the boundaries of the Eldorado National Forest and provides a variety of recreation opportunities including fishing, camping, reservoir boating, hiking, picnicking, and sight seeing. These opportunities are supported by five developed Project recreation facilities, as follows:

Campgrounds

- Big Meadows Campground
- Hell Hole Campground
- Upper Hell Hole Campground

Day Use Facilities

- Hell Hole Vista
- Hell Hole Boat Ramp and associated parking areas

The stakeholders also identified two DCUAs in the Hell Hole Reservoir Area, as follows:

DCUAs

- Area on west side of Hell Hole Reservoir, between dam and Hell Hole Boat Ramp
- Grey Horse Area

The locations of these recreation facilities and DCUAs are shown on Map REC 1-3, which also shows the locations of the primary MFP facilities and land ownership. As indicated, Big Meadows Campground, Hell Hole Campground and Hell Hole Vista are not located in the immediate vicinity of Hell Hole reservoir. Upper Hell Hole Campground is located at the upper end of the reservoir (south shore) and is accessible by boat or via the Upper Hell Hole Trail (14E02.3). The Hell Hole Boat Ramp provides the primary access to the reservoir.

A limited amount of dispersed use occurs in the Hell Hole Reservoir area and camping in undeveloped areas is not prohibited. However, the steep terrain and sparse road access generally limits dispersed use to one undeveloped area referred to as Grey Horse. As shown on Map REC 1-3, Grey Horse is located at the upper end of the reservoir, northwest of Upper Hell Hole Campground and is accessible by the Hell Hole OHV Trail (14N09A). Neither the Greyhorse area nor the OHV trail are Project facilities.

All of the developed Project recreation facilities in the Hell Hole Reservoir Area are operated and maintained by the Eldorado National Forest. Routine operation and maintenance activities are paid for in part with funding provided by PCWA in accordance with Collection Agreement #03-CO-11051754-014, which was fully executed on April 1, 2003 and recently amended in early 2010. The collection agreement requires PCWA to pay a portion of the costs associated with the “administration, operating, maintenance, repair, renewal, and replacement of the

recreation facilities.” The specific items covered by the agreement are specified in Exhibit B of the agreement, but may be modified with mutual consent.

The following subsections describe each of the developed recreation facilities and DCUAs in the Hell Hole Reservoir area.

6.1.1 Big Meadows Campground

Big Meadows Campground is accessible from Eleven Pines Road (FR 2) and is located about 2.7 road miles northwest of Hell Hole Boat Ramp. The campground was originally constructed in 1967, improved in 1995 as part of a MFP license agreement, and again in 2008.

Big Meadows Campground includes 54 family-sized units, one of which is designated handicapped accessible (Site 52). Other amenities located within the campground boundaries include bathrooms with flush toilets, vault toilets, bear-proof garbage bins, bear-proof food storage lockers, and faucets with potable water. The overall layout of Big Meadows Campground is depicted on Map REC 1-4.

This facility is generally open between about May 15th and November 1st, depending upon weather conditions. A gate located near the entrance of the facility is closed and locked to prevent access to this facility during the winter. In 2007, the campground was closed on October 29th and in 2008 it was closed on October 12th (Pers. Comm. J. Jue January 26, 2010).

Existing Recreation Use

The USDA-FS collects recreation use data at this site. However the data is collected on an inconsistent and sporadic basis and therefore unreliable. Accordingly, PCWA conducted vehicle counts at this facility and used the data to estimate use. The results are summarized below, organized by season. More detailed data for this facility, including weekend, weekday, and holiday use, is provided in Appendix B.

Estimated Recreation Use at Big Meadows Campground (in RVDs)

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 - Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
3,002.2	1,396	0	4,398

As indicated, use ranged from 1,396 RVDs during the fall season to 3,002 RVDs during the summer season. No use was observed during the winter/spring season. Big Meadows Campground was closed and therefore inaccessible for vehicle counts from October 27th, 2007 through the last scheduled vehicle sampling date on May 17th, 2008.

User Characteristics

Section A-1 (Background Information) and Section A-2 (Camping at a Developed Facility) of the REC 2 – Recreation Visitor Survey instrument contained questions that were designed to develop demographic information about the survey respondent, their activities, and visitation patterns. A total of 94 people who camped at Big Meadows Campground completed both of these sections. The results of these 94 surveys were tabulated for analysis and are summarized in Tables C-1 and C-2 of Appendix C, respectively, by survey question. Select results are discussed below.

Recreation Activities

Survey participants were asked to identify the activities they engaged in during their visit. Multiple responses were accepted. All 94 people who said they camped at Big Meadows Campground answered this question, with the following results:

- Camping at a developed site – 100% (94 people)
- Fishing – 42.6% (40 people)
- Reservoir recreation – 35.1% (33 people)

All other responses were less than 7% and are summarized on Table C-1.

Vehicle Type

Survey participants were asked to identify the type of vehicle they used to drive to the area. A total of 87 people answered this question. The majority of people (90.8%) identified “car/SUV/Truck.” Seven people (8.0%) identified “camper/RV” and one person identified “jeep.”

Number of People in Vehicle

Survey participants were asked how many people were in their vehicle. A total of 90 people answered this question. The average number of people per vehicle was 2.7, with a standard deviation of 1.6.

Group Age Categories

Survey participants were asked how many people in their group were under 18 or over 18. A total of 90 people provided sufficient information to analyze. Based on the information provided, 83.9% of the people in each group were 18 or over and 16.1% were under 18.

Residence/Area of Origin

Survey participants were asked to identify their place of residence by zip code. A total of 89 people answered this question. The majority of respondents reside in the following three counties. All other responses were <7% and are summarized on Table C-1.

- Placer County – 31.5%

- El Dorado County – 21.3%
- Sacramento County – 21.3%

Respondent's Age

Survey participants were asked the year they were born. A total of 84 people answered this question. The responses to this question were used to determine the average age of the survey participants, which was 45.5, with a standard deviation of 13.8.

Ethnicity

Survey respondents were asked to identify the cultural or ethnic group they most closely identify with. A total of 89 respondents answered this question, with the following results. The majority (92.1%) of respondents were White/Caucasian. Other responses included: Hispanic or Latino (3.4%), American Indian or Alaskan Native and black/African American (both 1.1%), and other/multiracial (2.2%).

Primary Language

Survey participants were asked to identify their primary spoken language. A total of 69 people answered this question. All respondents identified English as their primary spoken language.

Reasons for Visiting the Area

Survey participants were asked to identify the main reason they chose to visit the area. After excluding invalid responses, a total of 61 responses were analyzed, with the following results.

- The most frequent responses were “lack of crowding” and “scenic quality of the area” (both 21.3%).
- Other responses included, in order of response rate: “recreational activities/opportunities in the area” (16.4%), “access to lake/reservoir” (14.8%), “close to home” and “other” (both 9.8%), “access to river/stream” (4.9%), and “cost of facility access fee” (1.6%).

Survey participants were also asked to specify any number of secondary reasons for visiting the area. A total of 62 people properly answered this question. Multiple responses were accepted.

- The most frequent response was “lack of crowding” (46.8%).
- Other responses included, in order of response rate: “scenic quality of the area” (38.7%), “close to home” (35.5%), “access to lake/reservoir” (33.9%), “recreational activities/opportunities in the area” (25.8%), “cost of facility access fee” (24.2%), “access to river/stream” (16.1%), and “other” (4.8%).

Primary and Secondary Activities

Survey participants were asked to identify the activities they engaged in, or expected to engage in, during their trip. They were instructed to check one main activity and one or

more secondary activities. The primary and secondary activities identified by the survey respondents are tabulated on Table C-1 and summarized below.

- A total of 52 people identified one main activity. The most frequent response was “camping in developed sites” (36.5%) followed by “reservoir fishing” (32.7%).
- A total of 52 people identified one or more secondary activities. The most frequent responses were “relaxing” (44.2%) and “hiking/walking” (34.6%).

Number of Nights Camping

Respondents were asked how many nights they would be camping during their visit. All 94 people answered this question. The responses to this question were used to determine the average number of nights that respondents camped, which was 2.6, with a standard deviation of 1.4.

Facility Assessment

An inventory of the amenities and features associated with Big Meadows Campground, including a condition assessment, was conducted on August 21, 2008 in consultation with an ENF Landscape Architect. In addition, a detailed survey of the access road and the campground loop roads was conducted on September 30, 2008. The facility inventory is included in Appendix D-1 and photographs of select facility features are included in Appendix D-2. The detailed road survey results are provided on Tables REC 1-11 and REC 1-12. A brief overview of facility elements is provided in the following subsections.

Note that the inventory represents conditions on August 21, 2008. Many of the campground features were upgraded by PCWA in fall 2008 and in 2009 as part of an ongoing campground rehabilitation effort. Specific improvements that have been made to Big Meadows Campground since August 21, 2008 were provided by the ENF and have been incorporated into this report and the inventory tables, as appropriate.

Entrance Road, Fee Station, and Loop Roads

Big Meadows Campground is accessible via a single-lane road that extends from FR-2 to the campground. The road is 1,474 feet long, but the first 418 feet of the road (from FR-2) crosses private property and is not a Project recreation facility access road. The access road is paved and is generally in fair condition, with the exception of the entrance which is in poor condition. Several potholes are also present along the road, particularly along the edge.

The fee station is located on the south side of the access road, near the campground loops, in a large turnout. The turnout is paved and in good condition. The fee station includes a fee tube and six large wood signs set in painted wood frames. All of the wood frames are in good condition and the signs are generally in good condition, but some of the edges of the signs have been damaged by wildlife.

The campsites are accessible via two single-lane loop roads that traverse the campground. The loop roads are paved and in fair condition with potholes and raveling along the edges, and some alligator cracking. The edges of the roads and adjacent site spurs are lined with barrier rocks and barrier posts to help contain vehicles to the roadway. In 2008 and 2009, PCWA added, removed, and replaced barrier rocks and barrier posts along the campground loop roads and spurs as part of a barrier replacement plan executed in coordination with the Forest Service.

Campsites

Big Meadows Campground includes 54 campsites. Each campsite consists of a paved spur, a picnic table, a fire ring with grill, and in some cases a bear-proof food storage locker (bear box). One of the sites (Site 54) is fully accessible, meaning the spur, campsite surface, and all amenities meet accessibility standards. As of the August 21, 2008 site visit none of the other sites were fully accessible, although all included an accessible fire grill and some included accessible tables. However, since the site visit, PCWA has replaced 12 non-accessible tables with accessible tables and elongated and widened some of the spurs, as follows.

- The spurs at 10 of the sites were elongated to 55 feet to accommodate longer trailers and widened to 20 feet to accommodate persons with disabilities.
- The spur at Site 39, a double unit, was elongated to 50 feet long and widened to 36 feet.

Campground Amenities

Common areas in the campground include bathrooms, water faucets with potable water and bear-proof garbage bins. Over time, PCWA and the Forest Service have been upgrading the toilets and faucets to meet accessibility standards, as follows.

- One of the older bathrooms, a 4-unit wood structure with flush toilets located on the west side of campground, adjacent to Site 52, was converted to an accessible bathroom in 1995.
- All old wooden vault toilet buildings in the campground have been replaced with modern, accessible, unisex, precast concrete toilets (CXTs). In addition, two new CXTs were recently installed. Currently, the campground includes four single-unit CXTs.
- One of the older bathrooms, a 4-unit wood structure with flush toilets located on the east side of campground, between Sites 38 and 39, was recently replaced with a double unit, accessible CXT. The CXT does not include flush toilets because the leach lines had stopped functioning.
- All of the water faucets in the campground have been upgraded to meet accessibility standards.
- The campground includes seven double-bin bear proof garbage bins located at various locations throughout the campground.

Water System

Potable water is available at Big Meadows Campground. The water supply is referred to as the Big Meadows Campground Water Supply and is shown on Map REC 1-4. This source also supplies the Hell Hole Campground described below.

The water source is a 350' vertical well located on a hill above Hell Hole Station. From the well, the water is pumped into a 1,700 gallon fiberglass water tank located about 200 feet south of the source. Water is supplied to the campgrounds via a supply line and distributed throughout the campgrounds via distribution lines.

According to the Forest Service, the well does not produce enough water to supply both Big Meadows and Hell Hole campgrounds. In addition, the supply line breaks every season. The lower loop in the Big Meadows Campground was recently replaced. However, the lower loop line is old and sometimes breaks.

User Opinions Regarding Big Meadows Campground

Section A-1 (Background Information) and Section A-2 (Camping at a Developed Facility) of the REC 2 – Recreation Visitor Survey instrument included questions related to campground amenities and recreation experience. A total of 94 people who camped at Big Meadows Campground completed both of these sections. The results of these 94 people were tabulated for analysis and are summarized on Tables C-1 and C-2, respectively, by survey question. Select results are discussed below.

Importance of Facilities and Amenities

Survey participants were asked to rate the importance of various facilities and amenities when choosing the area to recreate. The responses to this question are summarized on Table C-1 and pertinent responses are summarized below.

- 72.0% (64 of 89 people) said developed campsites are very important (36.0%) or important (36.0%). Sixteen people (18.0%) said developed campsites are somewhat important and nine people (10.1%) said that developed campsites are not important.
- 40.7% (35 of 86 people) said flush restrooms are very important (17.4%) or important (23.3%). Twenty-six people (30.2%) said that flush restrooms are somewhat important and 25 people (29.1%) said they are not important.
- 81.8% (72 of 88 people) said drinking water is very important (44.3%) or important (37.5%). Twelve people (13.6%) said drinking water is somewhat important. Four people (4.5%) said that drinking water is not important.
- 18.3% (15 of 82 people) said RV dump stations are very important (8.5%) or important (9.8%). Nineteen people (23.2%) said that RV dump stations are somewhat important and the majority of people (58.5%) said RV dump stations are not important.
- 57.2% (48 of 84 people) said fishing trail access is very important (26.2%) or important (31.0%). Nine people (10.7%) said fishing trail access is somewhat important and 27 people (32.1%) said it is not important.

- 23.7% (18 of 76 people) said that interpretative/educational exhibits/information is very important (10.5%) or important (13.2%). Twenty-five people (32.9%) said interpretative/educational exhibits/information is somewhat important and 33 people (43.4%) said is not important.

Information Resources

Survey participants were asked to rate the availability and adequacy of various information resources. The responses to this question are summarized on Table C-1 and pertinent responses are summarized below.

- 38.4% (33 of 86 people) said interpretive/educational information is acceptable. Nine people (10.5%) said it is not acceptable. Twenty-three people (26.7%) said it is not applicable.
- 41.6% (37 of 89 people) said recreation visitor information is acceptable. Ten people (11.2%) said it is not acceptable. Thirteen people (14.6%) said it is not applicable.
- 55.2% (48 of 87 people) said safety/warning information is acceptable. Six people (6.9%) said it is not acceptable. Eight people (9.2%) said it is not applicable.
- 45.2% (38 of 84 people) said reservoir water surface elevation information is acceptable. Eleven people (13.1%) said it is not acceptable. Eleven people (13.1%) said it is not applicable.
- 32.1% (26 of 81 people) said river/stream flow information is acceptable. Nine people (11.1%) said it is not acceptable. Fifteen people (18.5%) said it is not applicable.

Overall Recreation Experience

Survey respondents were asked to rate their overall recreation experience using a satisfaction scale.

- 92.3% (84 of 91 people) said they were either very satisfied (52.7%) or satisfied (39.6%) with their overall recreation experience.

Additional Recreation Facilities, Amenities or Opportunities

Survey respondents were asked if there are any additional recreation facilities, amenities, or opportunities that would improve their recreation experience. A total of 69 people answered this question.

- Most people (69.6%) said “no.”
- Twenty-one people (30.4%) said “yes.” Of these, eighteen people provided one or more comments that fall into the following categories: restrooms (6); roads (5); more developments (4); showers (3); boat ramp access (1); campfires (1); cost/fees (1); and longer season (1).

First Choice Campground

Respondents were asked if they were able to camp at their first choice campground, and if not, they were asked to specify their first choice. A total of 93 people answered this question.

- 96.8% (90 of 93 people) said “yes.”
- 3.2% (3 of 93 people) said “no.”

Two respondents who answered “no” provided a comment explaining their answer: “Hell Hole Campground” and “wanted a double space.”

Method of Camping

Respondents were asked what method they used to camp. A total of 92 people answered this question, with the following results:

- Tent – 82.6% (76 people)
- Recreational vehicle less than 25 feet – 6.5% (6 people)
- Recreational vehicle 25-35 feet – 5.4% (5 people)

All other responses were less than 3% and are summarized on Table C-2.

Campground Factors

Survey respondents were asked to rate various factors concerning the campground they stayed in. The responses to this question are summarized on Table C-2 and pertinent responses are summarized below.

- 96.8% (90 of 93 people) said campsite availability is acceptable.
- 90.0% (81 of 90 people) said campsite condition is acceptable.
- 94.5% (86 of 91 people) said campsite cleanliness is acceptable. One person (1.1%) said it is not acceptable.
- 84.1% (69 of 82 people) said adequacy of campsite screening is acceptable. Three people (3.7%) said it is not acceptable.
- 89.9% (80 of 89 people) said adequacy of campsite shading is acceptable.
- 62.2% (56 of 90 people) said restroom condition is acceptable. Ten people (11.1%) said it is not acceptable.
- 71.9% (64 of 89 people) said restroom cleanliness is acceptable. Six people (6.7%) said it is not acceptable.
- 77.3% (68 of 88 people) said drinking water availability is acceptable. Three people (3.4%) said it is not acceptable.
- 82.2% (74 of 90 people) said trash disposal is acceptable. One person (1.1%) said it is not acceptable.
- 87.9% (80 of 91 people) said parking availability is acceptable. One person (1.1%) said it is not acceptable.

- 86.4% (76 of 88 people) said parking area condition is acceptable. One person (1.1%) said it is not acceptable.
- 69.8% (60 of 86 people) said adequacy of food storage lockers is acceptable. Eight people (9.3%) said it is not acceptable.
- 78.6% (66 of 84 people) said condition of food storage lockers is acceptable. Six people (7.1%) said it is not acceptable.
- 78.8% (67 of 85 people) said parking spur size is acceptable. Two people (2.4%) said it is not acceptable.
- 49.4% (44 of 89 people) said road condition in campground is acceptable. Twenty-one people (23.6%) said it is not acceptable.
- 66.7% (58 of 87 people) said adequacy of road size in campground is acceptable. Six people (6.9%) said it is not acceptable.
- 80.9% (72 of 89 people) said cost of campground fee is acceptable. Three people (3.4%) said it is not acceptable.
- 68.0% (51 of 75 people) said adequacy of law enforcement personnel is acceptable. Seven people (9.3%) said it is not acceptable.

Adequacy of Services and Facilities

Survey respondents were asked if the services and/or facilities at the campground were adequate for any physically impaired person in their party. A total of 85 people answered this question. People who answered “no” were asked to explain their answer.

- The majority of respondents (57.6%) said that the question was not applicable.
- Thirty people (35.3%) said “yes.”
- Six respondents (7.1%) said “no”, but did not explain their answers.

Recreation Experience Affected by Other Factors

Survey respondents were asked if their recreation experience was negatively affected by crowding or other activities taking place. People who answered “yes” were asked to explain their answer.

- 100.0% of the respondents (89 people) said that they were not affected by crowding.
- 100.0% of the respondents (80 people) said that they were not affected by other activities taking place.

Overall Recreation Experience at Campground

Survey respondents were asked to rate their overall recreation experience at the specified campground using a satisfaction scale.

- 96.6% (87 of 90 people) said they were either very satisfied (54.4%) or satisfied (42.2%) with their overall recreation experience at Big Meadows Campground.

6.1.2 Hell Hole Campground

Hell Hole Campground is accessible via Eleven Pines Road (FR 2), and located about 1.3 road miles northwest of Hell Hole Boat Ramp. The campground was originally constructed in 1967 as a picnic area and was later converted to a campground.

Hell Hole Campground currently includes 10 family-sized units. All of the units are walk-in tent units, with parking available in a central parking area. Trailers are not recommended due to limited parking space. None of the units are designated handicapped accessible. However, one site (Site 1) is designed to meet accessibility standards, and accessible features such as fire rings are available in some of the other sites. One vault toilet and one water faucet is available. In addition, bear-proof garbage bins are available. Bear-proof food storage lockers (bear boxes) are available in 7 of the 10 camp sites. The overall layout of Hell Hole Campground is shown on Map REC 1-5.

This facility is generally open between about May 15th and November 1st, depending upon weather conditions. Posts for a chain gate are located at the entrance to the campground but it is unclear whether these are used to prohibit access to the campground during the winter.

Existing Recreation Use

The USDA-FS does not collect reliable use data at this facility. Accordingly, PCWA conducted vehicle counts at this facility and used the data to estimate recreation use. The results are summarized below, organized by season. More detailed data for this facility, including weekend, weekday, and holiday use, is provided in Appendix B.

Estimated Recreation Use at Hell Hole Campground (in RVDs)

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 - Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
544.3	306.1	26.5	877

As indicated, use ranged from about 27 RVDs during the winter/spring season to 544 RVDs during the summer season. In general, recreation use at this site peaks during the summer and declines through the fall. Comparatively low use was observed during the winter/spring season, primarily because the area was closed due to snow nearly the entire winter/spring season. Hell Hole Campground was inaccessible for vehicle counts due to snow from December 1, 2007 through May 17, 2008.

User Characteristics

A total of 43 people who camped at Hell Hole Campground completed Section A-1 (Background Information) and Section A-2 (Camping at a Developed Facility) of the

REC 2 – Recreation Visitor Survey instrument. The results of these 43 people were tabulated for analysis and are summarized in Tables C-3 and C-4 of Appendix C, respectively, by survey question. Select results are discussed below.

Recreation Activities

Survey participants were asked to identify the activities they engaged in during their visit. Multiple responses were accepted. All 43 people who indicated that they camped at Hell Hole Campground answered this question, with the following results:

- Camping at a developed site – 100% (43 people)
- Reservoir recreation – 37.2% (16 people)
- Fishing – 25.6% (11 people)

All other responses were less than 10% and are summarized on Table C-3.

Vehicle Type

Survey participants were asked to identify the type of vehicle they used to drive to the area. A total of 43 people answered this question. The majority of people (86.0%) identified “car/SUV/Truck.” Five people (11.6%) identified “camper/RV” and one person identified a van.

Number of People in Vehicle

Survey participants were asked how many people were in their vehicle. A total of 43 people answered this question. The average number of people per vehicle was 3.0, with a standard deviation of 2.6.

Group Age Categories

Survey participants were asked how many people in their group were under 18 or over 18. All 43 people provided sufficient information to analyze. Based on the information provided, 96.1% of the people in each group were 18 or over and 3.9% were under 18.

Residence/Area of Origin

Survey participants were asked to identify their place of residence by zip code. A total of 42 people answered this question. The majority of respondents reside in the following four counties. All other responses were <8% and are summarized on Table C-3.

- Sacramento County – 19.0%
- Placer County – 14.3%
- Yolo County – 14.3%
- Contra Costa County – 9.5%

Respondent's Age

Survey participants were asked the year they were born. A total of 42 people answered this question. The responses to this question were used to determine the average age of the survey participants, which was 38.4, with a standard deviation of 14.5.

Ethnicity

Survey respondents were asked to identify the cultural or ethnic group they most closely identify with. All 43 respondents answered this question, with the following results. The majority (88.4%) of respondents were White/Caucasian. Other responses included: Hispanic or Latino (4.7%), Asian (2.3%), Native Hawaiian or Pacific Islander (2.3%), and other/multiracial (2.3%).

Primary Language

Survey participants were asked to identify their primary spoken language. A total of 41 people answered this question. The majority of respondents (97.6%) identified English as their primary spoken language, and one person (2.4%) identified Russian as their primary spoken language.

Reasons for Visiting the Area

Survey participants were asked to identify the main reason they chose to visit the area. After excluding invalid responses, a total of 30 responses were analyzed, with the following results.

- The most frequent responses were “scenic quality of the area” (30.0%), “recreational activities/opportunities in the area” (23.3%), and “lack of crowding” (20.0%).
- Other responses included: “close to home” and “other” (both 10.0%), and “access to lake/reservoir” and “cost of facility access fee” (both 3.3%).

Survey participants were also asked to specify any number of secondary reasons for visiting the area. A total of 30 people properly answered this question. Multiple responses were accepted.

- The most frequent response was “lack of crowding” (46.7%).
- Other responses included: “access to lake/reservoir” (43.3%), “recreational activities/opportunities in the area” (23.3%), “close to home” (20.0%), “scenic quality of the area” (20.0%), “access to river/stream” (13.3%), “cost of facility access fee” (3.3%), and “other” (6.7%).

Primary and Secondary Activities

Survey participants were asked to identify the activities they engaged in, or expected to engage in, during their trip. They were instructed to check one main activity and one or more secondary activities. The primary and secondary activities identified by the survey respondents are tabulated on Table C-3 and summarized below.

- A total of 27 people identified one main activity. The most frequent response was “camping in developed sites” (55.6%) followed by “reservoir fishing” (18.5%).
- A total of 27 people identified one or more secondary activities. The most frequent responses were “hiking/walking” and “relaxing” (both 44.4%).

Number of Nights Camping

Respondents were asked how many nights they would be camping during their visit. All 43 people answered this question. The responses to this question were used to determine the average number of nights that respondents camped, which was 2.3, with a standard deviation of 1.0.

Facility Assessment

An inventory of the amenities and features associated with Hell Hole Campground, including a condition assessment, was conducted on August 21, 2008, in consultation with an ENF Landscape Architect. In addition, a detailed survey of the access road was conducted on September 29, 2008. The facility inventory is included in Appendix E-1 and photographs of select facility features are included in Appendix E-2. The detailed road survey results are provided in Tables REC 1-11 and REC 1-12. A brief overview of facility elements is provided in the following subsections.

Entrance Road and Parking Area

The entrance to Hell Hole Vista is located on the east side of FR 2. The Hell Hole Campground access road (14N37) is about 12 feet wide (single lane) and about 317 feet long from FR-2 to the parking area. Overall, the road surface is in fair condition. The pavement is deteriorated to the aggregate base near the entrance and potholes are present along the road, particularly along the edge and near a small turnout (3-4 vehicles) located on the northwest side of the road. A native-surface drainage ditch is located along the northwest boundary of the road.

The parking area is an elongated rectangle, roughly 120 long by 35 feet wide (approximately 4,200 square feet). The parking area can accommodate about 12 vehicles. Trailers are not recommended due to limited parking and turning area. The parking is generally in good condition, with the exception of potholes around the margins.

Fee Station and Entrance Area

The campground is located on the southeast side of the parking area. The facilities and all of the individual sites are walk-in only. A fee station, bathroom, and water faucet are located immediately adjacent to the parking area. The fee station consists of a painted green, steel fee tube and four large information boards constructed of painted MDO plywood on painted wood posts. The information boards are in good condition and cover the following topics: Fee Area, Fee Procedure, Regulations, and No Campfires. A large information board is also present near the fee station, also in good condition.

Two double-bin, bear-proof, garbage containers are located to the northwest of the fee station. Both are constructed of painted steel set on concrete pads and are in good condition.

A water faucet with potable water is located just north of the fee station. The water faucet is accessible, but sediment has accumulated in the sump, and poor drainage around the faucet is eroding the access to the water faucet. A second faucet is located in the campground but was not operational during the August 21, 2008 site visit. Water is supplied to this campground from the Big Meadows water supply. According to the Forest Service, the water distribution pipes sometimes break and water quality samples have sometimes not met standards.

The water faucet is located near a single-unit, vault CXT. The bathroom is in good condition and accessible. However, poor drainage between the fee station and the bathroom is eroding the access path. Accordingly, the access to the bathroom is not accessible due to level changes.

Campsites

The campground consists of 10 family-sized campsites. All of the campsites are walk-in sites. Three of the sites (Sites 1, 2, and 3) are connected to the parking area by an accessible pathway. The trail surface is constructed of ¾-inch crushed rock, which is not compacted, and therefore too soft for wheelchair access. Site 1 is a fully accessible site but is not identified as such. Site 2 does not meet accessibility standards due to level changes and obstacles, and does not have an accessible table. In addition, several hazard trees are present in Site 2. Site 3 is accessible, but does not have an accessible table. All three sites have bear-proof food storage lockers and handicap accessible fire rings. The bear boxes are in good condition. The fire rings are in good condition, but rusted.

The remaining 7 sites are located in more densely forested areas of the campground on bedrock outcrops overlooking Hell Hole Reservoir. All of these sites have heavy wood picnic tables, none of which are accessible. The paint is flaking on some of the tables, but otherwise they are in good condition. Four of the sites have bear boxes, all in good condition. All but one of the sites has a handicapped accessible fire ring. All are in good condition, but rusted. One fire ring, located at site 7, is sitting on top of rocks and needs to be reset.

User Opinions Regarding Hell Hole Campground

A total of 43 people who camped at Hell Hole Campground completed Section A-1 (Background Information) and Section A-2 (Camping at a Developed Facility) of the REC 2 – Recreation Visitor Survey instrument. The results of these 43 people were tabulated for analysis and are summarized on Tables C-3 and C-4, respectively, by survey question. Select results are discussed below.

Importance of Facilities and Amenities

Survey participants were asked to rate the importance of various facilities and amenities when choosing the area to recreate. The responses to this question are summarized on Table C-3 and pertinent responses are summarized below.

- 55.8% (24 of 43 people) said developed campsites are very important (16.3%) or

important (39.5%). Eight people (18.6%) said developed campsites are somewhat important and 11 people (25.6%) said that developed campsites are not important.

- 28.5% (12 of 42 people) said flush restrooms are very important (19.0%) or important (9.5%). Fourteen people (33.3%) said that flush restrooms are somewhat important and 16 people (38.1%) said they are not important.
- 60.4% (26 of 43 people) said drinking water is very important (30.2%) or important (30.2%). Nine people (20.9%) said drinking water is somewhat important. Eight people (18.6%) said that drinking water is not important.
- 7.2% (3 of 42 people) said RV dump stations are very important (4.8%) or important (2.4%). Eight people (19.0%) said that RV dump stations are somewhat important and the majority of people (73.8%) said RV dump stations are not important.
- 59.5% (25 of 42 people) said fishing trail access is very important (33.3%) or important (26.2%). Nine people (21.4%) said fishing trail access is somewhat important and eight people (19.0%) said it is not important.
- 30.0% (12 of 40 people) said that interpretative/educational exhibits/information is very important (15.0%) or important (15.0%). Ten people (25.0%) said interpretative/educational exhibits/information is somewhat important and 18 people (45.0%) said is not important.

Information Resources

Survey participants were asked to rate the availability and adequacy of various information resources. The responses to this question are summarized on Table C-3 and pertinent responses are summarized below.

- 23.1% (9 of 39 people) said interpretive/educational information is acceptable. Eight people (20.5%) said it is not acceptable. Nine people (23.1%) said it is not applicable.
- 33.3% (13 of 39 people) said recreation visitor information is acceptable. Ten people (25.6%) said it is not acceptable. Seven people (17.9%) said it is not applicable.
- 51.4% (19 of 37 people) said safety/warning information is acceptable. Four people (10.8%) said it is not acceptable. Six people (16.2%) said it is not applicable.
- 34.2% (13 of 38 people) said reservoir water surface elevation information is acceptable. Four people (10.5%) said it is not acceptable. Eleven people (28.9%) said it is not applicable.
- 26.3% (10 of 38 people) said river/stream flow information is acceptable. Five people (13.2%) said it is not acceptable. Twelve people (31.6%) said it is not applicable.

Overall Recreation Experience

Survey respondents were asked to rate their overall recreation experience using a satisfaction scale.

- 97.6% (41 of 42 people) said they were either very satisfied (45.2%) or satisfied (52.4%) with their overall recreation experience.

Additional Recreation Facilities, Amenities or Opportunities

Survey respondents were asked if there are any additional recreation facilities, amenities, or opportunities that would improve their recreation experience. A total of 35 people answered this question.

- Most people (65.7%) said “no.”
- Twelve people (34.3%) said “yes.” Eleven people provided one or more comments that fall into the following categories: restrooms (4); roads (3); better access (2); more information (2); campsite issues (1); and cost/fees (1).

First Choice Campground

Respondents were asked if they were able to camp at their first choice campground, and if not, they were asked to specify their first choice. All 43 people answered this question.

- 97.7% (42 of 43 people) said “yes.”
- 2.3% (1 of 43 people) said “no”, but did not specify their first choice campground.

Method of Camping

Respondents were asked what method they used to camp. All 43 people answered this question, with the following results:

- Tent – 81.4% (35 people)
- Recreational vehicle 25-35 feet – 7.0% (3 people)
- Multiple methods – 4.7% (2 people)

All other responses were less than 3% and are summarized on Table C-4.

Campground Factors

Survey respondents were asked to rate various factors concerning the campground that they stayed in. The responses to this question are summarized on Table C-4 and pertinent responses are summarized below.

- 97.7% (42 of 43 people) said campsite availability is acceptable.
- 83.7% (36 of 43 people) said campsite condition is acceptable. One person (2.3%) said it is not acceptable.
- 88.1% (37 of 42 people) said campsite cleanliness is acceptable. One person (2.4%) said it is not acceptable.

- 73.8% (31 of 42 people) said adequacy of campsite screening is acceptable. Two people (4.8%) said it is not acceptable.
- 85.7% (36 of 42 people) said adequacy of campsite shading is acceptable.
- 53.7% (22 of 41 people) said restroom condition is acceptable. Three people (7.3%) said it is not acceptable.
- 58.1% (25 of 43 people) said restroom cleanliness is acceptable. Four people (9.3%) said it is not acceptable.
- 66.7% (28 of 42 people) said drinking water availability is acceptable. Five people (11.9%) said it is not acceptable.
- 92.9% (39 of 42 people) said trash disposal is acceptable. One person (2.4%) said it is not acceptable.
- 95.3% (41 of 43 people) said parking availability is acceptable.
- 95.3% (41 of 43 people) said parking area condition is acceptable.
- 79.1% (34 of 43 people) said adequacy of food storage lockers is acceptable. Two people (4.7%) said it is not acceptable.
- 88.4% (38 of 43 people) said condition of food storage lockers is acceptable. One person (2.3%) said it is not acceptable.
- 78.6% (33 of 42 people) said parking spur size is acceptable. Two people (4.8%) said it is not acceptable.
- 66.7% (28 of 42 people) said road condition in campground is acceptable. Four people (9.5%) said it is not acceptable.
- 73.8% (31 of 42 people) said adequacy of road size in campground is acceptable. One person (2.4%) said it is not acceptable.
- 73.8% (31 of 42 people) said cost of campground fee is acceptable. Two people (4.8%) said it is not acceptable.
- 58.1% (25 of 43 people) said adequacy of law enforcement personnel is acceptable. Five people (11.6%) said it is not acceptable.

Adequacy of Services and Facilities

Survey respondents were asked if the services and/or facilities at the campground were adequate for any physically impaired person in their party. A total of 42 people answered this question. People who answered “no” were asked to explain their answer.

- The majority of respondents (61.9%) said that the question was not applicable.
- Thirteen people (31.0%) said “yes.”
- Three respondents (7.1%) said “no”, but did not explain their answers.

Recreation Experience Affected by Other Factors

Survey respondents were asked if their recreation experience was negatively affected by crowding or other activities taking place. People who answered “yes” were asked to explain their answer.

- 97.7% of the respondents (42 of 43 people) said that they were not affected by crowding.
- 97.2% of the respondents (35 of 36 people) said that they were not affected by other activities taking place.
- Neither respondent who answered “yes” explained their answer.

Overall Recreation Experience at Campground

Survey respondents were asked to rate their overall recreation experience at the specified campground using a satisfaction scale.

- 97.7% (42 of 43 people) said they were either very satisfied (60.5%) or satisfied (37.2%) with their overall recreation experience at Hell Hole Campground.

6.1.3 Upper Hell Hole Campground

Upper Hell Hole Campground is located on the southeast shore of Hell Hole Reservoir, about four miles from Hell Hole Boat Ramp (Map REC 1-1). The campground was constructed in 1967. The campground includes 13 sites. The campground is accessible by boat or by a four-mile long trail (14E02.3). Potable water is not available and none of the sites are considered disabled accessible. Two sets of pit toilets are available. The site is operated and maintained by the ENF in part with funds provided by PCWA.

The overall layout of Upper Hell Hole Campground is shown on Map REC 1-6. As indicated, the campground is generally spread across three levels created by the natural topography of the site. None of the campsites at Upper Hell Hole Campground are contiguous to the reservoir. Therefore, boat-in campers must tie their boats up at the shoreline and carry their gear to an open camp site. At maximum WSE, the closest campsites (Sites 1 and 3 on Map REC 1-6) are about 70 feet from the shoreline. The climb from the reservoir to the campground becomes longer and steeper as water levels recede.

This campground is generally accessible from about May 15th through November 1st, depending upon snow conditions. However, as water levels recede, boat access becomes more difficult. Boat access is typically possible during the entire recreation season during most water years. However, during dry and critically dry water years, Upper Hell Hole Campground may not be accessible by boat after about mid-August due to low water levels. The campground can still be accessed by trail.

Existing Recreation Use

The USDA-FS does not collect reliable use data at this site. Therefore, PCWA estimated use using a combination of vehicle count data and visitor survey data, as explained in the following.

This site is not accessible by car. Visitors who camp at this site would park at the Hell Hole General Parking Area or the Hell Hole Boat Ramp Parking Areas, or is the DCUA located near between these areas and the Hell Hole Dam. PCWA conducted vehicle counts in all of these areas, and at the Hell Hole Boat Ramp. PCWA also conducted visitor surveys in these areas. The survey data indicates that about 5% of the people intercepted in these areas camped at Upper Hell Hole Campground. Therefore, 5% of the vehicle count data collected in these areas was attributed to Upper Hell Hole Campground users, with conversions to account for numbers of people per group and overnight stays.

PCWA's recreation use results are summarized below, organized by season. More detailed data for this site, including weekend, weekday, and holiday use, is provided in Appendix B.

Estimated Recreation Use at Upper Hell Hole Campground (in RVDs)

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 - Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
224.2	32.3	22.5	279

As indicated, PCWA estimated total recreation use to be 279 RVDs. This result is consistent with information contained in the ENFs 1999 Site Action Plan, which states: "Site receives very little recreation use. Average use is around 275 visitor days per year." Based on a Forest Service document, visitor days are equivalent to RVDs (J. McGuire 1977).

Comparatively low use was observed during the fall and winter/spring season, primarily because the area was closed due to snow for some of the fall season, all of winter, and most of the spring season. The parking areas at Hell Hole Boat Ramp were inaccessible for vehicle counts due to snow from December 1, 2007 through May 17, 2008.

User Characteristics

A total of 18 people who camped at Upper Hell Hole Campground completed Section A-1 (Background Information) and Section A-2 (Camping at a Developed Facility) of the REC 2 – Recreation Visitor Survey instrument. The results of these 18 people were tabulated for analysis and are summarized in Tables C-5 and C-6 of Appendix C, respectively, by survey question. Select results are discussed below.

Recreation Activities

Survey participants were asked to identify the activities they engaged in during their visit. Multiple responses were accepted. All 18 people intercepted at Upper Hell Hole Campground answered this question, with the following results:

- Camping at a developed site – 100% (18 people)
- Fishing – 55.6% (10 people)
- Reservoir recreation – 16.7% (3 people)

All other responses were less than 12% and are summarized on Table C-5.

Vehicle Type

Survey participants were asked to identify the type of vehicle they used to drive to the area. All 18 people answered this question. The majority of people (88.9%) identified “car/SUV/Truck.” Two people (11.6%) identified “other.”

Number of People in Vehicle

Survey participants were asked how many people were in their vehicle. All 18 people answered this question. The average number of people per vehicle was 2.5, with a standard deviation of 1.4.

Group Age Categories

Survey participants were asked how many people in their group were under 18 or over 18. All 18 people provided sufficient information to analyze. Based on the information provided, 60.2% of the people in each group were 18 or over and 39.8% were under 18.

Residence/Area of Origin

Survey participants were asked to identify their place of residence by zip code. All 18 people answered this question. The majority of respondents reside in the following five counties. All other responses were <6% and are summarized on Table C-5.

- Alameda County – 38.9%
- Sacramento County – 16.7%
- Placer County – 11.1%
- San Mateo County – 11.1%
- Santa Clara County – 11.1%

Respondent's Age

Survey participants were asked the year they were born. All 18 people answered this question. The responses to this question were used to determine the average age of the survey participants, which was 46.1, with a standard deviation of 7.2.

Ethnicity

Survey respondents were asked to identify the cultural or ethnic group they most closely identify with. All 18 respondents answered this question, with the following results. The majority (94.4%) of respondents were White/Caucasian. One person (5.6%) identified themselves as other/multiracial.

Primary Language

Survey participants were asked to identify their primary spoken language. A total of 16 people answered this question. All of the respondents identified English as their primary spoken language.

Reasons for Visiting the Area

Survey participants were asked to identify the main reason they chose to visit the area. After excluding invalid responses, a total of 14 responses were analyzed, with the following results.

- The most frequent response was “scenic quality of the area” (50.0%).
- Other responses included: “lack of crowding” (35.7%) and “other” (14.3%).

Survey participants were also asked to specify any number of secondary reasons for visiting the area. A total of 14 people properly answered this question. Multiple responses were accepted.

- The most frequent response was “scenic quality of the area” (42.9%).
- Other responses included, in order of response rate: “access to lake/reservoir”, “lack of crowding”, and “recreational activities/opportunities in the area” (all 35.7%), “access to river/stream” (21.4%), and “close to home” and “cost of facility access fee” (both 14.3%).

Primary and Secondary Activities

Survey participants were asked to identify the activities they engaged in, or expected to engage in, during their trip. They were instructed to check one main activity and one or more secondary activities. The primary and secondary activities identified by the survey respondents are tabulated on Table C-5 and summarized below.

- A total of 14 people identified one main activity. The most frequent responses were “camping in developed sites” and “reservoir fishing” (both 28.6%).
- A total of 14 people identified one or more secondary activities. The most frequent responses were “reservoir fishing” and “viewing wildlife, scenery photography, etc.” (both 50.0%).

Number of Nights Camping

Respondents were asked how many nights they would be camping during their visit. A total of 17 people answered this question. The responses to this question were used to

determine the average number of nights that respondents camped, which was 3.0, with a standard deviation of 1.1.

Facility Assessment

An inventory of the amenities and features associated with Upper Hell Hole Campground, including a condition assessment, was conducted on August 4, 2008, in consultation with an ENF Landscape Architect. The inventory is provided in Appendix F-1 and photographs of the select features are provided in Appendix F-2. A brief overview of the facility elements is provided in the following.

Campsites

According to the Forest Services' 1999 Site Action Plan, Upper Hell Hole Campground includes 15 sites. However, only 13 sites were found during the August 4, 2008 site visit. None of the sites are disabled accessible. According to the Forest Service's 1999 Action Plan, "major landscape modifications would be required to make even a portion of the site accessible at a difficult level of access without altering the landscape character and experience level of the site."

The 13 individual campsites are spread across three topographic levels. In general, the lower sites offer views of the reservoir and are easier to access from the reservoir. However, accessing the campground from the reservoir involves climbing a relatively steep shoreline, even at maximum water surface elevation. Movement between campground levels involves climbing rock steps between levels. Some of the upper sites are overgrown with vegetation indicating they receive very little use. One site, Site 13, is so overgrown with vegetation that the picnic table is hardly visible.

Each camp site includes one heavy wood picnic table and a masonry/steel stove. The picnic tables are generally in fair condition, meaning they are functional but are in need of paint. None of the tables are disabled accessible. The masonry stoves are outdated and most appear to be broken. Two of the sites have new accessible steel fire rings with grills, both in good condition. Most sites have user-created (e.g., not Forest Service) rock fire rings, indicating demand for fire rings.

Campground Amenities

The campground includes two sets of bathrooms at two separate locations in the campground. Each set includes one building designated for males and one building designated for females. The toilet buildings are generally outdated and in poor condition. They do not meet current Forest Service standards. In addition, they do not meet accessibility standards due to their narrow width and high step from the ground surface to the building.

User Opinions Regarding Upper Hell Hole Campground

A total of 18 people who camped at Upper Hell Hole Campground completed Section A-1 (Background Information) and Section A-2 (Camping at a Developed Facility) of the

REC 2 – Recreation Visitor Survey instrument. The results of these 18 people were tabulated for analysis and are summarized on Tables C-5 and C-6, respectively, by survey question. Select results are discussed below.

Importance of Facilities and Amenities

Survey participants were asked to rate the importance of various facilities and amenities when choosing the area to recreate. The responses to this question are summarized on Table C-5 and pertinent responses are summarized below.

- 33.3% (6 of 18 people) said developed campsites are very important (11.1%) or important (22.2%). Six people (33.3%) said developed campsites are somewhat important and six people (33.3%) said that developed campsites are not important.
- 23.6% (4 of 17 people) said flush restrooms are very important (11.8%) or important (11.8%). One person (5.9%) said that flush restrooms are somewhat important and the majority of people (70.6%) said they are not important.
- 23.6% (4 of 17 people) said drinking water is very important (17.6%) or important (5.9%). Two people (11.8%) said drinking water is somewhat important. Eleven people (64.7%) said that drinking water is not important.
- 5.9% (1 of 17 people) said RV dump stations are important. Two people (11.8%) said that RV dump stations are somewhat important and the majority of people (82.4%) said RV dump stations are not important.
- 44.4% (8 of 18 people) said fishing trail access is very important (22.2%) or important (22.2%). Five people (27.8%) said fishing trail access is somewhat important and five people (27.8%) said it is not important.
- 11.8% (2 of 17 people) said that interpretative/educational exhibits/information is important. Four people (23.5%) said interpretative/educational exhibits/information is somewhat important and 11 people (64.7%) said is not important.

Information Resources

Survey participants were asked to rate the availability and adequacy of various information resources. The responses to this question are summarized on Table C-5 and pertinent responses are summarized below.

- 46.7% (7 of 15 people) said interpretive/educational information is acceptable. Five people (33.3%) said it is not applicable.
- 57.1% (8 of 14 people) said recreation visitor information is acceptable. Two people (14.3%) said it is not applicable.
- 66.7% (10 of 15 people) said safety/warning information is acceptable. One person (6.7%) said it is not acceptable. One person (6.7%) said it is not applicable.

- 60.0% (9 of 15 people) said reservoir water surface elevation information is acceptable. Two people (13.3%) said it is not acceptable. One person (6.7%) said it is not applicable.
- 33.3% (4 of 12 people) said river/stream flow information is acceptable. Three people (25.0%) said it is not acceptable. Two people (16.7%) said it is not applicable.

Overall Recreation Experience

Survey respondents were asked to rate their overall recreation experience using a satisfaction scale.

- 100% (18 people) said they were either very satisfied (66.7%) or satisfied (33.3%) with their overall recreation experience.

Additional Recreation Facilities, Amenities or Opportunities

Survey respondents were asked if there are any additional recreation facilities, amenities, or opportunities that would improve their recreation experience. A total of 14 people answered this question.

- Most people (78.6%) said “no.”
- Three people (21.4%) said “yes.” All three people provided comments that fall into the following categories: restrooms (2) and better access (1).

First Choice Campground

Respondents were asked if they were able to camp at their first choice campground, and if not, they were asked to specify their first choice. A total of 17 people answered this question and all indicated that they were able to camp at their first choice campground.

Method of Camping

Respondents were asked what method they used to camp. All 18 people answered this question, with the following results:

- Tent – 83.3% (15 people)
- Multiple methods – 5.6% (1 person)
- Other – 11.1% (2 people)

Campground Factors

Survey respondents were asked to rate various factors concerning the campground that they stayed in. The responses to this question are summarized on Table C-6 and pertinent responses are summarized below.

- 94.2% (16 of 17 people) said campsite availability is acceptable.
- 82.4% (14 of 17 people) said campsite condition is acceptable.

- 87.5% (14 of 16 people) said campsite cleanliness is acceptable. One person (6.2%) said it is not acceptable.
- 81.8% (9 of 11 people) said adequacy of campsite screening is acceptable. One person (9.1%) said it is not acceptable.
- 87.5% (14 of 16 people) said adequacy of campsite shading is acceptable.
- 46.7% (7 of 15 people) said restroom condition is acceptable. Two people (13.3%) said it is not acceptable.
- 46.7% (7 of 15 people) said restroom cleanliness is acceptable. Two people (13.3%) said it is not acceptable.
- 38.5% (5 of 13 people) said drinking water availability is acceptable. Five people (38.5%) said it is not acceptable.
- 53.3% (8 of 15 people) said trash disposal is acceptable. Five people (33.3%) said it is not acceptable.
- 86.7% (13 of 15 people) said parking availability is acceptable.
- 88.2% (15 of 17 people) said parking area condition is acceptable.
- 36.4% (4 of 11 people) said adequacy of food storage lockers is acceptable. Four people (36.4%) said it is not acceptable.
- 44.4% (4 of 9 people) said condition of food storage lockers is acceptable. Three people (33.3%) said it is not acceptable.
- 66.7% (8 of 12 people) said parking spur size is acceptable. One person (8.3%) said it is not acceptable.
- 76.9% (10 of 13 people) said road condition in campground is acceptable. One person (7.7%) said it is not acceptable.
- 76.9% (10 of 13 people) said adequacy of road size in campground is acceptable. One person (7.7%) said it is not acceptable.
- 92.9% (13 of 14 people) said cost of campground fee is acceptable.
- 75.0% (9 of 12 people) said adequacy of law enforcement personnel is acceptable. One person (8.3%) said it is not acceptable.

Adequate Services and Facilities

Survey respondents were asked if the services and/or facilities at the campground were adequate for any physically impaired person in their party. A total of 14 people answered this question. People who answered “no” were asked to explain their answer.

- The majority of respondents (64.3%) said that the question was not applicable.
- Two people (14.3%) said “yes.”
- Three respondents (21.4%) said “no”, and two explained their answers. One said “outhouse lid hinges are broken making it difficult to use properly” and one said “hike in only.”

Recreation Experience Affected by Other Factors

Survey respondents were asked if their recreation experience was negatively affected by crowding or other activities taking place. People who answered “yes” were asked to explain their answer.

- 93.8% of the respondents (15 of 16 people) said that they were not affected by crowding.
- 93.8% of the respondents (15 of 16 people) said that they were not affected by other activities taking place.
- The respondent that was negatively affected by other activities taking place explained their answer as follows: “illegal camping and campfires by others, no enforcement.”

Overall Recreation Experience at Campground

Survey respondents were asked to rate their overall recreation experience at the specified campground using a satisfaction scale.

- 94.2% (16 of 17 people) said they were either very satisfied (82.4%) or satisfied (11.8%) with their overall recreation experience at Upper Hell Hole Campground.

6.1.4 Hell Hole Vista

Hell Hole Vista is located northwest of Hell Hole Reservoir and overlooks Hell Hole Reservoir (Map REC 1-1). The vista is located along Eleven Pines Road (FR 2), about 1.7 road miles from the Hell Hole Boat Ramp. The vista area consists of a parking area, a trail, and a vista point enclosed in a masonry wall. The parking area is separated from the trail and vista by FR-2. Amenities at this site include: a single-unit, accessible CXT, a double-bin bear-proof garbage bin, a picnic table, and signage. Potable water is not available.

The vista was originally constructed in 1967 but has since been upgraded. For example, the trail (including the masonry stairs) was upgraded in 2007 and an interpretative sign was installed in the vista area in May 2009. The vista is operated and maintained by the Forest Service in part with funds provided by PCWA.

Existing Recreation Use

The USDA-FS does not collect recreation use data at this Hell Hole Vista. Therefore, recreation use was estimated using vehicle count data collected by PCWA. The results are summarized below, organized by season. More detailed data for this site, including weekends, weekday, and holiday use, is provided in Appendix B.

**Estimated Recreation Use at Hell Hole Vista
(in RVDs)**

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 - Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
48.2	0	0	48.2

As indicated, PCWA estimated total recreation use to be about 48 RVDs. Information contained in the ENFs 1999 Site Action Plan states: “Recreation use is approximately 50 visitors per season.” It is unclear what type of units the ENF data is reported in but in either case the data show that use of Hell Hole Vista is relatively low. No use was observed by PCWA during either the fall or winter/spring periods. No use was observed during the fall and winter/spring season, primarily because the area was closed due to snow for some of the fall season, all of winter, and most of the spring season. Hell Hole Vista was inaccessible for vehicle counts due to snow from December 1, 2007 through May 17, 2008.

User Characteristics

The REC 2 – Recreation Visitor Surveys were not administered at Hell Hole Vista due to very low use levels. In addition, none of the survey respondents encountered at any of the survey sites reported using Hell Hole Vista. Therefore, the characteristics of the people who may use this site are unknown.

Facility Assessment

An inventory of the amenities and features associated with Hell Hole Vista, including a condition assessment, was conducted on August 20, 2008, in consultation with the ENF Landscape Architect. The inventory is provided in Appendix G-1 and photographs of the primary features are provided in Appendix G-2. A brief overview of the facility elements is provided in the following.

Parking Area

The parking area is located on the west side of FR-2 and covers about 5,000 square feet. The parking area is paved but the pavement has deteriorated to base rock in parts and several potholes are present. Therefore, the parking area is in poor condition. The parking area is not striped and does not include any designated handicapped parking stalls. In addition, the surface is not considered accessible due to level changes and obstacles (e.g., potholes).

A single-unit, accessible CXT is located southwest of the parking area. The CXT is relatively new and in good condition. However, the surface area surrounding the CXT is not well consolidated. A double-bin, bear-proof garbage container is located adjacent to the CXT.

Trail

An approximately 300 feet-long trail provides access from the parking area to the vista. The trail begins on the east side of FR-2 and traverses steep and rocky terrain. The trail is constructed of paved surfaces and masonry steps (32). Handrails are present adjacent to the sections of the trail with stairs. The trail, stairs, and handrails are in good condition but do not meet accessibility standards due primarily to excessive slope and the presence of stairs. According to the Forest Services 1999 Site Action Plan, "This site is not wheelchair accessible due to the rocky terrain and the steps constructed in the trail to the overlook. To make this site accessible at an easy to difficult access level would require major modifications to the site that would alter the landscape character and experience level."

One picnic table located along the trail. This table is in very poor condition. In addition, the area surrounding the table is not accessible due to obstacles and level changes.

Vista

The vista covers about 650 square feet and is surrounded by a 3.75 foot-high masonry wall, which is in good condition. The surface of the vista appears to have been paved or chip sealed but grasses are protruding through the pavement and overall the surface is in poor condition. The vista area is not accessible due to obstacles and level changes, and the presence of stairs.

In May 2009, PCWA collaborated with the Forest Service to install an interpretative sign at the Hell Hole Vista. The sign is titled "Fire and Ice" and provides educational information about the geologic history of the Rubicon River canyon and Hell Hole Reservoir. A photograph of the sign is provided in Appendix G-2.

User Opinions Regarding Hell Hole Vista

The REC 2 – Recreation Visitor Surveys were not administered at Hell Hole Vista due to very low use levels. In addition, none of the survey respondents encountered at any of the survey sites reported using Hell Hole Vista. Therefore, user opinions regarding Hell Hole Vista are unknown.

6.1.5 Hell Hole Boat Ramp and Associated Parking Areas

Hell Hole Boat Ramp is the only boat ramp at Hell Hole Reservoir. As shown on Map REC 1-1, Hell Hole Boat Ramp is located on the south west end of the reservoir, northwest of Hell Hole Dam. The ramp is accessible via Forest Route 2, which is also referred to as Eleven Pines Road and/or Forest Road 17N02.

The Hell Hole Boat Ramp area includes a boat ramp, a lower parking area referred to as the Hell Hole Boat Ramp Parking Area, and an upper parking area referred to as the Hell Hole General Parking Area. The general layout of the Hell Hole Boat Ramp and parking areas are shown on Map REC 1-8. Hell Hole Boat Ramp and the associated parking areas were originally constructed in 1965, improved in 1986 utilizing funding

from the California State Department of Boating and Waterways (DBOW), and rehabilitated in 2000. The boat ramp is operated and maintained by ENF in part with funds provided by PCWA.

Existing Recreation Use

The USDA-FS does not collect recreation use data at this site. Therefore, recreation use was estimated using vehicle count data collected by PCWA. The results are summarized below, organized by season. More detailed data for this site, including weekends, weekday, and holiday use, is provided in Appendix B.

Estimated Recreation Use at Hell Hole Boat Ramp and Associated Parking Areas (in RVDs)

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 - Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
2,241.1	323.1	225	2,789.2

As indicated, use ranged from an average of 225 RVDs during the winter/spring season to 2,241.1 RVDs during the summer season. In general, recreation use at this site peaks during the summer and declines through the fall when the area becomes inaccessible due to snow. The Hell Hole Boat Ramp area was inaccessible for vehicle counts due to snow from December 1, 2007 through May 17, 2008.

User Characteristics

Data collected through the REC 2 – Recreation Visitor Surveys was utilized to determine the demographics (e.g., the characteristics of the population) who use the Hell Hole Boat Ramp and associated parking areas, and their visitation patterns. A total of 101 people encountered at the Hell Hole Boat Ramp and associated parking areas completed Section A-1 (Background Information) of the survey form. The responses of these 101 people were tabulated for analysis and are summarized on Table C-7 of Appendix C, by survey question. Select results are discussed below.

Note that the REC 2 – Recreation Visitor Survey instrument also included a section with questions that were specifically designed to obtain information about day use at developed sites (Section A-3 – Day Use at Developed Sites). However, only eight people encountered at the Hell Hole Boat Ramp and associated parking areas completed this section. This is primarily because people encountered at Hell Hole Boat Ramp and associated parking areas did not identify “day use at a developed facility” as one of their primary activities. The Section A-3 survey results were not analyzed due to the low number of responses.

Recreation Activities

Survey participants were asked to identify the activities they engaged in during their visit. Multiple responses were accepted. All 101 people intercepted at the Hell Hole

Boat Ramp and associated parking areas answered this question, with the following results:

- Fishing – 70.3% (71 people)
- Reservoir recreation – 41.6% (42 people)
- Camping at a developed site – 26.7% (27 people)

All other responses were less than 13% and are summarized on Table C-7.

Vehicle Type

Survey participants were asked to identify the type of vehicle they used to drive to the area. A total of 98 people answered this question. The majority of people (88.8%) identified “car/SUV/Truck.” Seven people (7.1%) identified camper/RV, two people (2.0%) identified motorcycle, and two people identified “other.”

Number of People in Vehicle

Survey participants were asked how many people were in their vehicle. A total of 98 people answered this question. The average number of people per vehicle was 2.5, with a standard deviation of 1.2.

Group Age Categories

Survey participants were asked how many people in their group were under 18 or over 18. A total of 98 people provided sufficient information to analyze. Based on the information provided by these respondents, 81.9% of the people in each group were 18 or over and 18.1% were under 18.

Residence/Area of Origin

Survey participants were asked to identify their place of residence by zip code. A total of 94 people answered this question. The majority of respondents reside in the following three counties. All other responses were <7% and are summarized on Table C-7.

- Sacramento County – 28.7%
- El Dorado County – 23.4%
- Placer County – 23.4%

Respondent's Age

Survey participants were asked the year they were born. A total of 92 people answered this question. The responses to this question were used to determine the average age of the survey participants, which was 44.1, with a standard deviation of 13.9.

Ethnicity

Survey respondents were asked to identify the cultural or ethnic group they most closely identify with. A total of 99 people answered this question, with the following results. The majority (96.0%) of respondents were White/Caucasian. Other responses included: Hispanic or Latino (2.0%), American Indian or Native Alaskan (1.0%), and Asian (1.0%).

Primary Language

Survey participants were asked to identify their primary spoken language. A total of 85 people answered this question. All of the respondents (100%) identified English as their primary spoken language.

Reasons for Visiting the Area

Survey participants were asked to identify the main reason they chose to visit the area. After excluding invalid responses, a total of 74 responses were analyzed, with the following results.

- The most frequent response was “close to home” (24.3%), followed by “scenic quality of the area” (21.6%).
- Other responses included: “recreational activities/opportunities in the area” (17.6%), “access to lake/reservoir” and “lack of crowding” (both 12.2%), “access to river/stream” (1.4%), and “other” (10.8%).

Survey participants were also asked to specify any number of secondary reasons for visiting the area. A total of 76 people properly answered this question. Multiple responses were accepted.

- The most frequent response was “access to lake/reservoir” (34.2%).
- Other responses included, in order of frequency: “scenic quality of the area” (31.6%), “lack of crowding” (30.3%), “recreational activities/opportunities in the area” (26.3%), “close to home” (19.7%), “cost of facility access fee” (13.2%), “access to river/stream” (11.8%), and “other” (6.6%).

Primary and Secondary Activities

Survey participants were asked to identify the activities they engaged in, or expected to engage in, during their trip. They were instructed to check one main activity and one or more secondary activities. The primary and secondary activities identified by the survey respondents are tabulated on Table C-7 and summarized below.

- A total of 61 people identified one main activity. The most frequent response was “reservoir fishing” (59.0%) followed by “camping in developed sites” (14.8%).
- A total of 61 people identified one or more secondary activities. The most frequent responses were “reservoir swimming/water-play/sun bathing” (31.1%) and “hiking/walking” (27.9%).

Facility Assessment

An inventory of the amenities and features associated with the Hell Hole Boat Ramp and associated parking areas, including a condition assessment, was conducted on August 2, 2008, in consultation with an ENF landscape architect. The inventory is provided in Appendix H-1 and photographs of the primary features are provided in Appendix H-2. The Hell Hole Boat Ramp and associated parking areas are described separately in the following subsections.

Hell Hole Boat Ramp

Hell Hole Boat Ramp is approximately 1,000 feet long and about 25 feet wide. The top of the ramp is at an elevation of 4,638 feet, two feet above the top of the Hell Hole Dam spillway crest. The lower end of the ramp terminates at an elevation of 4,530 feet.

The boat ramp is constructed of concrete. The concrete is rilled (grooved) for traction. The ramp is generally “U” shaped and is widened in the apex of the U to provide a low water turn around area. A 470 – foot long masonry retaining wall lines the upslope side of the ramp to prevent falling rocks from damaging the ramp. Rip-rap protects the down slope side of the lower part of the boat ramp from being undermined by waves. The boat ramp was designed to be functional at a wide range of water levels.

Overall, the boat ramp is in good condition, mainly due to the 2000 rehabilitation effort, which consisted of: (1) extending the upper end of the boat ramp so that the elevation of the top of the boat ramp would be approximately the same height as the Hell Hole Dam spillway crest; (2) repairing the rock masonry retaining wall that lines the edge of the boat ramp; and (3) replacing a portion of the lower end of the boat ramp, which had been undermined. Some of the signage (e.g., “no parking” signs) is in fair to poor condition due to faded paint and bullet holes.

Hell Hole Boat Ramp Parking Area

The Hell Hole Boat Ramp Parking Area is located at the top of the Hell Boat Ramp, adjacent to the reservoir. This parking area includes two distinct sections: (1) a lower lot that can accommodate 3-4 vehicles; and (2) an upper lot that can accommodate 5 vehicles. These parking lots are intended for day use only. Overnight visitors are directed to use the Hell Hole General Parking Area.

Amenities at this site include: a single unit, pre-cast concrete toilet (CXT); two bear-proof garbage containers; and a picnic table and pedestal cooking grill. Potable water is not available.

- Overall, this parking area and associated amenities are in good condition. However, the asphalt chip seal is beginning to deteriorate and the parking stall striping has faded. There are no designated handicap parking stalls.
- The single-unit CXT was installed in 2000 and is in good condition, although the ceiling is sagging. The CXT is disabled accessible.
- The two bear-proof garbage containers are in good condition. However, they are not considered disabled accessible due to their handle design.
- The table is in good condition, but the table boards are warped and the paint is flaking. The table is not accessible due to its design. Small obstacles such as small rocks and brush may impede access.
- Some of the signage is in fair to poor condition due to faded paint and bullet holes.

This parking area is accessible via a Project recreation road referred to in this report as the Hell Hole Boat Ramp Road. As shown on Map REC 1-8, this road extends from the terminus of FR-2 to the start of the concrete boat ramp. The road is approximately 370-feet long and about 20-feet wide. The road is paved with a chip seal overlay and in good condition.

Hell Hole General Parking Area

The Hell Hole General Parking Area is located up the hill from Hell Hole Boat Ramp and can be accessed via Forest Route 2 (FR 2). This parking area includes three distinct sections: (1) a northwest section with enough space for 19 vehicles; (2) a middle section with enough space for another 19 vehicles, and; (3) a southeast section with enough space for 8-9 vehicles plus 3 designated handicap parking spaces. The parking area surfaces have been paved with asphalt, and chip sealed. This parking area can be used for overnight parking.

Amenities in this parking area include: (1) a single-unit, pre-cast restroom (CXT); (2) a bear-proof garbage container; and (3) two picnic tables, one of which is disabled accessible. A stairway provides a pathway from the parking area to the Hell Hole Boat Ramp. Potable water is not available.

- Overall, this parking area and associated amenities are in good condition. However, some of the pavement is in poor condition, especially in the southeast section, where tree roots have lifted the pavement and the chip seal has deteriorated to aggregate. Any striping that may have been present is no longer visible.
- The northwest and center parking sections are in fair to good condition, although the stall striping has faded. In addition, the handicap markings have faded.
- The single-unit CXT was installed in 2000 and is in good condition, although the ceiling is sagging. The CXT is disabled accessible.
- The bear-proof garbage container is in good condition. However, it is not considered disabled accessible due to its handle design.
- The picnic tables are in good condition, although the paint on the accessible table is flaking. There is sufficient clear space around the accessible table but small obstacles such as brush and rocks are present and may impede access. Also, an illegal fire-ring impedes access to the accessible table.
- The stairway is approximately 185 feet long. It is constructed of masonry, concrete, and wood steps separated by paved sections. Steel handrails line both sides of the stairway. Overall, the stairway is in good condition. However, some of the pavement is cracking and the paint on the handrail is flaking. The stairway is not accessible due to presence of steps and excessive slope. Changes would require major modifications.
- Most of the signage is in good condition, although some signs have faded.

User Opinions Regarding Hell Hole Boat Ramp and Associated Parking Areas

A total of 101 people encountered at the Hell Hole Boat Ramp and associated parking areas completed Section A-1 (Background Information) of the survey form. The responses of these 101 people were tabulated for analysis and are summarized on Table C-7, by survey question. Select results are discussed below. Note that the Section A-3 (Day Use at Developed Sites) survey data was not analyzed for this site due to the low number of completed surveys.

Importance of Facilities and Amenities

Survey participants were asked to rate the importance of various facilities and amenities when choosing the area to recreate. The responses to this question are summarized on Table C-7 and pertinent responses are summarized below.

- 44.1% (41 of 93 people) said developed campsites are very important (12.9%) or important (31.2%). Twenty-three people (24.7%) said developed campsites are somewhat important and 29 people (31.2%) said that developed campsites are not important.
- 27.5% (25 of 91 people) said flush restrooms are very important (13.2%) or important (14.3%). Twenty-seven people (29.7%) said that flush restrooms are somewhat important and 39 people (42.9%) said they are not important.
- 42.1% (37 of 88 people) said drinking water is very important (21.6%) or important (20.5%). Fifteen people (17.0%) said drinking water is somewhat important. Thirty-six people (40.9%) said that drinking water is not important.
- 75.3% (70 of 93 people) said boat launch ramps are very important (53.8%) or important (21.5%). Nine people (9.7%) said that boat launch ramps are somewhat important and 14 people (15.1%) said boat launch ramps are not important.
- 60.5% (55 of 91 people) said fishing trail access is very important (40.7%) or important (19.8%). Eleven people (12.1%) said fishing trail access is somewhat important and 25 people (27.5%) said it is not important.
- 25.6% (21 of 82 people) said that interpretative/educational exhibits/information is very important (8.5%) or important (17.1%). Twenty-one people (25.6%) said interpretative/educational exhibits/information is somewhat important and 40 people (48.8%) said is not important.

Information Resources

Survey participants were asked to rate the availability and adequacy of various information resources. The responses to this question are summarized on Table C-7 and pertinent responses are summarized below.

- 39.5% (24 of 86 people) said interpretive/educational information is acceptable. Ten people (11.6%) said it is not acceptable. Twenty-three people (26.7%) said it is not applicable.

- 46.1% (41 of 89 people) said recreation visitor information is acceptable. Twelve people (13.5%) said it is not acceptable. Eighteen people (20.2%) said it is not applicable.
- 52.3% (45 of 86 people) said safety/warning information is acceptable. Seven people (8.1%) said it is not acceptable. Thirteen people (15.1%) said it is not applicable.
- 38.4% (33 of 86 people) said reservoir water surface elevation information is acceptable. Eleven people (12.8%) said it is not acceptable. Nineteen people (22.1%) said it is not applicable.
- 36.1% (30 of 83 people) said river/stream flow information is acceptable. Nine people (10.8%) said it is not acceptable. Twenty-nine people (34.9%) said it is not applicable.

Overall Recreation Experience

Survey respondents were asked to rate their overall recreation experience using a satisfaction scale.

- 96.7% (88 of 91 people) said they were either very satisfied (58.2%) or satisfied (38.5%) with their overall recreation experience.

Additional Recreation Facilities, Amenities or Opportunities

Survey respondents were asked if there are any additional recreation facilities, amenities, or opportunities that would improve their recreation experience. A total of 71 people answered this question.

- Most people (67.6%) said “no.”
- Twenty-three people (32.4%) said “yes.” All 23 respondents provided one or more comments that fall into the following categories: roads (6); more developments (4); restrooms (3); better access (2); boat ramp (2); safety/emergency services (2); unsatisfactory fishing (2); conflicts with other users (1); more information (1); showers (1); and trash disposal (1).

6.1.6 DCUAs

The stakeholders identified two DCUAs in the Hell Hole Reservoir area. These DCUAs are shown on Map REC 1-3 and are referred to as: (1) Area on West Side of Hell Hole Reservoir, between dam and Hell Hole Boat Ramp; and (2) Grey Horse Area. Each of these areas is briefly described below.

Area on West Side of Hell Hole Reservoir, between Dam and Hell Hole Boat Ramp

The boundaries of this DCUA are shown on Map REC 1-3. As indicated, this area is located between a Project access road and Hell Hole Reservoir, and extends from the west end of Hell Hole Dam to the Hell Hole Boat Ramp parking area. The DCUA envelopes the Hell Hole Boat Ramp and associated parking areas. Aside from the boat ramp and parking areas the DCUA is unimproved.

Near the dam, the area consists primarily of a flat, dirt area bound to the west by bedrock outcrops and to the east by the slope of the reservoir. Northward, the DCUA includes the steep, rocky shoreline of Hell Hole Reservoir, a prominent point adjacent to the Hell Hole Boat Ramp Parking Area, and the shoreline in the vicinity of Hell Hole Boat Ramp. It also includes small turnouts along the parking area roadways and FR2.

Existing Recreation Use

This DCUA encompasses the Hell Hole Boat Ramp Parking Area and the Hell Hole General Parking Area. PCWA conducted vehicle counts in these two locations and also counted vehicles parked in the undeveloped areas surrounding these two parking areas. The data were combined and are represented in the Hell Hole Boat Ramp and associated parking areas described above. Since the counts were not differentiated, it is not possible to estimate use of the DCUA alone. Anecdotal observations indicate the following:

- The undeveloped parking areas are primarily used for overflow parking on peak summer weekends and holidays.
- The shoreline is used by shore anglers and for waterplay activities. Visitors have occasionally been observed jumping from the prominent point east of the Hell Hole Parking Area into the reservoir.
- The DCUA area closest to the dam may be used by people accessing the Hell Hole Trail. The Hell Hole Trailhead is located on the east side of the dam. A chain link fence prohibits public vehicular access to the dam area. However, an opening in the fence facilitates pedestrian access. Hikers may cross through the fence and walk across the spillway and dam to access the Upper Hell Hole Trailhead.

User Characteristics and Opinions

Visitor surveys were conducted at the Hell Hole Boat Ramp and associated parking areas, and the undeveloped areas surrounding these facilities. Survey participants encountered outside of the boundaries of the developed facilities were not differentiated from those encountered inside the boundaries of the developed facilities. Therefore, the user characteristics of the visitors encountered in this DCUA, and their opinions, are the same as those described above under Hell Hole Boat Ramp and Associated Parking Areas.

Grey Horse Area

This area is located on the north shore of Hell Hole Reservoir, at the east end of the reservoir. It is located on land owned by PCWA and surrounded by land managed by the ENF. It is accessible by boat or by the Hell Hole OHV trail (14N09A). At maximum operating water surface elevation (WSE), the area covers about 5.5 acres and consists primarily of gently to moderately sloping forested terrain. The shoreline in this area is relatively flat and as WSE recedes, a large sandy “beach” area becomes exposed.

The boundaries of this DCUA are shown on Map REC 1-3. There are no developed recreation facilities or amenities in this location. The Grey Horse Area is undeveloped and is not considered a Project recreation facility.

Existing Recreation Use

Vehicle counts were not conducted at this DCUA. None of the survey participants encountered at the Hell Hole Boat Ramp or associated parking areas indicated that they were visiting the Grey Horse area. Therefore, it is not possible to apportion a certain number of users to Grey Horse based on the survey and vehicle count data, and it is not possible to estimate use.

Anecdotal observations indicate the Grey Horse area is used for undeveloped day and overnight recreation use. During a site visit, rock fire rings were observed indicating the area is used for overnight camping. In addition, numerous tire tracks were observed suggesting that at least some visitors access this area using the Hell Hole OHV Trail.

User Characteristics and Opinions

The REC 2 – Recreation Visitor Surveys were administered at Grey Horse. A total of 13 people were intercepted at Grey Horse over the course of the summer. Of these, 2 people indicated they were camping at Upper Hell Hole Campground and one indicated they were camping on the Rubicon River. The remainder were either camping or engaged in day use activities at Grey Horse.

Four people encountered at Grey Horse completed both Section A- 1 (Background Information) and Section A-4 (Day Use or Camping in Undeveloped Areas) of the survey form. The survey data was not analyzed due to the low number of completed survey forms. However, a brief review of the survey forms indicates the following:

- All four of the survey participants were over 18 years old, English speaking, and Caucasian;
- All of the survey participants drove a car/SUV/Truck. The number of people per vehicle ranged from two to six;
- All four survey participants stayed 2-3 nights;
- All four survey participants used tents;
- None of the survey participants were adversely affected by crowding or other activities taking place;
- All four survey participants were very satisfied with the overall recreation experience.

None of these survey participants were part of the same group, nor were they interviewed on the same day.

6.2 FRENCH MEADOWS AREA

French Meadows Reservoir is located in the Middle Fork American River Canyon at an elevation of 5,262 feet above mean sea level (MSL). The surrounding landscape is characterized by moderately steep hillsides, which are densely vegetated with mixed conifer forest, interspersed with small areas of white fir and huckleberry oak and intermittent granitic outcrops. Hundreds of forested acres west of the dam were consumed in the Star Fire in 2001. Most of the burned area consists of a few patches of forest with large area of exposed bedrock and soil. Similar to Hell Hole Reservoir, the French Meadows Reservoir area is typically accessible from about May 1 to November 1. However, during some years snow may limit access to the area until the end of May. Most recreation use occurs between Memorial Day and Labor Day, with the heaviest use occurring on weekends and holidays.

The French Meadows Reservoir area provides a variety of recreation opportunities including fishing, camping, reservoir boating, hiking, picnicking, and sight seeing. These opportunities are supported by ten developed Project recreation facilities, as follows:

Campgrounds

- Ahart Campground
- French Meadows Campground
- Lewis Campground
- Poppy Campground

Group Campgrounds

- Coyote Group Campground
- Gates Group Campground

Day Use Facilities

- French Meadows Boat Ramp
- French Meadows Picnic Area
- McGuire Boat Ramp
- McGuire Picnic Area

In addition, the stakeholders identified four DCUAs in the French Meadows Area, as follows:

DCUAs

- Area near bridge over the Middle Fork American River, upstream of French Meadows Reservoir
- Area near French Meadows - Hell Hole Tunnel Gatehouse

- Area immediately downstream of French Meadows Dam (both sides of river)
- Area located immediately northwest of French Meadows Dam

The locations of these recreation facilities and DCUAs are shown on Map REC 1-9, which also shows the locations of the primary MFP facilities and land ownership. As indicated, Ahart Campground, Gates Group Campground, Coyote Group Campground, and Lewis Campground are not located in the immediate vicinity of the reservoir. French Meadows Campground is located on the south shore of the reservoir, near the reservoir. Poppy Campground is located on the north shore of the reservoir and can only be reached by boat or by hiking along a short (.7-mile) segment of the Western States Trail. French Meadows and McGuire Boat Ramps provide the primary access to the reservoir. These boat ramps are located near French Meadows and McGuire Picnic Areas, which provide day use opportunities near the reservoir.

Camping in the French Meadows area is permitted only within the developed camping areas (TNF website 2006). The USDA-FS restricts overnight camping in undeveloped areas around the reservoir for resource protection. French Meadows lies within the boundaries of a State Game Refuge and no firearms are permitted.

All of the developed Project recreation facilities in the French Meadows Reservoir Area are operated and maintained by a concessionaire, under contract to the Tahoe National Forest. According to the TNF, aside from collecting fees, the concessionaire is responsible for all cleaning, maintenance, brushing, repair or replacement of missing, damaged, or vandalized features (e.g., picnic tables), removal of hazard trees, litter pick-up, and garbage removal (Pers. Comm., Ed Moore, July 24, 2008). Use fees are set by the concessionaire but must be approved by the Forest Service. Routine operation and maintenance activities are paid for in part with funding provided by PCWA in accordance with Collection Agreement #03-CO-11051754-014, which was fully executed on April 1, 2003 and recently amended in early 2010. The collection agreement requires PCWA to pay a portion of the costs associated with the “administration, operating, maintenance, repair, renewal, and replacement of the recreation facilities.” The specific items covered by the agreement are specified in Exhibit B of the agreement, but may be modified with mutual consent.

6.2.1 Ahart Campground

Ahart Campground is located along the Middle Fork American River, upstream of French Meadows Reservoir. It consists of 12 sites. Each site includes a heavy wood picnic table, a steel fire ring with adjustable grills, and a new, large bear-proof food storage locker (bear box). Two sites also have concrete/steel stoves. All sites include a native-surface spur, delineated with a combination of wood posts, barrier bars and barrier rocks. Other amenities at this campground include 2 vault toilets and 2 bear-proof garbage containers. Potable water is not available.

Existing Recreation Use

This site is operated and maintained by a concessionaire under contract to the USDA-FS. The concessionaire collects daily recreation use data at this site and provides it to the USDA-FS. The daily use data was reviewed by PCWA and used to estimate recreation use. The results are summarized below, organized by season.

Estimated Recreation Use at Ahart Campground (in RVDs)

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 - Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
1,804	8	68	1,880

As indicated, use was highest during the summer season. According to the Forest Service records, little use occurred during the fall and winter/spring periods. However, it is not clear whether this is because there was little use or because use was not recorded during this period. The last recorded use at this site occurred on September 4, 2007; therefore all of the recreation use recorded during the fall period occurred on September 4, 2007. The first recorded use in 2008 occurred on May 20th; therefore all of the recreation use recorded during the winter/spring period occurred between May 20th and May 23rd.

User Characteristics

A total of 44 people who camped at Ahart Campground completed Section A-1 (Background Information) and Section A-2 (Camping at a Developed Facility) of the REC 2 – Recreation Visitor Survey instrument. The results of these 44 people were tabulated for analysis and are summarized in Tables C-8 and C-9 of Appendix C, respectively, by survey question. Select results are discussed below.

Recreation Activities

Survey participants were asked to identify the activities they engaged in during their visit. Multiple responses were accepted. All 44 people intercepted at Ahart Campground answered this question, with the following results:

- Camping at a developed site – 100% (44 people)
- Fishing – 31.8% (14 people)
- Reservoir recreation – 18.2% (8 people)
- Day use along a stream/river – 11.4% (5 people)

All other responses were less than 10% and are summarized on Table C-8.

Vehicle Type

Survey participants were asked to identify the type of vehicle they used to drive to the area. A total of 43 people answered this question. The majority of people (83.7%) identified “car/SUV/Truck.” Five people (11.6%) identified “camper/RV” and two people identified multiple vehicles.

Number of People in Vehicle

Survey participants were asked how many people were in their vehicle. A total of 42 people answered this question. The average number of people per vehicle was 2.4, with a standard deviation of 1.0.

Group Age Categories

Survey participants were asked how many people in their group were under 18 or over 18. A total of 43 people provided sufficient information to analyze. Based on the information provided, 76.7% of the people in each group were 18 or over and 23.3% were under 18.

Residence/Area of Origin

Survey participants were asked to identify their place of residence by zip code. A total of 42 people answered this question. The majority of respondents reside in the following three counties. All other responses were <8% and are summarized on Table C-8.

- Placer County – 38.1%
- El Dorado County – 16.7%
- Sacramento County – 16.7%

Respondent's Age

Survey participants were asked the year they were born. A total of 39 people answered this question. The responses to this question were used to determine the average age of the survey participants, which was 42.5, with a standard deviation of 15.0.

Ethnicity

Survey respondents were asked to identify the cultural or ethnic group they most closely identify with. A total of 43 respondents answered this question, with the following results. The majority (88.4%) of respondents were White/Caucasian. Other responses included: Hispanic or Latino (4.7%) and other/multiracial (7.0%).

Primary Language

Survey participants were asked to identify their primary spoken language. A total of 38 people answered this question. The majority of respondents (97.4%) identified English as their primary spoken language, and one person (2.6%) identified both English and Spanish as their primary spoken languages.

Reasons for Visiting the Area

Survey participants were asked to identify the main reason they chose to visit the area. After excluding invalid responses, a total of 27 responses were analyzed, with the following results.

- The most frequent responses were “scenic quality of the area” (33.3%) and “access to river/stream” (18.5%).
- Other responses included, in order of response rate: “access to lake/reservoir”, “close to home”, and “lack of crowding” (all 11.1%), and “recreational activities/opportunities in the area” and “other” (both 7.4%).

Survey participants were also asked to specify any number of secondary reasons for visiting the area. A total of 27 people properly answered this question. Multiple responses were accepted.

- The most frequent response was “lack of crowding” (51.9%).
- Other responses included, in order of response rate: “access to lake/reservoir” (40.7%), “access to river/stream”, “recreational activities/opportunities in the area”, and “scenic quality of the area” (all 33.3%), “close to home” (29.6%), “cost of facility access fee” (22.2%), and “presence of on-site manager/host” and “other” (both 7.4%).

Primary and Secondary Activities

Survey participants were asked to identify the activities they engaged in, or expected to engage in, during their trip. They were instructed to check one main activity and one or more secondary activities. The primary and secondary activities identified by the survey respondents are tabulated on Table C-8 and summarized below.

- A total of 24 people identified one main activity. The most frequent response was “camping in developed sites” (54.2%) followed by “relaxing” (12.5%).
- A total of 24 people identified one or more secondary activities. The most frequent responses were “relaxing” (41.7%) and “hiking/walking” (37.5%).

Number of Nights Camping

Respondents were asked how many nights they would be camping during their visit. A total of 43 people answered this question. The responses to this question were used to determine the average number of nights that respondents camped, which was 2.8, with a standard deviation of 1.2.

Facility Assessment

An inventory of the amenities and features associated with Ahart Campground, including a condition assessment, was conducted on September 4, 2008 in consultation with a TNF representative. In addition, a detailed survey of the access road (96-91) and the campground loop roads was conducted on July 30, 2008. The facility inventory is included in Appendix I-1 and photographs of select facility features are included in

Appendix I-2. The detailed road survey results are provided in Tables REC 1-11 and REC 1-12. A brief overview of facility elements is provided in the following.

Entrance Road, Fee Station, and Loop Roads

Ahart Campground is accessible from FR 96. The entrance road (identified by the USDA-FS as 96-91) is short (about 158 feet) terminating at an “island” which separates the entrance road from the exit road. Two loop roads provide access to each of the campsites. The entrance, exit, and loop roads are all single lane. The surface is native soils with a sparse layer of crushed rock. In general, the entrance, exit, and loop roads are in good condition. However, poor drainage has created a few low spots in the road, particularly where the loop roads intersect. No drainage features such as culverts were recorded during the detailed road survey conducted on July 30, 2008.

The fee station is located on the island between the entrance and exit roads. The fee station includes a fee tube and a large (4' x 8') painted wood information board set on painted wood crossbars and posts. The wood frame and signage is in good condition. The area around the fee station is level but is not well compacted. In addition, small obstacles and forest debris is present in the fee station area.

Campsites

Ahart Campground includes 12 campsites. Each campsite consists of an unpaved spur delineated with wood posts, bars and barrier rocks, a heavy wood picnic table, a steel fire ring with adjustable grills, and a large bear-proof food storage locker (bear box).

The individual campsites are generally in good condition. The tables are in fair to good condition but the paint on most of the tables is flaking and the bench or table boards on some of the tables have split. In addition, some of the tables have been damaged by moderate to heavy graffiti. All of the fire rings were installed in 1998. They are functional but most show some damage, including missing grills. All of the bear boxes were installed in 2006 and are in good condition. Concrete/steel stoves are present at two of the sites. Both are damaged and in poor condition.

None of the sites are designated handicap accessible. However, most of the sites are relatively flat and could easily be made accessible with minor site leveling, and the addition of accessible features such as tables and fire grills. With the exception of Site 5, none of the parking spurs are accessible due to insufficient widths, but most could be made accessible without substantially altering the landscape.

Campground Amenities

Common areas in the campground include two vault bathrooms and two bear-proof garbage bins. Both of the bathrooms are double unit, painted wood structures. They were installed in the 1960s and are generally outdated, with one showing dry rot along the roof line. The bear proof garbage bins are set on concrete slabs and are in good condition. Potable water is not available at this site.

User Opinions Regarding Ahart Campground

A total of 44 people encountered at Ahart Campground completed Section A-1 (Background Information) and Section A-2 (Camping at a Developed Facility) of the REC 2 – Recreation Visitor Survey instrument. The responses of these 44 people were tabulated for analysis and are summarized on Tables C-8 and C-9, by survey question. Select results are discussed below.

Importance of Facilities and Amenities

Survey participants were asked to rate the importance of various facilities and amenities when choosing the area to recreate. The responses to this question are summarized on Table C-8 and pertinent responses are summarized below.

- 52.5% (21 of 40 people) said developed campsites are very important (32.5%) or important (20.0%). Thirteen people (32.5%) said developed campsites are somewhat important and six people (15.0%) said that developed campsites are not important.
- 37.8% (14 of 37 people) said flush restrooms are very important (21.6%) or important (16.2%). Ten people (27.0%) said that flush restrooms are somewhat important and 13 people (35.1%) said they are not important.
- 59.4% (22 of 37 people) said drinking water is very important (40.5%) or important (18.9%). Eleven people (29.7%) said drinking water is somewhat important. Four people (10.8%) said that drinking water is not important.
- 27.0% (10 of 37 people) said RV dump stations are very important (16.2%) or important (10.8%). One person (2.7%) said that RV dump stations are somewhat important and the majority of people (70.3%) said RV dump stations are not important.
- 70.0% (28 of 40 people) said fishing trail access is very important (50.0%) or important (20.0%). Five people (12.5%) said fishing trail access is somewhat important and seven people (17.5%) said it is not important.
- 22.9% (8 of 35 people) said that interpretative/educational exhibits/information is very important (8.6%) or important (14.3%). Eleven people (31.4%) said interpretative/educational exhibits/information is somewhat important and 16 people (45.7%) said is not important.

Information Resources

Survey participants were asked to rate the availability and adequacy of various information resources. The responses to this question are summarized on Table C-8 and pertinent responses are summarized below.

- 45.0% (18 of 40 people) said interpretive/educational information is acceptable. Two people (5.0%) said it is not acceptable. Ten people (25.0%) said it is not applicable.

- 48.7% (19 of 39 people) said recreation visitor information is acceptable. Two people (5.1%) said it is not acceptable. Eight people (20.5%) said it is not applicable.
- 62.5% (25 of 40 people) said safety/warning information is acceptable. One person (2.5%) said it is not acceptable. Seven people (17.5%) said it is not applicable.
- 41.0% (16 of 39 people) said reservoir water surface elevation information is acceptable. Six people (15.4%) said it is not acceptable. Ten people (25.6%) said it is not applicable.
- 42.1% (16 of 38 people) said river/stream flow information is acceptable. Five people (13.2%) said it is not acceptable. Ten people (26.3%) said it is not applicable.

Overall Recreation Experience

Survey respondents were asked to rate their overall recreation experience using a satisfaction scale.

- 100.0% (44 people) said they were either very satisfied (75.0%) or satisfied (25.0%) with their overall recreation experience.

Additional Recreation Facilities, Amenities or Opportunities

Survey respondents were asked if there are any additional recreation facilities, amenities, or opportunities that would improve their recreation experience. A total of 30 people answered this question.

- Most people (76.7%) said “no.”
- Seven people (23.3%) said “yes.” All seven people provided comments that fall into the following categories: drinking water (3); more signage (1); restrooms (1); roads (1); and water level (1).

First Choice Campground

Respondents were asked if they were able to camp at their first choice campground, and if not, they were asked to specify their first choice. All 44 people answered this question.

- 90.9% (40 of 44 people) said “yes.”
- 9.1% (4 of 44 people) said “no.”
- Only one respondent who answered “no” provided their first choice campground, which was “next to the river.”

Method of Camping

Respondents were asked what method they used to camp. All 44 people answered this question, with the following results:

- Tent – 65.9% (29 people)

- Recreational vehicle less than 25 feet – 11.4% (5 people)
- Recreational vehicle 25-35 feet – 6.8% (3 people)
- Tent trailer – 6.8% (3 people)
- Trailer less than 25 feet – 4.5% (2 people)

All other responses were less than 3% and are summarized on Table C-9.

Campground Factors

Survey respondents were asked to rate various factors concerning the campground they stayed in. The responses to this question are summarized on Table C-9 and pertinent responses are summarized below.

- 93.2% (41 of 44 people) said campsite availability is acceptable.
- 95.3% (41 of 43 people) said campsite condition is acceptable.
- 92.7% (38 of 41 people) said campsite cleanliness is acceptable.
- 72.7% (24 of 33 people) said adequacy of campsite screening is acceptable. One person (3.0%) said it is not acceptable.
- 76.7% (33 of 43 people) said adequacy of campsite shading is acceptable.
- 61.0% (25 of 41 people) said restroom condition is acceptable. Four people (9.8%) said it is not acceptable.
- 63.4% (26 of 41 people) said restroom cleanliness is acceptable. One person (2.4%) said it is not acceptable.
- 35.0% (14 of 40 people) said drinking water availability is acceptable. Nineteen people (47.5%) said it is not acceptable.
- 83.3% (35 of 42 people) said trash disposal is acceptable. One person (2.4%) said it is not acceptable.
- 83.3% (35 of 42 people) said parking availability is acceptable. One person (2.4%) said it is not acceptable.
- 86.0% (37 of 43 people) said parking area condition is acceptable. One person (2.3%) said it is not acceptable.
- 97.7% (42 of 43 people) said adequacy of food storage lockers is acceptable.
- 95.2% (40 of 42 people) said condition of food storage lockers is acceptable.
- 85.4% (35 of 41 people) said parking spur size is acceptable. Two people (4.9%) said it is not acceptable.
- 76.2% (32 of 42 people) said road condition in campground is acceptable. Two people (4.8%) said it is not acceptable.
- 81.4% (35 of 43 people) said adequacy of road size in campground is acceptable. One person (2.3%) said it is not acceptable.

- 61.9% (26 of 42 people) said cost of campground fee is acceptable. Nine people (21.4%) said it is not acceptable.
- 59.0% (23 of 39 people) said adequacy of law enforcement personnel is acceptable. Three people (7.7%) said it is not acceptable.

Adequate Services and Facilities

Survey respondents were asked if the services and/or facilities at the campground were adequate for any physically impaired person in their party. A total of 39 people answered this question. People who answered “no” were asked to explain their answer.

- The majority of respondents (61.5%) said that the question was not applicable.
- Twelve people (30.8%) said “yes.”
- Three respondents (7.7%) said “no”, but did not explain their answers.

Recreation Experience Affected by Other Factors

Survey respondents were asked if their recreation experience was negatively affected by crowding or other activities taking place. People who answered “yes” were asked to explain their answer.

- 100.0% of the respondents (41 people) said that they were not affected by crowding.
- 100.0% of the respondents (35 people) said that they were not affected by other activities taking place.

Overall Recreation Experience at Campground

Survey respondents were asked to rate their overall recreation experience at the specified campground using a satisfaction scale.

- 97.7% (43 of 44 people) said they were either very satisfied (72.7%) or satisfied (25.0%) with their overall recreation experience at Ahart Campground.

6.2.2 French Meadows Campground

French Meadows Campground is located on the south side of French Meadows Reservoir, east of French Meadows Boat Ramp and Picnic Area. It consists of 75 sites organized along two loops, an east loop and a west loop. Eight of the sites are designated as handicap accessible and two are used as host sites. Sites 1-31, all on the east loop, may be used by reservation only. The other sites (Sites 32-75), all located on the west loop, are managed on a “first-come, first-served” basis.

Each site includes a heavy wood picnic table, a steel fire ring with adjustable grill, and a bear-proof food storage locker (bear box). All sites include a paved parking spur, typically delineated with a combination of wood posts, barrier bars and barrier rocks. Other amenities at this campground include bathrooms with flush toilets, vault toilets, bear-proof garbage containers, bear-proof recycling containers, and faucets with potable water.

Existing Recreation Use

This site is operated and maintained by a concessionaire under contract to the USDA-FS. The concessionaire collects daily recreation use data at this site and provides it to the USDA-FS. The daily use data was reviewed by PCWA and used to estimate recreation use. The results are summarized below, organized by season.

Estimated Recreation Use at French Meadows Campground (in RVDs)

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 - Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
7,346	110	298	7,754

As indicated, use ranged from 110 RVDs during the fall season to 7,346 RVDs during the summer season. According to the Forest Service records, use during the fall was lower than during the winter/spring period. However, it is not clear whether this is because there was low use during the fall or because use was not recorded during this period. During 2007, the last recorded use at this site occurred on September 8th; therefore all of the recreation use recorded during the fall period occurred between September 4th and September 8th, 2007. The first recorded use in 2008 occurred on May 22nd; therefore all of the recreation use recorded during the winter/spring period occurred between May 22nd and May 23rd.

User Characteristics

A total of 98 people who camped at French Meadows Campground completed Section A-1 (Background Information) and Section A-2 (Camping at a Developed Facility) of the REC 2 – Recreation Visitor Survey instrument. The results of these 98 surveys were tabulated for analysis and are summarized in Tables C-10 and C-11 of Appendix C, respectively, by survey question. Select results are discussed below.

Recreation Activities

Survey participants were asked to identify the activities they engaged in during their visit. Multiple responses were accepted. All 98 people intercepted at French Meadows Campground answered this question, with the following results:

- Camping at a developed site – 100% (98 people)
- Reservoir recreation – 53.1% (52 people)
- Fishing – 37.8% (37 people)

All other responses were less than 6% and are summarized on Table C-10.

Vehicle Type

Survey participants were asked to identify the type of vehicle they used to drive to the area. A total of 94 people answered this question. The majority of people (86.2%)

identified “car/SUV/Truck.” Eleven people (11.7%) identified “camper/RV” and two people identified “other.”

Number of People in Vehicle

Survey participants were asked how many people were in their vehicle. A total of 94 people answered this question. The average number of people per vehicle was 3.2, with a standard deviation of 1.6.

Group Age Categories

Survey participants were asked how many people in their group were under 18 or over 18. A total of 94 people provided sufficient information to analyze. Based on the information provided, 72.7% of the people in each group were 18 or over and 27.3% were under 18.

Residence/Area of Origin

Survey participants were asked to identify their place of residence by zip code. A total of 92 people answered this question. The majority of respondents reside in the following three counties. All other responses were <3% and are summarized on Table C-10.

- Placer County – 34.8%
- Sacramento County – 32.6%
- El Dorado County – 10.9%

Respondent’s Age

Survey participants were asked the year they were born. A total of 87 people answered this question. The responses to this question were used to determine the average age of the survey participants, which was 42.7, with a standard deviation of 13.4.

Ethnicity

Survey respondents were asked to identify the cultural or ethnic group they most closely identify with. A total of 91 respondents answered this question, with the following results. The majority (89.0%) of respondents were White/Caucasian. Other responses included: Hispanic or Latino (4.4%), American Indian or Alaskan Native and Asian (both 2.2%), and Native Hawaiian or Pacific Islander and other/multiracial (both 1.1%).

Primary Language

Survey participants were asked to identify their primary spoken language. A total of 84 people answered this question. The majority of respondents (96.4%) identified English as their primary spoken language. Other responses included: Russian (2.4%) and Spanish (1.2%).

Reasons for Visiting the Area

Survey participants were asked to identify the main reason they chose to visit the area. After excluding invalid responses, a total of 56 responses were analyzed, with the following results.

- The most frequent responses were “scenic quality of the area” (28.6%) and “close to home” (23.2%).
- Other responses included, in order of response rate: “access to lake/reservoir” and “recreational activities/opportunities in the area” (both 14.3%), “lack of crowding” (12.5%), and “other” (7.1%).

Survey participants were also asked to specify any number of secondary reasons for visiting the area. A total of 57 people properly answered this question. Multiple responses were accepted.

- The most frequent response was “scenic quality of the area” (47.4%).
- Other responses included, in order of response rate: “access to lake/reservoir” (43.9%), “lack of crowding” (28.1%), “recreational activities/opportunities in the area” (24.6%), “close to home” (22.8%), “access to river/stream” (14.0%), “cost of facility access fee” (8.8%), “presence of on-site manager/host” (7.0%), and “other” (1.8%).

Primary and Secondary Activities

Survey participants were asked to identify the activities they engaged in, or expected to engage in, during their trip. They were instructed to check one main activity and one or more secondary activities. The primary and secondary activities identified by the survey respondents are tabulated on Table C-10 and summarized below.

- A total of 53 people identified one main activity. The most frequent response was “camping in developed sites” (62.3%) followed by “reservoir fishing” (22.6%).
- A total of 54 people identified one or more secondary activities. The most frequent responses were “reservoir swimming/water-play/sun bathing” (53.7%) and “relaxing” (44.4%).

Number of Nights Camping

Respondents were asked how many nights they would be camping during their visit. A total of 94 people answered this question. The responses to this question were used to determine the average number of nights that respondents camped, which was 2.8, with a standard deviation of 2.0.

Facility Assessment

An inventory of the amenities and features associated with French Meadows Campground, including a condition assessment, was conducted on July 24, 2008 in consultation with a TNF representative. In addition, a detailed survey of the access road and the campground loop roads was conducted on August 13, 2008. The facility

inventory is included in Appendix J-1 and photographs of select facility features are included in Appendix J-2. The detailed road survey results are provided in Tables REC 1-11 and REC 1-12. A brief overview of facility elements is provided in the following.

Entrance Road, Fee Station, and Loop Roads

French Meadows Campground is accessible from Mosquito Ridge Road (FR-96), which parallels the south side of French Meadows reservoir. Access within the campground is facilitated via a short entrance/exit road and two loop roads. The entrance and loop roads were paved in 2001 and, as such, are in good condition. A double swing gate is located near the entrance/exit to the east loop. This gate is closed during the winter and early spring to prevent access to the east loop. Detailed information about the access and loop roads, including drainage features, is provided in Tables REC 1-11 and REC 1-12, organized by segment.

A fee station is located near the entrance, delineated by a rock boundary. The surface of the fee station area is comprised of crushed rock and is level and free of obstacles. The fee station signage, fee tube, and message/fee box are all in good condition.

Campsites

French Meadows Campground includes 75 campsites. Eight of the sites are designated as handicap accessible and two are used as host sites. Sites 1-31, all on the east loop, may be used by reservation only. The other sites (Sites 32-75) are all located on the west loop, are managed on a "first-come, first-served" basis. All sites include a paved parking spur, typically delineated with a combination of wood posts, barrier bars and barrier rocks.

Each site includes a heavy wood picnic table, a steel fire ring with adjustable grill, and either a small or large bear-proof food storage locker (bear box). The tables are generally in good condition with paint flaking on some. All of the small bear boxes were installed in 2002 and all of the large bear boxes were installed in 2003 and 2004. All of the bear boxes are in good condition. The fire rings were installed between 1998 and 2005. All of the fire rings are in good condition.

Eight sites (Sites 16, 17, 18, 36, 38, 62, 63, and 64) are designated as handicap accessible. Each accessible site is identified with a blue and white sign. Except for Site 17, all of the sites include an accessible wood picnic table, an accessible fire ring with an adjustable grill, and a small or large bear box. Site 17 includes an accessible table, a fire ring, and pedestal cooking grill. The surfaces at the accessible sites are firm and level. The parking spurs are paved and level but except for Site 64 are too narrow to meet accessibility standards.

Campground Amenities

The campground includes four double-unit bathroom structures with flush toilets and sinks. In addition, it includes two vault bathrooms. All of the bathroom structures with flush toilets and sinks are constructed of wood and are generally in good condition. One of the bathrooms (#2) was retrofitted to meet accessibility standards. The others

do not meet accessibility standards. Both of the vault bathrooms are outdated and in poor condition and neither are accessible due to narrow entrance widths and stalls, and level changes.

The campground includes a total of 10 bear-proof garbage containers. One of the garbage containers was installed in 1999 and the other 9 were installed in 1998. All of the garbage containers are in good condition. The campground also includes five bear-proof recycling bins. All of the recycling bins were installed in 2006 and are in good condition.

Potable water is available at 15 faucets situated throughout the campground. All of the faucets are constructed of upright steel pipes mounted to wood posts set in corrugated steel drainage sumps. All of the faucets are in good condition but none are fully accessible. Accessibility varies at each location. Access to most of the faucets is difficult due to level changes and obstacles. Only one faucet has an accessible handle.

Water Supply

Water is supplied to this site via the French Meadows Campground Water Supply, which is referred to by the Forest Service as the French Meadows South Shore Water System. This system also serves the following sites:

- French Meadows Picnic Area
- French Meadows Boat Ramp

The water source is a horizontal groundwater well that was installed in 1993 and activated up to the storage tank in 1994. Flow from the well is approximately 1.7 gallons per minute. Water is conveyed from the well head to a 10,000 gallon concrete storage tank via an approximately 1,950 feet long, 1-inch black plastic pipe. It takes approximately 4-days to fill the storage tank due to the low flow rate of the well. The approximate location of the distribution supply line to the recreation facilities is shown on Map REC 1-9.

User Opinions Regarding French Meadows Campground

A total of 98 people encountered at French Meadows Campground completed Section A-1 (Background Information) and Section A-2 (Camping at a Developed Facility) of the REC 2 – Recreation Visitor Survey instrument. The responses of these 98 people were tabulated for analysis and are summarized on Tables C-10 and C-11, by survey question. Select results are discussed below.

Importance of Facilities and Amenities

Survey participants were asked to rate the importance of various facilities and amenities when choosing the area to recreate. The responses to this question are summarized on Table C-10 and pertinent responses are summarized below.

- 75.3% (70 of 93 people) said developed campsites are very important (45.2%) or important (30.1%). Twenty people (21.5%) said developed campsites are

somewhat important and three people (3.2%) said that developed campsites are not important.

- 68.9% (62 of 90 people) said flush restrooms are very important (38.9%) or important (30.0%). Eighteen people (20.0%) said that flush restrooms are somewhat important and 10 people (11.1%) said they are not important.
- 74.4% (67 of 90 people) said drinking water is very important (50.0%) or important (24.4%). Twelve people (13.3%) said drinking water is somewhat important. Eleven people (12.2%) said that drinking water is not important.
- 20.2% (17 of 84 people) said RV dump stations are very important (10.7%) or important (9.5%). Twelve people (14.3%) said that RV dump stations are somewhat important and the majority of people (65.5%) said RV dump stations are not important.
- 66.6% (58 of 87 people) said fishing trail access is very important (40.2%) or important (26.4%). Ten people (11.5%) said fishing trail access is somewhat important and 19 people (21.8%) said it is not important.
- 23.7% (18 of 76 people) said that interpretative/educational exhibits/information is very important (10.5%) or important (13.2%). Twenty-one people (32.9%) said interpretative/educational exhibits/information is somewhat important and 37 people (43.4%) said is not important.

Information Resources

Survey participants were asked to rate the availability and adequacy of various information resources. The responses to this question are summarized on Table C-10 and pertinent responses are summarized below.

- 35.9% (28 of 78 people) said interpretive/educational information is acceptable. Three people (3.8%) said it is not acceptable. Twenty-one people (26.9%) said it is not applicable.
- 47.6% (39 of 82 people) said recreation visitor information is acceptable. Four people (4.9%) said it is not acceptable. Fifteen people (18.3%) said it is not applicable.
- 50.0% (40 of 80 people) said safety/warning information is acceptable. Four people (5.0%) said it is not acceptable. Ten people (12.5%) said it is not applicable.
- 36.9% (31 of 84 people) said reservoir water surface elevation information is acceptable. Thirteen people (15.5%) said it is not acceptable. Eleven people (13.1%) said it is not applicable.
- 30.8% (24 of 78 people) said river/stream flow information is acceptable. Eleven people (14.1%) said it is not acceptable. Seventeen people (21.8%) said it is not applicable.

Overall Recreation Experience

Survey respondents were asked to rate their overall recreation experience using a satisfaction scale.

- 94.6% (88 of 93 people) said they were either very satisfied (55.9%) or satisfied (38.7%) with their overall recreation experience.

Additional Recreation Facilities, Amenities or Opportunities

Survey respondents were asked if there are any additional recreation facilities, amenities, or opportunities that would improve their recreation experience. A total of 72 people answered this question.

- Most people (66.7%) said “no.”
- Twenty-four people (33.3%) said “yes.” Twenty-two people provided one or more comments that fall into the following categories: restrooms (5); water level (5); more developments (3); better access (2); more information (2); showers (2); trash disposal (2); campsite storage (1); safety (1); and positive observations (2).

First Choice Campground

Respondents were asked if they were able to camp at their first choice campground, and if not, they were asked to specify their first choice. A total of 95 people answered this question.

- 90.5% (86 of 95 people) said “yes.”
- 9.5% (9 of 95 people) said “no.”
- Seven of the nine respondents who answered “no” provided their first choice campgrounds. The responses included three campgrounds located within the Project area and four campgrounds located outside of the Project area, as follows:
 - Ahart Campground, Lewis Campground, and Hell Hole Campground are located within the Project area
 - Eagle Point, Loon Lake, Stumpy Meadows, and Waahl Reserve are located outside of the Project area

Method of Camping

Respondents were asked what method they used to camp. A total of 95 people answered this question, with the following results:

- Tent – 72.6% (69 people)
- Recreational vehicle less than 25 feet – 9.5% (9 people)
- Tent trailer – 7.4% (7 people)

All other responses were less than 5% and are summarized on Table C-11.

Campground Factors

Survey respondents were asked to rate various factors concerning the campground they stayed in. The responses to this question are summarized on Table C-11 and pertinent responses are summarized below.

- 93.9% (92 of 98 people) said campsite availability is acceptable.
- 94.9% (93 of 98 people) said campsite condition is acceptable.
- 96.9% (94 of 97 people) said campsite cleanliness is acceptable.
- 89.8% (79 of 88 people) said adequacy of campsite screening is acceptable. Two people (2.3%) said it is not acceptable.
- 85.3% (81 of 95 people) said adequacy of campsite shading is acceptable.
- 81.5% (75 of 92 people) said restroom condition is acceptable. One person (1.1%) said it is not acceptable.
- 75.8% (69 of 91 people) said restroom cleanliness is acceptable. One person (1.1%) said it is not acceptable.
- 76.4% (68 of 89 people) said drinking water availability is acceptable. Eight people (9.0%) said it is not acceptable.
- 85.4% (82 of 96 people) said trash disposal is acceptable. Two people (2.1%) said it is not acceptable.
- 88.5% (85 of 96 people) said parking availability is acceptable. Two people (2.1%) said it is not acceptable.
- 94.7% (89 of 94 people) said parking area condition is acceptable.
- 94.8% (92 of 97 people) said adequacy of food storage lockers is acceptable. Two people (2.1%) said it is not acceptable.
- 94.8% (91 of 96 people) said condition of food storage lockers is acceptable.
- 80.0% (76 of 95 people) said parking spur size is acceptable. Four people (4.2%) said it is not acceptable.
- 95.8% (92 of 96 people) said road condition in campground is acceptable.
- 88.4% (84 of 95 people) said adequacy of road size in campground is acceptable. One person (1.1%) said it is not acceptable.
- 63.9% (62 of 97 people) said cost of campground fee is acceptable. Seven people (7.2%) said it is not acceptable.
- 63.2% (55 of 87 people) said adequacy of law enforcement personnel is acceptable. Six people (6.9%) said it is not acceptable.

Adequate Services and Facilities

Survey respondents were asked if the services and/or facilities at the campground were adequate for any physically impaired person in their party. A total of 91 people answered this question. People who answered “no” were asked to explain their answer.

- The majority of respondents (57.1%) said that the question was not applicable.
- Thirty people (33.0%) said “yes.”
- Nine respondents (9.9%) said “no”, and only one provided an explanation for their answer, as follows: “bathroom inadequate.”

Recreation Experience Affected by Other Factors

Survey respondents were asked if their recreation experience was negatively affected by crowding or other activities taking place. People who answered “yes” were asked to explain their answer.

- 93.5% of the respondents (86 of 92 people) said that they were not affected by crowding.
- 96.5% of the respondents (83 of 86 people) said that they were not affected by other activities taking place.
- Three of the respondents that were negatively affected by crowding explained their answers as follows: (1) “just a busy weekend”, (2) “large party/barking dog”, and (3) “too many people and free roaming dog at first choice campsite.”
- Three of the respondents that were negatively affected by other activities taking place explained their answers as follows: (1) “over sensitive camp hosts”, (2) “loud music from cars – this should not be allowed”, and (3) “party!”

Overall Recreation Experience at Campground

Survey respondents were asked to rate their overall recreation experience at the specified campground using a satisfaction scale.

- 92.6% (88 of 95 people) said they were either very satisfied (56.8%) or satisfied (35.8%) with their overall recreation experience at French Meadows Campground.

6.2.3 Lewis Campground

Lewis Campground is located at the northeast end of French Meadows Reservoir. It consists of 40 sites, three of which are designated as handicap accessible. Each site includes a heavy wood picnic table, a steel fire ring with adjustable grill, and a new, large bear-proof food storage locker (bear box). Other amenities at this campground include bathrooms with flush toilets, vault toilets, bear-proof garbage containers, and faucets with potable water.

Existing Recreation Use

This site is operated and maintained by a concessionaire under contract with the USDA-FS. The concessionaire collects daily recreation use data at this site and provides it to the USDA-FS. The daily use data was reviewed by PCWA and used to estimate recreation use. The results are summarized below, organized by season.

Estimated Recreation Use at Lewis Campground (in RVDs)

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 - Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
2,894	0	76	2,970

As indicated, use was highest during the summer period. According to the Forest Service records, no use occurred during the fall period. However, it is not clear whether this is because there was no use or because use was not recorded during this period. The last recorded use at this site occurred on September 2nd, 2007. The first recorded use in 2008 occurred on May 23rd, when eight sites were occupied. Therefore, all of the recreation use recorded during the winter/spring period occurred on May 23rd.

User Characteristics

A total of 46 people who camped at Lewis Campground completed Section A-1 (Background Information) and Section A-2 (Camping at a Developed Facility) of the REC 2 – Recreation Visitor Survey instrument. The results of these 46 people were tabulated for analysis and are summarized in Tables C-12 and C-13 of Appendix C, respectively, by survey question. Select results are discussed below.

Recreation Activities

Survey participants were asked to identify the activities they engaged in during their visit. Multiple responses were accepted. All 46 people intercepted at Lewis Campground answered this question, with the following results:

- Camping at a developed site – 100% (46 people)
- Reservoir recreation – 50.0% (23 people)
- Fishing – 47.8% (22 people)

All other responses were less than 3% and are summarized on Table C-12.

Vehicle Type

Survey participants were asked to identify the type of vehicle they used to drive to the area. A total of 44 people answered this question. The majority of people (88.6%) identified “car/SUV/Truck.” Four people (9.1%) identified “camper/RV” and one person identified a van.

Number of People in Vehicle

Survey participants were asked how many people were in their vehicle. A total of 45 people answered this question. The average number of people per vehicle was 2.8, with a standard deviation of 1.2.

Group Age Categories

Survey participants were asked how many people in their group were under 18 or over 18. A total of 45 people provided sufficient information to analyze. Based on the information provided, 66.7% of the people in each group were 18 or over and 33.3% were under 18.

Residence/Area of Origin

Survey participants were asked to identify their place of residence by zip code. A total of 46 people answered this question. The majority of respondents reside in the following three counties. All other responses were <9% and are summarized on Table C-12.

- Sacramento County – 28.3%
- Placer County – 26.1%
- Santa Cruz County – 17.4%

Respondent's Age

Survey participants were asked the year they were born. A total of 41 people answered this question. The responses to this question were used to determine the average age of the survey participants, which was 41.8, with a standard deviation of 12.8.

Ethnicity

Survey respondents were asked to identify the cultural or ethnic group they most closely identify with. A total of 44 respondents answered this question, with the following results. The majority (86.4%) of respondents were White/Caucasian. Other responses included: Hispanic or Latino (4.5%), American Indian or Alaskan Native and black/African American (both 2.3%), and other/multiracial (4.5%).

Primary Language

Survey participants were asked to identify their primary spoken language. A total of 42 people answered this question. All of the respondents identified English as their primary spoken language.

Reasons for Visiting the Area

Survey participants were asked to identify the main reason they chose to visit the area. After excluding invalid responses, a total of 23 responses were analyzed, with the following results.

- The most frequent responses were “scenic quality of the area” (47.8%) and “lack of crowding” (30.4%).
- Other responses included: “access to lake/reservoir”, “close to home”, and “recreational activities/opportunities in the area” (all 4.3%), and “other” (8.7%).

Survey participants were also asked to specify any number of secondary reasons for visiting the area. A total of 23 people properly answered this question. Multiple responses were accepted.

- The most frequent response was “lack of crowding” (43.5%).
- Other responses included, in order of response rate: “access to lake/reservoir” (34.8%), “close to home”, “recreational activities/opportunities in the area”, and “scenic quality of the area” (all 17.4%), “access to river/stream” (13.0%), and “cost of facility access fee” and “other” (both 4.3%).

Primary and Secondary Activities

Survey participants were asked to identify the activities they engaged in, or expected to engage in, during their trip. They were instructed to check one main activity and one or more secondary activities. The primary and secondary activities identified by the survey respondents are tabulated on Table C-12 and summarized below.

- A total of 20 people identified one main activity. The most frequent response was “camping in developed sites” (60.0%) followed by “hiking/walking” (15.0%).
- A total of 20 people identified one or more secondary activities. The most frequent responses were “reservoir fishing” (60.0%) and “hiking/walking” (45.0%).

Number of Nights Camping

Respondents were asked how many nights they would be camping during their visit. A total of 45 people answered this question. The responses to this question were used to determine the average number of nights that respondents camped, which was 3.8, with a standard deviation of 3.2.

Facility Assessment

An inventory of the amenities and features associated with Lewis Campground, including a condition assessment, was conducted on September 4, 2008 in consultation with a TNF representative. In addition, a detailed survey of the access road and the campground loop roads was conducted on August 12, 2008. The facility inventory is included in Appendix K-1 and photographs of select facility features are included in Appendix K-2. The detailed road survey results are provided in Tables REC 1-11 and REC 1-12. A brief overview of facility elements is provided in the following.

Entrance Road, Fee Station, and Loop Roads

Lewis Campground is accessible from Forest Road 42.2. This road extends from FR 96 to the McGuire Boat Ramp and is referred to in this report as the French Meadows

Reservoir North Shore Access Road. Access within the campground is facilitated via a short entrance/exit road and two loop roads. The entrance and loop roads are paved and are generally in good condition. A new double swing gate is located near the entrance/exit and is closed during the winter and early spring to prevent access. Detailed information about the access and loop roads, including drainage features, is provided in Tables REC 1-11 and REC 1-12, organized by segment.

The self-service fee station is located near the entrance, delineated by a rock boundary. The surface of the fee station area is comprised of crushed rock and is level and free of obstacles. The fee station signage, fee tube, and message/fee box are all in good condition.

Campsites

Lewis Campground includes 40 campsites. Each site includes a heavy wood picnic table, a steel fire ring with adjustable grill, and a new, large bear-proof food storage locker (bear box). The tables are generally in good condition, with minor paint flaking on some. All of the bear boxes are relatively new and in good condition. Each site includes a fire ring with an adjustable fire grill. Most of the fire rings are in good condition but some are set too low, some are set too high, and some are set crooked. In addition, users have surrounded many of the fire rings with rock boulders. One fire ring has a user created rock hearth. All sites include a paved parking spur, typically delineated with a combination of wood posts, barrier bars and barrier rocks.

Three of the sites (Sites 4, 19 and 21) are designated handicap accessible. Each accessible site is identified with a blue and white sign and includes an accessible wood picnic table, an accessible fire ring, and a large bear box. In addition, Site 21 includes a pedestal cooking grill. The surfaces at these three accessible sites are comprised of crushed rock and are firm and level. The parking spurs are paved and level but the Site 4 and 19 spurs are too narrow to meet accessibility standards.

Campground Amenities

The campground includes two double-unit vault bathrooms and two double-unit bathrooms with flush toilets and sinks. Both of the vault bathrooms are wood structures and are generally in good condition, with the exception of dry rot along the roof eaves. Neither of the vault bathrooms is accessible due to narrow entrance widths and level changes. Both of the bathroom structures with flush toilets and sinks are constructed of wood and are generally in good condition. One of the bathrooms (#1) was retrofitted to meet accessibility standards. The other does not meet accessibility standards.

Six bear-proof garbage bins are situated throughout the campground, two in front of bathroom #1, one next to bathroom #2, one next to bathroom #3, and two next to bathroom #4. All of the garbage bins are set on concrete slabs and are in good condition.

Potable water is available at 11 faucets situated throughout the campground. All of the faucets are constructed of upright steel pipes mounted to wood posts set in corrugated

steel drainage sumps. All of the faucets are in good condition but none are fully accessible. Accessibility varies at each location. Access to most of the faucets is difficult due to steep grades, level changes and obstacles. Only one faucet has an accessible handle.

Water Supply

Potable water is supplied to this site via the Dolly Creek Water Supply, which is referred to by the Forest Service as the French Meadows North Shore Water System. This system also serves the following sites:

- Gates Group Campground (3 sites)
- Coyote Group Campground (4 sites)
- McGuire Picnic Area
- McGuire Boat Ramp
- RV Dump Station
- French Meadows Administrative Site (13 person barracks, 3 bedroom house, 7 unit trailer park)

The water source is a 575 feet deep groundwater well. Flow is approximately 11.75 gallons per minute. Water is pumped by an electrical submersible pump powered by a propane generator. Water is pumped directly into a 20,000 gallon concrete storage tank. The distribution supply line to the facilities is a 6-inch diameter concrete asbestos fiber pipe, 2.5 miles long. The approximate location of the distribution line is shown on Map REC 1-9.

User Opinions Regarding Lewis Campground

A total of 46 people encountered at Lewis Campground completed Section A-1 (Background Information) and Section A-2 (Camping at a Developed Facility) of the REC 2 – Recreation Visitor Survey instrument. The responses of these 46 people were tabulated for analysis and are summarized on Tables C-12 and C-13, by survey question. Select results are discussed below.

Importance of Facilities and Amenities

Survey participants were asked to rate the importance of various facilities and amenities when choosing the area to recreate. The responses to this question are summarized on Table C-12 and pertinent responses are summarized below.

- 77.3% (34 of 44 people) said developed campsites are very important (36.4%) or important (40.9%). Nine people (20.5%) said developed campsites are somewhat important and one person (2.3%) said that developed campsites are not important.

- 65.9% (29 of 44 people) said flush restrooms are very important (36.4%) or important (29.5%). Eleven people (25.0%) said that flush restrooms are somewhat important and four people (9.1%) said they are not important.
- 86.1% (37 of 43 people) said drinking water is very important (51.2%) or important (34.9%). Five people (11.6%) said drinking water is somewhat important. One person (2.3%) said that drinking water is not important.
- 16.2% (6 of 37 people) said RV dump stations are very important (10.8%) or important (5.4%). Two people (5.4%) said that RV dump stations are somewhat important and the majority of people (78.4%) said RV dump stations are not important.
- 73.8% (31 of 42 people) said fishing trail access is very important (38.1%) or important (35.7%). Five people (11.9%) said fishing trail access is somewhat important and six people (14.3%) said it is not important.
- 20.0% (7 of 35 people) said that interpretative/educational exhibits/information is very important (5.7%) or important (14.3%). Six people (17.1%) said interpretative/educational exhibits/information is somewhat important and 22 people (62.9%) said is not important.

Information Resources

Survey participants were asked to rate the availability and adequacy of various information resources. The responses to this question are summarized on Table C-12 and pertinent responses are summarized below.

- 20.5% (8 of 39 people) said interpretive/educational information is acceptable. Four people (10.3%) said it is not acceptable. Twelve people (30.8%) said it is not applicable.
- 60.5% (26 of 43 people) said recreation visitor information is acceptable. Two people (4.7%) said it is not acceptable. Four people (9.3%) said it is not applicable.
- 59.0% (23 of 39 people) said safety/warning information is acceptable. Three people (7.7%) said it is not acceptable. Four people (10.3%) said it is not applicable.
- 40.0% (16 of 40 people) said reservoir water surface elevation information is acceptable. Three people (7.5%) said it is not acceptable. Seven people (17.5%) said it is not applicable.
- 20.5% (8 of 39 people) said river/stream flow information is acceptable. Five people (12.8%) said it is not acceptable. Eight people (20.5%) said it is not applicable.

Overall Recreation Experience

Survey respondents were asked to rate their overall recreation experience using a satisfaction scale.

- 97.8% (44 of 45 people) said they were either very satisfied (66.7%) or satisfied (31.1%) with their overall recreation experience.

Additional Recreation Facilities, Amenities or Opportunities

Survey respondents were asked if there are any additional recreation facilities, amenities, or opportunities that would improve their recreation experience. A total of 38 people answered this question.

- Most people (63.2%) said “no.”
- Fourteen people (36.8%) said “yes.” Eleven people provided one or more comments that fall into the following categories: picnic tables (4); more developments (3); restrooms (3); boat ramp access (1); and drinking water (1).

First Choice Campground

Respondents were asked if they were able to camp at their first choice campground, and if not, they were asked to specify their first choice. A total of 44 people answered this question.

- 95.5% (42 of 44 people) said “yes.”
- 4.5% (2 of 44 people) said “no.”
- Both respondents who answered “no” provided their first choice campgrounds, which were “Ahart Campground” and “by water.”

Method of Camping

Respondents were asked what method they used to camp. All 46 people answered this question, with the following results:

- Tent – 80.4% (37 people)
- Tent trailer – 4.3% (2 people)
- Trailer 25-35 feet – 4.3% (2 people)

All other responses were less than 3% and are summarized on Table C-13.

Campground Factors

Survey respondents were asked to rate various factors concerning the campground they stayed in. The responses to this question are summarized on Table C-13 and pertinent responses are summarized below.

- 95.6% (43 of 45 people) said campsite availability is acceptable.
- 97.8% (45 of 46 people) said campsite condition is acceptable.
- 95.7% (44 of 46 people) said campsite cleanliness is acceptable.
- 90.5% (38 of 42 people) said adequacy of campsite screening is acceptable.
- 97.8% (45 of 46 people) said adequacy of campsite shading is acceptable.

- 80.4% (37 of 46 people) said restroom condition is acceptable. Three people (6.5%) said it is not acceptable.
- 84.8% (39 of 46 people) said restroom cleanliness is acceptable. Three people (6.5%) said it is not acceptable.
- 67.4% (29 of 43 people) said drinking water availability is acceptable. Six people (14.0%) said it is not acceptable.
- 89.1% (41 of 46 people) said trash disposal is acceptable. One person (2.2%) said it is not acceptable.
- 93.5% (43 of 46 people) said parking availability is acceptable.
- 97.8% (44 of 45 people) said parking area condition is acceptable.
- 93.5% (43 of 46 people) said adequacy of food storage lockers is acceptable.
- 100% (46 people) said condition of food storage lockers is acceptable.
- 88.6% (39 of 44 people) said parking spur size is acceptable.
- 100% (45 people) said road condition in campground is acceptable.
- 100% (44 people) said adequacy of road size in campground is acceptable.
- 67.4% (31 of 46 people) said cost of campground fee is acceptable. One person (2.2%) said it is not acceptable.
- 76.2% (32 of 42 people) said adequacy of law enforcement personnel is acceptable.

Adequate Services and Facilities

Survey respondents were asked if the services and/or facilities at the campground were adequate for any physically impaired person in their party. A total of 43 people answered this question. People who answered “no” were asked to explain their answer.

- The majority of respondents (62.8%) said that the question was not applicable.
- Fourteen people (32.6%) said “yes.”
- Two respondents (4.7%) said “no”, but did not explain their answers.

Recreation Experience Affected by Other Factors

Survey respondents were asked if their recreation experience was negatively affected by crowding or other activities taking place. People who answered “yes” were asked to explain their answer.

- 97.7% of the respondents (42 of 43 people) said that they were not affected by crowding.
- 97.2% of the respondents (35 of 36 people) said that they were not affected by other activities taking place.
- The respondent that was negatively affected by other activities taking place provided an explanation, as follows: “big parties/groups.”

Overall Recreation Experience at Campground

Survey respondents were asked to rate their overall recreation experience at the specified campground using a satisfaction scale.

- 100% (46 people) said they were either very satisfied (73.9%) or satisfied (26.1%) with their overall recreation experience at Lewis Campground.

6.2.4 Poppy Campground

Poppy Campground is located on the north shore of French Meadows Reservoir. The campground is accessible via a .75 mile long trail or by boat. The campground includes 12 sites, although two (Sites 11 and 12) are difficult to find. Each campsite includes one heavy wood table and one concrete fire pit with a steel grill. Two single-unit pit toilets are available in the center of the campground. Potable water is not available. None of the sites are disabled accessible.

Existing Recreation Use

The USDA-FS does not collect recreation use data at this site. Therefore, recreation use was estimated using vehicle count data collected by PCWA. This site is a hike-in campground. As such, vehicle counts were conducted at the Poppy Campground Trailhead parking area, where hike-in campers would park. The results are summarized below, organized by season. More detailed data for this site, including weekend, weekday, and holiday use, is provided in Appendix B.

Estimated Recreation Use at Poppy Campground (in RVDs)

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 – Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
301.6	33.6	0	335

As indicated, use ranged from no use during the winter and spring seasons to 301.6 RVDs during the summer season. The heaviest use occurred during the summer. In general, recreation use at this site peaks during the summer and declines through the fall when the area becomes inaccessible due to snow. The Poppy Campground Trailhead Parking area was inaccessible for vehicle counts due to snow from December 1, 2007 through May 9, 2008.

User Characteristics

A total of six people who camped at Poppy Campground completed Section A-1 (Background Information) and Section A-2 (Camping at a Developed Facility) of the REC 2 – Recreation Visitor Survey instrument. These six people were encountered either in Poppy Campground or in the Poppy Campground Trailhead parking area. The results of these six people were tabulated for analysis and are summarized in Tables C-

14 and C-15 of Appendix C, respectively, by survey question. Select results are discussed below.

Recreation Activities

Survey participants were asked to identify the activities they engaged in during their visit. Multiple responses were accepted. All six people intercepted at Poppy Campground answered this question, with the following results:

- Camping at a developed site – 100% (6 people)
- Reservoir recreation – 83.3% (5 people)
- Fishing – 16.7% (1 person)

Vehicle Type

Survey participants were asked to identify the type of vehicle they used to drive to the area. All six people answered this question and identified “car/SUV/Truck” as their transportation to the area.

Number of People in Vehicle

Survey participants were asked how many people were in their vehicle. All six people answered this question. The average number of people per vehicle was 2.2, with a standard deviation of 0.4.

Group Age Categories

Survey participants were asked how many people in their group were under 18 or over 18. All six people provided sufficient information to analyze. Based on the information provided, 100% of the people in each group were 18 or over.

Residence/Area of Origin

Survey participants were asked to identify their place of residence by zip code. All six people answered this question and reside in the following three counties.

- Placer County – 66.7%
- Sacramento County – 16.7%
- Yolo County – 16.7%

Respondent's Age

Survey participants were asked the year they were born. All six people answered this question. The responses to this question were used to determine the average age of the survey participants, which was 26.2, with a standard deviation of 11.3.

Ethnicity

Survey respondents were asked to identify the cultural or ethnic group they most closely identify with. All six respondents answered this question, with the following results. The

majority (83.3%) of respondents were White/Caucasian. One respondent (16.7%) identified themselves as Hispanic or Latino.

Primary Language

Survey participants were asked to identify their primary spoken language. All six people answered this question. All of the respondents identified English as their primary spoken language.

Reasons for Visiting the Area

Survey participants were asked to identify the main reason they chose to visit the area. After excluding invalid responses, a total of four responses were analyzed, with the following results.

- Responses included: “access to lake/reservoir”, “close to home”, “lack of crowding”, and “recreational activities/opportunities in the area” (all 25.0%).

Survey participants were also asked to specify any number of secondary reasons for visiting the area. A total of four people properly answered this question. Multiple responses were accepted.

- The most frequent response was “lack of crowding” (50.0%).
- Other responses included: “access to lake/reservoir”, “close to home”, “cost of facility access fee”, and “recreational activities/opportunities in the area” (all 25.0%).

Primary and Secondary Activities

Survey participants were asked to identify the activities they engaged in, or expected to engage in, during their trip. They were instructed to check one main activity and one or more secondary activities. The primary and secondary activities identified by the survey respondents are tabulated on Table C-14 and summarized below.

- A total of three people identified one main activity. The most frequent response was “camping in developed sites” (66.7%) followed by “other” (33.3%).
- A total of three people identified one or more secondary activities. The most frequent responses were “non-motorized reservoir boating”, “relaxing”, and “reservoir swimming/water-play/sun bathing” (all 100%).

Number of Nights Camping

Respondents were asked how many nights they would be camping during their visit. All six people answered this question. The responses to this question were used to determine the average number of nights that respondents camped, which was 2.2, with a standard deviation of 0.4.

Facility Assessment

An inventory of the amenities and features associated with Poppy Campground, including a condition assessment, was conducted on July 24, 2008 in consultation with

a TNF representative. In addition, a detailed road survey was conducted on August 8, 2008. The facility inventory is included in Appendix L-1 and photographs of select facility features are included in Appendix L-2. The road survey results are summarized on Tables REC 1-11 and REC 1-12. A brief overview of facility elements is provided in the following.

Access Road

Poppy Campground is a boat-in/hike-in campground. The Poppy Campground Trailhead parking area is located immediately north of McGuire Boat Ramp and is accessible via a short (158 feet long) access road that extends from the French Meadows Reservoir North Shore Access Road to the parking area. The access road is paved and generally in fair to good condition.

Parking Area and Support Facilities

The parking area is approximately 10,000 square feet, roughly rectangular in shape. The surface of the lot is aggregate on native soil and is in good condition. The northwest boundary of the parking lot is delineated with a post and cable fence (7 posts). Eight large barrier rocks separate the parking area from the adjacent bathroom.

A bathroom facility with flush toilets and sinks is situated adjacent to the southwest boundary of the parking area. This bathroom has a wood exterior. The interior is separated into male and female sections. The female side includes two toilets and two sinks. The male side includes one toilet, one urinal, and two sinks. Both the exterior and interiors are in fair condition, meaning they are functional but do not meet current USDA-FS standards. The bathroom is not disabled accessible, but according to the USDA-FS it is possible to retrofit this type of bathroom to meet accessibility standards.

A bear proof garbage container (2 bin) is located adjacent to the bathroom. In addition, potable water is available at two faucets located behind the bathroom. The faucets are active and in good condition. The handles are accessible but the sump/drains are set above grade and are therefore not accessible.

Campsites

This campground consists of 12 campsites. Each campsite includes a heavy wood picnic table and a concrete fire pit with a steel grill. The heavy wood tables are generally in fair condition, with flaking paint, graffiti, and split tables or benches. Several are badly damaged and in poor condition. According to the Forest Service, the concrete fire pits with steel grills were designed in the 1960s and are outdated. With one exception, they are in good condition. The fire pits do not appear to be used. Most have large rock extensions suggesting users build their own, more functional fire pits.

In general, all of the campsites are in poor condition. All of the sites have many obstacles including large rocks and boulders and heavy forest debris, including large fallen branches and limbs. None of the sites are disabled accessible due to excessive slopes, level changes, and substantial obstacles.

Two of the sites (Sites 11 and 12) are located upslope from the rest of the units and are difficult to find due to heavy timber and the absence of a well defined trail. There is no evidence that either of these sites has been recently used. Site 5, located near the reservoir, appears to have been recently used as a homeless camp and is heavily littered. Among other things, litter includes old clothes, sleeping bags, towels, and a pile of discarded glass bottles, aluminum cans, plastic bottles, and cans.

Campground Amenities

The only amenities at this campground are two single-unit pit toilets. The toilets are situated near the center of the campground, side-by-side. One is designated for men and the other for women. Both are painted wood structures in poor condition. Neither meets accessibility standards due to a high step from the ground surface to the bathroom, and the narrow width of entrance and stall. In addition, heavy forest debris, fallen limbs and large rock obstacles impede the access route.

The campground is managed as a “pack-it-in, pack-it-out” campground. Therefore, there are no garbage containers in the campground. Potable water is not available in the campground so there are no faucets.

Water Supply

Potable water is supplied to the flush toilets and faucets in the Poppy Campground Trailhead Parking area via the Dolly Creek Water Supply, which is referred to by the Forest Service as the French Meadows North Shore Water System. This system also serves Gates Group CG, Coyote Group CG, Lewis CG, McGuire Picnic Area, an RV dump station, and a USDA-FS administrative site (Map REC 1-9).

User Opinions Regarding Poppy Campground

A total of 6 people who camped at Poppy Campground completed Section A-1 (Background Information) and Section A-2 (Camping at a Developed Facility) of the REC 2 – Recreation Visitor Survey instrument. The responses of these 6 people were tabulated for analysis and are summarized on Tables C-14 and C-15, by survey question. Select results are discussed below.

Importance of Facilities and Amenities

Survey participants were asked to rate the importance of various facilities and amenities when choosing the area to recreate. The responses to this question are summarized on Table C-14 and pertinent responses are summarized below.

- 33.3% (2 of 6 people) said developed campsites are very important (16.7%) or important (16.7%). Three people (50.0%) said developed campsites are somewhat important and one person (16.7%) said that developed campsites are not important.
- 16.7% (1 of 6 people) said flush restrooms are important. Two people (33.3%) said that flush restrooms are somewhat important and three people (50.0%) said they are not important.

- 16.7% (1 of 6 people) said drinking water is very important. One person (16.7%) said drinking water is somewhat important. Four people (66.7%) said that drinking water is not important.
- 16.7% (1 of 6 people) said RV dump stations are very important. The majority of people (83.3%) said RV dump stations are not important.
- 66.7% (4 of 6 people) said fishing trail access is very important (16.7%) or important (50.0%). One person (16.7%) said fishing trail access is somewhat important and one person (16.7%) said it is not important.
- 20.0% (1 of 5 people) said that interpretative/educational exhibits/information is very important. One person (20.0%) said interpretative/educational exhibits/information is somewhat important and three people (60.0%) said is not important.

Information Resources

Survey participants were asked to rate the availability and adequacy of various information resources. The responses to this question are summarized on Table C-14 and pertinent responses are summarized below.

- 40.0% (2 of 5 people) said interpretive/educational information is acceptable. Three people (60.0%) said it is not applicable.
- 60.0% (3 of 5 people) said recreation visitor information is acceptable. Two people (40.0%) said it is not applicable.
- 60.0% (3 of 5 people) said safety/warning information is acceptable. Two people (40.0%) said it is not applicable.
- 20.0% (1 of 5 people) said reservoir water surface elevation information is acceptable. Two people (40.0%) said it is not applicable.
- 20.0% (1 of 5 people) said river/stream flow information is acceptable. Two people (40.0%) said it is not applicable.

Overall Recreation Experience

Survey respondents were asked to rate their overall recreation experience using a satisfaction scale.

- 100.0% (6 people) said they were either very satisfied (83.3%) or satisfied (16.7%) with their overall recreation experience.

Additional Recreation Facilities, Amenities or Opportunities

Survey respondents were asked if there are any additional recreation facilities, amenities, or opportunities that would improve their recreation experience. A total of four people answered this question.

- All respondents (100.0%) said “no.”

First Choice Campground

Respondents were asked if they were able to camp at their first choice campground, and if not, they were asked to specify their first choice. All six people answered this question, and 100% said “yes.”

Method of Camping

Respondents were asked what method they used to camp. All 6 people answered this question, with the following results:

- Tent – 100% (6 people)

Campground Factors

Survey respondents were asked to rate various factors concerning the campground they stayed in. The responses to this question are summarized on Table C-15 and pertinent responses are summarized below.

- 100.0% (6 people) said campsite availability is acceptable.
- 83.3% (5 of 6 people) said campsite condition is acceptable.
- 100.0% (6 people) said campsite cleanliness is acceptable.
- 75.0% (3 of 4 people) said adequacy of campsite screening is acceptable.
- 100.0% (6 people) said adequacy of campsite shading is acceptable.
- 25.0% (1 of 4 people) said restroom condition is acceptable.
- 25.0% (1 of 4 people) said restroom cleanliness is acceptable.
- 25.0% (1 of 4 people) said drinking water availability is acceptable. One person (25.0%) said it is not acceptable.
- 20.0% (1 of 5 people) said trash disposal is acceptable. Two people (40.0%) said it is not acceptable.
- 100.0% (5 people) said parking availability is acceptable.
- 100.0% (4 people) said parking area condition is acceptable.
- 0% (0 of 4 people) said adequacy of food storage lockers is acceptable. Three people (75.0%) said it is not acceptable.
- 0% (0 of 4 people) said condition of food storage lockers is acceptable. Three people (75.0%) said it is not acceptable.
- 100.0% (5 people) said parking spur size is acceptable.
- 80.0% (4 of 5 people) said road condition in campground is acceptable.
- 50.0% (2 of 4 people) said adequacy of road size in campground is acceptable.
- 80.0% (4 of 5 people) said cost of campground fee is acceptable. One person (20.0%) said it is not acceptable.
- 100.0% (3 people) said adequacy of law enforcement personnel is acceptable.

Adequate Services and Facilities

Survey respondents were asked if the services and/or facilities at the campground were adequate for any physically impaired person in their party. A total of five people answered this question. People who answered “no” were asked to explain their answer.

- The majority of respondents (60.0%) said that the question was not applicable.
- Two people (40.0%) said “yes.”

Recreation Experience Affected by Other Factors

Survey respondents were asked if their recreation experience was negatively affected by crowding or other activities taking place. People who answered “yes” were asked to explain their answer.

- 100.0% of the respondents (6 people) said that they were not affected by crowding.
- 100.0% of the respondents (6 people) said that they were not affected by other activities taking place.

Overall Recreation Experience at Campground

Survey respondents were asked to rate their overall recreation experience at the specified campground using a satisfaction scale.

- 100% (6 people) said they were very satisfied with their overall recreation experience at Poppy Campground.

6.2.5 Coyote Group Campground

Coyote Group Campground is located east of French Meadows Reservoir, on the north side of the Middle Fork American River. The campground includes four group camp sites referred to as follows:

- Prairie Wolf;
- Brush Wolf;
- Little Wolf; and
- Black Bear.

Prairie Wolf, Brush Wolf, and Little Wolf are located in the same general area and are accessible via FR-96. Black Bear is separated from the other sites and accessible via the North Shore Access Road (42.2), off of FR-96.

Each campsite includes heavy wood picnic and serving tables, handicap accessible double pedestal grills, large bear boxes, bear-proof garbage bins, a group fire ring with benches, vault toilets, and water faucets. In addition, a handicap accessible bathroom with flush toilets is available at Black Bear. None of the sites are designated as disabled accessible. The sites may be used by reservation only.

Existing Recreation Use

This site is operated and maintained by a concessionaire under contract with the USDA-FS. Data is not collected daily by the concessionaire, but compiled based on revenues collected. Seasonal recreation use was estimated by the concessionaire (American Land and Leisure) based on revenue. American Land and Leisure provided the data to PCWA. PCWA utilized the data in combination with group size estimates derived from the REC 2 – Recreation Visitor Surveys to estimate recreation use. The results are summarized below, organized by season.

Estimated Recreation Use at Coyote Group Campground (in RVDs)

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 – Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
5,508	-	648	6,156

Note that the concessionaire did not provide PCWA with specific data for the fall period. Based on anecdotal information provided by the concessionaire, it appears that Coyote Group Campground was not reserved (i.e., not used) during the fall period. Based on the concessionaire records, all of the use that occurred during the winter/spring period was recorded between May 20 and May 23, 2008.

User Characteristics

A total of 20 people who camped at Coyote Group Campground completed Section A-1 (Background Information) and Section A-2 (Camping at a Developed Facility) of the REC 2 – Recreation Visitor Survey instrument. The results of these 20 surveys were tabulated for analysis and are summarized in Tables C-16 and C-17 of Appendix C, respectively, by survey question. Select results are discussed below.

Recreation Activities

Survey participants were asked to identify the activities they engaged in during their visit. Multiple responses were accepted. All 20 people intercepted at Coyote Group Campground answered this question, with the following results:

- Camping at a developed site – 100% (20 people)
- Reservoir recreation – 60.0% (12 people)
- Fishing – 40.0% (8 people)

All other responses were $\leq 10\%$ and are summarized on Table C-16.

Vehicle Type

Survey participants were asked to identify the type of vehicle they used to drive to the area. A total of 19 people answered this question. The majority of people (94.7%) identified “car/SUV/Truck” and one person (5.3%) identified “camper/RV.”

Number of People in Vehicle

Survey participants were asked how many people were in their vehicle. A total of 19 people answered this question. The average number of people per vehicle was 3.7, with a standard deviation of 1.7.

Group Age Categories

Survey participants were asked how many people in their group were under 18 or over 18. A total of 17 people provided sufficient information to analyze. Based on the information provided, 65.6% of the people in each group were 18 or over and 34.4% were under 18.

Residence/Area of Origin

Survey participants were asked to identify their place of residence by zip code. A total of 18 people answered this question. The majority of respondents reside in the following two counties. All other responses were <6% and are summarized on Table C-16.

- Sacramento County – 55.6%
- Placer County – 22.2%

Respondent's Age

Survey participants were asked the year they were born. A total of 15 people answered this question. The responses to this question were used to determine the average age of the survey participants, which was 37.5, with a standard deviation of 14.7.

Ethnicity

Survey respondents were asked to identify the cultural or ethnic group they most closely identify with. A total of 19 respondents answered this question, with the following results. The majority (63.2%) of respondents were White/Caucasian. Other responses included: Asian (26.3%) and other/multiracial (10.5%).

Primary Language

Survey participants were asked to identify their primary spoken language. A total of 17 people answered this question. The majority of respondents (70.6%) identified English as their primary spoken language. Other responses included: Hmong (17.6%), Russian (5.9%), and one person (5.9%) identified both Hmong and English as their primary spoken languages.

Reasons for Visiting the Area

Survey participants were asked to identify the main reason they chose to visit the area. After excluding invalid responses, a total of 13 responses were analyzed, with the following results.

- The most frequent response was “close to home” (30.8%) followed by “access to lake/reservoir” and “lack of crowding” (both 23.1%).

- Other responses included, in order of response rate: “scenic quality of the area” (15.4%), and “recreational activities/opportunities in the area” (7.7%).

Survey participants were also asked to specify any number of secondary reasons for visiting the area. A total of 14 people properly answered this question. Multiple responses were accepted.

- The most frequent response was “access to lake/reservoir” (42.9%), followed by “scenic quality of the area” (35.7%).
- Other responses included, in order of response rate: “access to river/stream” (21.4%), “close to home”, “cost of facility access fee”, and “recreational activities/opportunities in the area” (all 14.3%), and “lack of crowding” (7.1%).

Primary and Secondary Activities

Survey participants were asked to identify the activities they engaged in, or expected to engage in, during their trip. They were instructed to check one main activity and one or more secondary activities. The primary and secondary activities identified by the survey respondents are tabulated on Table C-16 and summarized below.

- A total of nine people identified one main activity. The most frequent response was “camping in developed sites” (44.4%).
- A total of nine people identified one or more secondary activities. The most frequent responses were “reservoir fishing” (55.6%), “relaxing”, and “reservoir swimming/water-play/sun bathing” (both 44.4%).

Number of Nights Camping

Respondents were asked how many nights they would be camping during their visit. All 20 people answered this question. The responses to this question were used to determine the average number of nights that respondents camped, which was 3.1, with a standard deviation of 1.2.

Facility Assessment

An inventory of the amenities and features associated with Coyote Group Campground, including a condition assessment, was conducted on July 24, 2008. In addition, a detailed survey of the access roads and the campground loop roads was conducted on July 30 and August 13, 2008. The facility inventory is included in Appendix M-1 and photographs of select facility features are included in Appendix M-2. The detailed road survey results are provided in Table REC 1-11 and REC 1-12. A brief overview of the facility elements is provided in the following.

Entrance Road and Loop Roads

Three of the group camp sites, Little Wolf, Brush Wolf, and Prairie Wolf are located in the same general area and are accessible via the same access road, referred to for purposes of this assessment as the Little Wolf and Brush Wolf Main Access Road. This road is 1,003 feet long and extends from FR-96, past Little Wolf Campground, to Brush

Wolf Campground. A secondary road (686 feet long) provides access from this road to the Prairie Wolf Campground. Black Bear campground is not accessible via these access roads. Black Bear campground is located off of the North Shore Access Road (42.2). The configuration of the access and loop roads are shown on Map REC 1-14.

The access and loop roads to all of the Coyote Group camp sites are paved and in good condition. Parking includes both long stalls for RVs and trailers, and shorter stalls for regular vehicles. All of the parking areas are paved, striped and in good condition, although some of the striping has faded. Most of the parking stalls are delineated by PTDF posts, bars, and barrier rocks, all in good condition. The Black Bear parking areas are delineated with barrier rock.

The group sites may only be used on a reservation basis. Four gates are used to prohibit access to sites that are not reserved. One gate, a double swing gate, is located at the intersection of FR-96 and the Little Wolf and Brush Wolf Main Access Road. Another double swing gate is located at the intersection of the North Shore Access Road (42.2) and the Black Bear Access Road. Both of these gates are constructed of painted steel and both are in good condition. However, the caution signage on both of these gates is in fair condition due to peeling paint.

Two single gates prevent vehicular access to the Prairie Wolf Campground and the Brush Wolf Campground when these campgrounds are not reserved. Both of these gates are single swing gates constructed of painted steel. The Prairie Wolf gate was installed in October 2006 and the Brush Wolf gate was installed in September 2002. Both gates are in good condition.

Black Bear Group Camp

Black Bear is the largest of the Coyote Group camps and can accommodate 50 persons at one time (PAOT). Overall, the campground is in good condition. However, the campground vegetation has not been well maintained and excessive brush, mainly tall grasses, obstructs the travel paths and access to some of the site features. The site is not handicap accessible but according the Forest Service, it is feasible to make this site fully accessible. The campground includes the following primary features:

- 2 double-bin bear-proof garbage containers. These were installed in 1999 and are in good condition. Both are set on concrete pads. A standard plastic trash can is set between the 2 bear proof garbage containers.
- 1 double-unit bathroom with flush toilets and sinks. This bathroom includes a male and female side. The female side includes two toilets and a sink. The male side includes a toilet, a urinal, and a sink. This bathroom was retrofitted to be accessible. It is generally in good condition. However, the entrance area is slightly eroded, which has created a low lip at the edge of the concrete entrance. In addition, bear scratches are present on the door. According to the Forest Service, people sometimes store food in the bathrooms, which draws bears.
- 2 faucets – Neither is handicap accessible.

- 2 double, accessible pedestal grills - These were installed in 2001 and are in good condition.
- 3 large bear boxes – The bear boxes were installed in 2002 and are in good condition. Two are set on concrete pads.
- 7 picnic tables and 4 serving tables – All of the tables are constructed of heavy wood and painted brown. They are all in good condition, with minor paint flaking. None are disabled accessible. This site is supposed to have 8 picnic tables but one is missing.
- 1 group fire ring – This fire ring was installed in 1966. It is constructed of corrugated steel surrounded by rocks.
- 6 new benches – The group fire ring is surrounded by 6 new benches that were installed in 2006. Each bench is constructed of heavy wood on steel posts set in the ground.
- 7 old benches – Seven old painted wood benches are present at the site, five around the group fire ring and two in the kitchen area at an old, smaller fire ring. The wood benches are in poor to fair condition. Most are set too low and are in need of sanding and paint. People appear to move these benches around the site.
- 1 small fire ring – This fire ring is located in the kitchen area. It is constructed of corrugated steel and is about 16-inches high.

Brush Wolf Group Camp

Brush Wolf can accommodate 25 persons at one time (PAOT). Overall, the campground is in good condition. The kitchen and fire pit areas are relatively level and clear of obstacles. The campground includes the following primary features:

- 2 double-bin bear-proof garbage containers. These were installed in 1999 and are in good condition. Both are set on concrete pads.
- 1 double-unit, vault bathroom. The bathroom is generally in good condition but is outdated. It does not meet accessibility standards due to a high step and narrow entrance and stall widths. Vegetation and small rocks obstruct access to the bathroom.
- 2 faucets – One faucet has an accessible handle. Otherwise, they are not handicap accessible.
- 1 double, accessible pedestal grills – The grill was installed in 2002 and is in good condition.
- 2 large bear boxes – The bear boxes were installed in 2002 and are in good condition. One is set on a concrete pad.
- 4 picnic tables and 3 serving tables – All of the tables are constructed of heavy wood and painted brown. They are all in good condition, with the exception of one table, which is damaged. None are disabled accessible.

- 1 group fire ring – This fire ring was installed in 1966, and is surrounded by rock.
- 5 new benches – The group fire ring is surrounded by 5 new benches that were installed in 2006. Each bench is constructed of heavy wood on steel posts set in the ground.
- 5 old benches – Five old painted wood benches are present at the site, around the group fire ring. The wood benches are in poor to fair condition. Most are set too low and are in need of sanding and paint.

Little Wolf Group Camp

Little Wolf can accommodate 25 persons at one time (PAOT). Overall, the campground is in good condition. The kitchen and fire pit areas are relatively level and clear of obstacles. However, there are three steps between the parking area and the campsite. The campground includes the following primary features:

- 2 double-bin bear-proof garbage containers. These were installed in 1999 and are in good condition.
- 1 double-unit, vault bathroom. The bathroom is generally in good condition but is outdated. It does not meet accessibility standards due to a high step and narrow entrance and stall widths.
- 2 faucets – One faucet has an accessible handle. Otherwise, they are not handicap accessible.
- 1 double, accessible pedestal grill – The grill was installed in 2002 and is in good condition.
- 2 large bear boxes – The bear boxes were installed in 2002 and are in good condition. Both are set on a concrete pad.
- 4 picnic tables and 3 serving tables – All of the tables are constructed of heavy wood and painted brown. They are all in good condition.
- 1 group fire ring – This fire ring was installed in 1966, and is surrounded by rock.
- 5 new benches – The group fire ring is surrounded by 5 new benches that were installed in 2006. Each bench is constructed of heavy wood on steel posts set in the ground.

Prairie Wolf Group Camp

Prairie Wolf can accommodate 25 persons at one time (PAOT). Overall, the campground is in good condition. However, bedrock outcrops and presence of large rocks generally obstruct travel paths across the site. Overall, this site would be difficult to make accessible without substantially altering the landscape. The campground includes the following primary features:

- 2 double-bin bear-proof garbage containers. These were installed in 1999 and are in good condition.

- 1 double-unit, vault bathroom. The bathroom is generally in good condition but is outdated. It does not meet accessibility standards due to a high step and narrow entrance and stall widths. In addition, the access path is narrow.
- 2 faucets – One faucet has an accessible handle. Otherwise, they are not handicap accessible.
- 1 double, accessible pedestal grill – The grill was installed in 2002 and is in good condition.
- 2 large bear boxes – The bear boxes were installed in 2002 and are in good condition. Both are set on a concrete pad.
- 4 picnic tables and 3 serving tables – All of the tables are constructed of heavy wood and painted brown. They are all in good condition.
- 1 group fire ring – This fire ring was installed in 1966. It is constructed of corrugated steel and set about 16 inches above grade.
- 5 old benches – The group fire ring is surrounded by 5 old style benches that were placed at the site in 1966. Each bench is constructed of painted heavy wood. Four are in fair condition. One is missing half and has been moved away from the fire pit. According to the Forest Service, it is not possible to install new benches around the fire ring at this site due to the presence of shallow bedrock.

User Opinions Regarding Coyote Group Campground

A total of 20 people encountered at Coyote Group Campground completed Section A-1 (Background Information) and Section A-2 (Camping at a Developed Facility) of the REC 2 – Recreation Visitor Survey instrument. The responses of these 20 people were tabulated for analysis and are summarized on Tables C-16 and C-17, by survey question. Select results are discussed below.

Importance of Facilities and Amenities

Survey participants were asked to rate the importance of various facilities and amenities when choosing the area to recreate. The responses to this question are summarized on Table C-16 and pertinent responses are summarized below.

- 72.2% (13 of 18 people) said developed campsites are very important (44.4%) or important (27.8%). Three people (16.7%) said developed campsites are somewhat important and two people (11.1%) said that developed campsites are not important.
- 47.3% (9 of 19 people) said flush restrooms are very important (36.8%) or important (10.5%). Seven people (36.8%) said that flush restrooms are somewhat important and three people (15.8%) said they are not important.
- 68.8% (11 of 16 people) said drinking water is very important (43.8%) or important (25.0%). Five people (31.2%) said drinking water is somewhat important.

- 13.4% (2 of 15 people) said RV dump stations are very important (6.7%) or important (6.7%). Five people (33.3%) said that RV dump stations are somewhat important and the majority of people (53.3%) said RV dump stations are not important.
- 70.6% (12 of 17 people) said fishing trail access is very important (29.4%) or important (41.2%). Three people (17.6%) said fishing trail access is somewhat important and two people (11.8%) said it is not important.
- 0% (0 of 14 people) said that interpretative/educational exhibits/information is very important or important. Five people (35.7%) said interpretative/educational exhibits/information is somewhat important and nine people (64.3%) said is not important.

Information Resources

Survey participants were asked to rate the availability and adequacy of various information resources. The responses to this question are summarized on Table C-16 and pertinent responses are summarized below.

- 27.8% (5 of 18 people) said interpretive/educational information is acceptable. One person (5.6%) said it is not acceptable. Five people (27.8%) said it is not applicable.
- 36.8% (7 of 19 people) said recreation visitor information is acceptable. One person (5.3%) said it is not acceptable. Three people (15.8%) said it is not applicable.
- 47.1% (8 of 17 people) said safety/warning information is acceptable. One person (5.9%) said it is not acceptable. Two people (11.8%) said it is not applicable.
- 27.8% (5 of 18 people) said reservoir water surface elevation information is acceptable. Two people (11.1%) said it is not acceptable. Two people (11.1%) said it is not applicable.
- 31.6% (6 of 19 people) said river/stream flow information is acceptable. Two people (10.5%) said it is not acceptable. Five people (26.3%) said it is not applicable.

Overall Recreation Experience

Survey respondents were asked to rate their overall recreation experience using a satisfaction scale.

- 95.0% (19 of 20 people) said they were either very satisfied (35.0%) or satisfied (60.0%) with their overall recreation experience.

Additional Recreation Facilities, Amenities or Opportunities

Survey respondents were asked if there are any additional recreation facilities, amenities, or opportunities that would improve their recreation experience. A total of 13 people answered this question.

- Four people (30.8%) said “no.”
- Nine people (69.2%) said “yes.” All nine people provided comments that fall into the following categories: drinking water (5); campsite storage (2); restrooms (1); and showers (1).

First Choice Campground

Respondents were asked if they were able to camp at their first choice campground, and if not, they were asked to specify their first choice. All 20 people answered this question.

- 70.0% (14 of 20 people) said “yes.”
- 30.0% (6 of 20 people) said “no.”
- Five respondents provided their first choice campgrounds, as follows:
 - Black Bear (2)
 - Ahart Campground (1)
 - Gates Group Campground (1)
 - “Flush toilets” (1)

Method of Camping

Respondents were asked what method they used to camp. All 20 people answered this question, with the following results:

- Tent – 85.0% (17 people)
- Tent trailer – 10.0% (2 people)
- Recreational vehicle less than 25 feet – 5.0% (1 person)

Campground Factors

Survey respondents were asked to rate various factors concerning the campground they stayed in. The responses to this question are summarized on Table C-17 and pertinent responses are summarized below.

- 95.0% (19 of 20 people) said campsite availability is acceptable.
- 95.0% (19 of 20 people) said campsite condition is acceptable.
- 89.5% (17 of 19 people) said campsite cleanliness is acceptable.
- 76.5% (13 of 17 people) said adequacy of campsite screening is acceptable.
- 66.7% (12 of 18 people) said adequacy of campsite shading is acceptable.
- 55.0% (11 of 20 people) said restroom condition is acceptable. Two people (10.0%) said it is not acceptable.
- 78.9% (15 of 19 people) said restroom cleanliness is acceptable. Two people (10.5%) said it is not acceptable.

- 33.3% (6 of 18 people) said drinking water availability is acceptable. Nine people (50.0%) said it is not acceptable.
- 89.5% (17 of 19 people) said trash disposal is acceptable.
- 84.2% (16 of 19 people) said parking availability is acceptable.
- 94.7% (18 of 19 people) said parking area condition is acceptable.
- 63.2% (12 of 19 people) said adequacy of food storage lockers is acceptable. One person (5.3%) said it is not acceptable.
- 89.5% (17 of 19 people) said condition of food storage lockers is acceptable.
- 88.9% (16 of 18 people) said parking spur size is acceptable.
- 100.0% (19 people) said road condition in campground is acceptable.
- 89.5% (17 of 19 people) said adequacy of road size in campground is acceptable.
- 63.2% (12 of 19 people) said cost of campground fee is acceptable.
- 70.6% (12 of 17 people) said adequacy of law enforcement personnel is acceptable.

Adequate Services and Facilities

Survey respondents were asked if the services and/or facilities at the campground were adequate for any physically impaired person in their party. A total of 18 people answered this question. People who answered “no” were asked to explain their answer.

- The majority of respondents (61.1%) said that the question was not applicable.
- Five people (27.8%) said “yes.”
- Two respondents (11.1%) said “no”, and one respondent explained their answer as follows: “more food storage.”

Recreation Experience Affected by Other Factors

Survey respondents were asked if their recreation experience was negatively affected by crowding or other activities taking place. People who answered “yes” were asked to explain their answer.

- 100.0% of the respondents (19 people) said that they were not affected by crowding.
- 93.8% of the respondents (15 of 16 people) said that they were not affected by other activities taking place.
- The respondent that was negatively affected by other activities taking place explained their answer as follows: “no water.”

Overall Recreation Experience at Campground

Survey respondents were asked to rate their overall recreation experience at the specified campground using a satisfaction scale.

- 95.0% (19 of 20 people) said they were either very satisfied (50.0%) or satisfied (45.0%) with their overall recreation experience at Coyote Group Campground.

6.2.6 Gates Group Campground

Gates Group Campground is located east of French Meadows Reservoir, on the south side of the Middle Fork American River. The campground is accessible via FR 68, off of FR 96. The campground includes three group campgrounds referred to as follows:

- Ponderosa
- Lodgepole
- Aspen

Each campsite includes heavy wood picnic and serving tables, concrete stoves with steel grills, handicap accessible double pedestal grills, large bear boxes, bear-proof garbage bins, a group fire ring with new benches, vault toilets, and water faucets. None of the sites are designated as disabled accessible. The group sites may be used by reservation only.

Existing Recreation Use

This site is operated and maintained by a concessionaire under contract with the USDA-FS. Data is not collected daily by the concessionaire, but compiled based on revenues collected. Seasonal recreation use was estimated by the concessionaire (American Land and Leisure) based on revenue. American Land and Leisure provided the data to PCWA. PCWA utilized the data in combination with group size estimates derived from the visitor surveys to estimate recreation use. The results are summarized below, organized by season.

Estimated Recreation Use at Gates Group Campground (in RVDs)

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 – Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
6,204	-	660	6,864

Note that the concessionaire did not provide PCWA with specific data for the fall period. Based on anecdotal information provided by the concessionaire, it appears that Gates Group Campground was not reserved (i.e., not used) during the fall period. Based on the concessionaire records, all of the use that occurred during the winter/spring period was recorded between May 20 and May 23, 2008.

User Characteristics

A total of 46 people who camped at Gates Group Campground completed Section A-1 (Background Information) and Section A-2 (Camping at a Developed Facility) of the REC 2 – Recreation Visitor Survey instrument. The results of these 46 surveys were

tabulated for analysis and are summarized in Tables C-18 and C-19 of Appendix C, respectively, by survey question. Select results are discussed below.

Recreation Activities

Survey participants were asked to identify the activities they engaged in during their visit. Multiple responses were accepted. All 46 people intercepted at Gates Group Campground answered this question, with the following results:

- Camping at a developed site – 100% (46 people)
- Reservoir recreation – 54.3% (25 people)
- Day use along a stream/river – 17.4% (8 people)

All other responses were <11% and are summarized on Table C-18.

Vehicle Type

Survey participants were asked to identify the type of vehicle they used to drive to the area. A total of 45 people answered this question. The majority of people (86.7%) identified “car/SUV/Truck.” Five people (11.1%) identified “camper/RV” and one person (2.2%) said “other.”

Number of People in Vehicle

Survey participants were asked how many people were in their vehicle. A total of 45 people answered this question. The average number of people per vehicle was 2.8, with a standard deviation of 2.3.

Group Age Categories

Survey participants were asked how many people in their group were under 18 or over 18. A total of 45 people provided sufficient information to analyze. Based on the information provided, 86.9% of the people in each group were 18 or over and 13.1% were under 18.

Residence/Area of Origin

Survey participants were asked to identify their place of residence by zip code. A total of 43 people answered this question. The majority of respondents reside in the following seven counties. All other responses were <3% and are summarized on Table C-18.

- Sacramento County – 18.6%
- Placer County – 7.0%
- Santa Clara County – 7.0%
- Butte County – 4.7%
- Contra Costa County – 4.7%
- Napa County – 4.7%

- San Francisco County – 4.7%

Respondent's Age

Survey participants were asked the year they were born. A total of 43 people answered this question. The responses to this question were used to determine the average age of the survey participants, which was 42.6, with a standard deviation of 14.6.

Ethnicity

Survey respondents were asked to identify the cultural or ethnic group they most closely identify with. A total of 44 respondents answered this question, with the following results. The majority (88.6%) of respondents were White/Caucasian. Other responses included: Hispanic or Latino (6.8%), Asian (2.3%), and Native Hawaiian or Pacific Islander (2.3%).

Primary Language

Survey participants were asked to identify their primary spoken language. A total of 43 people answered this question. The majority of respondents (95.3%) identified English as their primary spoken language. Other responses included: Spanish (2.3%) and German (2.3%).

Reasons for Visiting the Area

Survey participants were asked to identify the main reason they chose to visit the area. After excluding invalid responses, a total of 33 responses were analyzed, with the following results.

- The most frequent response was “scenic quality of the area” (36.4%) followed by “recreational opportunities in the area” (18.2%).
- Other responses included: “lack of crowding” (15.2%), “access to lake/reservoir”, “access to river/stream”, and “presence of on-site manager/host” (all 3.0%), and “other” (21.2%).

Survey participants were also asked to specify any number of secondary reasons for visiting the area. A total of 33 people properly answered this question. Multiple responses were accepted.

- The most frequent responses were “access to lake/reservoir” and “lack of crowding” (both 39.4%).
- Other responses included: “scenic quality of the area” (30.3%), “close to home” (24.2%), “access to river/stream” and “recreational activities/opportunities in the area” (both 21.2%), “cost of facility access fee” (12.1%), “presence of on-site manager/host” (3.0%), and “other” (6.1%).

Primary and Secondary Activities

Survey participants were asked to identify the activities they engaged in, or expected to engage in, during their trip. They were instructed to check one main activity and one or

more secondary activities. The primary and secondary activities identified by the survey respondents are tabulated on Table C-18 and summarized below.

- A total of 27 people identified one main activity. The most frequent response was “camping in developed sites” (70.4%), followed by “stream swimming/water-play/sun bathing” (7.4%).
- A total of 27 people identified one or more secondary activities. The most frequent responses were “hiking/walking” and “reservoir swimming/water-play/sun bathing” (both 59.3%), and “relaxing” (44.4%).

Number of Nights Camping

Respondents were asked how many nights they would be camping during their visit. A total of 45 people answered this question. The responses to this question were used to determine the average number of nights that respondents camped, which was 6.3, with a standard deviation of 3.9.

Facility Assessment

An inventory of the amenities and features associated with Gates Group Campground, including a condition assessment, was conducted on September 4, 2008. In addition, a detailed survey of the access road and the campground loop roads was conducted on August 13, 2008. The facility inventory is included in Appendix N-1 and photographs of select facility features are included in Appendix N-2. The detailed road survey results are provided in Tables REC 1-11 and REC 1-12. A brief overview of facility elements is provided in the following.

Entrance Road and Loop Roads

Gates Group Campground is accessible from a relatively long access road (2,904 feet) that extends from FR-68, past Lodgepole Campground and ending at Aspen Campground. A relatively short (475 feet) road extends from the main access road to Ponderosa. The access road and Ponderosa Campground Loop Road are paved and in good condition. Parking includes both long stalls for RVs and trailers, and shorter stalls for regular vehicles. All of the parking areas are paved, striped and in good condition.

The group sites may only be used on a reservation basis. Three gates are used to prohibit access to sites that are not reserved. One gate, a double swing gate, is located at the intersection of FR-68 and the Gates Group Campground access road. Another double swing gate is located near at the intersection of the main access road and the Ponderosa Campground Loop Road. A third gate, a single swing gate, is located along the main access road, just before Aspen. The double gate at the main entrance is in good condition. The double gate at Ponderosa was installed in October 2007 and is in good condition. The single gate at Aspen was installed in September 2006 and is in good condition.

Ponderosa Group Camp

The Ponderosa is the largest and can accommodate 75 persons at one time (PAOT). Overall, the campground is in good condition. The campground includes the following primary features:

- 3 double-bin bear-proof garbage containers. These are located near the entrance to the campground. They were installed in 1998 and are in good condition. All are set on concrete pads.
- 2 double-unit, vault bathrooms. One of these bathrooms is located near the entrance to the campground, and the other is located within the campground. The bathrooms are generally in good condition but are outdated. Neither meets accessibility standards due to a high step and narrow entrance and stall widths.
- 6 faucets – The faucets are located throughout the campground, in the kitchen area and near the bathrooms. One has an accessible handle. Otherwise, they are not handicap accessible.
- 3 concrete stoves with steel grills – These stoves are set side-by-side. One is in good condition and the other two are damaged. According to the Forest Service, these type of stoves are obsolete.
- 2 double, accessible pedestal grills - These were installed in 2001 and are in good condition, but rusty.
- 4 large bear boxes – The bear boxes were installed in 2001 and are in good condition. Two are set on concrete pads.
- 11 picnic tables and 4 serving tables – All of the tables are constructed of heavy wood and painted brown. They are all in good condition, with minor paint flaking. None are disabled accessible.
- 1 group fire ring – This fire ring was installed in 1966, is damaged and in poor condition.
- 7 new benches – The group fire ring is surrounded by 7 new benches that were installed in 2006. Each bench is constructed of heavy wood on steel posts set in the ground.
- 13 old benches – Thirteen old painted wood benches are present at the site, mainly around the group fire ring. The wood benches are in poor to fair condition. Most are set too low and are in need of sanding and paint.

Lodgepole Group Camp

Lodgepole is a smaller group camp, designed to accommodate up to 25 PAOT. The campground includes the following features:

- 2 double-bin bear-proof garbage containers - These are located near the entrance to the campground. They were installed in 1998 and are in good condition. Both are set on concrete pads.

- 1 double-unit, vault bathroom - This bathroom is located near the entrance to the campground. The bathroom is generally in good condition but is outdated. It does not meet accessibility standards due to a high step and narrow entrance and stall widths.
- 3 faucets – Two of the faucets are located in the kitchen area and one is adjacent to the bathroom. All have an accessible handle. Otherwise, they are not handicap accessible.
- 2 concrete stoves with steel grills – These stoves are damaged and obsolete.
- 1 double, accessible pedestal grill – This grill was installed in 2001 and is in good condition.
- 2 large bear boxes – The bear boxes were installed in 2001 and are in good condition. One is set on a concrete pad.
- 4 picnic tables and 3 serving tables – All of the tables are constructed of heavy wood and painted brown. They are all in good condition, with minor paint flaking. None are disabled accessible.
- 1 group fire ring – This fire ring was installed in 1966. It is in good condition.
- 5 new benches – The group fire ring is surrounded by 5 new benches that were installed in 2006. Each bench is constructed of heavy wood on steel posts set in the ground.

Aspen Group Campground

Aspen is also a smaller group camp, designed to accommodate up to 25 PAOT. The campground includes the following features:

- 2 double-bin bear-proof garbage containers - These are located near the entrance to the campground. They were installed in 1998 and are in good condition. Both are set on concrete pads. One is set backwards.
- 1 double-unit, vault bathroom - This bathroom is located near the entrance to the campground. The bathroom is generally in good condition but is outdated. It does not meet accessibility standards due to a high step and narrow entrance and stall widths.
- 3 faucets – Two of the faucets are located in the kitchen area and one is adjacent to the bathroom. All have an accessible handle. Otherwise, they are not handicap accessible.
- 2 concrete stoves with steel grills – These stoves are damaged and obsolete.
- 1 double, accessible pedestal grill – This grill was installed in 2001 and is in good condition.
- 2 large bear boxes – The bear boxes were installed in 2001 and are in good condition. One is set on a concrete pad.

- 4 picnic tables and 3 serving tables – All of the tables are constructed of heavy wood and painted brown. They are all in good condition, with minor paint flaking. None are disabled accessible.
- 1 group fire ring – This fire ring was installed in 1966. It is in good condition.
- 5 new benches – The group fire ring is surrounded by 5 new benches that were installed in 2006. Each bench is constructed of heavy wood on steel posts set in the ground.

Water Supply

Potable water is supplied to this site via the Dolly Creek Water Supply, which is referred to by the Forest Service as the French Meadows North Shore Water System. This system is described above under Lewis Campground.

User Opinions Regarding Gates Group Campground

A total of 46 people encountered at Gates Group Campground completed Section A-1 (Background Information) and Section A-2 (Camping at a Developed Facility) of the REC 2 – Recreation Visitor Survey instrument. The responses of these 46 people were tabulated for analysis and are summarized on Tables C-18 and C-19, by survey question. Select results are discussed below.

Importance of Facilities and Amenities

Survey participants were asked to rate the importance of various facilities and amenities when choosing the area to recreate. The responses to this question are summarized on Table C-18 and pertinent responses are summarized below.

- 81.4% (35 of 43 people) said developed campsites are very important (48.8%) or important (32.6%). Five people (11.6%) said developed campsites are somewhat important and three people (7.0%) said that developed campsites are not important.
- 37.8% (17 of 45 people) said flush restrooms are very important (17.8%) or important (20.0%). Fifteen people (33.3%) said that flush restrooms are somewhat important and thirteen people (28.9%) said they are not important.
- 88.8% (40 of 45 people) said drinking water is very important (64.4%) or important (24.4%). Five people (11.1%) said drinking water is somewhat important.
- 15.9% (7 of 44 people) said RV dump stations are very important (6.8%) or important (9.1%). Seven people (15.9%) said that RV dump stations are somewhat important and the majority of people (68.2%) said RV dump stations are not important.
- 84.1% (37 of 44 people) said hiking trails are very important (36.4%) or important (47.7%). Five people (11.4%) said hiking trails are somewhat important and two people (4.5%) said they are not important.

- 28.5% (12 of 42 people) said that interpretative/educational exhibits/information is very important (7.1%) or important (21.4%). Eight people (19.0%) said interpretative/educational exhibits/information is somewhat important and twenty-two people (52.4%) said is not important.

Information Resources

Survey participants were asked to rate the availability and adequacy of various information resources. The responses to this question are summarized on Table C-18 and pertinent responses are summarized below.

- 19.5% (8 of 41 people) said interpretive/educational information is acceptable. Five people (12.2%) said it is not acceptable. Sixteen people (39.0%) said it is not applicable.
- 28.6% (12 of 42 people) said recreation visitor information is acceptable. Five people (11.9%) said it is not acceptable. Eight people (19.0%) said it is not applicable.
- 46.5% (20 of 43 people) said safety/warning information is acceptable. Four people (9.3%) said it is not acceptable. Five people (11.6%) said it is not applicable.
- 12.2% (5 of 41 people) said reservoir water surface elevation information is acceptable. Twelve people (29.3%) said it is not acceptable. Fourteen people (34.1%) said it is not applicable.
- 14.6% (6 of 41 people) said river/stream flow information is acceptable. Eleven people (26.8%) said it is not acceptable. Ten people (24.4%) said it is not applicable.

Overall Recreation Experience

Survey respondents were asked to rate their overall recreation experience using a satisfaction scale.

- 100.0% (45 people) said they were either very satisfied (55.6%) or satisfied (44.4%) with their overall recreation experience.

Additional Recreation Facilities, Amenities or Opportunities

Survey respondents were asked if there are any additional recreation facilities, amenities, or opportunities that would improve their recreation experience. A total of 33 people answered this question.

- The majority of people (51.5%) said “no.”
- Sixteen people (48.5%) said “yes.” Fourteen people provided one or more comments that fall into the following categories: restrooms (11); drinking water (2); more developments (1); more information (1); and a positive observation (1).

First Choice Campground

Respondents were asked if they were able to camp at their first choice campground, and if not, they were asked to specify their first choice. A total of 44 people answered this question.

- 88.6% (39 of 44 people) said “yes.”
- 11.4% (5 of 44 people) said “no.”
- Four respondents provided their first choice campgrounds, as follows:
 - Aspen (2)
 - Ponderosa (1)
 - Another site in Gates Group Campground (1)

Method of Camping

Respondents were asked what method they used to camp. All 46 people answered this question, with the following results:

- Tent – 82.6% (38 people)
- Recreational vehicle 25-35 feet – 6.5% (3 people)
- Trailer less than 25 feet – 4.3% (2 people)

All other responses were <3% and are summarized on Table C-19.

Campground Factors

Survey respondents were asked to rate various factors concerning the campground they stayed in. The responses to this question are summarized on Table C-19 and pertinent responses are summarized below.

- 88.6% (39 of 44 people) said campsite availability is acceptable.
- 95.6% (43 of 45 people) said campsite condition is acceptable.
- 86.7% (35 of 45 people) said campsite cleanliness is acceptable. One person (2.2%) said it is not acceptable.
- 90.2% (37 of 41 people) said adequacy of campsite screening is acceptable.
- 88.6% (39 of 44 people) said adequacy of campsite shading is acceptable.
- 48.9% (22 of 45 people) said restroom condition is acceptable. Seven people (15.6%) said it is not acceptable.
- 51.1% (23 of 45 people) said restroom cleanliness is acceptable. Three people (6.7%) said it is not acceptable.
- 75.6% (34 of 45 people) said drinking water availability is acceptable. Six people (13.3%) said it is not acceptable.
- 91.1% (41 of 45 people) said trash disposal is acceptable. One person (2.2%) said it is not acceptable.

- 100.0% (45 people) said parking availability is acceptable.
- 97.8% (44 of 45 people) said parking area condition is acceptable.
- 93.3% (42 of 45 people) said adequacy of food storage lockers is acceptable. One person (2.2%) said it is not acceptable.
- 97.8% (44 of 45 people) said condition of food storage lockers is acceptable.
- 95.5% (42 of 44 people) said parking spur size is acceptable. One person (2.3%) said it is not acceptable.
- 100.0% (45 people) said road condition in campground is acceptable.
- 97.8% (44 of 45 people) said adequacy of road size in campground is acceptable.
- 83.7% (36 of 43 people) said cost of campground fee is acceptable.
- 77.5% (31 of 40 people) said adequacy of law enforcement personnel is acceptable. One person (2.5%) said it is not acceptable.

Adequate Services and Facilities

Survey respondents were asked if the services and/or facilities at the campground were adequate for any physically impaired person in their party. A total of 44 people answered this question. People who answered “no” were asked to explain their answer.

- The majority of respondents (63.6%) said that the question was not applicable.
- Ten people (22.7%) said “yes.”
- Six respondents (13.6%) said “no”, and two respondents explained their answers as follows: “dirt hard for crutches” and “wheelchair access to bathrooms.”

Recreation Experience Affected by Other Factors

Survey respondents were asked if their recreation experience was negatively affected by crowding or other activities taking place. People who answered “yes” were asked to explain their answer.

- 95.6% of the respondents (43 of 45 people) said that they were not affected by crowding.
- 100.0% of the respondents (42 people) said that they were not affected by other activities taking place.

Overall Recreation Experience at Campground

Survey respondents were asked to rate their overall recreation experience at the specified campground using a satisfaction scale.

- 100.0% (45 people) said they were either very satisfied (64.4%) or satisfied (35.6%) with their overall recreation experience at Gates Group Campground.

6.2.7 French Meadows Boat Ramp and Picnic Area

The general layout of the French Meadows Boat Ramp, French Meadows Picnic Area, and the associated parking areas is shown on Map REC 1-16. As indicated, French Meadows Boat Ramp is located on the south shore of French Meadows Reservoir. The French Meadows Boat Ramp area includes a boat ramp and large parking area. A paved road connects the parking area to the boat ramp. A bathroom with flush toilets and sinks is available between the ramp and the parking area. In addition, potable water is available at a faucet located adjacent to the bathroom.

The French Meadows Picnic Area is located in the immediate vicinity of the French Meadows Boat Ramp. The picnic area consists of a paved parking area and a four-site picnic area connected by an unpaved trail. According to the USDA-FS, the picnic area formerly consisted of seven sites but was down sized in 2000 due to lack of use and to reduce maintenance costs. Each of the four remaining picnic sites includes a table and a pedestal grill. Other amenities in the picnic area include: a two-unit vault bathroom; a bear-proof garbage container; and two water faucets.

French Meadows Boat Ramp and Picnic Area is operated and maintained by the Forest Service with funds provided by PCWA under the current FERC license agreement.

Existing Recreation Use

The USDA-FS does not collect recreation use data at this site. Therefore, recreation use was estimated using vehicle count data collected by PCWA. The results are summarized below, organized by season. More detailed data for this site, including weekends, weekday, and holiday use, is provided in Appendix B.

Estimated Recreation Use at French Meadows Boat Ramp and Picnic Area (in RVDs)

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 – Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
960.9	555.7	263.6	1,780

As indicated, use ranged from an average of 263.6 RVDs during the winter/spring season to 960.9 RVDs during the summer season. In general, recreation use at this site peaks during the summer and declines through the fall, winter, and spring, when the area becomes inaccessible due to snow, and facilities such as bathrooms are closed. The French Meadows Boat Ramp and Picnic Area were inaccessible for vehicle counts due to snow from December 1, 2007 through May 9, 2008.

User Characteristics

Data collected through the REC 2 – Recreation Visitor Surveys was utilized to determine the demographics (e.g., the characteristics of the population) who use the

French Meadows Boat Ramp and Picnic Area, and their visitation patterns. A total of 42 people encountered at the French Meadows Boat Ramp and Picnic Area completed Section A-1 (Background Information) of the survey form. The responses of these 42 people were tabulated for analysis and are summarized on Table C-20 of Appendix C, by survey question. Select results are discussed below.

Note that the REC 2 – Recreation Visitor Survey instrument also included a section with questions that were specifically designed to obtain information about day use at developed sites (Section A-3 – Day Use at Developed Sites). However, only two people encountered at the French Meadows Boat Ramp, Picnic Area and associated parking areas completed this section. This is primarily because people encountered in these areas did not identify “day use at a developed facility” as one of their primary activities. The Section A-3 survey results were not analyzed due to the low number of responses.

Recreation Activities

Survey participants were asked to identify the activities they engaged in during their visit. Multiple responses were accepted. All 42 people intercepted at the French Meadows Boat Ramp and Picnic Area answered this question, with the following results:

- Fishing – 57.1% (24 people)
- Reservoir recreation – 57.1% (24 people)
- Camping at a developed site – 40.5% (17 people)

All other response were less than 5% and are summarized on Table C-20.

Vehicle Type

Survey participants were asked to identify the type of vehicle they used to drive to the area. A total of 41 people answered this question. The majority of people (87.8%) identified “car/SUV/Truck.” Three people (7.3%) identified motorcycle and two people identified camper/RV.

Number of People in Vehicle

Survey participants were asked how many people were in their vehicle. A total of 40 people answered this question. The average number of people per vehicle was 2.6, with a standard deviation of 2.4.

Group Age Categories

Survey participants were asked how many people in their group were under 18 or over 18. A total of 40 people provided sufficient information to analyze. Based on the information provided by these respondents, 85.4% of the people in each group were 18 or over and 14.6% were under 18.

Residence/Area of Origin

Survey participants were asked to identify their place of residence by zip code. A total of 37 people answered this question. The majority of respondents reside in the

following three counties. All other responses were $\leq 3\%$ and are summarized on Table C-20.

- Placer County – 45.9%
- Sacramento County – 32.4%
- El Dorado County – 5.4%

Respondent's Age

Survey participants were asked the year they were born. A total of 36 people answered this question. The responses to this question were used to determine the average age of the survey participants, which was 43, with a standard deviation of 15.4.

Ethnicity

Survey respondents were asked to identify the cultural or ethnic group they most closely identify with. A total of 39 people answered this question, with the following results. The majority (84.6%) of respondents were White/Caucasian. Other responses included: American Indian or Native Alaskan (5.1%), black/African American (2.6%), and other/multiracial (7.7%).

Primary Language

Survey participants were asked to identify their primary spoken language. A total of 32 people answered this question. All of the respondents (100%) identified English as their primary spoken language.

Reasons for Visiting the Area

Survey participants were asked to identify the main reason they chose to visit the area. After excluding invalid responses, a total of 25 responses were analyzed, with the following results.

- The most frequent responses (all 24.0%) were “access to lake/reservoir”, “close to home”, and “scenic quality of the area.”
- Other responses included, in order of response rate: “recreational activities/opportunities in the area” (16.0%), “lack of crowding” (14.6%), and “other” (8.0%).

Survey participants were also asked to specify any number of secondary reasons for visiting the area. A total of 25 people properly answered this question. Multiple responses were accepted.

- The most frequent response was “access to lake/reservoir” (40.0%).
- Other responses included, in order of frequency: “scenic quality of the area” (24.0%), “lack of crowding” (16.0%), “recreational activities/opportunities in the area” (12.0%), “access to river/stream” (8.0%), “close to home” (8.0%), and “presence of on-site manager/host” (4.0%).

Primary and Secondary Activities

Survey participants were asked to identify the activities they engaged in, or expected to engage in, during their trip. They were instructed to check one main activity and one or more secondary activities. The primary and secondary activities identified by the survey respondents are tabulated on Table C-20 and summarized below.

- A total of 24 people identified one main activity. The most frequent response was “reservoir fishing” (58.3%) followed by “camping in developed sites” (16.7%)
- A total of 24 people identified one or more secondary activities. The most frequent responses were “hiking/walking” and “reservoir swimming/water-play/sun bathing” (both 20.8%).

Facility Assessment

An inventory of the amenities and features associated with the French Meadows Boat Ramp, French Meadows Picnic Area, and associated parking areas, including a condition assessment, was conducted on July 23, 2008 in consultation with USDA-FS representatives (Ed Moore and William Davis of the TNF, and Vicky Jowice of the ENF). In addition, a detailed survey of the French Meadows Boat Ramp and Picnic Area Access Roads was conducted on August 12, 2008. The facility inventory is included in Appendix O-1 and photographs of select facility features are included in Appendix O-2. The detailed road survey results are provided in Table REC 1-11 and REC 1-12. A brief overview of the facility elements is provided in the following.

Access Roads and Parking Areas

The French Meadows Boat Ramp and Picnic area is accessible via a Project recreation facility access road that begins at FR-96 and ends at the French Meadows Boat Ramp and Picnic Area Access Road (see Map REC 1-16). The access road is about 581-feet long and 20-feet wide (1.5 lane), is paved, and in good condition. Parking for the French Meadows Picnic Area is located along the north side of the access road, west of the French Meadows Boat Ramp road.

The parking area for the French Meadows Picnic Area is approximately 80 feet long and can accommodate about eight vehicles. The parking area is paved and in good condition. The parking stalls are not striped and there are no designated handicapped parking spaces. A post and rail barrier fence delineates the northwest boundary of the parking area.

A 317-foot long paved road provides access between the French Meadows Boat Ramp Parking Area and the French Meadows Boat Ramp. The road is paved and in good condition. A small paved parking area with space for about four vehicles is located adjacent to the road, near the top of the ramp. The parking area is paved and chip sealed but is not striped. In addition, it does not include any designated handicap parking areas.

A large parking area is available upslope from the French Meadows Boat Ramp (see Map REC 1-16). The French Meadows Parking Area is approximately 30,000 square feet and rectangular in shape. The northwest boundary of the parking area is marked with a post and cable barrier fence. According to the USDA-FS, this parking area was once paved with asphalt but has deteriorated to aggregate base rock. The USDA-FS considers this parking area to be in poor condition relative to its original condition due to lack of maintenance. However, it is currently functional for parking purposes.

French Meadows Picnic Area

A 300-foot long pathway (trail) connects the French Meadows Picnic Area parking area to the picnic area. The trail to the picnic area is relatively unimproved with a native surface and does not meet accessibility standards due to the excessive slopes, insufficient widths, obstacles, and level changes. The trail entrance is marked with a small aluminum sign on a wood post, in good condition. A 2-bin bear-proof garbage container is also located at the entrance.

A two-unit vault bathroom is located along the trail, just past the trail entrance. The bathroom is constructed of wood set on a concrete foundation. The roof of the bathroom is rotting and the bathroom does not meet current USDA-FS condition standards. In addition, it does not meet accessibility standards due to its insufficient entrance width, level changes (e.g., concrete lip) and absence of hand rails

Potable water is available in two locations, one near the vault toilet and the other near the picnic sites. The faucets are mounted on wood posts set in rock-filled sumps contained in corrugated steel rings. The sumps are set above grade and the faucets are therefore not accessible. Neither faucet meets accessibility standards due the handle designs and level changes.

The picnic area itself includes four sites connected by about 150 feet of unimproved pathways. Each site includes a heavy wood picnic table and a pedestal grill. Neither the tables nor the grills are accessible. In addition, the sites are not considered disabled accessible due to the presence of obstacles, insufficient clear space, excessive slopes, and level changes.

French Meadows Boat Ramp

French Meadows Boat Ramp is 20 feet wide (1.5 lane) and approximately 600 feet long, as measured from the maximum WSE to the end of the ramp. The bottom of the ramp extends to 5,200 feet MSL. The ramp is constructed of concrete and includes three turn-around areas that may be used as water levels recede. The configuration of the boat ramp and turn-around areas is shown on Map REC 1-16.

Overall, the boat ramp is in fair condition. The ramp is functional but the concrete is spalling and cracked, and vegetation is growing in the cracks. The surface of the ramp is considered disabled accessible but the ramp is too steep to fully meet accessibility standards (Pers. Comm., W. Davis, July 23, 2008).

Two signs are present along the ramp. One is a permanent sign located near the top of the ramp. The other is a temporary sign that may be moved as water levels recede. Both signs are in fair condition due to flaking paint and damage due to bullet holes.

Boat Ramp Support Facilities

A bathroom facility with flush toilets and sinks are situated along the access road, between the French Meadows Boat Ramp Parking Area and the French Meadows Boat Ramp. This bathroom has a wood exterior. The interior is separated into male and female sections. The female side includes two toilets and one sink. The male side includes one toilet, one urinal, and one sink. The toilets and water drain to a 1,000-gallon septic tank and leach field are in good condition (pers. comm. Ed Moore, July 23, 2008). Both the exterior and interiors are in fair condition, meaning they are functional but do not meet current USDA-FS standards. The bathroom is not disabled accessible, but according to the USDA-FS it is possible to retrofit this type of bathroom to meet accessibility standards (Pers. Comm. Ed Moore, William Davis, July 23, 2008).

Potable water is available at a faucet located immediately adjacent to the bathrooms. The faucet (also referred to as a hydrant by the USDA-FS) is active and in fair condition. The handle is accessible but the sump/drain is set above grade and is therefore not accessible.

Other amenities located adjacent to the bathrooms include: a bear-proof garbage container and an information board. The bear-proof garbage container is in good condition but does not meet accessibility standards due to the handle design. The information board is constructed of painted wood and is in good condition.

Water Supply

Water is supplied to this site via the French Meadows Campground Water Supply, which is referred to by the Forest Service as the French Meadows South Shore Water System. This system described in detail under the “French Meadows Campground” section of this report.

User Opinions Regarding French Meadows Boat Ramp and Picnic Area

Section A-1 (Background Information) of the REC 2- Recreation Visitor Surveys instrument contained several questions regarding facilities and amenities. A total of 42 people encountered at the French Meadows Boat Ramp and Picnic Area completed Section A-1 (Background Information) of the survey form. The responses of these 42 people were tabulated for analysis and are summarized on Table C-20, by survey question. Select results are discussed below. Only two people encountered at the French Meadows Boat Ramp and Picnic Area completed Section A-3 (Day Use at Developed Sites) of the survey form. The Section A-3 survey results were not analyzed due to the low number of responses.

Importance of Facilities and Amenities

Survey participants were asked to rate the importance of various facilities and amenities when choosing the area to recreate. The responses to this question are summarized on Table C-20 and pertinent responses are summarized below.

- 57.1% (20 of 35 people) said developed picnic areas are very important (31.4%) or important (25.7%). Five people (14.3%) said developed picnic areas are somewhat important and 10 people (28.6%) said that developed picnic areas are not important.
- 62.1% (23 of 37 people) said flush restrooms are very important (32.4%) or important (29.7%). Nine people (24.3%) said that flush restrooms are somewhat important and 5 people (13.5%) said they are not important.
- 78.4% (29 of 37 people) said drinking water is very important (51.4%) or important (27.0%). Six people (16.2%) said drinking water is somewhat important. Two people (5.4%) said that drinking water is not important.
- 78.4% (29 of 37 people) said boat launch ramps are very important (56.8%) or important (21.6%). Two people (5.4%) said that boat launch ramps are somewhat important and six people (16.2%) said boat launch ramps are not important.
- 81.1% (30 of 37 people) said fishing trail access is very important (56.8%) or important (24.3%). Three people (8.1%) said fishing trail access is somewhat important and four people (10.8%) said it is not important.
- 35.3% (12 of 34 people) said that interpretative/educational exhibits/information is very important (14.7%) or important (20.6%). Nine people (26.5%) said interpretative/educational exhibits/information is somewhat important and 13 people (38.2%) said is not important.

Information Resources

Survey participants were asked to rate the availability and adequacy of various information resources. The responses to this question are summarized on Table C-20 and pertinent responses are summarized below.

- 38.9% (14 of 36 people) said interpretive/educational information is acceptable. Two people (5.6%) said it is not acceptable. Nine people (25.0%) said it is not applicable.
- 42.1% (16 of 38 people) said recreation visitor information is acceptable. Three people (7.9%) said it is not acceptable. Eight people (21.1%) said it is not applicable.
- 43.2% (16 of 37 people) said safety/warning information is acceptable. Four people (10.8%) said it is not acceptable. Seven people (18.9%) said it is not applicable.

- 36.1% (13 of 36 people) said reservoir water surface elevation information is acceptable. Five people (13.9%) said it is not acceptable. Six people (16.7%) said it is not applicable.
- 30.6% (11 of 36 people) said river/stream flow information is acceptable. Six people (16.7%) said it is not acceptable. Eight people (22.2%) said it is not applicable.

Overall Recreation Experience

Survey respondents were asked to rate their overall recreation experience using a satisfaction scale.

- 81.6% (31 of 38 people) said they were either very satisfied (34.3%) or satisfied (47.4%) with their overall recreation experience.

Additional Recreation Facilities, Amenities or Opportunities

Survey respondents were asked if there are any additional recreation facilities, amenities, or opportunities that would improve their recreation experience. A total of 28 people answered this question.

- Most people (67.9%) said “no.”
- Nine people (32.1%) said “yes.” Seven people provided comments that fall into the following categories: boat dock (2); campsites closer to water (1); drinking water (1); information (1); restrooms (1); and snacks/food to purchase (1).

6.2.8 McGuire Boat Ramp and Associated Parking Areas

McGuire Boat Ramp is located on the north shore of French Meadows Reservoir. The McGuire Boat Ramp area includes a concrete boat ramp and two large, relatively unimproved parking areas. (A nearby third parking area serves as a parking area for the Poppy Campground trailhead.) A paved road connects the parking areas to the boat ramp. A double-unit vault is available, located along the access road to the boat ramp. In addition, a bathroom with flush toilets is available nearby at the Poppy Trailhead parking area. Potable water is not available at the boat ramp or in the associated parking areas. However, potable water is available at two faucets located behind the bathroom in the Poppy Trailhead parking area. The general layout of the McGuire Boat Ramp and associated and parking areas is shown on Map REC 1-17.

Existing Recreation Use

The USDA-FS does not collect recreation use data at McGuire Boat ramp or in the associated parking areas. Therefore, recreation use was estimated using vehicle count data collected by PCWA. The results are summarized below, organized by season. More detailed data for this site, including weekends, weekday, and holiday use, is provided in Appendix B. Note these results do not include counts conducted at the Poppy Campground Trailhead parking area, which are reported separately under Section 6.2.4, Poppy Campground.

Estimated Recreation Use at McGuire Boat Ramp and Associated Parking Areas (in RVDs)

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 – Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
484.2	124.7	54.9	664

As indicated, use ranged from an average of 54.9 RVDs during the winter/spring season to 484.2 RVDs during the summer season. In general, recreation use at this site peaks during the summer and declines through the fall, winter, and spring, when the area becomes inaccessible due to snow. The McGuire Boat Ramp area was inaccessible for vehicle counts due to snow from December 1, 2007 through May 9, 2008.

User Characteristics

The REC 2 – Recreation Visitor Surveys were administered at the McGuire Boat Ramp and the associated parking areas, *and* McGuire Picnic Area and Beach. A total of 36 people encountered in these areas completed Section A-1 (Background Information) of the survey form. These areas were treated together when the surveys were administered. As such, the data for each area could not be differentiated when analyzing the survey results. The responses of the 36 people encountered at McGuire Boat Ramp and the associated parking areas, and McGuire Picnic Area and Beach were tabulated for analysis and are summarized on Table C-21 of Appendix C, by survey question. Select results are discussed below.

Recreation Activities

Survey participants were asked to identify the activities they engaged in during their visit. Multiple responses were accepted. All 36 people intercepted at the McGuire Boat Ramp, Picnic Area, and associated parking areas answered this question, with the following results:

- Reservoir recreation – 58.3% (21 people)
- Camping at a developed site – 41.7% (15 people)
- Fishing – 38.9% (14 people)

All other responses were less than 9% and are summarized on Table C-21.

Vehicle Type

Survey participants were asked to identify the type of vehicle they used to drive to the area. A total of 35 people answered this question. The majority of people (88.6%) identified “car/SUV/Truck.” Two people (5.7%) identified motorcycle, one person (2.9%) identified “multiple vehicles”, and one person identified “other.”

Number of People in Vehicle

Survey participants were asked how many people were in their vehicle. A total of 35 people answered this question. The average number of people per vehicle was 2.9, with a standard deviation of 1.4.

Group Age Categories

Survey participants were asked how many people in their group were under 18 or over 18. A total of 35 people provided sufficient information to analyze. Based on the information provided by these respondents, 74.3% of the people in each group were 18 or over and 25.7% were under 18.

Residence/Area of Origin

Survey participants were asked to identify their place of residence by zip code. A total of 35 people answered this question. The majority of respondents reside in the following three counties. All other responses were <6% and are summarized on Table C-21.

- Placer County – 42.9%
- Sacramento County – 25.7%
- El Dorado County – 8.6%

Respondent's Age

Survey participants were asked the year they were born. A total of 33 people answered this question. The responses to this question were used to determine the average age of the survey participants, which was 42.0, with a standard deviation of 12.1.

Ethnicity

Survey respondents were asked to identify the cultural or ethnic group they most closely identify with. A total of 35 people answered this question, with the following results. The majority (80.0%) of respondents were White/Caucasian. Other responses included: Hispanic or Latino (8.6%), Asian (2.9%), Native Hawaiian of Pacific Islander (2.9%), and other/multiracial (5.7%).

Primary Language

Survey participants were asked to identify their primary spoken language. A total of 32 people answered this question. The majority of respondents (93.8%) identified English as their primary spoken language, followed by Russian and Spanish (both 3.1%).

Reasons for Visiting the Area

Survey participants were asked to identify the main reason they chose to visit the area. After excluding invalid responses, a total of 24 responses were analyzed, with the following results.

- The most frequent response was “scenic quality of the area” (25.0%).

- Other responses included: “access to lake/reservoir” and “close to home” (both 16.7%), “lack of crowding” (12.5%), “access to river/stream” and “recreational activities/opportunities in the area” (both 8.3%), and “other” (12.5%).

Survey participants were also asked to specify any number of secondary reasons for visiting the area. A total of 25 people properly answered this question. Multiple responses were accepted.

- The most frequent response was “scenic quality of the area” (44.0%), followed by “lack of crowding” (28.0%).
- Other responses included, in order of frequency: “close to home” (24.0%), “access to lake/reservoir” (16.0%), “access to river/stream” and “recreational activities/opportunities in the area” (both 12.0%), and “cost of facility access fee”, “presence of on-site manager/host”, and “other” (all 4.0%).

Primary and Secondary Activities

Survey participants were asked to identify the activities they engaged in, or expected to engage in, during their trip. They were instructed to check one main activity and one or more secondary activities. The primary and secondary activities identified by the survey respondents are tabulated on Table C-21 and summarized below.

- A total of 18 people identified one main activity. The most frequent response was “reservoir fishing” (33.3%) followed by “camping in developed sites” (27.8%)
- A total of 19 people identified one or more secondary activities. The most frequent response was “reservoir swimming/water-play/sun bathing” (52.6%), followed by “relaxing” and “reservoir fishing” (both 42.1%).

Facility Assessment

An inventory of the amenities and features associated with the McGuire Boat Ramp and parking areas, including a condition assessment, was conducted on July 24, 2008. In addition, a detailed survey of the access road and parking areas was conducted on August 12, 2008. The facility inventory is included in Appendix P-1 and photographs of select facility features are included in Appendix P-2. A brief overview of the facility elements is provided in the following.

Access Road

This facility can be reached via the French Meadows Reservoir North Shore Access Road (42.2). This access road begins at Mosquito Ridge Road (FR-96) and extends 1.31 miles to the start of the McGuire Boat Ramp. This road also provides access to Lewis Campground, the McGuire Picnic Area and Beach, and the Poppy Campground Trailhead Parking Area. A survey of this road was conducted on August 12, 2008 and the detailed survey results are provided on Tables REC 1-11 and REC 1-12. The access road is about 24 feet wide (double lane) and is mostly in good condition. Occasional alligator cracking is present in some areas along the road, indicating sub-grade failures in these areas.

Parking Areas and Support Facilities

Two large parking areas are available upslope from the McGuire Boat Ramp (Map REC 1-17). The southeast lot is roughly rectangular in shape and approximately 35,000 square feet. The northeast lot is smaller, about 20,000 square feet. The lots are connected by an unpaved road on one end and the McGuire Boat Ramp Access Road on the other end. These parking areas were formerly paved but the asphalt has deteriorated to aggregate base rock. They are functional for parking purposes but are in poor condition relative to their original condition. Neither lot is striped. In addition, neither lot has any designated handicap parking stalls.

A double-unit vault bathroom is located north of the boat ramp, along the French Meadows Reservoir North Shore Access Road. This bathroom is constructed of wood set on a concrete pad. It is outdated, deteriorating, and does not meet current USDA-FS condition or accessibility standards. Another bathroom with flush toilets is located nearby in the Poppy Campground Trailhead parking area.

McGuire Boat Ramp

McGuire Boat Ramp is about 20 feet wide and approximately 800 feet long, as measured from the top of the boat ramp located above the maximum WSE to the end of the ramp. The bottom of the ramp extends to 5,200 feet MSL. The ramp is constructed of concrete and includes three turn-around areas that may be used as water levels recede. The configuration of the boat ramp and turn-around areas is shown on Map REC 1-17.

Overall, the ramp is in good condition. However, the concrete is beginning to crack in some areas. In addition, a substantial amount of debris (gravel, cobbles) is present on the ramp. This debris is deposited as the water level recedes. The surface of the ramp is considered disabled accessible but the ramp is too steep to fully meet accessibility standards. The high water turn-around area is in fair condition. It is functional, but the edge of the concrete has lifted several inches. Graffiti is also present on the surface. The other mid-level and low water turn around areas are in good condition, but covered in debris.

User Opinions Regarding McGuire Boat Ramp and Associated Parking Areas

A total of 36 people encountered at the McGuire Boat Ramp, Picnic Area, and associated parking areas completed Section A-1 (Background Information) of the survey form. The responses of these 36 people were tabulated for analysis and are summarized on Table C-21, by survey question. Select results are discussed below.

Note that the results discussed below represent the characteristics of users encountered at McGuire Boat Ramp and the associated parking areas, and McGuire Picnic Area and Beach combined. These areas were treated together when the surveys were administered. As such, the data for each area could not be differentiated when analyzing the survey results.

Importance of Facilities and Amenities

Survey participants were asked to rate the importance of various facilities and amenities when choosing the area to recreate. The responses to this question are summarized on Table C-21 and pertinent responses are summarized below.

- 60.7% (17 of 28 people) said developed picnic areas are very important (28.6%) or important (32.1%). Nine people (32.1%) said developed picnic areas are somewhat important and two people (7.1%) said that developed picnic areas are not important.
- 72.8% (24 of 33 people) said flush restrooms are very important (45.5%) or important (27.3%). Four people (12.1%) said that flush restrooms are somewhat important and five people (15.2%) said they are not important.
- 83.8% (26 of 31 people) said drinking water is very important (54.8%) or important (29.0%). Four people (12.9%) said drinking water is somewhat important. One person (3.2%) said that drinking water is not important.
- 60.0% (18 of 30 people) said boat launch ramps are very important (33.3%) or important (26.7%). Three people (10.0%) said that boat launch ramps are somewhat important and nine people (30.0%) said boat launch ramps are not important.
- 80.0% (24 of 30 people) said fishing trail access is very important (50.0%) or important (30.0%). Four people (13.3%) said fishing trail access is somewhat important and two people (6.7%) said it is not important.
- 41.7% (10 of 24 people) said that interpretative/educational exhibits/information is very important (12.5%) or important (29.2%). Four people (16.7%) said interpretative/educational exhibits/information is somewhat important and 10 people (41.7%) said is not important.

Information Resources

Survey participants were asked to rate the availability and adequacy of various information resources. The responses to this question are summarized on Table C-21 and pertinent responses are summarized below.

- 40.0% (12 of 30 people) said interpretive/educational information is acceptable. Four people (13.3%) said it is not acceptable. Nine people (30.0%) said it is not applicable.
- 53.1% (17 of 32 people) said recreation visitor information is acceptable. Four people (12.5%) said it is not acceptable. Seven people (21.9%) said it is not applicable.
- 55.2% (16 of 29 people) said safety/warning information is acceptable. Three people (10.3%) said it is not acceptable. Five people (17.2%) said it is not applicable.
- 37.0% (10 of 27 people) said reservoir water surface elevation information is acceptable. Four people (14.8%) said it is not acceptable. Seven people (25.9%)

said it is not applicable.

- 33.3% (10 of 30 people) said river/stream flow information is acceptable. Six people (20.0%) said it is not acceptable. Seven people (23.3%) said it is not applicable.

Overall Recreation Experience

Survey respondents were asked to rate their overall recreation experience using a satisfaction scale.

- 94.1% (32 of 34 people) said they were either very satisfied (52.9%) or satisfied (41.2%) with their overall recreation experience.

Additional Recreation Facilities, Amenities or Opportunities

Survey respondents were asked if there are any additional recreation facilities, amenities, or opportunities that would improve their recreation experience. A total of 19 people answered this question.

- Most people (68.4%) said “no.”
- Six people (31.6%) said “yes.” Five respondents provided one or more comments that fall into the following categories: more information (2); restrooms (2); drinking water (1); more storage at campsites (1); and safety (1).

6.2.9 McGuire Picnic Area and Beach

McGuire Picnic Area and Beach is located on the north shore of French Meadows Reservoir, east of McGuire Boat Ramp. The area includes a small beach area, a 10-unit picnic area, and a parking area. Other amenities include two bathrooms with flush toilets and sinks and a faucet with potable water. The general layout of the beach, picnic area and parking area is shown on Map REC 1-17. Photographs of the beach are included in Appendix Q-2.

Existing Recreation Use

The USDA-FS does not collect recreation use data at this site. Therefore, recreation use was estimated using vehicle count data collected by PCWA. The results are summarized below, organized by season. More detailed data for this site, including weekends, weekday, and holiday use, is provided in Appendix B.

Estimated Recreation Use at McGuire Picnic Area and Beach (in RVDs)

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 – Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
145.6	11.1	0	157

As indicated, use ranged from no use during the winter/spring season to 145.6 RVDs during the summer season. In general, recreation use at this site peaks during the summer and declines through the fall, winter, and spring, when the area becomes inaccessible due to snow.

McGuire Beach does not experience heavy recreation use. During the visitor surveys, only two people were observed on the beach during the entire survey period. One of these people was interviewed. This person was accessing the reservoir shoreline to fish.

User Characteristics

The REC 2 – Recreation Visitor Surveys were administered at the McGuire Boat Ramp and the associated parking areas, and McGuire Picnic Area and Beach. A total of 36 people encountered in these areas completed Section A-1 (Background Information) of the survey form. These areas were treated together when the surveys were administered. As such, the data for each area could not be differentiated when analyzing the survey results. Accordingly, the characteristics of the people who use McGuire Picnic Area and Beach are the same as those described above under McGuire Boat Ramp and Associated Parking areas.

Facility Assessment

A detailed inventory of the McGuire Picnic Area and Beach was conducted on July 24, 2008 in consultation with USDA-FS representatives. In addition, a detailed survey of the access roads and parking areas was conducted on August 12, 2008. The facility inventory is included in Appendix Q-1 and photographs of select facility features are included in Appendix Q-2. The detailed road survey results are provided in Tables REC 1-11 and REC 1-12. A brief overview of the facility elements is provided in the following.

Access Road and Parking Area

This facility can be reached via an access road referred to in this report as the McGuire Picnic Area and Beach Road. This road is 12-feet wide (single lane) and approximately 850-feet long as measured from the its intersection with the French Meadows Reservoir North Shore Access Road (42.2) to its terminus at the McGuire Picnic Area and Beach Parking Area. The access road is paved but is deteriorating and cracking due to lack of maintenance. Large potholes are present in several locations. As such, this road is in fair condition.

The road terminates at a parking area that is roughly rectangular in shape and about 18,000 square feet. The parking area was formerly paved but the asphalt has deteriorated to aggregate base rock with remnant patches of concrete. The parking stalls are not striped and there are no designated handicapped parking spaces.

McGuire Picnic Area

The picnic area includes ten sites. Each site includes a heavy wood picnic table and a concrete and steel cooking grill. Neither the tables nor the grills are accessible. In addition, none of the sites or pathways to the sites are accessible due to level changes and obstacles such as rocks and vegetation. Overall, the picnic area is in poor condition. The pathways to some of the sites and some of the sites themselves are nearly indistinguishable due to overgrown vegetation. The heavy vegetation along the pathways and within the picnic sites is indicative of low use and poor maintenance.

A bathroom is available between the parking area and the picnic area. This bathroom has a wood exterior and is set on a concrete foundation. The interior is separated into male and female sections. The bathroom was locked on the day of the inventory so the internal configuration is unknown. According to the Forest Service, the bathroom is not disabled accessible but can be retrofitted to meet accessibility standards. The exterior is in fair condition.

McGuire Beach

The beach is manmade. Conceptual design drawings developed in 1965 indicate that this beach was much larger in the past. If the design drawings are accurate, a substantial portion of the beach has eroded away. In its current condition it consists of a 12,500 square foot sand area located on natural topographic bench along the shore. The lower end of the beach is situated at an elevation of about 5,245 feet and the upper end of the beach is at 5,255 feet. Therefore, the beach is primarily functional at WSE's ranging from about 5,245–5,255 feet. Otherwise, the beach is submerged at high WSE's and is too far from the edge of water when the WSE's are low.

A 475-foot long pathway (trail) connects the parking area to the beach. The trail is unimproved and ranges in width from about 3–8 feet. The trail does not meet accessibility standards due to the excessive slopes, insufficient widths, obstacles, and level changes. A bear-proof garbage container (2-bin) is located at the entrance to the trail. The container is in good condition but does not meet accessibility standards due to the handle design.

A bathroom, changing area, and water faucet are located along the trail, between the parking area and the beach. The bathroom is constructed on wood set on a concrete foundation. The building is octagonal in shape and is divided into four sections. Two of the sections contain one flush toilet and one sink. The other sections were formerly used as changing rooms but are now used for storage. The exterior of the building is damaged and in poor condition. The interiors are in good condition but do not meet accessibility standards due to the narrow door width, lack of handrails, and a high step. A hexagonal concrete pad is located adjacent to the bathroom. According to the USDA-FS, this pad was formerly surrounded by a screen to facilitate changing. The screen is no longer present.

Potable water is available at a faucet located along the trail near the bathroom. The faucet is mounted on wood posts set in a corrugated steel sump filled with drainage rock. The sump is set above grade so the faucet is not disabled accessible.

Water Supply

Potable water is supplied to this site via the Dolly Creek Water Supply, which is referred to by the Forest Service as the French Meadows North Shore Water System. This system also serves Gates Group CG, Coyote Group CG, Lewis CG, Poppy Campground Trailhead parking area, an RV dump station, and a USDA-FS administrative site (Map REC 1-9).

User Opinions Regarding McGuire Picnic Area and Beach

The REC 2 – Recreation Visitor Surveys were administered at the McGuire Boat Ramp and the associated parking areas, and McGuire Picnic Area and Beach. A total of 36 people encountered in these areas completed Section A-1 (Background Information) of the survey form. These areas were treated together when the surveys were administered. As such, the data for each area could not be differentiated when analyzing the survey results. Accordingly, the opinions of the people who use McGuire Picnic Area and Beach are the same as those described above under McGuire Boat Ramp and Associated Parking areas.

6.2.10 DCUAs

The stakeholders identified four DCUAs in the French Meadows Reservoir area. These DCUAs are shown on Map REC 1-9 and are briefly described below.

Area Near Bridge over the Middle Fork American River, Upstream of French Meadows Reservoir

This area is located along the Middle Fork American River, upstream of French Meadows area, upstream and downstream of the FR-96 bridge crossing over the Middle Fork American River (Map REC 1-9). According to the USDA-Forest Service, recreation visitors park at either end of the bridge to access the Middle Fork American River. Parking is available along FR-96, in small unpaved turnouts east and west of the bridge. There are no developed recreation facilities in this location.

Recreation Use

PCWA conducted vehicles counts at the turn-outs along FR-96, in the immediately vicinity of the bridge over the Middle Fork American River. This area is identified on Map REC 1-1 as U10a. The vehicle count data was then used to estimate use at this DCUA. The results are summarized below by season.

**Estimated Recreation Use at U10a
Area Near Bridge over the Middle Fork American River,
Upstream of French Meadows Reservoir
(in RVDs)**

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 – Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
98.8	0	49.4	148

User Characteristics

The REC 2 – Recreation Visitor Surveys were not administered at this DCUA. In addition, none of the survey respondents encountered at any of the survey sites reported using this area. Therefore, user characteristics and opinions regarding this DCUA are unknown.

Area Near French Meadows - Hell Hole Tunnel Gatehouse

This DCUA is located on the shore of French Meadows Reservoir, between the French Meadows – Hell Hole Tunnel Gatehouse Road and the reservoir (Map REC 1-9). Vehicular access along the French Meadows - Hell Hole tunnel Gatehouse Road is prevented by a lock gate located at the top of the road at its intersection with FR-96. Pedestrian access is not prohibited. Accordingly, it is possible to walk down to road to access the reservoir in the vicinity of the French Meadows Gatehouse. There are no developed recreation facilities in this location.

Recreation Use

PCWA conducted vehicles counts at the turn-outs along FR-96, near the intersection of FR-96 and the French Meadows – Hell Hole Tunnel Gatehouse Road. This area is identified on Map REC 1-1 as U7b. The vehicle count data was then used as a proxy to estimate use in the area near the French Meadows – Hell Hole Tunnel Gatehouse. The results are summarized below by season.

**Estimated Recreation Use at U7b
Area Near French Meadows – Hell Hole Tunnel Gatehouse
(in RVDs)**

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 – Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
28.0	30.5	0	59

User Characteristics

The REC 2 – Recreation Visitor Surveys were not administered at this DCUA. In addition, none of the survey respondents encountered at any of the survey sites

reported using this area. Therefore, user characteristics and opinions regarding this DCUA are unknown.

Area Immediately Downstream of French Meadows Dam (both sides of river)

This DCUA is located along the Middle Fork American River, immediately downstream of French Meadows Dam (Map REC 1-9). This DCUA is accessible via the French Meadows Dam Outlet Work and Leakage Weirs Road. Vehicular access along this road is prevented by a lock gate located at the top of the road at its intersection with FR-96. However, pedestrian access is not prohibited. There are no developed recreation facilities in this location.

Recreation Use

PCWA conducted vehicles counts at the turn-outs immediately adjacent to the locked gate at intersection of FR-96 and the French Meadows Dam Outlet Work and Leakage Weirs Road. This area is identified on Map REC 1-1 as U6. The vehicle count data was then used as a proxy to estimate use at the area immediately downstream of French Meadows Dam (both sides of river). The results are summarized below by season.

Estimated Recreation Use at U6 Area Immediately Downstream of French Meadows Dam (in RVDs)

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 – Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
29.4	49.9	44.1	123

User Characteristics

This DCUA and the area located immediately northwest of French Meadows Dam (described below) were visited as part of the REC 2 – Recreation Visitor Surveys a total of 13 times over the survey period. A total of 2 people were encountered in these two areas during the entire survey period. These two people were asked to complete survey forms but declined because they had already completed forms on a previous occasion in another location. Therefore, user characteristics and opinions regarding this DCUA are unknown.

Area Located Immediately Northwest of French Meadows Dam

This DCUA includes two small areas located northwest of French Meadows Dam. One is located at the French Meadows Dam Staging Area and the other is located at the northwest end of the Duncan Creek-Middle Fork Tunnel Portal Road and Spillway Access Point (Map REC 1-9). Vehicular access to the latter is prevented by a locked gate. However, pedestrian access is not prohibited. The French Meadows Dam Staging

Area consists of a 23,000 square foot, flat, unvegetated area that is used by PCWA for operation and maintenance activities. There are no developed recreation facilities in either location.

Recreation Use

PCWA conducted vehicles counts at the French Meadows Dam Staging Area and at in the small areas located at the northwest end of the Duncan Creek-Middle Fork Tunnel Portal Road and Spillway Access Point. These areas are identified on Map REC 1-1 as U5a and U5b. The vehicle count data was then used to estimate recreation use in the Area Located Immediately Northwest of French Meadows Dam. The results are summarized below by season.

**Estimated Recreation Use at U5a + U5b
Area Located Immediately Northwest of French Meadows Dam
(in RVDs)**

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 – Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
170.1	177.1	13.7	361

User Characteristics

This DCUA and the area located immediately downstream of French Meadows Dam (described above) were visited as part of the REC 2 – Recreation Visitor Surveys a total of 13 times over the survey period. A total of 2 people were encountered in these two areas during the entire survey period. These two people were asked to complete survey forms but declined because they had already completed forms on a previous occasion in another location. Therefore, user characteristics and opinions regarding this DCUA are unknown.

6.3 DUNCAN CREEK DIVERSION AREA

Duncan Creek Diversion is located on Duncan Creek, a tributary to the Middle Fork American River. It is located at an elevation of 5,275 ft msl, about 1.5 miles northwest of French Meadows Dam. The primary Project facilities in the Duncan Creek area are the Duncan Creek Diversion Dam and Duncan Creek Diversion Pool. The dam impounds Duncan Creek forming the Duncan Creek Diversion Pool. The pool is relatively small, with a gross storage capacity of approximately 20 acre-feet (ac-ft) and a maximum surface area of approximately 3 acres.

There are no developed Project recreation facilities in the Duncan Creek Diversion area. However, a limited amount of dispersed use occurs at three DCUAs identified by the stakeholders, as follows.

6.3.1 DCUAs

- Area North of Duncan Creek Diversion
- Area Near Duncan Creek Gage and Weir
- Area Near New Bridge Crossing Duncan Creek

The locations and extent of these DCUAs are shown on Map REC 1-9. As indicated, all of these DCUAs are located in the immediate area of the diversion pool, in close proximity to each other. Therefore, for the purposes of this report, they are discussed as one area below.

Recreation Use

PCWA conducted vehicles counts at the three DCUAs in the Duncan Creek Diversion area. These areas are identified on Map REC 1-1 as U1, U2 and U3. The vehicle count data was then used to estimate use in the Duncan Creek Diversion area. The results are summarized below by season. More detailed information is provided in Appendix B, including a breakdown by each of the DCUAs identified by the stakeholders.

Estimated Recreation Use at U1, U2, and U3 Duncan Creek Diversion Area (in RVDs)

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 – Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
332.7	32.1	19.6	384

As indicated, use in the Duncan Creek Area was highest during the summer. However, the fall data may be unusually low because the Duncan Creek Diversion Dam area was inaccessible to the general public from September 1st through October 15th, 2007 while PCWA constructed a new bridge over Duncan Creek. Winter/spring use is low because the area was inaccessible due to snow from about December 10th 2007 through May 1st, 2008.

User Characteristics and Opinions

The REC 2 – Recreation Visitor Surveys were administered in the Duncan Creek Area. A total of five people completed Section A-1 (Background Information) of the survey form and five people completed Section A-4 (Day Use or Camping in Undeveloped Areas). The results of these surveys were tabulated for analysis and are summarized in Tables C-22 and C-23 of Appendix C, respectively, by survey question. The survey results for this area were presented in the REC 2 – Recreation Visitor Survey TSR (PCWA 2009c) so they are not reiterated here.

6.4 LONG CANYON AREA

Long Canyon is a tributary to the Rubicon River. Long Canyon is fed by two forks, the North Fork of Long Canyon and the South Fork of Long Canyon. The North Fork Long Canyon Diversion Dam is a 10 foot-high, 120 foot-wide concrete gravity structure with a crest elevation of 4,720 ft msl. The dam impounds the North Fork Long Canyon Creek and forms a small diversion pool with less than one ac-ft of storage. The South Fork Long Canyon Dam is a 27 foot-high, 145 foot-long concrete gravity structure with a crest elevation of 4,650 ft msl. The dam impounds the South Fork Long Canyon Creek and forms a diversion pool with less than 1 ac-ft of storage.

The Long Canyon Area includes one developed recreation facility, a group campground, as follows:

Group Campground

- Middle Meadows Campground.

In addition, the stakeholders identified two DCUAs in the Long Canyon area, as follows:

DCUAs

- Area surrounding South Fork Long Canyon Diversion Dam; and
- Areas along South Fork Long Canyon Creek, downstream of South Fork Long Canyon Diversion Dam.

6.4.1 Middle Meadows Group Campground

Middle Meadows Group Campground is located west of Hell Hole Reservoir, on the south side of the South Fork Long Canyon Creek and is accessible via Eleven Pines Road (FR-2). The campground includes two units, a 50 person site referred to as Unit 1 and a 25 person site referred to as Unit 2. Both units are fully accessible. Each unit includes an accessible picnic table, heavy wood picnic tables, serving tables, a handicap accessible double pedestal grill, large bear boxes, bear-proof garbage bins, a group fire ring, accessible bathrooms, and accessible water faucets. The campground is generally open between May 15th and November 1st, depending upon weather. The units may be used by reservation only.

Middle Meadows Campground is operated and maintained by the ENF. Routine operation and maintenance activities are paid for in part with funding provided by PCWA in accordance with Collection Agreement #03-CO-11051754-014. Routine operation and maintenance activities at this facility include bathroom maintenance and cleaning, litter pick-up and garbage removal, and maintenance (including repair and replacement) of site amenities such as tables, grills, and fire rings.

Existing Recreation Use

The USDA-FS does not collect recreation use data at this site. Accordingly, PCWA initially obtained use data available from the National Recreation Reservation System to estimate use. However, this data was determined to be inaccurate because it only

reports the number of reservations that were during the season. In most cases, it does not record the number of people per reservation. Therefore, PCWA conducted vehicle counts at this site. The vehicle count data was used in combination with the group size information derived from the REC 2 Recreation Visitor Surveys to estimate recreation use at Middle Meadows Campground. The results are summarized below, organized by season. More detailed data for this site, including weekend, weekday, and holiday use, is provided in Appendix B.

Estimated Recreation Use at Middle Meadows Group Campground (in RVDs)

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 – Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
2,009.1	15.8	0	2,025

As indicated, this campground is primarily used during the summer. Fall use was substantially lower and no use was recorded during the winter/spring period. In 2007, the last date that Middle Meadows was reserved was September 2nd. However, as the fall data indicated, informal access occurred after this date. PCWA recreation technicians tried to visit this site on October 27th but the road was impassible. The gate was closed and locked by the USDA-FS on November 5, 2007 and remained closed until May 23, 2008, which is the first date the facility was reserved in 2008 (Pers. Comm. J. Jue, February 8, 2010). The road was not open when the recreation technician attempted to access the site on May 17th, 2008.

User Characteristics

A total of 52 people who camped at Middle Meadows Group Campground completed Section A-1 (Background Information) and Section A-2 (Camping at a Developed Facility) of the survey instrument. The results of these 52 surveys were tabulated for analysis and are summarized in Tables C-24 and C-25 of Appendix C, respectively, by survey question. Select results are discussed below.

Recreation Activities

Survey participants were asked to identify the activities they engaged in during their visit. Multiple responses were accepted. All 52 people intercepted at Middle Meadows Group Campground answered this question, with the following results:

- Camping at a developed site – 100% (52 people)
- Reservoir recreation – 17.3% (9 people)
- Fishing – 13.5% (7 people)

All other responses were <4% and are summarized on Table C-24.

Vehicle Type

Survey participants were asked to identify the type of vehicle they used to drive to the area. A total of 51 people answered this question. The majority of people (96.1%) identified “car/SUV/Truck.” One person (2.0%) identified “camper/RV” and one person (2.0%) said “van.”

Number of People in Vehicle

Survey participants were asked how many people were in their vehicle. A total of 50 people answered this question. The average number of people per vehicle was 3.4, with a standard deviation of 1.9.

Group Age Categories

Survey participants were asked how many people in their group were under 18 or over 18. All 52 people provided sufficient information to analyze. Based on the information provided, 78.6% of the people in each group were 18 or over and 21.4% were under 18.

Residence/Area of Origin

Survey participants were asked to identify their place of residence by zip code. A total of 50 people answered this question. The majority of respondents reside in the following three counties. All other responses were $\leq 6\%$ and are summarized on Table C-24.

- Sacramento County – 38.0%
- Placer County – 30.0%
- San Francisco County – 12.0%

Respondent's Age

Survey participants were asked the year they were born. A total of 47 people answered this question. The responses to this question were used to determine the average age of the survey participants, which was 40.6, with a standard deviation of 13.9.

Ethnicity

Survey respondents were asked to identify the cultural or ethnic group they most closely identify with. All 52 respondents answered this question, with the following results. The majority (59.6%) of respondents were White/Caucasian. Other responses included: Asian (26.9%), American Indian or Alaskan Native (1.9%), black/African American (1.9%), Hispanic or Latino (1.9%), and other/multiracial (7.7%).

Primary Language

Survey participants were asked to identify their primary spoken language. A total of 47 people answered this question. The majority of respondents (78.7%) identified English as their primary spoken language. Other responses included: Hmong (12.8%), Vietnamese (6.4%), and French (2.1%).

Reasons for Visiting the Area

Survey participants were asked to identify the main reason they chose to visit the area. After excluding invalid responses, a total of 30 responses were analyzed, with the following results.

- The most frequent response was “scenic quality of the area” (33.3%) followed by “close to home” (20.0%).
- Other responses included: “lack of crowding” (16.7%), “cost of facility access fee” and “recreational opportunities in the area” (both 6.7%), “access to river/stream” (3.3%), and “other” (13.3%).

Survey participants were also asked to specify any number of secondary reasons for visiting the area. A total of 31 people properly answered this question. Multiple responses were accepted.

- The most frequent responses were “recreational activities/opportunities in the area” (48.4%) and “lack of crowding” (38.7%).
- Other responses included, in order of response rate: “cost of facility access fee” (35.5%), “scenic quality of the area” (32.3%), “access to lake/reservoir” and “access to river/stream” (both 25.8%), “close to home” and “presence of on-site manager/host” (both 12.9%), and “other” (9.7%).

Primary and Secondary Activities

Survey participants were asked to identify the activities they engaged in, or expected to engage in, during their trip. They were instructed to check one main activity and one or more secondary activities. The primary and secondary activities identified by the survey respondents are tabulated on Table C-24 and summarized below.

- A total of 18 people identified one main activity. The most frequent response was “camping in developed sites” (55.6%), followed by “picnicking in developed sites” (16.7%).
- A total of 18 people identified one or more secondary activities. The most frequent response was “hiking/walking” (55.6%), followed by “picnicking in developed sites” and “relaxing” (both 50.0%).

Number of Nights Camping

Respondents were asked how many nights they would be camping during their visit. A total of 51 people answered this question. The responses to this question were used to determine the average number of nights that respondents camped, which was 2.1, with a standard deviation of 0.8.

Facility Assessment

An inventory of the amenities and features associated with Middle Meadows Group Campground, including a condition assessment, was conducted on August 24, 2008. In addition, a detailed survey of the access road and parking areas was conducted on

September 30, 2008. The facility inventory is included in Appendix R-1 and photographs of select facility features are included in Appendix R-2. The detailed road survey results are provided in Tables REC 1-11 and REC 1-12. A brief overview of facility elements is provided in the following.

Entrance Road and Parking Areas

Middle Meadows Group Campground is accessible from a relatively long access road (1,531 feet) that extends from Eleven Pines Road (FR-2), past the parking area for Unit 1 and ending at the parking area for Unit 2. The access road is paved, except for a ford at the South Fork Long Canyon Creek crossing, which is concrete. Overall, the access road is in poor condition due to the presence of many potholes and substantial cracking. The road terminates at two small parking areas, one associated with each of the campground units. The parking area for Unit 1 can accommodate 10-11 vehicles. It is paved but the pavement is in poor condition due potholes and cracks. The parking area for Unit 2 can accommodate 5-6 vehicles. It is paved and in fair condition.

One gate, a double swing gate, is located at the intersection of FR-2 and the Middle Meadows Group Campground Access Road. The gate is an older-style double swing gate constructed of painted steel. The gate bars are bent and the paint is peeling. As such the gate is in fair condition. This gate was open during the site visit even though the group camps were not reserved. It is unclear if or when this gate is closed.

Unit 1

Unit 1 can accommodate up to 50 PAOT. It is a walk-in unit, accessible via a short (200 feet long) pathway that extends from the parking area to the camp site. The pathway has a native surface but is wide, firm, and relatively free of obstacles. This pathway is also used as a service road for maintenance purposes. A fee station with an information board, directional signage and a fee tube are located adjacent to the parking area. Two additional information boards are located along the pathway. The information boards are in fair condition. The fee tube is in good condition.

Unit 1 is a fully accessible site and overall is in good condition. The unit includes the following primary features:

- 1 double-unit bathroom with flush toilets. This bathroom is an accessible pre-fabricated concrete toilet (CXT). The surface around the bathroom is level, free of obstacles, and covered in crushed rock. An accessible path with a crushed rock surface provides access to the bathroom. Six PTFD steps (not accessible) provide an alternative access route.
- 2 faucets – Both of the faucets fully accessible, with an accessible handle and drain set at grade.
- 3 double-bin bear-proof garbage containers on concrete pads, all in good condition.
- 1 accessible group fire ring in good condition.

- 1 double, accessible pedestal grill in good condition.
- 3 large bear boxes set on concrete pads, all in good condition.
- 3 plastic garbage cans (20-gallon) used for recycling, all in good condition. One is on a concrete pad.
- 5 serving tables – Two of these tables are new-style tables constructed of heavy wood boards on a steel base permanently mounted in the kitchen area. The other three are older style heavy wood tables that can be moved around site. All are in good condition.
- 1 handicap single, accessible picnic table – This table is constructed of wood planks on a steel frame. It is in good condition but the table boards are slightly warped.
- 7 heavy wood picnic tables - Six of the tables are in fair condition, with some cracking and peeling paint. One table has a broken bench and is in poor condition.
- 1 wood bench in fair condition.

Unit 2

Unit 2 can accommodate up to 25 PAOT. It is a walk-in unit, accessible via a short (150 feet long) pathway that extends from the parking area to the camp site. The pathway has a native surface but is wide, firm, and relatively free of obstacles. This pathway is also used as a service road for maintenance purposes. Two MDO plywood information boards mounted on 4 x 4 wood posts are located along the pathway, near the parking area. The boards are in fair condition. According to the Forest Service, the boards have been damaged by raccoons. The posts are new and in good condition.

Unit 2 is a fully accessible site and overall is in good condition. The unit includes the following primary features:

- 1 double-unit vault bathroom. This bathroom is an accessible pre-fabricated concrete toilet (CXT). The surface around the bathroom is level, free of obstacles, and covered in crushed rock. The surface has settled slightly in the vicinity of the CXT entrance, causing a small lip at the entrance.
- 3 double-bin bear-proof garbage containers on concrete pads, all in good condition. One of these is located near the parking area along the pathway, adjacent to the CXT. The other two are located in the camp site.
- 3 plastic garbage cans (20-gallon) used for recycling, all in good condition. These are located near the parking area along the pathway, adjacent to the CXT.
- 2 faucets – Both of the faucets are fully accessible, with an accessible handle and drain set at grade.
- 1 accessible group fire ring with a grill in good condition.
- 1 double, accessible pedestal grill, new and in good condition.

- 3 large bear boxes set on concrete pads, all in good condition.
- 2 serving tables – These tables are new-style tables constructed of heavy wood boards on a steel base permanently mounted in the kitchen area. Both are in good condition.
- 1 handicap double, accessible picnic table – This table is constructed of wood planks on a steel frame and is in good condition.
- 4 heavy wood picnic tables – These tables are in fair condition, with some cracking and peeling paint.

Survey Results Related to Facility Amenities

A total of 52 people encountered at Middle Meadows Campground completed Section A-1 (Background Information) and Section A-2 (Camping at a Developed Facility) of the survey form. The responses of these 52 people were tabulated for analysis and are summarized on Tables C-24 and C-25, by survey question. Select results are discussed below.

Importance of Facilities and Amenities

Survey participants were asked to rate the importance of various facilities and amenities when choosing the area to recreate. The responses to this question are summarized on Table C-24 and pertinent responses are summarized below.

- 92.0% (46 of 50 people) said developed campsites are very important (58.0%) or important (34.0%). Three people (6.0%) said developed campsites are somewhat important and one person (2.0%) said that developed campsites are not important.
- 80.9% (38 of 47 people) said developed picnic sites are very important (51.1%) or important (29.8%). Eight people (17.0%) said developed picnic sites are somewhat important and one person (2.1%) said they are not important.
- 65.3% (32 of 49 people) said flush restrooms are very important (46.9%) or important (18.4%). Twelve people (24.5%) said that flush restrooms are somewhat important and five people (10.2%) said they are not important.
- 72.3% (34 of 47 people) said drinking water is very important (46.8%) or important (25.5%). Ten people (21.3%) said drinking water is somewhat important and three people (6.4%) said it is not important.
- 18.4% (7 of 38 people) said RV dump stations are very important (7.9%) or important (10.5%). Six people (15.8%) said that RV dump stations are somewhat important and the majority of people (65.8%) said RV dump stations are not important.
- 30.7% (12 of 39 people) said that interpretative/educational exhibits/information is very important (17.9%) or important (12.8%). Seven people (17.9%) said interpretative/educational exhibits/information is somewhat important and twenty people (51.3%) said is not important.

Information Resources

Survey participants were asked to rate the availability and adequacy of various information resources. The responses to this question are summarized on Table C-24 and pertinent responses are summarized below.

- 31.0% (13 of 42 people) said interpretive/educational information is acceptable. One person (2.4%) said it is not acceptable. Seventeen people (40.5%) said it is not applicable.
- 35.6% (16 of 45 people) said recreation visitor information is acceptable. Thirteen people (28.9%) said it is not applicable.
- 47.8% (22 of 46 people) said safety/warning information is acceptable. Three people (6.5%) said it is not acceptable. Six people (13.0%) said it is not applicable.
- 32.6% (14 of 43 people) said reservoir water surface elevation information is acceptable. One person (2.3%) said it is not acceptable. Fourteen people (32.6%) said it is not applicable.
- 28.6% (12 of 42 people) said river/stream flow information is acceptable. Four people (9.5%) said it is not acceptable. Thirteen people (31.0%) said it is not applicable.

Overall Recreation Experience

Survey respondents were asked to rate their overall recreation experience using a satisfaction scale.

- 90.2% (46 of 51 people) said they were either very satisfied (45.1%) or satisfied (45.1%) with their overall recreation experience.

Additional Recreation Facilities, Amenities or Opportunities

Survey respondents were asked if there are any additional recreation facilities, amenities, or opportunities that would improve their recreation experience. A total of 40 people answered this question.

- The majority of people (70.0%) said “no.”
- Twelve people (30.0%) said “yes.” Eleven people provided one or more comments that fall into the following categories: showers (7); better access (1); campfires (1); more signage (1); roads (1); and unsatisfactory fishing (1).

First Choice Campground

Respondents were asked if they were able to camp at their first choice campground, and if not, they were asked to specify their first choice. A total of 50 people answered this question.

- 98.0% (49 of 50 people) said “yes.”
- 2.0% (1 of 50 people) said “no,” but did not provide their first choice campground.

Method of Camping

Respondents were asked what method they used to camp. A total of 51 people answered this question, with the following results:

- Tent – 90.2% (46 people)
- Multiple methods – 5.9% (3 people)
- Recreational vehicle less than 25 feet – 3.9% (2 people)

Campground Factors

Survey respondents were asked to rate various factors concerning the campground they stayed in. The responses to this question are summarized on Table C-25 and pertinent responses are summarized below.

- 92.0% (46 of 50 people) said campsite availability is acceptable.
- 91.8% (45 of 49 people) said campsite condition is acceptable.
- 89.8% (44 of 49 people) said campsite cleanliness is acceptable.
- 79.1% (34 of 43 people) said adequacy of campsite screening is acceptable.
- 82.2% (37 of 45 people) said adequacy of campsite shading is acceptable.
- 83.7% (41 of 49 people) said restroom condition is acceptable.
- 87.8% (43 of 49 people) said restroom cleanliness is acceptable.
- 77.1% (37 of 48 people) said drinking water availability is acceptable. Three people (6.2%) said it is not acceptable.
- 93.6% (44 of 47 people) said trash disposal is acceptable.
- 75.5% (37 of 49 people) said parking availability is acceptable. One person (2.0%) said it is not acceptable.
- 85.1% (40 of 47 people) said parking area condition is acceptable. Two people (4.3%) said it is not acceptable.
- 89.4% (42 of 47 people) said adequacy of food storage lockers is acceptable.
- 89.8% (44 of 49 people) said condition of food storage lockers is acceptable.
- 75.6% (34 of 45 people) said parking spur size is acceptable. One person (2.2%) said it is not acceptable.
- 67.3% (33 of 49 people) said road condition in campground is acceptable. Three people (6.1%) said it is not acceptable.
- 75.0% (36 of 48 people) said adequacy of road size in campground is acceptable. Three people (6.2%) said it is not acceptable.
- 85.4% (41 of 48 people) said cost of campground fee is acceptable. One person (2.1%) said it is not acceptable.

- 59.5% (25 of 42 people) said adequacy of law enforcement personnel is acceptable. One person (2.4%) said it is not acceptable.

Adequate Services and Facilities

Survey respondents were asked if the services and/or facilities at the campground were adequate for any physically impaired person in their party. A total of 46 people answered this question. People who answered “no” were asked to explain their answer.

- The majority of respondents (54.3%) said that the question was not applicable.
- Seventeen people (37.0%) said “yes.”
- Four respondents (8.7%) said “no,” but did not provide explanations for their answers.

Recreation Experience Affected by Other Factors

Survey respondents were asked if their recreation experience was negatively affected by crowding or other activities taking place. People who answered “yes” were asked to explain their answer.

- 100.0% of the respondents (44 people) said that they were not affected by crowding.
- 87.5% of the respondents (35 of 40 people) said that they were not affected by other activities taking place.
- Three respondents that indicated they were negatively affected by other activities taking place provided explanations, as follows: (1) “vision quest...” (2) “fire”, and (3) “no campfire/BBQ.”

Overall Recreation Experience at Campground

Survey respondents were asked to rate their overall recreation experience at the specified campground using a satisfaction scale.

- 87.6% (41 of 47 people) said they were either very satisfied (46.8%) or satisfied (40.4%) with their overall recreation experience at Middle Meadows Group Campground.

6.4.2 DCUAs

The stakeholders identified four DCUAs in the Long Canyon area. These DCUAs are shown on Map REC 1-1 and are briefly described below.

Area Surrounding South Fork Long Canyon Diversion Dam

This area is located along the South Fork of Long Canyon Creek, in the immediate vicinity of the South Fork Long Canyon Diversion Dam. It is readily accessible from FR 2 via the South Fork Long Canyon Diversion and Drop Inlet Road. This area can also be reached by walking downstream along South Fork Long Canyon Creek from Middle Meadows Campground. There are no developed recreation facilities in this location.

Existing Recreation Use

PCWA conducted vehicle counts along the access road and in the mall unpaved area immediately adjacent the South Fork Long Canyon Diversion Dam. This area is identified on Map REC 1-1 as U14a. The vehicle count data was then used to estimate use at this DCUA. The results are summarized below by season.

**Estimated Recreation Use at U14a
Area Surrounding South Fork Long Canyon Diversion Dam
(in RVDs)**

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 – Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
74.6	0	0	74.6

User Characteristics and Opinions

The REC 2 – Recreation Visitor Surveys were not administered in the area surrounding the South Fork Long Canyon Diversion Dam. Therefore, user characteristics and opinions regarding this DCUA are unknown.

Areas along South Fork Long Canyon Creek, downstream of South Fork Long Canyon Diversion Dam

This area is located along the South Fork of Long Canyon Creek, downstream of the South Fork Long Canyon Diversion Dam. It is readily accessible from small turnouts located along FR 2. According to the USDA-FS, this area is used for stream side activities such as picnicking and fishing. There are no developed recreation facilities in this location.

Neither vehicle counts nor visitor surveys were conducted in this location. Therefore, recreation use levels and visitor characteristics are unknown.

6.5 MIDDLE FORK INTERBAY AREA

Middle Fork Interbay is located on the Middle Fork American River, between French Meadows Reservoir and Ralston Afterbay, at an elevation of 2,536 feet. Middle Fork Interbay has a maximum operating surface area of about seven acres and a gross storage capacity of 175 ac-ft. The landscape in the vicinity of Middle Fork Interbay is moderately steep, entrenched, and confined by narrow V-shaped valleys. The vegetation is comprised of communities dominated by mixed conifer and pine species, including Douglas-fir and ponderosa pine. The Middle Fork Interbay area is shown on Map REC 1-20.

There are no developed Project recreation facilities in the Middle Fork Interbay area. However, the Middle Fork Interbay Dam and Powerhouse Road provide access to the Middle Fork Interbay area from Mosquito Ridge Road (FR-96). According to the

stakeholders, this road is used by anglers and boaters to access the Middle Fork American River.

It is possible to park in small, unpaved turn outs along the road, in the vicinity of Middle Fork Interbay. However, it is not possible to continue upstream from the Ralston Powerhouse due to the presence of a locked gate. Several anglers have asked PCWA whether it is possible to construct a bypass trail around the Middle Fork Powerhouse. PCWA is currently evaluating the feasibility of constructing a bypass trail around the Middle Fork Powerhouse.

With the concurrence of the stakeholders, neither vehicle counts nor visitor surveys were conducted in this location. Therefore, recreation use levels and visitor characteristics are unknown.

6.6 RALSTON AFTERBAY AREA

Ralston Afterbay is located in the TNF at an elevation of approximately 1,179 feet above MSL. The landscape in the Ralston Area is characterized by moderate to steep slopes. The vegetation consists of mixed conifer stands interspersed with large black oaks, and predominant black oak stands.

Ralston Afterbay is located 29 road miles from Auburn and 12 miles from Foresthill. It can be accessed by taking Mosquito Ridge Road (FR 96) to Blacksmith Flat Road (FR23). Blacksmith Flat Road descends into the Middle Fork American River, traverses the north shore of Ralston Afterbay, and eventually ascends out of the canyon to Ralston Ridge. The Ralston Afterbay area does not experience heavy snow and is typically open year-round. Summer temperatures often exceed 100 degrees F.

Ralston Afterbay provides day use opportunities as primarily used for fishing and water-enhanced activities such as picnicking. These activities are supported by one developed Project recreation facility referred to as the Ralston Afterbay Picnic Area. In addition, the Indian Bar Rafter Access is located in the Ralston Afterbay area, adjacent to the Oxbow Powerhouse. This facility is primarily used by whitewater boaters running the Tunnel Chute Run. The Ralston Afterbay area is shown on Map REC 1-21, which also shows the locations of the primary MFP facilities and land ownership.

The Ralston Afterbay area includes the following developed Project recreation facilities and DCUAs identified by the stakeholders:

Day Use Areas

- Ralston Picnic Area and Car Top Boat Ramp
- Indian Bar Rafter Access

DCUAs

- Ralston Afterbay Sediment Disposal Area;
- Areas along Middle Fork American River, between Ralston Picnic Area and the new gage;

- Area at confluence of North Fork of the Middle Fork American River and Middle Fork American River;
- Indian Bar, Willow Bar, and Junction Bar Areas; and
- Shoreline area surrounding Ralston Afterbay.

The Ralston Picnic Area is operated and maintained by the TNF. Routine operation and maintenance activities are paid for in part with funding provided by PCWA in accordance with Collection Agreement #03-CO-11051754-014. The Indian Bar Rafter Access is operated and maintained by the ASRA, in part using funds generated through commercial boating concession permits. Routine maintenance at both of the facilities generally includes bathroom maintenance and cleaning, litter pick-up, and garbage removal.

6.6.1 Ralston Picnic Area and Cartop Boat Ramp

Ralston Afterbay Picnic Area is a day use facility. The picnic area consists of a parking area, five picnic sites, and a small, unimproved boat ramp referred to as the Ralston Afterbay Car Top Boat Ramp. A single-unit vault toilet is available at this facility but potable water is not available.

Existing Recreation Use

The Forest Service does not collect recreation use data at this site. Therefore, recreation use was estimated using vehicle count data collected by PCWA. The results are summarized below, organized by season. More detailed data for this site, including weekends, weekday, and holiday use, is provided in Appendix B.

Estimated Recreation Use at Ralston Picnic Area and Cartop Boat Ramp (in RVDs)

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 – Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
279.1	89.7	235.4	604

As indicated, recreation use during the summer period was similar to recreation use during the winter/spring period. However, it is important to note the winter/spring period covers a substantially longer period than the summer and fall periods, which make the winter/spring data appear high compared to the other data. Use was lower during the fall, although it is unclear why. One factor may have been PCWA's maintenance outage, which during 2007 began on September 28th and lasted about 2-3 weeks.

User Characteristics

A total of 41 people encountered at the Ralston Picnic Area and Cartop Boat Ramp completed Section A-1 (Background Information) of the survey form. The responses of

these 41 people were tabulated for analysis and are summarized on Table C-26 of Appendix C, by survey question. Select results are discussed below.

Note that the REC 2 – Recreation Visitor Survey instrument also included a section with questions that were specifically designed to obtain information about day use at developed sites (Section A-3 – Day Use at Developed Sites). However, only two people encountered at the Ralston Picnic Area and Cartop Boat Ramp completed this section. This is primarily because people encountered at Ralston Picnic Area and Cartop Boat Ramp did not identify “day use at developed sites” as one of their primary activities. The Section A-3 survey results were not analyzed due to the low number of responses.

Recreation Activities

Survey participants were asked to identify the activities they engaged in during their visit. Multiple responses were accepted. All 41 people intercepted at the Ralston Picnic Area and Cartop Boat Ramp answered this question, with the following results:

- Day use along a stream/river – 58.5% (24 people)
- Fishing – 43.9% (18 people)
- Reservoir recreation – 34.1% (14 people)

All other responses were less than 9% and are summarized on Table C-26.

Vehicle Type

Survey participants were asked to identify the type of vehicle they used to drive to the area. All 41 people answered this question. The majority of people (92.7%) identified “car/SUV/Truck.” Two people (4.9%) identified camper/RV and one person identified “other.”

Number of People in Vehicle

Survey participants were asked how many people were in their vehicle. All 41 people answered this question. The average number of people per vehicle was 3.3, with a standard deviation of 3.0.

Group Age Categories

Survey participants were asked how many people in their group were under 18 or over 18. All 41 people provided sufficient information to analyze. Based on the information provided by these respondents, 85.4% of the people in each group were 18 or over and 14.6% were under 18.

Residence/Area of Origin

Survey participants were asked to identify their place of residence by zip code. A total of 39 people answered this question. The majority of respondents reside in the following two counties. All other responses were <6% and are summarized on Table C-26.

- Placer County – 48.7%

- Sacramento County – 35.9%

Respondent's Age

Survey participants were asked the year they were born. A total of 39 people answered this question. The responses to this question were used to determine the average age of the survey participants, which was 45, with a standard deviation of 11.1.

Ethnicity

Survey respondents were asked to identify the cultural or ethnic group they most closely identify with. A total of 40 people answered this question, with the following results. The majority (90.0%) of respondents were White/Caucasian. Other responses included: Hispanic or Latino (5.0%), and American Indian or Native Alaskan and Native Hawaiian or Pacific Islander (both 2.5%).

Primary Language

Survey participants were asked to identify their primary spoken language. A total of 27 people answered this question. The majority of respondents (96.3%) identified English as their primary spoken language, and one person identified both French and English as their primary spoken languages.

Reasons for Visiting the Area

Survey participants were asked to identify the main reason they chose to visit the area. After excluding invalid responses, a total of 25 responses were analyzed, with the following results.

- The most frequent responses were “close to home” and “scenic quality of the area” (both 20.0%).
- Other responses included: “access to lake/reservoir” and “access to river/stream” (both 16.0%), “lack of crowding” and “other” (both 12.0%), and “recreational activities/opportunities in the area” (4.0%).

Survey participants were also asked to specify any number of secondary reasons for visiting the area. A total of 25 people properly answered this question. Multiple responses were accepted.

- The most frequent response was “lack of crowding” (44.0%).
- Other responses included, in order of frequency: “access to river/stream” (40.0%), “close to home” (36.0%), “scenic quality of the area” (32.0%), “recreational activities/opportunities in the area” (28.0%), “access to lake/reservoir” and “cost of facility access fee” (both 24.0%), “presence of on-site manager/host” (8.0%), and “other” (4.0%).

Primary and Secondary Activities

Survey participants were asked to identify the activities they engaged in, or expected to engage in, during their trip. They were instructed to check one main activity and one or more secondary activities. The primary and secondary activities identified by the survey respondents are tabulated on Table C-26 and summarized below.

- A total of 24 people identified one main activity. The most frequent responses were “stream fishing” and “reservoir fishing” (both 25.0%).
- A total of 24 people identified one or more secondary activities. The most frequent responses were “reservoir swimming/water-play/sun bathing” (31.1%) and “stream swimming/water-play/sun bathing” (both 33.3%).

Facility Assessment

An inventory of the amenities and features located at the Ralston Picnic Area and Car Top Boat Ramp, including a condition assessment, was conducted on July 23, 2008 in consultation with USDA-FS representatives. In addition, a detailed assessment of the access road and parking area was conducted on July 31, 2008. The facility inventory is included in Appendix S-1 and photographs of select facility features are included in Appendix S-2. The detailed road survey results are provided in Tables REC 1-11 and REC 1-12. A brief description of the facilities is provided below.

Access Road and Parking Area

Ralston Picnic Area and Cartop Boat Ramp are accessible via a short access road off of Blacksmith Flat Road (FR-23). The access road is approximately 264 feet long by 20 feet wide (double lane). The surface of the access road is paved with a chip seal surface. Overall, the road is in good condition with minor deterioration of the chip seal surface. Rock falls from the adjacent slope have deposited rocks in the entrance area.

Parking for about six vehicles is available in the main parking area. In addition, parking for 1-2 more vehicles is available in a small, unpaved, turn out area located near Site 1. The main parking area is paved with a chip seal overlay. The parking area is not striped and there are no handicapped parking spaces. Overall, the parking area is in fair to good condition.

Picnic Area

The picnic area includes five sites. Four of the picnic sites are located in relative proximity to each other, and are readily accessible from the parking area. The fifth site is located near the river, connected to the other sites by a 350-foot long trail (see Map REC 1-22). Vegetation (including poison oak) is encroaching along the trail and into the picnic site. The trail does not meet USDA-FS condition or accessibility standards due to its narrow width and steep grade. None of the picnic sites are considered disabled accessible due to unlevel surfaces, insufficient clear space around the tables and grills, and the presence of obstacles such as rocks and brush. The picnic site features are briefly described below.

- Each of the five picnic sites includes one heavy wood table. None of the tables are accessible. All tables are in fair to poor condition due to damage (split boards, cracks), graffiti, and deteriorated paint. The table at Site 5 is missing a bench.

- Each site includes a pedestal grill. The grills are in fair condition. None of the grills meet accessibility standards due to height, insufficient clear space, or both. At Sites 1 and 4, the base is exposed due to erosion, which limits access to the grill.
- One single-unit pre-cast concrete (CXT) vault bathroom is available in the picnic area, adjacent to the parking area. The bathroom is accessible and in good condition.
- A bear-proof garbage container is located immediately adjacent to the bathroom. The bear-proof container is in good condition but is not considered disabled accessible due to the handle design.

Boat Ramp

The boat ramp is unimproved with a native surface. Since it is not constructed of concrete it has no obvious terminus. It is about 12-15 feet wide and approximately 95–125 feet long, depending upon water level. The ramp is currently functional for launching car top boats but it is in poor condition due to erosion. The ramp does not meet accessibility standards due to excessive slope and the presence of obstacles, including rocks and brush.

User Opinions Regarding Ralston Picnic Area and Cartop Boat Ramp

A total of 41 people encountered at the Ralston Picnic Area and Cartop Boat Ramp completed Section A-1 (Background Information) of the survey form. The responses of these 41 people were tabulated for analysis and are summarized on Table C-26, by survey question. Select results are discussed below. Note that the Section A-3 (Day Use at Developed Sites) survey data was not analyzed for this facility due to the low number of completed surveys.

Importance of Facilities and Amenities

Survey participants were asked to rate the importance of various facilities and amenities when choosing the area to recreate. The responses to this question are summarized on Table C-26 and pertinent responses are summarized below.

- 41.2% (14 of 34 people) said flush restrooms are very important (32.4%) or important (8.8%). Five people (14.7%) said that flush restrooms are somewhat important and 15 people (44.1%) said they are not important.
- 45.7% (16 of 35 people) said drinking water is very important (28.6%) or important (17.1%). Six people (17.1%) said drinking water is somewhat important. Thirteen people (37.1%) said that drinking water is not important.
- 55.9% (19 of 34 people) said boat launch ramps are very important (32.4%) or important (23.5%). One person (2.9%) said that boat launch ramps are somewhat important and 14 people (41.2%) said boat launch ramps are not important.

- 54.5% (18 of 33 people) said river put-ins/take-outs are very important (30.3%) or important (24.2%). Three people (9.1%) said that river put-ins/take-outs are somewhat important and 12 people (36.4%) said river put-ins/take-outs are not important.
- 65.8% (25 of 38 people) said fishing trail access is very important (52.6%) or important (13.2%). Four people (10.5%) said fishing trail access is somewhat important and nine people (23.7%) said it is not important.
- 18.2% (6 of 33 people) said that interpretative/educational exhibits/information is very important. Eight people (24.2%) said interpretative/educational exhibits/information is somewhat important and 19 people (57.6%) said is not important.

Information Resources

Survey participants were asked to rate the availability and adequacy of various information resources. The responses to this question are summarized on Table C-26 and pertinent responses are summarized below.

- 36.4% (12 of 33 people) said interpretive/educational information is acceptable. Two people (6.1%) said it is not acceptable. Fourteen people (42.4%) said it is not applicable.
- 38.2% (13 of 34 people) said recreation visitor information is acceptable. Three people (8.8%) said it is not acceptable. Thirteen people (38.2%) said it is not applicable.
- 63.6% (21 of 33 people) said safety/warning information is acceptable. Four people (12.1%) said it is not acceptable. Six people (18.2%) said it is not applicable.
- 33.3% (11 of 33 people) said reservoir water surface elevation information is acceptable. Three people (9.1%) said it is not acceptable. Eleven people (33.3%) said it is not applicable.
- 39.4% (13 of 33 people) said river/stream flow information is acceptable. Four people (12.1%) said it is not acceptable. Nine people (27.3%) said it is not applicable.

Overall Recreation Experience

Survey respondents were asked to rate their overall recreation experience using a satisfaction scale.

- 90.2% (37 of 41 people) said they were either very satisfied (56.1%) or satisfied (34.1%) with their overall recreation experience.

Additional Recreation Facilities, Amenities or Opportunities

Survey respondents were asked if there are any additional recreation facilities, amenities, or opportunities that would improve their recreation experience. A total of 32 people answered this question.

- Most people (71.9%) said “no.”
- Nine people (28.1%) said “yes.” Seven of these respondents provided comments that fall into the following categories: more developments (2); unsatisfactory fishing (2); better access trails (1); conflicts with other users (1); and environmental (1).

6.6.2 Indian Bar Rafter Access

The Indian Bar Rafter Access is located on the Middle Fork American River, adjacent to the Oxbow Powerhouse. It is primarily used by whitewater boaters but also supports other stream-based recreation users. The site includes a large unloading area, approximately 9-10 unmarked parking spaces, a boat ramp and vault toilets. Potable water is not available.

Existing Recreation Use

The ASRA does not collect recreation use data at this site. Therefore, recreation use was estimated using vehicle count data collected by PCWA. The results are summarized below, organized by season. More detailed data for this site, including weekends, weekday, and holiday use, is provided in Appendix B.

Estimated Recreation Use at Indian Bar Rafting Access and General Parking Area (in RVDs)

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 – Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
432.1	459.6	303.8	1,195

Note that the data presented above does not include commercial boating use, which accounts for most of the use at the Indian Bar Rafter Access. Commercial boating use data was developed using records provided by ASRA and is discussed in detail in the REC 4 – Stream-based Recreation Opportunities TSR (PCWA 2009).

User Characteristics

A total of 17 people encountered at the Indian Bar Rafter Access completed Section A-1 (Background Information) of the survey form. The responses of these 17 people were tabulated for analysis and are summarized on Table C-27 of Appendix C, by survey question. Select results are discussed below.

Note that the REC 2 – Recreation Visitor Survey instrument also included a section with questions that were specifically designed to obtain information about day use at developed sites Section A-3 (Day Use at Developed Sites). However, no respondents encountered at the Indian Bar Rafter Access completed this section. This is primarily because the people encountered at Indian Bar Rafter Access did not identify “day use at

developed sites” as one of their primary activities. The Section A-3 survey results were not analyzed due to the low number of responses.

Recreation Activities

Survey participants were asked to identify the activities they engaged in during their visit. Multiple responses were accepted. All 17 people intercepted at the Indian Bar Rafter Access answered this question, with the following results:

- Day use along a stream/river – 100.0% (17 people)
- Day use or camping in undeveloped areas – 29.4% (5 people)
- Fishing – 5.9% (1 person)

Vehicle Type

Survey participants were asked to identify the type of vehicle they used to drive to the area. All 17 people answered this question. The majority of people (82.4%) identified “car/SUV/Truck”, and three people (17.6%) identified “other.”

Number of People in Vehicle

Survey participants were asked how many people were in their vehicle. A total of 15 people answered this question. The average number of people per vehicle was 5.7, with a standard deviation of 4.4.

Group Age Categories

Survey participants were asked how many people in their group were under 18 or over 18. A total of 16 people provided sufficient information to analyze. Based on the information provided by these respondents, 77.0% of the people in each group were 18 or over and 23.0% were under 18.

Residence/Area of Origin

Survey participants were asked to identify their place of residence by zip code. All 17 people answered this question. The majority of respondents reside in the following four counties. All other responses were <6% and are summarized on Table C-27.

- Alameda County – 23.5%
- Santa Cruz County – 17.6%
- San Mateo County – 11.8%
- Solano County – 11.8%

Respondent’s Age

Survey participants were asked the year they were born. A total of 16 people answered this question. The responses to this question were used to determine the average age of the survey participants, which was 34.6, with a standard deviation of 11.7.

Ethnicity

Survey respondents were asked to identify the cultural or ethnic group they most closely identify with. All 17 people answered this question, with the following results. The majority (64.7%) of respondents were White/Caucasian. Other responses included: Asian (23.5%), black/African American (5.9%), and Native Hawaiian or Pacific Islander (5.9%).

Primary Language

Survey participants were asked to identify their primary spoken language. A total of 16 people answered this question. The majority of respondents (87.5%) identified English as their primary spoken language. One person (5.9%) identified Dutch and one person identified Italian as their primary spoken languages.

Reasons for Visiting the Area

Survey participants were asked to identify the main reason they chose to visit the area. After excluding invalid responses, a total of seven responses were analyzed, with the following results.

- The most frequent response was “scenic quality of the area” (28.6%).
- Other responses included: “access to lake/reservoir”, “access to river/stream”, “lack of crowding”, “recreational activities/opportunities in the area”, and “other” (all 14.3%).

Survey participants were also asked to specify any number of secondary reasons for visiting the area. A total of seven people properly answered this question. Multiple responses were accepted.

- The most frequent response was “recreational activities/opportunities in the area” (28.6%).
- Other responses included: “access to lake/reservoir” and “access to river/stream” (both 14.3%).

Primary and Secondary Activities

Survey participants were asked to identify the activities they engaged in, or expected to engage in, during their trip. They were instructed to check one main activity and one or more secondary activities. The primary and secondary activities identified by the survey respondents are tabulated on Table C-27 and summarized below.

- A total of seven people identified one main activity. The most frequent response was “whitewater boating” (42.9%).
- A total of seven people identified one or more secondary activities. The most frequent responses were “picnicking in developed sites”, “reservoir fishing”, and “stream swimming/water-play/sun bathing” (all 28.6%).

Facility Assessment

An inventory of the amenities and features associated with the Indian Bar Rafter Access, including a condition assessment, was conducted on July 23, 2008, in consultation with USDA-FS representatives. The facility inventory is included in Appendix T-1 and photographs of select facility features are included in Appendix T-2.

This facility includes a large unloading area, a designated parking area that can accommodate 9-10 vehicles, and a native-surface boat launch ramp. Other amenities at this facility include three pre-cast concrete vault bathrooms and two bear-proof garbage containers.

- The surface of the unloading and parking areas is aggregate and in good condition. It is relatively level and free of obstacles and holes.
- The boat ramp is graded but otherwise unimproved. It is too steep to meet accessibility standards.
- Two of the bathrooms are double unit structures and one is a single unit structure. All are pre-fabricated concrete vault (CXTs) in good condition. All three are accessible. However, the pathway between the parking area and the CXT upslope of the parking area is relatively steep and therefore is not accessible.
- Two double-bin bear-proof garbage containers are located on site. Both are constructed of painted steel and are in good condition.
- A variety of signage is located around the parking and unloading areas, including two information boards, “no parking signs”, and safety signs warning people of fluctuating water levels. One information board is new and in good condition. The other information board is damaged and in poor condition. The “no parking signs” are faded and in poor condition. The warning signage is in fair to good condition.

User Opinions Regarding Indian Bar Rafter Access

The responses of these 17 people were tabulated for analysis and are summarized on Table C-27, by survey question. Select results are discussed below. Note that the Section A-3 (Day Use at Developed Sites) survey data was not analyzed for this site due to the low number of completed surveys.

Importance of Facilities and Amenities

Survey participants were asked to rate the importance of various facilities and amenities when choosing the area to recreate. The responses to this question are summarized on Table C-27 and pertinent responses are summarized below.

- 61.6% (8 of 13 people) said developed picnic sites are very important (30.8%) or important (30.8%). One person (7.7%) said developed picnic sites are somewhat important and four people (30.8%) said that developed picnic sites are not important.

- 61.6% (8 of 13 people) said flush restrooms are very important (46.2%) or important (15.4%). Four people (30.8%) said that flush restrooms are somewhat important and one person (7.7%) said they are not important.
- 66.7% (10 of 15 people) said drinking water is very important (46.7%) or important (20.0%). Four people (26.7%) said drinking water is somewhat important. One person (6.7%) said that drinking water is not important.
- 66.7% (10 of 15 people) said river put-ins/take-outs are very important (33.3%) or important (33.3%). Three people (20.0%) said that river put-ins/take-outs are somewhat important and two people (13.3%) said river put-ins/take-outs are not important.
- 50.0% (6 of 12 people) said fishing trail access is very important (41.7%) or important (8.3%). One person (8.3%) said fishing trail access is somewhat important and five people (41.7%) said it is not important.
- 61.6% (8 of 13 people) said that interpretative/educational exhibits/information is very important (15.4%) or important (46.2%). Three people (23.1%) said interpretative/educational exhibits/information is somewhat important and two people (15.4%) said is not important.

Information Resources

Survey participants were asked to rate the availability and adequacy of various information resources. The responses to this question are summarized on Table C-27 and pertinent responses are summarized below.

- 25.0% (3 of 12 people) said interpretive/educational information is acceptable. No respondents said it is not acceptable. One person (8.3%) said it is not applicable.
- 40.0% (6 of 15 people) said recreation visitor information is acceptable. One person (6.7%) said it is not acceptable. Two people (13.3%) said it is not applicable.
- 53.8% (7 of 13 people) said safety/warning information is acceptable. One person (7.7%) said it is not acceptable, and one person (7.7%) said it is not applicable.
- 38.5% (5 of 13 people) said reservoir water surface elevation information is acceptable. Two people (15.4%) said it is not acceptable. Two people (15.4%) said it is not applicable.
- 30.8% (4 of 13 people) said river/stream flow information is acceptable. One person (7.7%) said it is not acceptable. One person (7.7%) said it is not applicable.

Overall Recreation Experience

Survey respondents were asked to rate their overall recreation experience using a satisfaction scale.

- 93.7% (15 of 16 people) said they were either very satisfied (37.5%) or satisfied (56.2%) with their overall recreation experience.

Additional Recreation Facilities, Amenities or Opportunities

Survey respondents were asked if there are any additional recreation facilities, amenities, or opportunities that would improve their recreation experience. A total of nine people answered this question.

- Most people (77.8%) said “no.”
- Two people (22.2%) said “yes.” Both respondents provided one or more comments that fall into the following categories: restrooms (2) and drinking water (1).

6.6.3 DCUAs

The stakeholders identified four DCUAs in the Ralston Afterbay area. These DCUAs are shown on Map REC 1-21 and are referred to as:

- Ralston Afterbay Sediment Disposal Area
- Areas along Middle Fork American River, between Ralston Picnic Area and the New Gage
- Indian Bar, Willow Bar, and Junction Bar Areas
- Shoreline Area Surrounding Ralston Afterbay

Each of these areas is briefly discussed below.

Ralston Afterbay Sediment Disposal Area

This area is located along Blacksmith Flat Road, on the ridge above Ralston Afterbay. It is used by PCWA to store sediment removed from Ralston Afterbay. The footprint of this facility is shown on Map REC 1-21. Currently, the surface area of this facility is about 100,000 square feet. It is flat, unvegetated, and surrounded by a low earthen dike. There are no developed recreation facilities at the Ralston Afterbay Sediment Disposal Area. However, PCWA does not prohibit access to this area and it is therefore occasionally used for recreation purposes.

Existing Recreation Use

PCWA conducted vehicle counts at this location. The data were then tabulated and used to estimate recreation use at this facility. The results are summarized below, organized by season. More detailed data for this site, including weekends, weekday, and holiday use, is provided in Appendix B.

**Estimated Recreation Use at Ralston Afterbay Sediment Disposal Area
(in RVDs)**

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 – Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
36.3	36.0	61.4	134

As indicated, recreation use levels at this DCUA are similar during all of the seasons. The winter/spring use appears to be higher but is actually lower when the length of time in this period is considered.

User Characteristics

The REC 2 – Recreation Visitor Surveys were not administered at this DCUA. In addition, none of the survey respondents encountered at any of the survey sites reported using this facility. Therefore, user opinions regarding the Ralston Afterbay Sediment Disposal Area are unknown.

Areas along Middle Fork American River, between Ralston Picnic Area and the New Gage

This area is located along the Middle Fork American River between the Ralston Picnic Area and a PCWA gage. It is accessible via a trail that begins at the picnic area and follows a historic mining ditch along the north side of the Middle Fork American River. The trail generally terminates at the gage but it is possible to cross the river at the gage and then continue upstream on a rugged, user-created trail. Other than the trail, there are no developed recreation facilities in this location. The extent of this DCUA and the associated trail are shown on Map REC 1-21.

Recreation Use

Visitors who utilize this area park at the Ralston Afterbay Picnic Area described above. Visitor counts were not conducted along the trail. Accordingly, the number of people who use this DCUA is unknown.

User Characteristics

Visitor surveys were conducted at the Ralston Afterbay Picnic Area and along the shoreline. Three people who participated in the survey used the Middle Fork American River upstream of Ralston Afterbay. A brief review of the survey forms completed by the three people indicate the survey participants were over 18 years old, English speaking, and Caucasian. Two of the survey participants drove a car/SUV/Truck, and one drove a motorcycle. The number of people in each group ranged from three to four.

Area at confluence of North Fork of the Middle Fork American River and Middle Fork American River

This area is located downstream of Ralston Afterbay at the confluence of the North Fork and Middle Forks of the American River (see Map REC 1-21). There are no developed recreation facilities in this location and the area is not accessible by road. Accordingly, vehicle counts were not conducted at this DCUA. Therefore, the level of recreation use that may occur in this area is unknown.

Visitor surveys were not conducted at this location due to insufficient access. However, visitor surveys were conducted at the Indian Bar Rafter Access located about 1,000 feet upstream. None of the survey respondents intercepted at the Indian Bar Rafter Access indicated that they used this DCUA.

Indian Bar, Willow Bar, and Junction Bar Areas

These three bars are located downstream of Ralston Afterbay on river left (Map REC 1-21). There are no developed recreation facilities on any of these bars and none of these bars is accessible by road. Accordingly, vehicle counts were not conducted at these DCUAs and the level of recreation use that may occur in these areas is therefore unknown.

Visitor surveys were not conducted at these DCUAs due to insufficient access. However, visitor surveys were conducted at the Indian Bar Rafter Access located upstream. According to the logs maintained by the survey crews, four people encountered at the Indian Bar Rafter Access may have used these DCUAs. According to the logs, two people “camped at Indian Bar” and two people “camped on the beach.” These four people indicated that their primary activity was “day use along a stream/river.”

Shoreline Area Surrounding Ralston Afterbay

Ralston Afterbay is encompassed by land managed by the USDA-FS and land owned by PCWA. In general, all of the land on the south side of the afterbay is owned by PCWA. The land along the north shore of the afterbay is managed by the USDA-FS, with the Middle Fork American River forming the boundary between the ENF and the TNF. In general, PCWA does not limit access to Ralston Afterbay or the shoreline around the afterbay. Therefore, recreation use occurs along most of the shoreline. However, recreation use is generally more prevalent in two specific locations: the Ralston Afterbay Sediment Access Point and the turnouts in the vicinity of the Ralston Powerhouse. These areas are identified on Map REC 1-21 and are discussed further in the following.

Ralston Afterbay Sediment Removal Access Point

As shown on Map REC 1-21, the Sediment Removal Access Point is located at the apex of the confluence of the Middle Fork American and Rubicon Rivers, where water levels are typically much deeper than those at the Ralston Afterbay Picnic Area Car Top

Boat Launch described above. It is easily accessible from FR 23 and parking is available in the adjacent turn out. The ramp is generally unimproved, but is not as steep as the Ralston Picnic Area Car Top Boat Ramp. In addition, access is not impeded by large rocks. As such, launching from a trailer is possible from this point, although 4WD is required to drive back out. Parking is available in the adjacent turnouts. This ramp is not a Project recreation facility but PCWA does not prohibit its use by the public.

According to the USDA-FS, most people utilize PCWA's Sediment Removal Access Point to access Ralston Afterbay (Map REC 1-21). This access point is also used as a take out by whitewater boaters running the Rubicon River. Anecdotal information provided by PCWA recreation survey crews indicate that this access point is used more frequently than the Ralston Afterbay Car Top Boat Launch. Many of the Ralston Afterbay survey participants were encountered in this location.

Recreation Use

PCWA conducted vehicle counts at this location. The data were then tabulated and used to estimate recreation use at this facility. The results are summarized below, organized by season. More detailed data for this site, including weekends, weekday, and holiday use, is provided in Appendix B.

Estimated Recreation Use at Ralston Afterbay Sediment Removal Access Point (in RVDs)

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 – Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
328.2	128.1	330	786

As indicated, recreation use at this DCUA was higher than that recorded at the Ralston Afterbay Picnic Area and Car Top Boat Ramp. For comparison, total annual recreation use at the Ralston Afterbay Picnic Area and Car Top Boat Ramp was determined to be 604 RVDs.

User Characteristics

Visitor surveys were conducted at the Ralston Afterbay Picnic Area and Car Top Boat Launch, and along the Ralston Afterbay shoreline. However, survey participants encountered at this location were not differentiated from those encountered at the picnic area. Therefore, the use characteristics of people encountered at this location are the same as those described above under the Ralston Afterbay Picnic Area.

Powerhouse Parking Area Turn-Out

This area is located adjacent to the Ralston Powerhouse and includes an unpaved turnout upstream of the powerhouse (Map REC 1-21). There are no developed

recreation facilities in this area. However, this area is used by people accessing Ralston Afterbay for recreation purposes, and as a take-out by whitewater boaters running the Rubicon River.

Recreation Use

PCWA conducted vehicle counts at this location. The data were then tabulated and used to estimate recreation use at this DCUA. The results are summarized below, organized by season. More detailed data for this site, including weekends, weekday, and holiday use, is provided in Appendix B.

Estimated Recreation Use at Ralston Afterbay Powerhouse Parking Turnout (in RVDs)

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 – Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
237.2	810.9	488	1,536

It is important to note that recreation use at this site may be overestimated. The recreation crew was instructed to count all vehicles present at each site at any one time, and to record any identifying marks on the vehicles. Those with specific identifying marks, for example, PCWA vehicles, were excluded when estimating recreation use. However, vehicles that did not have an identifying mark were not excluded. Accordingly, it is likely that at least some of the unmarked vehicles recorded at this site were personal vehicles used by PCWA staff and/or contractors. For example, on November 13, 2007 a total of 16 vehicles were recorded. Nine of these were identified as agency vehicles (PCWA, PG&E, and USDA-FS) and were therefore excluded from the use data. However, the other seven vehicles were not marked and were therefore included in the use data. Given the agency activity that occurred at this site on this date, it is likely that at least some of the unmarked vehicles were PCWA employees or contractors.

User Characteristics

Visitor surveys were conducted at the Ralston Afterbay Picnic Area and Car Top Boat Launch, and along the Ralston Afterbay shoreline. However, survey participants encountered at this location were not differentiated from those encountered at the picnic area. Therefore, the use characteristics of people encountered at this location are the same as those described above under the Ralston Afterbay Picnic Area.

6.7 AUBURN STATE RECREATION AREA (ASRA)

The peaking reach bisects the Auburn State Recreation Area (ASRA). The ASRA includes approximately 42,000 acres along 40 miles of the North and Middle Fork American rivers. The ASRA is managed by California State Parks under contract with the U.S. Bureau of Reclamation (USBR), the land owner. The main access is from

Auburn, either on Highway 49 or the Auburn-Forest Hill Road. The ASRA boundary is shown in Map REC 1-24.

This section of the REC 1 – TSR focuses specifically on areas and recreation facilities along the peaking reach that support stream-based recreation. The terrain surrounding the peaking reach is steep and rugged, which limits stream-based recreation activities primarily to areas where developed recreation facilities are available, or where roads and/or trails provide access to the stream. The primary roads and trails that provide access to the peaking reach are shown on Map REC 1-24.

The primary areas and/or recreation facilities along the peaking reach that support stream-based recreation were identified in the REC 1 – TSR, as follows:

- Indian Bar Rafting Access (also known as the Oxbow Put-in)
- Cache Rock
- Fords Bar/Otter Creek
- Canyon Creek
- Ruck-a-Chucky Recreation Area
- Cherokee Bar
- Poverty Bar
- American Canyon
- Mammoth Bar/Murderer's Bar
- Quarry Trailhead
- Confluence Area
- New River Access at Auburn Dam site (Birdsall Access)
- New River Access at Oregon Bar (Oregon Bar Access)

The locations of each of these facilities are shown on Map REC 1-24. In addition, each of these areas and/or facilities is described below. Some of the facility descriptions are more detailed than others, depending upon the study requirements outlined in the REC 1 – TSP.

Note that additional information about stream based recreation along the peaking reach is available in the REC 4 – Stream-based Recreation Opportunities TSR (PCWA 2009a). For example, the REC 4 – TSR includes detailed information about the whitewater boating runs on the peaking reach, including the results of controlled flow studies conducted in 2008. In addition, it includes detailed information about commercial and private boating use along the peaking use, including use estimates derived from whitewater boater counts conducted at the Ruck-a-Chucky Recreation Area during the summer of 2007. Therefore, these topics are not discussed further in this REC 1 – TSR.

6.7.1 Indian Bar Rafter Access

Indian Bar Rafting Access (also referred to as the Oxbow Put-in by ASRA) is located immediately downstream of Ralston Afterbay, adjacent to the Oxbow Powerhouse. This facility is primarily used as a put-in by whitewater boaters running the Tunnel Chute Run, a 15.2-mile run that extends from the Indian Bar Rafter Put-in to the Ruck-a-Chucky Recreation Area. Support facilities include a large unloading area, approximately 9–10 unmarked parking spaces, a boat ramp, and vault toilets. It is operated and maintained by California State Parks (ASRA). This facility was identified as a Project recreation facility and is therefore described in detail in Section 6.6.2 of this report.

6.7.2 Cache Rock

Cache Rock is located on the Middle Fork American River, about five miles downstream of the Oxbow Powerhouse. There are no developed facilities or amenities at this location.

According to ASRA representatives, this area is mainly used by whitewater boaters who stop here for lunch. Commercial outfitters are allowed to camp at Cache Rock as part of their Whitewater Concessions Contract, but rarely do because it is too close to the put-in. Private boaters are not allowed to camp anywhere upstream of Fords Bar, including Cache Rock.

Cache Rock can also be reached from the south side of the river via Forest Road 14N35A. This road is unpaved and requires a high clearance, 4WD vehicle. According to ASRA representatives, this road is closed and is only used for emergency purposes. Forest Road 14N35A is maintained by the Forest Service.

Recreation Use

The ASRA does not collect use data at Cache Rock. In addition, vehicle counts were not conducted at this location. Therefore, recreation use levels at Cache Rock are unknown.

User Characteristics

The REC 2 – Recreation Visitor Surveys were not administered at Cache Rock, per the REC 2 – TSP. Therefore, user characteristics and opinions are unknown.

Facility Assessment

There are no developed facilities at Cache Rock. As such, a detailed facility assessment was not conducted. This area is characterized above.

User Opinions Regarding Cache Rock

The REC 2 – Recreation Visitor Surveys were not administered at Cache Rock, per the REC 2 – TSP. Therefore, user opinions are unknown.

6.7.3 Fords Bar/Otter Creek

Fords Bar is located on the Middle Fork American River, about 10.2 miles downstream of Oxbow Powerhouse, at the confluence of Otter Creek and the Middle Fork American River. Two composting toilets are available at Fords Bar. Both are located on river right, one upstream of the bar and one downstream of the bar. Otherwise, the area is undeveloped. The toilets are cleaned and maintained by ASRA staff (Pers. Comm. B Deitchman, February 26, 2009).

This area is mainly used by whitewater boaters who either stop here for lunch or spend the night if running a two-day trip. According to ASRA representatives, Fords Bar is more commonly used as an overnight stopping point for whitewater boaters than Cache Rock because it is located farther downstream from the put-in. Overnight camping is permitted at Fords Bar. Private boaters must obtain a river permit to camp at Fords Bar. Commercial outfitters may camp at Fords Bar under their Whitewater Concession Contract (Pers. Comm. K. Dey, February 17, 2010).

Fords Bar can also be reached by trail. From the north, this area can be reached via the Western States Trail (WST), which parallels the north side of the river, or via an unpaved road that descends into the river canyon from Foresthill Road. This road is gated to prevent vehicular access. However, the road is sometimes used by hikers. From the south, Fords Bar can be reached via the Roanoke Trail. The Roanoke Trail begins at the end of Bottle Hill Road near Georgetown and descends in to the Middle Fork American River Canyon to Fords Bar, where it is possible to cross the Middle Fork American River. Hike-in camping is allowed at Fords Bar, but requires a permit from ASRA.

The Fords Bar Crossing was identified by the Trail User/Stream Crossing Focus Group participants as one of five primary crossing locations along the peaking reach. Accordingly, this trail crossing was evaluated as part of the REC 4 – Stream-based Recreation Opportunities TSP. Detailed information about this river crossing is available in the REC 4 – Stream-based Recreation Opportunities TSR (PCWA 2009a).

Recreation Use

The ASRA does not collect use data at Fords Bar. In addition, vehicle counts were not conducted at this location. Therefore, recreation use levels at Fords Bar are unknown.

User Characteristics

The REC 2 – Recreation Visitor Surveys were not administered at Fords Bar, per the study plan. Therefore, user characteristics and opinions are unknown. However, according to the Trail User/Stream Crossing Focus Group participants, the Fords Bar crossing is primarily used by hikers, and to a lesser extent mountain bikers. It was historically used by equestrians but is no longer used by equestrians due to changes in the stream morphology. During conversations that occurred after the focus group session, Bill Deitchman of ASRA indicated that he has observed this trail crossing being used by and hikers, bikers, and equestrians.

Facility Assessment

A detailed facility assessment was not conducted at Fords Bar, per the REC 1 – TSP. This area is characterized above.

User Opinions Regarding Fords Bar

The REC 2 – Recreation Visitor Surveys were not administered at Fords Bar, per the study plan. Therefore, user opinions are unknown.

6.7.4 Canyon Creek

Canyon Creek is located on the north side of the Middle Fork of the American River, about 13.5 miles downstream of Oxbow Powerhouse. The area is relatively undeveloped and generally consists of an unpaved clearing with a picnic table, and a composting toilet located about 650 feet upstream of the picnic table.

The Canyon Creek area is located east of the Ruck-a-Chucky Recreation Area (described below) and is accessible from Drivers Flat Road. However, a locked gate on the road prevents vehicular access to the Canyon Creek area by the general public. Vehicular access beyond the gate is controlled by California State Parks. However, the commercial whitewater boating companies hold keys to the gate and sometimes use this area to unload gear when running commercial trips.

A major Class V rapid called Ruck-a-Chucky Falls is located immediately downstream of Canyon Creek. Most boaters portage this rapid, but it is runnable by advanced boaters. The portage trail is located on river right (looking downstream) and is visible on Map REC 1-25. As indicated, the portage trail begins just above Ruck-a-Chucky Falls. Boaters may also take out farther upstream, in the long pool above Ruck-a-Chucky Falls. Taking out in the large pool provides boaters with an opportunity to use the bathroom at Canyon Creek.

The Canyon Creek Area is also used by hikers and equestrians. From the Ruck-a-Chucky Recreation Area, it is possible to hike or ride horseback along Drivers Flat Road (which is also the WST in this location) upstream to the Canyon Creek Area and to continue upstream along the WST. Biking is not allowed on the WST. Therefore, this area is not used by bikers.

Overnight camping is permitted at Canyon Creek. However, private boaters and hikers must obtain a permit from ASRA. Commercial outfitters may camp at Canyon Creek under their Whitewater Concession Contract.

Existing Recreation Use

The ASRA does not collect use data at Canyon Creek. In addition, vehicle counts were not conducted at this location. Therefore, recreation use levels at Canyon Creek are unknown.

User Characteristics

The REC 2 – Recreation Visitor Surveys were not administered at Canyon Creek, per the REC 2 – TSP. Therefore, user characteristics are unknown.

Facility Assessment

An inventory of the amenities and features associated with Canyon Creek Recreation Area, including a condition assessment, was conducted on March 12, 2009. The inventory is provided in Appendix U-1 and photographs of select features are provided in Appendix U-2. The primary facilities and amenities are briefly described below. For the purposes of this discussion, the Canyon Creek area is considered the area east of the locked gate on Drivers Flat Road. The area west of the gate is considered part of the Ruck-a-Chucky Recreation Area. To avoid redundancy, Drivers Flat Road is discussed in its entirety under the Ruck-a-Chucky Recreation Area section of this report.

The Canyon Creek area is shown on Map REC 1-25. As indicated, the Canyon Creek area primarily consists of an unpaved clearing with a picnic table, and a bathroom. The large clearing is used by commercial whitewater boating outfitters as a parking and turnaround area, and is therefore called a parking/turn-around area on Map REC 1-25. The clearing is approximately 2,500 square feet, roughly triangular in shape. It is unpaved (e.g., native surface) and is somewhat overgrown by vegetation due to low use. The parking/turn-around area is mainly used by California State Parks staff for facility maintenance activities purposes, and by commercial whitewater boating outfitters. The area can accommodate approximately 10–12 vehicles.

One heavy wood picnic table is located on the east side of the parking/turnaround area. The picnic table is not accessible and in fair condition due to graffiti.

One double-unit, compost toilet is located on the east side of the facility, approximately 650 feet upstream of the parking/turn-around area. The bathroom is a multi-story structure with a painted wood exterior and access ramp. The lower story is used for storage by ASRA and the upper story contains the toilets. The exterior is in good condition. The bathroom was locked during the site visit so the condition of the interior is unknown. The bathroom does not appear to be designed for persons with disabilities and is not labeled as handicap accessible. The access path is not accessible due to obstacles and a steep slope leading to the entrance ramp.

Aside from the facilities described above, the Canyon Creek area is undeveloped. Numerous user-created trails are present along the shoreline between the Canyon Creek area and the river. One sign is present along a trail located between the bathroom and the beach with the words “stay on trail.”

User Opinions Regarding Canyon Creek

The REC 2 – Recreation Visitor Surveys were not administered at Canyon Creek, per the REC 2 – TSP. Therefore, user opinions regarding Canyon Creek are unknown.

6.7.5 Ruck-a-Chucky Recreation Area

Ruck-a-Chucky Recreation Area is located about 15 miles downstream of Oxbow Powerhouse. This recreation area includes both overnight and day use facilities and supports a variety of activities including overnight camping, hiking, biking, equestrian use, fishing, and whitewater boating. The main recreation area includes five campsites, three parking areas, two boat ramps, a picnic site, and vault bathrooms. In addition, one picnic table is located east of the main facility, on the road to Canyon Creek. This facility is operated and maintained by ASRA.

Ruck-a-Chucky Recreation Area is accessible from the north side of the river via Drivers Flat Road. The road provides access to the Ruck-a-Chucky Recreation Area, where it is possible to cross the Middle Fork American River. The road also provides access to the WST and the McKeon-Ponderosa Road Trail. The road is used by private and commercial whitewater boaters who use the Ruck-a-Chucky Recreation area as a take-out for the Tunnel Chute Run, or as a put-in for the Mammoth Bar Run. The road is also used as a trail by equestrians to access the WST and by mountain bikers. A large unpaved parking area located at the top of the Drivers Flat Road, near its intersection with Foresthill Road, is used as a staging area by equestrians and mountain bikers.

Equestrians who participated in the focus group session expressed a concern about the possibility of Drivers Flat road being improved (e.g., paved) to accommodate other recreation uses. Paved roads are not desirable for horseback riding and may lead to conflicts with other users, particularly speeding drivers and bicyclists. Comments provided after the focus group session indicate that equestrians are not opposed to paving Drivers Flat Road, provided an alternative trail route is constructed, connecting the staging area to the WST (P. Gibbs, September 22, 2009).

It is possible to cross the river in the vicinity of the Ruck-a-Chucky Recreation Area. This crossing connects Drivers Flat Road and the McKeon-Ponderosa Road Trail on the north side of the river to the WST and Sliger Mine Road on the south side of the river. It also connects WST trail segments located on the north and south side of the river. This crossing is primarily used by hikers and is the main crossing used during the Western States 100 Endurance Run.

The Ruck-a-Chucky Crossing was identified by the Trail User/Stream Crossing Focus Group participants as one of five primary crossing locations along the peaking reach. Accordingly, this trail crossing was evaluated as part of the REC 4 – Stream-based Recreation Opportunities TSP. Detailed information about this river crossing is available in the REC 4 – Stream-based Recreation Opportunities TSR (PCWA 2009a).

Recreation Use

Recreation use at the Ruck-a-Chucky Recreation Area was estimated using use data provided by ASRA and using vehicle count data collected by PCWA.

ASRA Use Data

The ASRA charges a fee to use the Ruck-a-Chucky Recreation Area. The fee is collected at an “iron ranger” located in the recreation area. ASRA provided PCWA with the iron ranger data. Specifically, they provided PCWA with the number of envelopes collected at Ruck-a-Chucky Recreation Area. The information provided by ASRA did not distinguish between day use and overnight use. Therefore, it is not possible to ascertain from the fee envelopes the amount of day use versus the amount of overnight use. The data provided by ASRA was compiled by PCWA to determine total recreation use at Ruck-a-Chucky Recreation Area. The results are summarized below, organized by season. Note that the results are presented in “visits”, which is not comparable to RVDs. RVDs could not be determined using the ASRA data because the amount of day use versus overnight use is unknown (Pers. Comm. B. Greene, January 27, 2010).

ASRA Estimated Recreation Use at Ruck-a-Chucky Recreation Area (in Visits)

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 – Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
2,247.3	877.8	1,626.9	4,752

As indicated, use ranged from about 878 visits during the fall season to about 2,247 visits during the summer season. Use is heaviest during the summer and declines during the fall, winter and spring. The winter/spring data is approximately equivalent to the fall data when the number of days in each period is considered.

PCWA Vehicle Counts

PCWA conducted vehicle counts at Ruck-a-Chucky Recreation Area. The counts were then used to estimate recreation use in RVDs. The results are summarized below, organized by season. More detailed data for this site, including weekends, weekday, and holiday use, is provided in Appendix B.

Estimated Recreation Use at Ruck-a-Chucky Recreation Area (in RVDs)

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 – Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
2,101.2	690.4	1,289.9	4,082

As indicated, use ranged from 690.4 RVDs during the fall season to 2,101.2 RVDs during the summer season. In general, recreation at this site peaks during the summer and declines through the fall and winter when the area becomes less accessible due to weather conditions. Recreation begins to increase during the spring when weather conditions improve.

User Characteristics

A total of 40 people encountered at Ruck-a-Chucky Recreation Area completed Section A-1 (Background Information) and A-2 (Camping at Developed Sites) of the survey instrument. The responses of these 40 people were tabulated for analysis and are summarized by survey question on Tables C-28 and C-29 of Appendix C, respectively. Select results are discussed below.

Note that the REC 2 – Recreation Visitor Survey instrument also included a section with questions that were specifically designed to obtain information about day use at developed sites (Section A-3 – Day Use at Developed Sites). However, only 4 people encountered at the Ruck-a-Chucky Recreation Area completed this section. Therefore, the Section A-3 survey results were not analyzed.

The REC 2 – Recreation Visitor Survey instrument also included a section with questions pertaining specifically to day use along a stream (Section A-5 – Day Use along a Stream/River). A total of 61 people encountered at Ruck-a-Chucky completed this Section A-5 of the survey form. The results of these surveys were discussed in detail in the REC 4 – TSR and therefore are not reiterated in this report.

Recreation Activities

Survey participants were asked to identify the activities they engaged in during their visit. Multiple responses were accepted. All 40 people intercepted at Ruck-a-Chucky Recreation Area answered this question, with the following results:

- Camping at a developed site – 100% (40 people)
- Day use along a stream/river – 35.0% (14 people)
- Day use or camping in undeveloped areas – 5.0% (2 people)

All other responses were less than 3% and are summarized on Table C-28.

Vehicle Type

Survey participants were asked to identify the type of vehicle they used to drive to the area. All 40 people answered this question, and all respondents (100%) identified “car/SUV/Truck.”

Number of People in Vehicle

Survey participants were asked how many people were in their vehicle. All 40 people answered this question. The average number of people per vehicle was 3.2, with a standard deviation of 1.3.

Group Age Categories

Survey participants were asked how many people in their group were under 18 or over 18. All 40 people provided sufficient information to analyze. Based on the information provided, 75.3% of the people in each group were 18 or over and 24.7% were under 18.

Residence/Area of Origin

Survey participants were asked to identify their place of residence by zip code. All 40 people answered this question. The majority of respondents reside in the following three counties. All other responses were <6% and are summarized on Table C-28.

- Placer County – 43.6%
- Contra Costa County – 7.7%
- Sacramento County – 7.7%

Respondent's Age

Survey participants were asked the year they were born. A total of 38 people answered this question. The responses to this question were used to determine the average age of the survey participants, which was 32, with a standard deviation of 10.8.

Ethnicity

Survey respondents were asked to identify the cultural or ethnic group they most closely identify with. All 40 respondents answered this question, with the following results. The majority (82.5%) of respondents were White/Caucasian. Other responses included: Hispanic or Latino (5.0%), Native Hawaiian or Pacific Islander (5.0%), and other/multiracial (7.5%).

Primary Language

Survey participants were asked to identify their primary spoken language. A total of 37 people answered this question. The majority of respondents (97.3%) identified English as their primary spoken language, and one person (2.7%) identified both English and Spanish as their primary spoken languages.

Reasons for Visiting the Area

Survey participants were asked to identify the main reason they chose to visit the area. After excluding invalid responses, a total of 31 responses were analyzed, with the following results.

- The most frequent responses were “close to home” (29.0%) and “access to river/stream” (25.8%).
- Other responses included, in order of response rate: “lack of crowding” and “scenic quality of the area” (both 16.1%), “recreational activities/opportunities in the area” (9.7%), and “access to lake/reservoir” (3.2%).

Survey participants were also asked to specify any number of secondary reasons for visiting the area. A total of 31 people properly answered this question. Multiple responses were accepted.

- The most frequent response was “access to river/stream” (38.7%), followed by “scenic quality of the area” (35.5%).

- Other responses included, in order of response rate: “recreational activities/opportunities in the area” (19.4%), “access to lake/reservoir”, “close to home”, and “lack of crowding” (all 16.1%), and “cost of facility access fee” (12.9%).

Primary and Secondary Activities

Survey participants were asked to identify the activities they engaged in, or expected to engage in, during their trip. They were instructed to check one main activity and one or more secondary activities. The primary and secondary activities identified by the survey respondents are tabulated on Table REC 1-x and summarized below.

- A total of 26 people identified one main activity. The most frequent response was “camping in developed sites” (73.1%) followed by “gold panning/dredging” (11.5%).
- A total of 26 people identified one or more secondary activities. The most frequent responses were “stream swimming/water-play/sun bathing” (61.5%) and “relaxing” (57.7%).

Number of Nights Camping

Respondents were asked how many nights they would be camping during their visit. A total of 38 people answered this question. The responses to this question were used to determine the average number of nights that respondents camped, which was 2.7, with a standard deviation of 2.9.

Facility Assessment

An inventory of the amenities and features associated with Ruck-a-Chucky Recreation Area, including a condition assessment, was conducted on March 12, 2009. In addition, a detailed survey of Drivers Flat Road was conducted on October 13, 2008. The inventory is provided in Appendix V-1 and photographs of select features are provided in Appendix V-2. The detailed road survey results are presented in Tables REC 1-11 and REC 1-12. The primary facilities and amenities are briefly described below, beginning with Drivers Flat Road.

Drivers Flat Road

Drivers Flat Road provides access to the Ruck-a-Chucky Recreation Area and the Canyon Creek Recreation Area. Drivers Flat Road is 4.3 miles long as measured from its intersection with Foresthill Road to its terminus at Canyon Creek. The road is primarily used to access Ruck-a-Chucky Recreation Area. However, the road continues upstream from Ruck-a-Chucky Recreation to Canyon Creek. A locked gate prevents vehicular access by the general public beyond the Ruck-a-Chucky Recreation Area. The gate is approximately 14 feet long, made of painted steel, and in good condition.

For the most part, Drivers Flat is unimproved. Starting at its intersection with Foresthill Road, the upper 740 feet is paved, and then transitions to aggregate base for about

0.33 miles. With the exception of a concrete ford over Gas Canyon Creek, the remainder of the road is unimproved and has a native surface. This part of the road is steep and generally in poor condition, with many holes, large rocks, and exposed bedrock. Washboard is prevalent. A high clearance vehicle is recommended, particularly after spring rains, or when the road has not been graded. Twenty-five culverts are located along the road to prevent drainage problems during the winter and spring seasons. The locations and condition of these culverts are identified on Table REC 1-12.

Drivers Flat Road is maintained by California State Parks. ASRA staff estimate that the Department of Parks and Recreation heavy equipment operator and an assistant spend approximately eight to ten days per year grading and performing other maintenance activities along the road. California State Parks also performs emergency repairs on the road, including clearing debris from slides caused by erosion and weather. Emergency repairs are typically required about one to two days per year. However, during years with extreme storm events, repairs are needed more frequently and are generally more substantial (Pers. Comm. Jim Micheaels, January 25, 2010).

Parking Areas

The Ruck-a-Chucky Recreation Area is depicted on Maps REC 1-26 and REC 1-27. As indicated on Map REC 1-26, the main facility includes three parking areas, referred to for the purposes of this report as the Northwest Parking Area, the Boat Ramp Parking Area and the Southeast Parking Area. Additional parking is available in small unpaved turnouts throughout the facility and along Drivers Flat road to the locked gate (Map REC 1-27). Currently, a \$10 fee is required to park at the Ruck-a-Chucky Recreation Area.

The Northwest Parking Area is approximately 2,500 square feet and roughly rectangular in shape. The surface of the parking area consists of native soils, and erosion has uncovered large cobbles and other obstacles. The parking area is not striped but can accommodate approximately five vehicles with one designated handicap parking space.

The Southeast Parking Area is approximately 6,000 square feet and roughly triangular in shape. The parking area is not striped but can accommodate approximately eight vehicles and has one designated handicap space. The parking area is constructed of aggregate base rock and is generally in good condition. The Southeast Parking Area is accessible via a short access road identified on Map REC 1-26 as the Boat Ramp Access Road. The access road is approximately 180 feet long and 12 feet wide (single lane) as measured from the edge of Drivers Flat Road to the beginning of the Boat Ramp Parking Area. The road has an aggregate surface, and is generally in good condition.

The Boat Ramp Parking Area is approximately 10,000 square feet and is roughly rectangular in shape. The Boat Ramp Parking Area is constructed of aggregate base rock and is generally in good condition. It is not striped but can accommodate approximately twelve vehicles and has one designated handicap space.

Boat Ramps

Two boat ramps are available at the Ruck-a-Chucky Recreation Area. For the purposes of this report, one is referred to as the West Boat Ramp and the other is referred to as the East Boat Ramp. The boat ramps are shown on Map REC 1-26. Steel posts located at the top of each ramp restrict vehicle use along the ramps.

The West Boat Ramp is the primary boat ramp. This ramp is 12 feet wide and approximately 75 feet long, and is constructed of gravel and cobble. Overall, the ramp is in good condition. However, the surface of the ramp is not considered disabled accessible due to the presence of small obstacles and excessive slopes. A large boulder near the water creates a potential tripping hazard.

The East Boat Ramp is about 12 feet wide and approximately 120 feet long. The ramp has a gravel surface. Overall, it is in good condition and is functional as a boat ramp. However, the surface is not considered disabled accessible due to the presence of obstacles and steep slopes.

Access Stairway and Trails

A river access stairway is located on the south side of the main access road just below the Southeast Parking Area. The stairway is approximately 90-feet long and eight-feet wide, and consists of 24 stairs. The stairs are constructed of boulders with sand and gravel. Some of the stairs are unstable and in need of repair.

Numerous user-created trails are present throughout the Ruck-a-Chucky Recreation Area, but some are more evident than others (Map REC 1-26). One river access path is approximately 140-feet long, and is accessible from the Boat Ramp Access Road. Another river access path is only accessible through Campsite 4. This path is approximately 160-feet long. Both paths are unimproved, with unstable footing and steep slopes.

Campsites

Five primitive campsites are available at Ruck-a-Chucky Recreation Area. All of them are located on the south side of Drivers Flat Road, between the road and the river. Camping at Ruck-a-Chucky currently requires a \$25 dollar per night fee. Overnight camping is limited to a 14-continuous day maximum stay.

Each campsite includes a parking spur with adequate parking for one or two vehicles, a site marker, a fire ring with steel grill and at least one picnic table. None of the sites are considered disabled accessible due to unlevel surfaces and the presence of obstacles. All of the site markers and fire rings are in fair to good condition. Campsites 1–3 have one plastisol coated iron table in each site. Campsite 4 is larger than the other sites and therefore has two picnic tables. Both are heavy wood tables in poor condition. Campsite 5 has one concrete table in poor condition.

Picnic Sites

Two picnic sites are available at Ruck-a-Chucky. One is located adjacent to the River Access Stairway and the other is located along Drivers Flat Road between the main Ruck-a-Chucky Recreation Area and Canyon Creek (Maps REC 1-26 and REC 1-27). Each site consists of a one concrete picnic table. Both tables are in good condition, but neither is disabled accessible. In addition, the area around each table is not accessible due to uneven terrain and obstacles. Accessing the latter requires walking down a short access trail from the road. The access trail is steep with uneven terrain and is not considered accessible.

Other Amenities

The Northwest Parking area includes two bathrooms, two bear-proof garbage cans (2-bin), and a self registration area.

- Two single-unit, accessible, vault bathrooms are located adjacent to each other in the Northwest Parking Area. They both contain one coed section with one toilet and two support rails. Both bathrooms are constructed with a wood and cobble exterior set on a cement foundation. Both are in good condition.
- Two bear-proof garbage containers are available in the Northwest Parking Area. The garbage containers are in good condition.
- The fee station is located in the Northwest Parking Area. It consists of an information board, a painted aluminum envelope box mounted on a steel depository tube (iron ranger) and a painted aluminum sign attached to a steel post with instructions and regulations. The information board is in new condition and constructed of redwood with a shingled roof, but does not contain any signs.

The Southeast Parking area includes one bathroom and one bear-proof garbage container.

- The bathroom is a single unit, accessible structure, constructed with a wood and cobble exterior set on a cement foundation. It is in good condition and meets accessibility standards but is missing the indicator sign.
- The bear-proof garbage container is good condition but does not meet accessibility standards due to the handle design.

Several additional garbage containers are located throughout the recreation area and along Drivers Flat Road.

- One bear-proof garbage container is located on the north side of the Boat Ramp Parking Area. It is in good condition but not considered accessible due to the handle design.

- One bear-proof garbage container is located approximately 400 feet west of the river access stairway on the south side of the access road. It is in good condition but not considered accessible due to the handle design.
- One bear-proof garbage container is located on the south side of Drivers Flat Road across from the turn-out area. The container is not accessible due to the handle design and is in good condition; however the back of the container is covered in graffiti.

Signage throughout the Ruck-a-Chucky Recreation Area includes regulatory, directional, informational, site identification, and fee area signs. An inventory of the signage, including condition, is available in Appendix V-1. Generally, all of the signage is in fair to good condition.

User Opinions Regarding the Ruck-a-Chucky Recreation Area

A total of 40 people encountered at Ruck-a-Chucky Recreation Area completed Section A-1 (Background Information) and (Section A-2 – Camping at Developed Sites) of the survey instrument. The responses of these 40 people were tabulated for analysis and are summarized on Tables C-28 and C-29 of Appendix C, by survey question. Select results are discussed below. The Section A-3 (Day Use at Developed Sites) responses were not analyzed so the information presented below is based on information collected through Sections A-1 and A-2 of the survey form.

Importance of Facilities and Amenities

Survey participants were asked to rate the importance of various facilities and amenities when choosing the area to recreate. The responses to this question are summarized on Table C-28 and pertinent responses are summarized below.

- 48.7% (19 of 39 people) said developed campsites are very important (35.9%) or important (12.8%). Ten people (25.6%) said developed campsites are somewhat important and ten people (25.6%) said that developed campsites are not important.
- 47.5% (19 of 40 people) said flush restrooms are very important (27.5%) or important (20.0%). Seven people (17.5%) said that flush restrooms are somewhat important and 14 people (35.0%) said they are not important.
- 51.2% (20 of 39 people) said drinking water is very important (33.3%) or important (17.9%). Ten people (25.6%) said drinking water is somewhat important. Nine people (23.1%) said that drinking water is not important.
- 44.7% (17 of 38 people) said river put-in/take outs are very important (28.9%) or important (15.8%). Seven people (18.4%) said that river put-in/take outs are somewhat important and 14 people (36.8%) said they are not important.
- 72.5% (29 of 40 people) said hiking trails are very important (40.0%) or important (32.5%). Seven people (17.5%) said hiking trails are somewhat important and four people (10.0%) said they are not important.

- 33.3% (12 of 36 people) said that interpretative/educational exhibits/information is very important (25.0%) or important (8.3%). Five people (13.9%) said interpretative/educational exhibits/information is somewhat important and 19 people (52.8%) said is not important.

Information Resources

Survey participants were asked to rate the availability and adequacy of various information resources. The responses to this question are summarized on Table C-28 and pertinent responses are summarized below.

- 40.0% (14 of 35 people) said interpretive/educational information is acceptable. One person (2.9%) said it is not acceptable. Nine people (25.7%) said it is not applicable.
- 45.7% (16 of 35 people) said recreation visitor information is acceptable. Five people (14.3%) said it is not applicable.
- 54.1% (20 of 37 people) said safety/warning information is acceptable. Four people (10.8%) said it is not acceptable. Two people (5.4%) said it is not applicable.
- 33.3% (12 of 36 people) said reservoir water surface elevation information is acceptable. Two people (5.6%) said it is not acceptable. Eight people (22.2%) said it is not applicable.
- 44.4% (16 of 36 people) said river/stream flow information is acceptable. Four people (11.1%) said it is not acceptable. Three people (8.3%) said it is not applicable.

Overall Recreation Experience

Survey respondents were asked to rate their overall recreation experience using a satisfaction scale.

- 92.3% (36 of 39 people) said they were either very satisfied (56.4%) or satisfied (35.9%) with their overall recreation experience.

Additional Recreation Facilities, Amenities or Opportunities

Survey respondents were asked if there are any additional recreation facilities, amenities, or opportunities that would improve their recreation experience. A total of 33 people answered this question.

- Most people (78.8%) said “no.”
- Seven people (21.2%) said “yes.” Six people provided one or more comments that fall into the following categories: drinking water (2); better access (1); more signage (1); restrooms (1); roads (1); and showers (1).

First Choice Campground

Respondents were asked if they were able to camp at their first choice campground, and if not, they were asked to specify their first choice. A total of 39 people answered this question.

- 84.6% (33 of 39 people) said “yes.”
- 15.4% (6 of 39 people) said “no.”
- Three respondents who answered “no” provided their first choice campgrounds, as follows: (1) “beach with fire pit,” (2) “close to water,” and (3) “on the beach.”

Method of Camping

Respondents were asked what method they used to camp. All 40 people answered this question, with the following results:

- Tent – 85.0% (34 people)
- Outside or “open air” – 10.0% (4 people)
- Truck – 2.5% (1 person)
- Multiple methods – 2.5% (1 person)

Campground Factors

Survey respondents were asked to rate various factors concerning the campground they stayed in. The responses to this question are summarized on Table C-29 and pertinent responses are summarized below.

- 74.4% (29 of 39 people) said campsite availability is acceptable. One person (2.6%) said it is not acceptable.
- 79.5% (31 of 39 people) said campsite condition is acceptable.
- 71.8% (28 of 39 people) said campsite cleanliness is acceptable. Two people (5.1%) said it is not acceptable.
- 51.4% (18 of 35 people) said adequacy of campsite screening is acceptable.
- 56.8% (21 of 37 people) said adequacy of campsite shading is acceptable. Two people (5.4%) said it is not acceptable.
- 66.7% (26 of 39 people) said restroom condition is acceptable. One person (2.6%) said it is not acceptable.
- 69.2% (27 of 39 people) said restroom cleanliness is acceptable. One person (2.6%) said it is not acceptable.
- 28.6% (10 of 35 people) said drinking water availability is acceptable. Twenty-one people (60.0%) said it is not acceptable.
- 76.9% (30 of 39 people) said trash disposal is acceptable. Three people (7.7%) said it is not acceptable.
- 82.1% (32 of 39 people) said parking availability is acceptable.

- 83.8% (31 of 37 people) said parking area condition is acceptable. Two people (5.4%) said it is not acceptable.
- 33.3% (11 of 33 people) said adequacy of food storage lockers is acceptable. Seventeen people (51.5%) said it is not acceptable.
- 32.3% (10 of 31 people) said condition of food storage lockers is acceptable. Eighteen people (58.1%) said it is not acceptable.
- 62.9% (22 of 35 people) said parking spur size is acceptable. Six people (17.1%) said it is not acceptable.
- 53.8% (21 of 39 people) said road condition in campground is acceptable. Nine people (23.1%) said it is not acceptable.
- 71.8% (28 of 39 people) said adequacy of road size in campground is acceptable. One person (2.6%) said it is not acceptable.
- 76.3% (29 of 38 people) said cost of campground fee is acceptable. One person (2.6%) said it is not acceptable.
- 77.1% (27 of 35 people) said adequacy of law enforcement personnel is acceptable. Three people (8.6%) said it is not acceptable.

Adequate Services and Facilities

Survey respondents were asked if the services and/or facilities at the campground were adequate for any physically impaired person in their party. A total of 38 people answered this question. People who answered “no” were asked to explain their answer.

- The majority of respondents (60.5%) said that the question was not applicable.
- Six people (15.8%) said “yes.”
- Nine respondents (23.7%) said “no,” but only one explained their answer, as follows: “need for persons disabled to reach the river/non-etiquette.”

Recreation Experience Affected by Other Factors

Survey respondents were asked if their recreation experience was negatively affected by crowding or other activities taking place. People who answered “yes” were asked to explain their answer.

- 92.3% of the respondents (36 of 39 people) said that they were not affected by crowding.
- 86.5% of the respondents (32 of 37 people) said that they were not affected by other activities taking place.
- Two of the respondents that were negatively affected by other activities taking place provided explanations, as follows: (1) “dredgers with generator equipment on beaches!” and (2) “previous campers’ messiness.”

Overall Recreation Experience at Campground

Survey respondents were asked to rate their overall recreation experience at the specified campground using a satisfaction scale.

- 97.5% (38 of 39 people) said they were either very satisfied (66.7%) or satisfied (30.8%) with their overall recreation experience at Ruck-a-Chucky Campground.

6.7.6 Cherokee Bar

Cherokee Bar is located on the Middle Fork American River, across from the Ruck-a-Chucky Recreation Area described above. It is accessible from the south side of the river via the Sliger Mine Road. This road is unimproved and a high clearance vehicle is recommended. There are no developed recreation facilities or amenities at Cherokee Bar.

Boat-in camping is allowed at Cherokee Bar. All camping gear must arrive at camp by boat. That is, it can not be transported to Cherokee Bar via Sliger Mine Road (B. Deitchman. E-mail dated November 3, 3009). Camping by commercial outfitters is allowed under their Whitewater Concession Contract. Private boaters must obtain a River Camping Permit. Camping by non-boaters is not allowed due to fire and sanitation issues. This policy is currently under review by ASRA. (Pers. Comm. Kris Dey, Whitewater Recreation Office, California State Parks, February 17, 2010).

Recreation Use

The ASRA does not collect recreation use data at this site. Therefore, recreation use was estimated using vehicle count data collected by PCWA. The results are summarized below, organized by season. More detailed data for this site, including weekends, weekday, and holiday use, is provided in Appendix B.

Estimated Recreation Use at Cherokee Bar (in RVDs)

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 – Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
289.5	81.9	372.4	744

As indicated, use ranged from 81.9 RVDs during the fall to about 372.4 RVDs during the winter/spring season. It is not clear why use levels declined in fall relative to summer. The winter/spring period covers a substantially longer period than the summer and fall periods, which make the winter/spring data appear high compared to the summer and fall data.

User Characteristics

The REC 2 – Recreation Visitor Surveys were not administered at Cherokee Bar, per the REC 2 – TSP. Therefore, user characteristics are unknown.

Facility Assessment

There are no facilities at Cherokee Bar. As such, a detailed facility assessment was not conducted. This area is characterized above.

User Opinions Regarding Cherokee Bar

The REC 2 – Recreation Visitor Surveys were not administered at Cherokee Bar, per the REC 2 – TSP. Therefore, user opinions are unknown.

6.7.7 Poverty Bar

Poverty Bar is located on the Middle Fork of the American River, about 18 miles downstream of Oxbow Powerhouse. There are no developed recreation facilities at Poverty Bar. Overnight camping is not allowed.

Poverty Bar can be reached from the north and south sides of the river from the WST, which crosses the river in this location. It can also be reached from the south side of the river via the American Canyon Trail.

The Poverty Bar Crossing was identified by the Trail User/Stream Crossing Focus Group participants as one of five primary crossing locations along the peaking reach. Accordingly, this trail crossing was evaluated as part of the REC 4 – Stream-based Recreation Opportunities TSP. Detailed information about this river crossing is available in the REC 4 – Stream-based Recreation Opportunities TSR (PCWA 2009a).

Recreation Use

The ASRA does not collect use data at Poverty Bar. In addition, vehicle counts were not conducted at this location. Therefore, recreation use levels at Poverty Bar are unknown.

User Characteristics

The REC 2 – Recreation Visitor Surveys were not administered at Poverty Bar, per the study plan. Therefore, user characteristics and opinions are unknown. However, according to the Trail User/Stream Crossing Focus Group participants, the Poverty Bar are and crossing is used by hikers and equestrians. The Poverty Bar Crossing is also used as a primary river crossing during the Tevis Cup Endurance Ride. This crossing is not used by mountain bikers because mountain biking is not allowed on the trails in this area.

Facility Assessment

There are no facilities in the Poverty Bar area. As such, a detailed facility assessment was not conducted. This area is characterized above.

User Opinions Regarding Poverty Bar

The REC 2 – Recreation Visitor Surveys were not administered at Poverty Bar, per the REC 2 – TSP. Therefore, user opinions are unknown.

6.7.8 American Canyon

The American Canyon Trail extends from the Sweetwater Trailhead off of Highway 193, near Sliger Mine Road to the Middle Fork American River. This trail descends about 2.4 miles down the American River Creek Canyon, crossing Hoboken Canyon before intersecting the Middle Fork American River near Poverty Bar. The American Canyon Trail is actually one segment of a larger loop trail referred to as the American Canyon Loop, and connects to the WST at Poverty Bar. It is open to both hikers and equestrian users. Mountain biking is prohibited on this trail. There are no facilities or amenities located along the American Canyon Trail or at the trailhead.

Recreation Use

The ASRA does not collect use data along the American Canyon Trail and PCWA did not conduct vehicle counts at the trailhead. Therefore, the level of recreation use along the American Canyon trail is unknown.

User Characteristics

The REC 2 – Recreation Visitor Surveys were not administered along the American Canyon Trail, per the REC 2 – TSP. Therefore, user characteristics are unknown.

Facility Assessment

Other than a trail, there are no facilities along the American River Trail. As such, a detailed facility assessment was not conducted. This area is characterized above.

User Opinions Regarding American Canyon

The REC 2 – Recreation Visitor Surveys were not administered along the American Canyon Trail, per the study plan. Therefore, user characteristics and opinions are unknown.

6.7.9 Mammoth Bar

Mammoth Bar is located on the Middle Fork of the American River about 22 miles downstream of Oxbow Powerhouse. It is managed by California State Parks as a day use facility. The majority of the site has been developed for off-highway-vehicle (OHV) use, with a motocross track and numerous trails that are designated for OHV use.

Other amenities include chemical toilets, picnic tables, shade structures, and parking areas. Due the presence of the OHV track, this facility is primarily used for OHV purposes. However, it also supports stream based activities such as angling and is used as a take-out or put-in by whitewater boaters.

During the spring and summer (April 1 through September 30) Mammoth Bar is open to the public from 8:00 AM until one half hour after sunset from. During the fall and winter schedule is (October 1st thru March 31st) Mammoth Bar is open from 8:00 AM to 5:00 P.M. In 2008, use of the site required a \$5.00 entrance fee. In 2009, the fee was raised to \$10 per vehicle.

During the summer, the OHV trails are open for use on Sundays, Mondays, and Thursdays. OHV use is prohibited on Saturdays, Tuesdays, Wednesdays, and Fridays. There is very little use of this site by other types of users during the days that Mammoth Bar is open to OHVs. In fact, during PCWA's visitor surveys, use of this site by other users on OHV days was so low that it was difficult to find visitors to survey. In order to complete the required number of surveys, the survey timing was modified so that surveys were conducted only on non-OHV days.

Mammoth Bar can be reached by taking either Foresthill Road to Old Foresthill Road, or by taking Highway 49 to Old Foresthill Road and following the signs. The access road down to the facility is paved and in good condition. A small gravel area with an iron ranger is present on the side of the road. Users can stop and place their use fee in the iron ranger before proceeding. One bear-proof garbage container (2-bin), one chemical toilet, and an information board with payment instructions are present in this turnout.

Mammoth Bar consists of two areas. The first is a large unpaved parking area designated for OHV users. OHV courses are located on either side. This area includes:

- 10 picnic tables, two of which are covered with shade shelters;
- 6 bear-proof garbage containers (2 bin);
- 2 recycling receptacles;
- 6 chemical toilets, 1 of which is handicap accessible;
- 2 information boards with various warnings and OHV information; and
- 1 cooking grill.

The second area is located a short distance past the OHV parking area, near the river, adjacent to a large cobble bar that can be used for parking. This area includes:

- 4 picnic tables all covered by a shade shelter
- 2 cooking grills next to the picnic tables;
- 1 sign board;
- 2 bear-proof garbage containers (2 bin);
- 2 recycling receptacles; and

- 2 chemical toilets.

The cobble bar is used by whitewater boaters as the take-out for the Mammoth Bar Run. It may also be used as a put-in for the Murderer's Bar run, but this would involve portaging Murderer's Bar Rapid located immediately downstream. The cobble bar is also used by stream side users and as overflow parking by OHV users. The parking area is lined by a few boulders to keep the vehicles in safe areas and is only a short walk away from the river. This area of the facility is very close to the OHV courses, resulting in noise, fumes, and dust that discourage stream-side use on OHV days.

It is possible to cross the river at Mammoth Bar. This crossing connects the Quarry Road Trail on the south side of the river to the Confluence Trail and Mammoth Bar OHV area on the north side of the river. This crossing was identified by the Trail User/Stream Crossing Focus Group as one of five primary stream crossings along the peaking reach. Accordingly, the Mammoth Bar stream crossing was evaluated as part of the REC 4 – TSP. Detailed information about this crossing is available in the REC 4 – Stream-based Recreation Opportunities TSR (PCWA 2009).

Existing Recreation Use

The ASRA records use at Mammoth Bar using day use receipts. In 2008, the site received 10,653 visitors (pers. com., L. Bartlett, April 20, 2009). The ASRA does not differentiate OHV use from stream based use. Therefore, PCWA conducted vehicle counts to determine how much stream-based recreation use may occur at Mammoth Bar. The results are summarized below, organized by season. More detailed data for this site, including weekends, weekday, and holiday use, is provided in Appendix B. Note that the data below is based on the number of vehicles counted along the large gravel bar where stream-side users tend to park, shown on Map REC 1-28 as site L9a. The L9b results were not included in the data because vehicles parked in this location appear to be associated with OHV use.

Estimated Recreation Use at Mammoth Bar (L9a) (in RVDs)

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 – Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
771.5	405.1	1,777.7	2,954

As indicated, use ranged from 771.5 RVDs during the summer season to about 1,777.7 RVDs during the winter/spring season. The higher use numbers during the winter/spring period can be attributed to two factors. First, the winter/spring period covers a substantially longer period than the summer and fall periods, which make the winter/spring data appear high compared to the summer and fall data. Second, some of the vehicles counted at Mammoth Bar may be related to OHV use. The OHV area is open for an additional day during the winter/spring period. The higher counts during the winter/spring suggests that some of the vehicles counted at L9a may be associated with

OHV use, despite the efforts to identify only those areas that would be used by stream-based users.

User Characteristics

The REC 2 – Recreation Visitor Surveys were administered at select stream side locations at Mammoth Bar. The survey locations were identified with ASRA representatives and the survey protocols focused on intercepting recreation visitors participating in stream-based recreation opportunities. OHV users were not targeted for surveys. A total of 30 encountered at Mammoth Bar completed Section A-1 (Background Information) of the survey form. The responses of these 30 people were tabulated for analysis and are summarized on Table C-30 of Appendix C, by survey question. Select results are discussed below.

The REC 2 – Recreation Visitor Survey instrument included a section with questions that were specifically designed to obtain information about day use at developed sites (Section A-3 – Day Use at Developed Sites), including user opinions. However, nobody encountered at Mammoth Bar completed this section.

The REC 2 – Recreation Visitor Survey instrument also included a section with questions pertaining specifically to day use along a stream (Section A-5 – Day Use along a Stream/River). A total of 28 people encountered at Mammoth Bar completed this section of the survey form. The results of these surveys were discussed in detail in the REC 4 – TSR.

Recreation Activities

Survey participants were asked to identify the activities they engaged in during their visit. Multiple responses were accepted. All 30 people intercepted at Mammoth Bar answered this question, with the following results:

- Day use along a stream/river – 96.7% (29 people)
- Fishing – 10.0% (3 people)

Vehicle Type

Survey participants were asked to identify the type of vehicle they used to drive to the area. A total of 29 people answered this question. All respondents (100%) identified “car/SUV/Truck.”

Number of People in Vehicle

Survey participants were asked how many people were in their vehicle. A total of 29 people answered this question. The average number of people per vehicle was 3.2, with a standard deviation of 1.9.

Group Age Categories

Survey participants were asked how many people in their group were under 18 or over 18. A total of 29 people provided sufficient information to analyze. Based on the information provided by these respondents, 83.5% of the people in each group were 18 or over and 16.5% were under 18.

Residence/Area of Origin

Survey participants were asked to identify their place of residence by zip code. A total of 29 people answered this question. The majority of respondents reside in the following two counties. All other responses were <7% and are summarized on Table C-30.

- Placer County – 62.1%
- Yolo County – 10.3%

Respondent's Age

Survey participants were asked the year they were born. A total of 28 people answered this question. The responses to this question were used to determine the average age of the survey participants, which was 39.4, with a standard deviation of 13.0.

Ethnicity

Survey respondents were asked to identify the cultural or ethnic group they most closely identify with. A total of 29 people answered this question, with the following results. The majority (82.8%) of respondents were White/Caucasian. Other responses included: American Indian or Native Alaskan (6.9%), Asian (3.4%), Hispanic or Latino (3.4%), and other/multiracial (3.4%).

Primary Language

Survey participants were asked to identify their primary spoken language. A total of 28 people answered this question. The majority of respondents (96.4%) identified English as their primary spoken language, and one person (3.6%) identified Pashtu as their primary spoken language.

Reasons for Visiting the Area

Survey participants were asked to identify the main reason they chose to visit the area. After excluding invalid responses, a total of 17 responses were analyzed, with the following results.

- The most frequent responses were “access to river/stream” (47.1%), followed by “close to home” (23.5%).
- Other responses included: “recreational activities/opportunities in the area” (17.6%), and “access to lake/reservoir” and “scenic quality of the area” (both 5.9%).

Survey participants were also asked to specify any number of secondary reasons for visiting the area. A total of 17 people properly answered this question. Multiple responses were accepted.

- The most frequent responses were “close to home” and “lack of crowding” (both 29.4%).
- Other responses included, in order of frequency: “access to river/stream”, “recreational activities/opportunities in the area”, and “scenic quality of the area”

(all 17.6%), and “access to lake/reservoir”, “cost of facility access fee”, “presence of on-site manager/host”, and “other” (all 5.9%).

Primary and Secondary Activities

Survey participants were asked to identify the activities they engaged in, or expected to engage in, during their trip. They were instructed to check one main activity and one or more secondary activities. The primary and secondary activities identified by the survey respondents are tabulated on Table C-30 and summarized below.

- A total of 18 people identified one main activity. The most frequent response was “stream swimming/water-play/sun bathing” (44.4%), followed by “gold panning/dredging”, “reservoir swimming/water-play/sun bathing”, and “whitewater boating” (all 11.1%).
- A total of 18 people identified one or more secondary activities. The most frequent response was “relaxing” (27.8%).

Facility Assessment

A detailed assessment of Mammoth Bar was not conducted, per the REC 1 – TSP. This area is characterized above.

User Opinions Regarding Mammoth Bar

A total of 30 people encountered at Mammoth Bar completed Section A-1 (Background Information) of the survey form. The responses of these 30 people were tabulated for analysis and are summarized on Table C-30, by survey question. Select results are discussed below. Nobody encountered at Mammoth Bar completed Section A-3 of the survey instrument.

Importance of Facilities and Amenities

Survey participants were asked to rate the importance of various facilities and amenities when choosing the area to recreate. The responses to this question are summarized on Table C-30 and pertinent responses are summarized below.

- 25.0% (6 of 24 people) said developed picnic sites are very important (8.3%) or important (16.7%). Twelve people (50.0%) said developed picnic sites are somewhat important and six people (25.0%) said that developed picnic sites are not important.
- 60.0% (15 of 25 people) said flush restrooms are very important (28.0%) or important (32.0%). Two people (8.0%) said that flush restrooms are somewhat important and eight people (32.0%) said they are not important.
- 72.0% (18 of 25 people) said drinking water is very important (40.0%) or important (32.0%). Seven people (28.0%) said that drinking water is not important.
- 65.2% (15 of 23 people) said river put-in/take outs are very important (43.5%) or important (21.7%). One person (4.3%) said that river put-in/take outs are somewhat important and seven people (30.4%) said they are not important.

- 70.8% (17 of 24 people) said hiking trails are very important (37.5%) or important (33.3%). Two people (8.3%) said hiking trails are somewhat important and five people (20.8%) said they are not important.
- 40.9% (9 of 22 people) said that interpretative/educational exhibits/information is very important (18.2%) or important (22.7%). Five people (22.7%) said interpretative/educational exhibits/information is somewhat important and eight people (36.4%) said it is not important.

Information Resources

Survey participants were asked to rate the availability and adequacy of various information resources. The responses to this question are summarized on Table C-30 and pertinent responses are summarized below.

- 56.5% (13 of 23 people) said interpretive/educational information is acceptable. One person (4.3%) said it is not acceptable. Six people (26.1%) said it is not applicable.
- 60.9% (14 of 23 people) said recreation visitor information is acceptable. One person (4.3%) said it is not acceptable and four people (17.4%) said it is not applicable.
- 77.8% (21 of 27 people) said safety/warning information is acceptable. Three people (11.1%) said it is not applicable.
- 54.5% (12 of 22 people) said reservoir water surface elevation information is acceptable. One person (4.5%) said it is not acceptable. Six people (27.3%) said it is not applicable.
- 70.4% (19 of 27 people) said river/stream flow information is acceptable. Three people (11.1%) said it is not acceptable. Three people (11.1%) said it is not applicable.

Overall Recreation Experience

Survey respondents were asked to rate their overall recreation experience using a satisfaction scale.

- 100% (30 people) said they were either very satisfied (73.3%) or satisfied (26.7%) with their overall recreation experience.

Additional Recreation Facilities, Amenities or Opportunities

Survey respondents were asked if there are any additional recreation facilities, amenities, or opportunities that would improve their recreation experience. A total of 22 people answered this question.

- Most people (86.4%) said “no.”
- Three people (13.6%) said “yes.” All three people provided comments that fall into the following categories: more developments (1); restrooms (1); and roads (1).

6.7.10 Murderer's Bar

Murderer's Bar is located immediately downstream of Mammoth Bar. Murderer's Bar can be accessed via a foot path that begins at a small parking area located on the Mammoth Bar access road and ends at a small beach adjacent to the river. One bear-proof garbage container is available in the parking area.

Murderer's Bar is the site of a dangerous Class V+ rapid. This rapid can be portaged using a portage trail on river right. The trail is about 1,100 feet long, is very rough and rocky, and lined with poison oak.

Recreation Use

ASRA does not collect use data at Murderer's Bar. However, PCWA conducted vehicle counts Murderer's Bar Trailhead turnout/parking area when conducting the vehicle counts at Mammoth Bar. The location of the turnout is shown as site L9c on Map REC 1-28. The results are summarized below, organized by season. More detailed data for this site, including weekends, weekday, and holiday use, is provided in Appendix B.

Estimated Recreation Use at the Murderer's Bar Trailhead (L9c) (in RVDs)

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 – Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
477.7	98.2	135.4	711

User Characteristics

The REC 2 – Recreation Visitor Surveys were not administered at Murderer's Bar, per the REC 2 – TSP. Therefore, user characteristics and opinions are unknown.

Facility Assessment

A detailed assessment of Murderer's Bar was not conducted, per the REC 1 – TSP. This area is characterized above. Other than a parking turnout and a footpath, there are no facilities in this location.

User Opinions Regarding Murderer's Bar

The REC 2 – Recreation Visitor Surveys were not administered at Murderer's Bar, per the study plan. Therefore, user characteristics and opinions are unknown.

6.7.11 Quarry Road Trailhead

The Quarry Road Trailhead is located at the confluence of the Middle Fork and North Fork of the American River. The trailhead is located just off of Highway 49, just south of where Highway 49 crosses the confluence. The trailhead was recently rehabilitated and

currently consists of a gravel parking area that can accommodate 12–15 vehicles, one picnic table, one sign board, and one round garbage container. Potable water is not available. Parking requires a \$10 fee.

From the parking area, a short native-surface path leads to a gated trailhead. The Quarry Road Trail continues upstream, along the south side of the Middle Fork American River. The trail is wide and level and follows the route of the gold rush era Grand Flume. The Quarry Road Trail is about 5.6 miles long but ties into several other trails including the WST.

Recreation Use

The ASRA does not collect recreation use data at the Quarry Road Trailhead. Therefore, recreation use was estimated using vehicle count data collected by PCWA. The results are summarized below, organized by season. More detailed data for this site, including weekends, weekday, and holiday use, is provided in Appendix B.

Estimated Recreation Use at the Quarry Road Trailhead (in RVDs)

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 – Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
2,970.2	2,462.6	5,026.6	10,459

User Characteristics

Visitor surveys were conducted at the Quarry Road Trailhead. However, survey participants encountered at this location were not differentiated from those encountered in the Confluence Area. Therefore, the characteristics of the people encountered at the Quarry Trailhead are the same as those described below under the Confluence Area.

Facility Assessment

A detailed assessment of the Quarry Road Trailhead was not conducted, per the REC 1 – TSP. The facilities in this area are characterized above.

User Opinions Regarding Quarry Road Trailhead

Visitor surveys were conducted at the Quarry Road Trailhead. However, survey participants encountered at this location were not differentiated from those encountered in the Confluence Area. Therefore, the opinions of the people encountered at the Quarry Road Trailhead are the same as those described below under the Confluence Area.

6.7.12 Confluence Area

This area is located at the confluence of the North Fork and Middle Fork American Rivers, about 24 miles downstream of Oxbow Powerhouse. The area is easily accessible from Auburn, via Highway 49. The area is not well defined and dispersed use occurs over a broad area along both the North and Middle Forks of the American River, where trails, Highway 49, and Old Foresthill Road provide ample access to the rivers. The Confluence is one of the most popular use areas for swimming, sunbathing, and trail access in ASRA. Camping is not allowed in the Confluence. Day use is free.

Vault toilets and a limited amount of parking are available in three locations near the Confluence, as described in the following:

- One parking area is located on the south side of the North Fork American River, along Old Foresthill Road. Amenities include one chemical portable toilet and three 2-bin bear-proof garbage containers. Several signs warning about unpredictable water levels are also present. Numerous user-created trails connect this parking area to a beach at the confluence of the North and Middle Forks of the American River.
- One parking area is located on the south side of the North Fork American River, just east of Highway 49, along the Old Foresthill Road. This area serves as a trailhead for the Lake Clementine Trail. It consists of a small unpaved parking area with one trash can. The trailhead is gated.
- A third parking area is located on the north side North Fork American River, near the junction of Highway 49 and Old Foresthill Road. This parking area is unpaved and has no marked stalls. Amenities include one handicap accessible chemical toilet, two 2-bin bear-proof garbage containers, and one bulletin board with information about the Confluence area.

Aside from these parking areas, a limited amount of parking is also available in turn outs along Highway 49 and Old Foresthill Road. These areas can become very congested on peak summer weekends and holidays.

Existing Recreation Use

The ASRA does not collect recreation use data in the Confluence Area. Therefore, recreation use was estimated using vehicle count data collected by PCWA. The results are summarized below, organized by season. More detailed data for these sites, including weekends, weekday, and holiday use, is provided in Appendix B.

Estimated Recreation Use at the Confluence Area (in RVDs)

Summer (May 26, 2007 – Sep. 3, 2007)	Fall (Sep. 4, 2007 – Nov. 30, 2007)	Winter/Spring (Dec. 1, 2007 – May 23, 2008)	Total
28,369.6	8,957	22,038.5	59,365

As indicated, recreation use in the Confluence Area is highest during the summer, and significantly declines during the fall. The winter/spring period covers a substantially longer period than the summer and fall periods, which make the winter/spring data appear high compared to the summer and fall data.

User Characteristics

The REC 2 – Recreation Visitor Surveys were administered in the Confluence Area and at the Quarry Road Trailhead. A total of 108 people encountered in these two areas completed Section A-1 (Background Information) of the survey form. The responses of these 108 people were tabulated for analysis and are summarized on Table C-31 of Appendix C, by survey question. Select results are discussed below.

Nobody encountered at the Confluence or at the Quarry Road Trailhead completed Section A-3 (Day Use at Developed Sites). A total of 93 people encountered in these two areas completed Section A-5 (Day Use along a Stream or River). The results of these surveys are discussed in detail in the REC 4 – TSR and are therefore not reiterated in this report.

Recreation Activities

Survey participants were asked to identify the activities they engaged in during their visit. Multiple responses were accepted. All 108 people intercepted at the Confluence Area and Quarry Trailhead answered this question, with the following results:

- Day use along a stream/river – 94.4% (102 people)
- Day use at a developed site – 5.6% (6 people)

All other responses were less than 2% and are summarized on Table C-31.

Vehicle Type

Survey participants were asked to identify the type of vehicle they used to drive to the area. All 108 people answered this question. The majority of people (89.8%) identified “car/SUV/Truck.” Five people (4.6%) identified camper/RV and six people (5.6%) identified “other.”

Number of People in Vehicle

Survey participants were asked how many people were in their vehicle. A total of 106 people answered this question. The average number of people per vehicle was 2.7, with a standard deviation of 1.6.

Group Age Categories

Survey participants were asked how many people in their group were under 18 or over 18. A total of 107 people provided sufficient information to analyze. Based on the information provided by these respondents, 73.8% of the people in each group were 18 or over and 26.2% were under 18.

Residence/Area of Origin

Survey participants were asked to identify their place of residence by zip code. A total of 104 people answered this question. The majority of respondents reside in the following three counties. All other responses were <2% and are summarized on Table C-31.

- Placer County – 66.3%
- Sacramento County – 14.4%
- El Dorado County – 4.8%

Respondent's Age

Survey participants were asked the year they were born. A total of 104 people answered this question. The responses to this question were used to determine the average age of the survey participants, which was 38.5, with a standard deviation of 12.3.

Ethnicity

Survey respondents were asked to identify the cultural or ethnic group they most closely identify with. All 108 people answered this question, with the following results. The majority (86.1%) of respondents were White/Caucasian. Other responses included: Hispanic or Latino and Native Hawaiian or Pacific Islander (both 2.8%), American Indian or Native Alaskan and Asian (both 0.9%), and other/multiracial (6.5%).

Primary Language

Survey participants were asked to identify their primary spoken language. A total of 95 people answered this question. The majority of respondents (95.8%) identified English as their primary spoken language. Other responses included: Filipino, German, Ukrainian (all 1.1%), and one person identified both German and English as their primary spoken languages.

Reasons for Visiting the Area

Survey participants were asked to identify the main reason they chose to visit the area. After excluding invalid responses, a total of 72 responses were analyzed, with the following results.

- The most frequent responses were “close to home” (45.8%), followed by “access to river/stream” (22.2%).
- Other responses included: “scenic quality of the area” (15.3%), “recreational activities/opportunities in the area” (11.1%), and cost of facility access fee” and “other” (both 2.8%).

Survey participants were also asked to specify any number of secondary reasons for visiting the area. A total of 74 people properly answered this question. Multiple responses were accepted.

- The most frequent responses were “scenic quality of the area” (36.5%) and “access to river/stream” (31.1%).

- Other responses included, in order of frequency: “close to home” (27.0%), “recreational activities/opportunities in the area” (23.0%), “lack of crowding” (17.6%), “cost of facility access fee” (9.5%), access to lake/reservoir” and “other” (both 4.1%), and “presence of on-site manager/host” (2.7%), “

Primary and Secondary Activities

Survey participants were asked to identify the activities they engaged in, or expected to engage in, during their trip. They were instructed to check one main activity and one or more secondary activities. The primary and secondary activities identified by the survey respondents are tabulated on Table C-31 and summarized below.

- A total of 73 people identified one main activity. The most frequent response was “stream swimming/water-play/sun bathing” (31.5%) followed by “reservoir swimming/water-play/sun bathing” (17.8%).
- A total of 73 people identified one or more secondary activities. The most frequent responses were “relaxing” (46.6%) and “hiking/walking” (32.9%).

Facility Assessment

A detailed assessment of the facilities in the Confluence Area was not conducted, per the REC 1 – TSP. The facilities in this area are characterized above.

User Opinions Regarding the Confluence Area

A total of 108 people encountered in the Confluence and Quarry Road Trail areas completed Section A-1 (Background Information) of the survey form. The responses of these 108 people were tabulated for analysis and are summarized on Table C-31, by survey question. Select results are discussed below. Nobody completed Section A-3 (Day Use at Developed Sites) of the survey form so the information presented below is based on information collected through Section A-1 of the survey form.

Importance of Facilities and Amenities

Survey participants were asked to rate the importance of various facilities and amenities when choosing the area to recreate. The responses to this question are summarized on Table C-31 and pertinent responses are summarized below.

- 34.5% (32 of 93 people) said developed picnic sites are very important (15.1%) or important (19.4%). Twenty-two people (23.7%) said developed picnic sites are somewhat important and 39 people (41.9%) said that developed picnic sites are not important.
- 37.9% (36 of 95 people) said flush restrooms are very important (21.1%) or important (16.8%). Nineteen people (20.0%) said that flush restrooms are somewhat important and 40 people (42.1%) said they are not important.
- 51.7% (48 of 93 people) said drinking water is very important (32.3%) or important (19.4%). Thirteen people (14.0%) said drinking water is somewhat important and 32 people (34.4%) said that drinking water is not important.

- 37.1% (33 of 89 people) said river put-in/take outs are very important (19.1%) or important (18.0%). Nine people (10.1%) said that river put-in/take outs are somewhat important and 47 people (52.8%) said they are not important.
- 77.5% (76 of 98 people) said hiking trails are very important (46.9%) or important (30.6%). Ten people (10.2%) said hiking trails are somewhat important and twelve people (12.2%) said they are not important.
- 25.6% (22 of 86 people) said that interpretative/educational exhibits/information is very important (12.8%) or important (12.8%). Fourteen people (16.3%) said interpretative/educational exhibits/information is somewhat important and 50 people (58.1%) said it is not important.

Information Resources

Survey participants were asked to rate the availability and adequacy of various information resources. The responses to this question are summarized on Table C-31 and pertinent responses are summarized below.

- 37.8% (34 of 90 people) said interpretive/educational information is acceptable. Six people (6.7%) said it is not acceptable. Thirty people (33.3%) said it is not applicable.
- 36.5% (35 of 96 people) said recreation visitor information is acceptable. Four people (4.2%) said it is not acceptable and 27 people (28.1%) said it is not applicable.
- 51.0% (49 of 96 people) said safety/warning information is acceptable. Three people (3.1%) said it is not acceptable and 17 people (17.7%) said it is not applicable.
- 32.2% (28 of 87 people) said reservoir water surface elevation information is acceptable. Seven people (8.0%) said it is not acceptable. Thirty-five people (40.2%) said it is not applicable.
- 40.2% (37 of 92 people) said river/stream flow information is acceptable. Thirteen people (14.1%) said it is not acceptable. Twenty-four people (26.1%) said it is not applicable.

Overall Recreation Experience

Survey respondents were asked to rate their overall recreation experience using a satisfaction scale.

- 94.3% (100 of 106 people) said they were either very satisfied (63.2%) or satisfied (31.1%) with their overall recreation experience.

Additional Recreation Facilities, Amenities or Opportunities

Survey respondents were asked if there are any additional recreation facilities, amenities, or opportunities that would improve their recreation experience. A total of 83 people answered this question.

- Most people (69.9%) said “no.”

- Twenty-five people (30.1%) said “yes.” Twenty-two people provided one or more comments that fall into the following categories: more developments (6); signage/additional information (5); drinking water (4); more law enforcement (3); better trails (2); cost/fees (2); restrooms (2); trash disposal (2); and crowding (1).

6.7.13 Birdsall Access/Oregon Bar

The Birdsall Access and the Oregon Bar Access are located within the China Bar Recreation Area, which is managed by California State Parks. The China Bar Recreation Area was recently constructed to provide access to the North Fork American River, in the vicinity of the former Auburn Dam site. The recreation area was opened to the public in 2008. However, vehicle access is only available during weekends between about May 3rd to October 1st. Otherwise, vehicle access to the China Bar Recreation Area is restricted during the winter and during weekdays by a locked gate located at the China Bar entrance. During 2008, a \$5.00 vehicle entrance fee was required. In 2009, the entrance fee was raised to \$10.00 per vehicle. Hikers, bikers and equestrians may use the China Bar Area when the gate is locked. Numerous unpaved roads and trails, including the Auburn to Cool Trail (ACT), traverse the China Bar Recreation Area.

The general configuration of the China Bar Recreation Area is depicted on Map REC 1-29. As indicated, the entrance to the China Bar Recreation Area is located on Maidu Drive in Auburn. The entrance area includes a gated kiosk area and a small parking area located adjacent to the entrance. The parking area is paved and includes striped parking for 14 vehicles and one designated handicap parking space. This parking area also includes two bear-proof garbage containers, a chemical toilet, information boards, a drinking fountain and a fire hydrant. After passing the entrance, a paved road provides access to a large parking area located 1.3 miles from the entrance. This parking area is identified on Map REC 1-29 as the Oregon Hill Day-use Parking Area. It is paved and striped and can accommodate 50 vehicles. Two of the 50 parking stalls are designated as handicap parking. Amenities located in this parking area include a two unit, sweet smelling toilet (SST) and two bear-proof garbage bins (one at the entrance and one adjacent to the SST).

From the Oregon Hill Day-use Parking Area, the river is accessible via unpaved roads. These roads lead to two river access points referred to as the Birdsall Access and the Oregon Bar Access. The Birdsall Access and Oregon Bar Access areas are the two primary river access points within the China Bar Area. The Birdsall Access consists of a boat ramp, a loading and turn-around area, and handicapped parking. The Oregon Bar River Access is located downstream of the Birdsall Access and consists of a steep trail connecting the river and a gated unpaved road. Parking is not allowed in the immediate vicinity of either of the access points so boaters and other stream side users must park their vehicles at the Batch Plant Parking Area and walk up the road to retrieve their vehicles.

The ACT crosses the North Fork American River in the vicinity of the Birdsall Access, near the former Auburn Coffey Dam site. The ACT links Auburn and Cool and is a multi-use trail used by pedestrians, equestrians, and mountain bicyclists. It is the only trail

downstream of the Highway 49 that may be used by bicyclists (JSA 2007). The ACT is one of the most popular equestrian trails in ASRA. This crossing was identified by the Trail User/Stream Crossing Focus Group as one of five primary stream crossings along the peaking reach. Accordingly, this stream crossing was evaluated as part of the REC 4 – TSP. Detailed information about this crossing is available in the REC 4 – Stream-based Recreation Opportunities TSR (PCWA 2009a).

Existing Recreation Use

This facility was not open for use until 2008, after PCWA completed the REC 1 – vehicle counts. Therefore, vehicle counts were not conducted at the Birdsall and Oregon Bar Access Points.

ASRA does not collect use data at the Birdsall and Oregon Bar access points. However, according to ASRA representatives, a total of 1,109 vehicles entered the China Bar Recreation area between May and October, 2008. The ASRA uses a conversion factor of 3.3 persons per vehicle to estimate use, which equates to 3,659 visitors.

User Characteristics

The REC 2 – Recreation Visitor Surveys were administered at the Birdsall and Oregon Bar Access Points. A total of 29 people encountered in these two areas completed Section A-1 (Background Information) of the survey form. The responses of these 29 people were tabulated for analysis and are summarized on Table C-32 of Appendix C, by survey question. Select results are discussed below.

Note that the REC 2 – Recreation Visitor Survey instrument also included a section with questions that were specifically designed to obtain information about day use at developed sites (Section A-3 – Day Use at Developed Sites). However, none of the people encountered at the Birdsall/Oregon Bar River Access Points completed this section. This is because the majority of people encountered in these areas did not identify “day use at a developed facility” as one of their primary activities.

The REC 2 – Recreation Visitor Survey instrument also included a section with questions pertaining specifically to day use along a stream (Section A-5 – Day Use along a Stream/River). A total of 20 people encountered at the Birdsall and Oregon Bar Access points completed this section of the survey form. The results of these surveys were discussed in detail in the REC 4 – TSR.

Recreation Activities

Survey participants were asked to identify the activities they engaged in during their visit. Multiple responses were accepted. All 29 people intercepted at the Birdsall/Oregon Bar River Access Points answered this question, with the following results:

- Day use along a stream/river – 79.3% (23 people)
- Day use or camping in undeveloped areas – 17.2% (5 people)

- Day use at a developed site – 10.3% (3 people)

All other responses are less than 4% and can be found in Table C-32.

Vehicle Type

Survey participants were asked to identify the type of vehicle they used to drive to the area. All 29 people answered this question. The majority of respondents (86.2%) identified “car/SUV/Truck” and 13.8% stated that they walked to the area.

Number of People in Vehicle

Survey participants were asked how many people were in their vehicle. A total of 25 people answered this question. The average number of people per vehicle was 2.4, with a standard deviation of 1.0.

Group Age Categories

Survey participants were asked how many people in their group were under 18 or over 18. All 29 people provided sufficient information to analyze. Based on the information provided by these respondents, 86.4% of the people in each group were 18 or over and 13.6% were under 18.

Residence/Area of Origin

Survey participants were asked to identify their place of residence by zip code. All 29 people answered this question. The majority of respondents reside in the following two counties. All other responses were <4% and are summarized on Table C-32.

- Placer County – 75.9%
- Sacramento County – 10.3%

Respondent's Age

Survey participants were asked the year they were born. A total of 27 people answered this question. The responses to this question were used to determine the average age of the survey participants, which was 45.6, with a standard deviation of 11.6.

Ethnicity

Survey respondents were asked to identify the cultural or ethnic group they most closely identify with. All 29 people answered this question, with the following results. The majority (79.3%) of respondents were White/Caucasian. Other responses included: Hispanic or Latino (6.9%) and other/multiracial (13.8%).

Primary Language

Survey participants were asked to identify their primary spoken language. A total of 25 people answered this question. The majority of respondents (96.0%) identified English as their primary spoken language, and one person (4.0%) identified Spanish as their primary spoken language.

Reasons for Visiting the Area

Survey participants were asked to identify the main reason they chose to visit the area. After excluding invalid responses, a total of 22 responses were analyzed, with the following results.

- The most frequent response was “close to home” (68.2%).
- Other responses included: “access to river/stream”, “recreational activities/opportunities in the area”, and “scenic quality of the area” (all 9.1%), and “lack of crowding” (4.5%).

Survey participants were also asked to specify any number of secondary reasons for visiting the area. A total of 22 people properly answered this question. Multiple responses were accepted.

- The most frequent response was “scenic quality of the area” (45.5%) followed by “lack of crowding” (27.3%).
- Other responses included: “close to home” (22.7%), “access to river/stream” (13.6%), “access to lake/reservoir” and “recreational activities/opportunities in the area” (both 4.5%), and “other” (13.6%).

Primary and Secondary Activities

Survey participants were asked to identify the activities they engaged in, or expected to engage in, during their trip. They were instructed to check one main activity and one or more secondary activities. The primary and secondary activities identified by the survey respondents are tabulated on Table C-32 and summarized below.

- A total of 20 people identified one main activity. The most frequent response was “hiking/walking” (75.0%), followed by “picnicking in undeveloped sites”, “relaxing”, “reservoir swimming/water-play/sun bathing”, “stream swimming/water-play/sun bathing”, and “whitewater boating” (all 5.0%).
- A total of 20 people identified one or more secondary activities. The most frequent responses were “relaxing” and “viewing wildlife, scenery photography, etc.” (both 25.0%).

Facility Assessment

A detailed assessment of the Birdsall and Oregon Bar Access Points was not conducted, per the REC 1 – TSP. The facilities in this area are characterized above.

User Opinions Regarding the Birdsall and Oregon Bar Access Points

A total of 29 people encountered at the Birdsall and Oregon Bar Access Points completed Section A-1 (Background Information) of the survey form. The responses of these 29 people were tabulated for analysis and are summarized on Table C-32, by survey question. Select results are discussed below. Nobody encountered at these two access points completed Section A-3 (Day Use at Developed Sites) so the information presented below is based on information collected through Section A-1 of the survey form.

Importance of Facilities and Amenities

Survey participants were asked to rate the importance of various facilities and amenities when choosing the area to recreate. The responses to this question are summarized on Table C-32 and pertinent responses are summarized below.

- 17.4% (4 of 23 people) said developed picnic sites are very important (8.7%) or important (8.7%). Nine people (39.1%) said developed picnic sites are somewhat important and ten people (43.5%) said that developed picnic sites are not important.
- 36.0% (9 of 25 people) said flush restrooms are very important (16.0%) or important (20.0%). Four people (16.0%) said that flush restrooms are somewhat important and 12 people (48.0%) said they are not important.
- 48.0% (12 of 25 people) said drinking water is very important (28.0%) or important (20.0%). Seven people (28.0%) said drinking water is somewhat important. Six people (24.0%) said that drinking water is not important.
- 22.7% (5 of 22 people) said river put-in/take outs are very important (18.2%) or important (4.5%). Seven people (31.8%) said that river put-in/take outs are somewhat important and 10 people (45.5%) said they are not important.
- 88.9% (24 of 27 people) said hiking trails are very important (70.4%) or important (18.5%). One person (3.7%) said hiking trails are somewhat important and two people (7.4%) said they are not important.
- 19.1% (4 of 21 people) said that interpretative/educational exhibits/information is very important (4.8%) or important (14.3%). Nine people (42.9%) said interpretative/educational exhibits/information is somewhat important and eight people (38.1%) said it is not important.

Information Resources

Survey participants were asked to rate the availability and adequacy of various information resources. The responses to this question are summarized on Table C-32 and pertinent responses are summarized below.

- 51.9% (14 of 27 people) said interpretive/educational information is acceptable. Two people (7.4%) said it is not acceptable. Seven people (25.9%) said it is not applicable.
- 60.0% (15 of 25 people) said recreation visitor information is acceptable. Two people (8.0%) said it is not acceptable. Four people (16.0%) said it is not applicable.
- 59.3% (16 of 27 people) said safety/warning information is acceptable. Four people (14.8%) said it is not acceptable. Two people (7.4%) said it is not applicable.
- 30.4% (7 of 23 people) said reservoir water surface elevation information is acceptable. Four people (17.4%) said it is not acceptable. Five people (21.7%) said it is not applicable.

- 36.4% (8 of 22 people) said river/stream flow information is acceptable. Four people (18.2%) said it is not acceptable. Five people (22.7%) said it is not applicable.

Overall Recreation Experience

Survey respondents were asked to rate their overall recreation experience using a satisfaction scale.

- 89.7% (26 of 29 people) said they were either very satisfied (62.1%) or satisfied (27.6%) with their overall recreation experience.

Additional Recreation Facilities, Amenities or Opportunities

Survey respondents were asked if there are any additional recreation facilities, amenities, or opportunities that would improve their recreation experience. A total of 26 people answered this question.

- Most people (69.2%) said “no.”
- Eight people (30.8%) said “yes.” All eight people provided one or more comments that fall into the following categories: more developments (3); more signage (3); cost/fees (1); restrooms (1); and safety (1).

6.8 POTENTIAL FUTURE USE

Future recreation use (demand) depends on several factors, including:

- The demographics, visitation patterns, and recreation activities associated with the people who currently use the Project area;
- Future population projections; and
- Trends in outdoor participation rates.

These topics are discussed in the following subsections.

6.8.1 Current Recreation Visitors

Demographic information regarding the people who currently visit the Project area, including area of origin, age, and ethnicity information, was collected as part of the REC 2 – Recreation Visitor Surveys (PCWA 2009c). Detailed information about the surveys is available in the REC 2 – Recreation Visitor Surveys. Information pertinent to this discussion is summarized below.

Area of Origin

Survey participants were asked to identify their place of residence by zip code. The majority of respondents intercepted in the MFP area primarily reside in Placer, Sacramento, and El Dorado counties, as summarized below.

Area	Placer County (%)	Sacramento County (%)	El Dorado County (%)	Other (%)
Hell Hole Area	23.8	23.4	18.9	33.9
French Meadows Area	32.4	28.4	7.4	31.8
Long Canyon Area	30.6	38.8	6.1	24.5
Duncan Creek Area	40.0	60.0	0	0
Ralston Afterbay Area	35.7	25.0	0.0	39.3
MFP Area Combined	29.4	27.3	11.0	32.3

Similarly, the people intercepted in ASRA primarily reside in Placer, Sacramento, and El Dorado Counties, as summarized below. Note that the ASRA data does not include the responses of people encountered at Indian Bar Rafter Access. This is a Project facility and therefore included above.

Area	Placer County (%)	Sacramento County (%)	El Dorado County (%)	Other (%)
ASRA Area	52.9	11.2	4.0	31.9

Age of Visitors

Survey participants were asked to identify the year they were born. The average age of the survey respondents intercepted in the MFP areas ranged from 35.8 to 43.4 years, as summarized in the following:

Area	Average Age	Standard Deviation
Hell Hole Area	43.4	13.4
French Meadows Area	42	13.9
Long Canyon Area	40.5	14.4
Duncan Creek Area	35.8	22.3
Ralston Afterbay Area	42	12.2
MFP Area Combined	42.4	13.7

The average age of people intercepted in ASRA is approximately four years younger than the average age of people intercepted in the MFP areas, as summarized below.

Area	Average Age	Standard Deviation
ASRA Area	38.3	13.0

Group Age Categories

Survey participants were asked to identify the number of people in their group and their age categories (under 18 or over 18). As summarized below, the ratio of adults to minors in each group was approximately 4 to 1.

Area	Under 18 (%)	18 or over (%)
Hell Hole Area	19.4	80.6
French Meadows Area	20.5	79.5
Long Canyon Area	21.2	78.8
Duncan Creek Area	0	100.0
Ralston Afterbay Area	18.3	81.7
MFP Area Combined	20.1	79.9

The survey participants intercepted in ASRA had slightly higher numbers of people under 18 in their groups, as summarized below.

Area	Under 18 (%)	18 or over (%)
ASRA Area	22.3	77.7

Ethnicity

Survey participants were asked to identify the cultural or ethnic group they most closely identify with. As summarized below, the majority of survey respondents intercepted in the MFP areas identified themselves as Caucasian, followed by Hispanic or Latino, and Asian.

Area	Caucasian (%)	Hispanic or Latino (%)	Asian (%)	Other-Combined (%)
Hell Hole Area	92.8	2.8	0.4	4.0
French Meadows Area	84.7	4.3	3.0	8.0
Long Canyon Area	60.0	2.0	28.0	10.0
Duncan Creek Area	50.0	25.0	0	25.0
Ralston Afterbay Area	82.5	3.5	7.0	7.0
MFP Area Combined	85.8	3.8	4.2	6.2

Similarly, the majority of survey participants in ASRA identified themselves as Caucasian, followed by Hispanic or Latino, and Native Hawaiian or Pacific Islander.

Area	Caucasian (%)	Hispanic or Latino (%)	Native Hawaiian or Pacific Islander (%)	Other-Combined (%)
ASRA Area	84.3	3.6	1.8	10.3

Frequency of Visits

Survey participants who completed the Form B survey instrument were asked to indicate how many years they have been recreating in the Project area. Responses ranged from 14.1 to 52.7 years, as summarized in the following:

Area	Average # of Years	Standard Deviation
Hell Hole Area	17.3	12.4
French Meadows Area	17.3	15.0
Duncan Creek Area	52.7	9.3
Ralston Afterbay Area	14.1	11.4
MFP Area Combined	17.5	14.5

Form B survey participants were also asked to indicate how many times per year they visited the Project area. Responses ranged from 3.4 to 15.7 times per year, as summarized in the following:

Area	Average # of Times per Year	Standard Deviation
Hell Hole Area	4.6	4.3
French Meadows Area	3.4	3.3
Duncan Creek Area	15.7	4.0
Ralston Afterbay Area	5.2	4.4
MFP Area Combined	4.5	4.4

No Form B survey respondents were intercepted in the Long Canyon Area and Form B surveys were not completed at the sites located in ASRA. Accordingly, these two areas are excluded from table above.

Recreation Activities

Survey participants were asked to indicate the primary activity that they engaged in during their trip to the MFP areas. As summarized below, survey respondents intercepted at MFP areas most frequently identified “camping in a developed site” and “reservoir fishing” as their primary activities.

Area	Primary Activities	Percent of Respondents
Hell Hole Area	Reservoir fishing	39.5
	Camping in a developed site	28.3
French Meadows Area	Camping in a developed site	51.2
	Reservoir fishing	19.0
Long Canyon Area	Camping in a developed site	58.8
	Picnicking in developed sites	17.6
Duncan Creek Area	Camping in developed site	100.0
Ralston Afterbay Area	Stream fishing	22.6
	Reservoir fishing	19.4
MFP Area Combined	Camping in a developed site	37.7
	Reservoir fishing	26.8

Conversely, survey participants intercepted in the ASRA area most frequently identified stream swimming, water-play, or sunbathing and whitewater boating as primary activities, as summarized below.

Area	Primary Activities	Percent of Respondents
ASRA Area	Stream swimming/water-play/sun bathing	19.0
	Whitewater boating (rafting, kayaking, canoeing)	18.5

6.8.2 Population Projections

The California Department of Finance develops population estimates and projections for California as a whole, and for each of the individual counties. As discussed above, most of the people who visit one of the three Project reservoirs reside in Placer County, Sacramento and El Dorado Counties. Information available from the California Department of Finance was reviewed to determine how the population of these three counties is expected to change over time. Specifically, two reports completed by the Department of Finance (2007 and 2009) were used to: (1) identify the population of each of these counties in 2008; (2) identify the projected population in 2050; and (3) estimate the change in population over the 42 year period, by county. The January 1, 2008 population data available from the Department of Finance was used because it can be compared to recreation use data that was collected by PCWA in 2007 and 2008.

County	2008 Population	2050 Population	Percent Change
Placer County	333,766	751,208	125%
Sacramento County	1,418,763	2,176,508	53%
El Dorado County	178,860	314,126	76%
Combined	1,931,389	3,241,842	68%

As indicated, for the three counties (Placer, Sacramento, and El Dorado) combined, the total population is expected to increase by 68% between 2008 and 2050.

The 2008 population data does not include a proportional breakdown by ethnic group. However, this type of breakdown is available for 2010, and for each decade thereafter. Therefore, 2010 projections were used to estimate changes in both Caucasian and non-Caucasian groups from 2010 through 2050. The non-Caucasian population in these three counties is expected to grow faster than the Caucasian population, as summarized below.

County	Caucasian		% Change	Non-Caucasian		% Change
	2010	2050		2010	2050	
Placer County	271,819	462,590	70%	75,724	288,618	281%
Sacramento County	746,974	769,393	3%	704,892	1,407,115	100%
El Dorado County	158,918	244,765	54%	30,390	69,361	128%
Combined	1,177,711	1,476,748	25%	811,001	1,765,094	118%

As indicated, in 2010, Caucasians are expected to make up a larger proportion of the population in Placer, Sacramento, and El Dorado counties than non-Caucasians. However, as summarized above, the Caucasian population is expected to increase 25% by 2050 and the non-Caucasian population is expected to increase by 118% over the same time period. Therefore, by 2050, the proportions are expected to reverse with non-Caucasians making up 54% of the population and Caucasians making up 46% of the population.

6.8.3 Trends in Outdoor Participation Rates

Information about current trends in outdoor recreation participation rates based on information contained in the existing literature were summarized in the REC 3 – Reservoir Opportunities TSR (PCWA 2009d) and are therefore not reiterated in this report.

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TABLES

Table REC 1-1. Project Recreation Facilities and Features.

Hell Hole Reservoir Area
Big Meadows Campground
Hell Hole Campground
Upper Hell Hole Campground
Hell Hole Vista
Hell Hole General Parking Area
Hell Hole Boat Ramp
Hell Hole Boat Ramp Parking Area
Big Meadows Campground Water Supply
French Meadows Reservoir Area
Ahart Campground
Coyote Group Campground
Poppy Campground
French Meadows Campground
Gates Group Campground
Lewis Campground
French Meadows Picnic Area
French Meadows Boat Ramp
McGuire Picnic Area
McGuire Boat Ramp
Dolly Creek Water Supply
French Meadows Campground Water Supply
Long Canyon Area
Middle Meadows Group Campground
Middle Meadows Group Campground Water Supply
Ralston Afterbay Area
Ralston Picnic Area
Ralston Picnic Area Cartop Boat Ramp
Indian Bar Rafting Access and General Parking

Table REC 1-2. Dispersed Concentrated Use Areas.

Hell Hole Reservoir Area
Area on west side of Hell Hole Reservoir, between dam and Hell Hole Boat Ramp
Grey Horse Area
French Meadows Reservoir Area
Area near French Meadows-Hell Hole Tunnel Gatehouse
Area immediately downstream of French Meadows Dam (both sides of river)
Area located immediately northwest of French Meadows Dam
Area near bridge over the Middle Fork American River, upstream French Meadows Reservoir
Duncan Creek Diversion Dam Area
Area on north side of Duncan Creek Diversion Dam
Area near Duncan Creek Gage and Weir, upstream of Duncan Creek Diversion Dam
Area near new bridge crossing Duncan Canyon on the road to the Grizzly, etc.
Long Canyon Area
Area surrounding South Fork Long Canyon Diversion Dam
Areas along South Fork Long Canyon Creek, downstream of South Fork Long Canyon Diversion Dam
Middle Fork Interbay Area
Shoreline area surrounding Middle Fork Interbay
Ralston Afterbay Area
Ralston Afterbay Sediment Disposal Area
Shoreline area surrounding Ralston Afterbay
Area along Middle Fork American River, between Ralston Picnic Area and the new gage
Area at confluence of North Fork of the Middle Fork American River and Middle Fork American River
Indian Bar, Willow Bar, and Junction Bar Areas

Table REC 1-3. Recreation Study Sites within the Auburn State Recreation Area.

Auburn State Recreation Area	Vehicle Counts	Whitewater Boater Counts	Characterization of Recreation Facilities	Detailed Facility and Road Assessment
Indian Bar Rafting Access	X		X	X
Cache Rock			X	
Fords Bar/Otter Bar			X	
Canyon Creek			X	X
Ruck-a-Chucky* (also known as Drivers Flat and Greenwood)	X	X	X	X
Cherokee Bar (located at end of Sliger Mine Rd)	X		X	
Poverty Bar			X	
American Canyon			X	
Mammoth Bar/Murderer's Bar	X		X	
Quarry Trailhead			X	
Confluence Area (Middle Fork and North Fork American River Confluence)	X		X	
River Access at Auburn Dam Site (to be constructed in 2008)			X	
River Access at Oregon Bar (to be constructed in 2008)			X	

*Additional use information provided by ASRA.

Table REC 1-4. Data Used to Develop Use Estimates at Project Recreation Facilities.

Region	Concessionaire/ USDA-FS Use Data	PCWA Vehicle Count Data	Average # of People per Vehicle based on REC 2 Surveys
French Meadows Reservoir Area			
Ahart Campground	X		- ^a
Coyote Group Campground	X		- ^a
Poppy Campground		X	2.8
French Meadows Campground	X		- ^a
Gates Group Campground	X		- ^a
Lewis Campground	X		- ^a
French Meadows Picnic Area		X	2.8
McGuire Picnic Area		X	2.8
French Meadows Boat Ramp		X	2.8
McGuire Boat Ramp		X	2.8
Hell Hole Reservoir Area			
Big Meadows Campground		X	2.7
Hell Hole Campground		X	2.7
Upper Hell Hole Campground		X	2.7
Hell Hole Vista		X	2.7
Hell Hole General Parking Area		X	2.7
Hell Hole Boat Ramp Parking Area		X	2.7
Hell Hole Boat Ramp		X	2.7
Long Canyon Area			
Middle Meadows Group Campground		X	3.3
Ralston Afterbay Area			
Ralston Picnic Area and Cartop Boat Ramp		X	3.9
Indian Bar Rafting Access		X	3.9

^a Average number of people per vehicle was not necessary to calculate RVDs in this location. RVDs were calculated using data provided by the campground concessionaire.

Table REC 1-5. Data Used to Develop Use Estimates at Dispersed Concentrated Use Areas.

Region	PCWA Vehicle Count Data	Average # of People based on REC 2 Surveys
Hell Hole Reservoir Area		
Area on west side of Hell Hole Reservoir, between dam and Hell Hole Boat Ramp	X ^a	2.7
Grey Horse Area	- ^b	-
French Meadows Reservoir Area		
Area near French Meadows-Hell Hole Tunnel Gatehouse	X	2.8
Area immediately downstream of French Meadows Dam (both sides of river)	X	2.8
Area located immediately northwest of French Meadows Dam	X	2.8
Area near bridge over the Middle Fork American River, upstream French Meadows Reservoir	X	2.8
Duncan Creek Diversion Dam Area		
Area on north side of Duncan Creek Diversion Dam	X	2.0
Area near Duncan Creek Gage and Weir, upstream of Duncan Creek Diversion Dam	X	2.0
Area near new bridge crossing Duncan Canyon on the road to the Grizzly, etc.	X	2.0
Long Canyon Area		
Area surrounding South Fork Long Canyon Diversion Dam	X	3.3
Areas along South Fork Long Canyon Creek, downstream of South Fork Long Canyon Diversion Dam	- ^c	-
Middle Fork Interbay Area		
Shoreline area surrounding Middle Fork Interbay	- ^b	-
Ralston Afterbay Area		
Ralston Afterbay Sediment Disposal Area	X	3.9
Shoreline area surrounding Ralston Afterbay	X	3.9
Area along Middle Fork American River, between Ralston Picnic Area and the new gage	- ^c	-
Area at confluence of North Fork of the Middle Fork American River and Middle Fork American River	- ^c	-
Indian Bar, Willow Bar, and Junction Bar Areas	- ^c	-

Notes:

^aVehicle counts were performed in conjunction with Hell Hole Boat Ramp and Associated Parking Areas.^bVehicle counts not conducted per REC 1 – TSP.^cNo vehicle access. Therefore, vehicle counts were not conducted.

Table REC 1-6. Time Periods when Project Recreation Facilities were Inaccessible for Vehicle Counts due to Snow or Other Factors.

Region	Project Recreation Facilities	Vehicle Count Access		
		Last Day in 2007 that Access Road was Passable by Rec Tech	First Day in 2008 that Access Road was Passable by Rec Tech	Comments
Hell Hole Area	Big Meadows Campground	10/27	N/A	Area closed on last field observation May 17 th .
	Hell Hole Campground	12/1	5/17	Area inaccessible during winter and spring due to snow.
	Upper Hell Hole Campground	12/1	5/17	Area inaccessible during winter and spring due to snow.
	Hell Hole Vista	12/1	5/17	Area inaccessible during winter and spring due to snow.
	Hell Hole General Parking Area, Boat Ramp Parking Area, and Boat Ramp	12/1	5/17	Area inaccessible during winter and spring due to snow.
French Meadows Area	Ahart Campground	N/A	N/A	Vehicle counts were not conducted in this area; therefore closures of the access road are unknown.
	Coyote Group Campground	N/A	N/A	Vehicle counts were not conducted in this area; therefore closures of the access road are unknown.
	Poppy Campground	12/1	5/9	Area inaccessible during winter and spring due to snow.
	French Meadows Campground	12/1	5/9	Area inaccessible during winter and spring due to snow.
	Gates Group Campground	N/A	N/A	Vehicle counts were not conducted in this area; therefore closures of the access road are unknown.
	Lewis Campground	12/1	5/9	Area inaccessible during winter and spring due to snow.
	French Meadows Boat Ramp and Picnic Area	12/1	5/9	Area inaccessible during winter and spring due to snow.
	McGuire Picnic Area	9/2	N/A	Area closed on last field observation May 17 th .
	McGuire Boat Ramp	12/1	5/9	Area inaccessible during winter and spring due to snow.
Long Canyon Area	Middle Meadows Group Campground	10/27	N/A	The last reservation was for 9/2. However, informal access occurred after this date. The road was not open on the last day of vehicle counts in 2008 (5/17).
Duncan Creek Area	Duncan Creek Diversion Dam Area	12/1	5/17	The area was closed for construction of a new bridge and not accessible from 9/1 – 10/15.
Ralston Afterbay Area	Ralston Picnic Area and Car-top Boat Ramp	N/A	N/A	Snow may lead to occasional temporary site inaccessibility; the site was inaccessible on 1/8 and 2/4 due to snow or ice on the road.
	Indian Bar Rafting Access and General Parking	N/A	N/A	Snow may lead to occasional temporary site inaccessibility; the site was inaccessible on 1/8 and 2/4 due to snow or ice on the road.
Auburn State Recreation Area Sites	Ruck-a-Chucky (also known as Drivers Flat, Greenwood and Greenwood Bridge)	N/A	N/A	Site occasionally closed for road maintenance, no closure records for 2007-2008.
	Mammoth Bar/Murderer's Bar	N/A	N/A	Site is occasionally closed due to weather or maintenance; site was closed 12/8, 12/20, 1/8, 1/26, and 2/4.
	Confluence Area (Middle Fork and North Fork American River Confluence)	N/A	N/A	No sites closures are recorded.
	Birdsall Access/Oregon Bar Access	N/A	N/A	Facility was not open for use while vehicle counts were completed.

Table REC 1-7. Dates of Detailed Facility Assessments and Road Surveys.

Region	Facility Assessment	Road Survey
Hell Hole Area		
Big Meadows Campground	8/21/08	9/30/08
Hell Hole Campground	8/21/08	9/29/08
Upper Hell Hole Campground	8/4/08	NA
Hell Hole Vista	8/20/08	NA
Hell Hole Boat Ramp and Associated Parking Areas	8/2/08	9/29/08
French Meadows Area		
Ahart Campground	9/4/08	7/30/08
French Meadows Campground	7/24/08	8/13/08
Lewis Campground	9/4/08	8/12/08
Poppy Campground	7/24/08	8/12/08
Coyote Group Campground	7/24/08	7/30/08, 8/13/08
Gates Group Campground	9/4/08	8/13/08
French Meadows Boat Ramp and Picnic Area	7/23/08	8/12/08
McGuire Boat Ramp and Associated Parking Areas	7/24/08	8/12/08
McGuire Picnic Area and Beach	7/24/08	8/12/08
Long Canyon Area		
Middle Meadows Group Campground	8/24/08	9/30/08
Ralston Afterbay Area		
Ralston Picnic Area and Cartop Boat Ramp	7/23/08	7/31/08
Indian Bar Rafter Access	7/23/08	NA
Auburn State Recreation Area		
Ruck-a-Chucky Recreation Area	3/12/09	10/13/08
Canyon Creek	3/12/09	10/13/08

FINAL

Table REC 1-8. Recreation Access Roads and Recreation Water Supply Facility Access Trails.

Recreation Access Roads
Hell Hole Area
Big Meadows Campground
Main Access Road (14N43)
Outer Loop Road
Center Road
Loop Return Road
Hell Hole Campground
Hell Hole Campground Road (14N37)
Hell Hole Boat Ramp
Hell Hole Boat Ramp Road
French Meadows Area
Ahart Campground
Entrance Road
West Loop Road
Loop Connector Road
East Loop Road
Exit Road
French Meadows Campground
Main Access Road
West Loop Road
West Loop Center Road
Loop Connector Road
East Loop Road
Loop Return Road
Lewis Campground
Main Access Road
South Loop Road
North Loop Road
North Loop Return Road
Poppy Campground
Poppy Campground Trailhead Parking Area Road
Coyote Group Campground
Little Wolf and Brush Wolf Main Access Road and Loop
Prairie Wolf Main Access Road
Prairie Wolf Loop Road
Black Bear Loop Road
Gates Group Campground
Main Access Road
Ponderosa Loop Road
French Meadows Boat Ramp and Picnic Area
French Meadows Boat Ramp and Picnic Area Main Access Road
French Meadows Boat Ramp Road
McGuire Boat Ramp and Associated Parking Areas
French Meadows Reservoir North Shore Access Road (42.2)
Parking NE Lot Access Loop Road
Parking SE Lot Access Road
McGuire Picnic Area and Beach
McGuire Picnic Area and Beach Road

FINAL

Table REC 1-8. Recreation Access Roads and Recreation Water Supply Facility Access Trails (continued).

Recreation Access Roads
Long Canyon Area
Middle Meadows Group Campground
Middle Meadows Group Campground Road
Ralston Afterbay Area
Ralston Picnic Area and Cartop Boat Ramp
Ralston Picnic Area and Cartop Boat Ramp Road
Auburn State Recreation Area (ASRA)
Drivers Flat Road
Recreation Water Supply Facility Access Trails
Hell Hole Area
Big Meadows Campground Water Supply Facility Access Trail
French Meadows Area
French Meadows Campground Water Supply Facility Access Trail
Long Canyon Area
Middle Meadows Group Campground Water Supply Facility Access Trail

Table REC 1-9. Federal Energy Regulatory Commission (FERC) Inspection Summary.

Region	Inspection Date ¹	Comment	Follow-Up Letter from FERC	Response Letter from PCWA	Status
French Meadows Reservoir Area					
Ahart Campground	N/A	No Comment	N/A	N/A	N/A
Coyote Group Campground	10/31/00	Klammath stoves at the Brush Wolf Group Camp Site needed repair or replacement of the cooking surfaces, and some structural work was needed.	10/11/00	11/30/00	Completed
	7/20-7/21/05	Snow loading has damaged the gate that prevents vehicles from entering the prohibited area at the Prairie Wolf Group Campsite. A schedule to repair or replace this gate was requested.	8/16/05	10/5/06	Completed
Poppy Campground	10/31/00	Several of the upper sites at the Poppy Boat-In/Hike-In Campground were difficult to locate. Small directional signs along the trail would assist users in finding these sites. One of the pit toilets at the facility was in poor condition, and should be repaired or replaced.	10/11/00	11/30/00	Completed
French Meadows Campground	8/7/87	Address the need for additional parking capacity at the group campgrounds.	9/9/87 10/9/87 4/27/92	10/27/87 2/28/89 5/30/89	Completed
	10/31/00	A disabled accessible camp site at the French Meadows Campground was occupied, but the vehicle present did not display a disabled parking permit and many other camp sites were available. Your policy should be to keep such camp sites available for the disabled until all other sites are occupied.	10/11/00	11/30/00	Completed
		Many traffic control barriers and several areas of pavement needed repair.	10/11/00	11/30/00	Completed
Gates Group Campground	10/31/00	Klammath stoves at the Ponderosa Camp Site needed repair or replacement of the cooking surfaces, and some structural work was needed.	10/11/00	11/30/00	Completed

Table REC 1-9. Federal Energy Regulatory Commission (FERC) Inspection Summary (continued).

Region	Inspection Date ¹	Comment	Follow-Up Letter from FERC	Response Letter from PCWA	Status
French Meadows Reservoir Area (continued)					
Lewis Campground	7/20-7/21/05	Immediate removal of the grass that has grown around the fire ring at Site 37 in the Lewis Family Campground was requested.	8/16/05	10/5/06	Completed
		Not all sites at the Lewis Family Campground have bear-proof food lockers. A camper reported that a bear had entered their vehicle to access food in an ice chest. A schedule to provide bear-proof food lockers at sites in this campground was requested.	8/16/05	10/5/06	Completed
French Meadows Picnic Area	7/20-7/21/05	The planks that provide a crossing of the ephemeral stream at the French Meadows Day-Use Area are worn, out of position, and have several large protruding nails. A plan and schedule to improve this crossing is requested.	8/16/05	10/5/06	Completed
French Meadows Boat Ramp	10/31/00	The edge of the French Meadows Boat Ramp was cracked in places due to undermining by wave action. These damaged areas need to be repaired.	10/11/00	11/30/00	Completed
		Gravel deposited by wave action on the lower end of the French Meadows Boat Ramp was noted. Such deposits must be removed as they are exposed by falling water levels throughout the summer season.	10/11/00	11/30/00	Completed
McGuire Picnic Area	8/7/87	Define the best use of the McGuire Day-Use Area – either its rehabilitation, its conversion, or its removal so as to restore the site to a natural state – and provide a schedule for accomplishing this work.	9/9/87 10/9/87 4/27/92	10/27/87 2/28/89 5/30/89	Completed
	10/31/00	Facilities at the McGuire Point Day-Use Area have deteriorated severely. Sites were overgrown with brush and the access trails are difficult to find. Signs of public use were noted at some sites, while others appear unused. This facility must be restored.	10/11/00	11/30/00	Completed

Table REC 1-9. Federal Energy Regulatory Commission (FERC) Inspection Summary (continued).

Region	Inspection Date ¹	Comment	Follow-Up Letter from FERC	Response Letter from PCWA	Status
French Meadows Reservoir Area (continued)					
McGuire Picnic Area (continued)	7/20-7/21/05	The McGuire Point Day-Use Area continues to be a concern, as problems noted during the 2000 Environmental Inspection persist. Trails to access the individual day-use sites are either non-existent or severely overgrown, the legs of one picnic table had sunk into the ground, the informational sign at one entrance was demolished and lying on the ground, multiple piles of cleared brush have been left lying on the ground throughout the area, and vegetation around the cooking stoves is tall enough to pose a wildfire threat. Immediate correction of these deficiencies was requested.	8/16/05	10/5/06	Completed
McGuire Boat Ramp	N/A	No Comment	N/A	N/A	N/A
Hell Hole Reservoir Area					
Big Meadows Campground	10/31/00	Several traffic control barriers needed repair.	10/11/00	11/30/00	Completed
	7/20-7/21/05	Some campsites at the Big Meadow Campground are located within an archaeological site. Other sites at this campground have been upgraded, but the upgrading of those sites within the archaeological site have been delayed. Information on the cause of the delay and the schedule to complete the upgrades was requested.	8/16/05	10/5/06	A cultural resources protection plan was developed in consultation with the ENF and SHPO. The required campground upgrades were subsequently implemented.
Hell Hole Campground	10/31/00	A small area of pavement needed repair.	10/11/00	11/30/00	Completed
	7/20-7/21/05	Grass has grown around the fire ring at the Hell Hole Family Campground site closest to the lake (site number not observed). Immediate cutting of the grass was requested to eliminate the potential for a wildfire.	8/16/05	10/5/06	Completed
Upper Hell Hole Campground	N/A	No Comment	N/A	N/A	N/A

Table REC 1-9. Federal Energy Regulatory Commission (FERC) Inspection Summary (continued).

Region	Inspection Date ¹	Comment	Follow-Up Letter from FERC	Response Letter from PCWA	Status
Hell Hole Reservoir Area (continued)					
Hell Hole Vista	7/20-7/21/05	Several of the stones used to construct the stairs at the Hell Hole Reservoir Overlook were loose and posed a tripping hazard; also, the material used to effect earlier repairs to the stairs (which appears to be a caulking compound) creates a harsh contrast to the original mortar. Grouting the loose stones back into place, and replacement of the caulk with a material similar to the original grout was requested.	8/16/05	10/5/06	Completed
		The panoramic display at the overlook has weathered and is no longer fully legible. A replacement for the display was requested.	8/16/05	9/6/05 10/5/06	Completed
Hell Hole General Parking Area	N/A	No Comment	N/A	N/A	N/A
Hell Hole Boat Ramp Parking Area	10/31/00	An additional "No Parking – No Driving along the Shoreline" sign is needed at the lower turn out on the boat ramp, and a "30 Minute Parking" sign is needed at the small parking area adjacent to the restroom.	10/11/00	11/30/00	Completed
Hell Hole Boat Ramp	10/31/00	A considerable amount of rock debris was noted on the lower end of the Hell Hole Boat Ramp. This material must also be removed whenever it impedes public use of the ramp.	10/11/00	11/30/00	Completed
Ralston Afterbay Area					
Ralston Picnic Area and Cartop Boat Ramp	8/7/87	Describe how use will be managed at the Ralston Afterbay Picnic Area to avoid long-term camping and associated problems.	9/9/87 10/9/87 4/27/92	10/27/87 2/28/89 5/30/89	Completed
Indian Bar Rafting Access	N/A	No Comment	N/A	N/A	N/A
Long Canyon Area					
Middle Meadows Group Campground	N/A	No Comment	N/A	N/A	N/A

¹FERC Environmental Inspection Reports and associated documentation are available at <http://www.ferc.gov/docs-filing/elibrary.asp> by citing Docket No. P-2079.

Table REC 1-10. Summary of Information Sources Describing Recreation Resources in the Vicinity of the MFP.

Resource	Location/Source	Comments
Websites	TNF Website	www.fs.fed.us/r5/tahoe Provides maps, brochures, and current conditions, as well as general information on recreation facilities, including status, fees, and elevation.
	ENF Website	www.fs.fed.us/r5/eldorado Provides maps and current conditions, as well as general information on recreation facilities, including status and fees.
	National Recreation Reservation Service	www.recreation.gov Allows visitors to reserve certain campsites for specific dates within the TNF and ENF.
	River Facts	www.riverfacts.com Provides information on Middle Fork American and Rubicon Rivers recreational opportunities, including whitewater rafting opportunities and nearby resources.
Maps	"Tahoe National Forest – America's Great Outdoors"	USDA-FS, 2006 Provides locations and information on campgrounds, wildlife and plant life, ADA accessible sites, etc. Also supplies locations to find additional information, including USDA-FS district offices and addresses.
	"Tahoe National Forest and Lakes Basin – Winter Recreation Guide"	USDA-FS, 2003 Provides locations and information on winter recreation activities, as well as possible supplies needed, warning information, road closures, and emergency services.
	"Foresthill Divide Recreation – Tahoe National Forest"	USDA-FS, 1993 Provides historical information and locations of campgrounds, picnic areas, and additional resources. Also includes photographs for reference.
	"Eldorado National Forest – America's Great Outdoors"	USDA-FS, 1997 Provides locations and information on campgrounds, wildlife and plant life, ADA accessible sites, etc. Also supplies locations to find additional information, including Ranger Districts and their addresses.
	"Eldorado National Forest – Pacific Southwest Region"	USDA-FS, 1998 Provides information on fire restrictions, vehicles and travel, and firewood cutting. Also provides locations of campgrounds, picnic areas, trailheads and parking, and telephones.
Offices	TNF Supervisor's Office	A variety of information including maps, brochures, and pamphlets describing recreational opportunities and resources in the MFP is available in the lobbies of the USDA-FS offices.
	TNF American River Ranger District Office	
	ENF Supervisor's Office	
	ENF Georgetown Ranger District Office	
Books	Moon Spotlight – TAHOE CAMPING & HIKING	Tom Siembra, 2009 Includes information on each campground facility within the MFP, including nearby recreation opportunities and pertinent regulations.

Table REC 1-11. Characterization of Recreation Access Roads and Recreation Water Supply Facility Access Trails.

Name	Start	ID Pt.*	End	ID Pt.*	Length	Width (Approximate) 8-12 ft. = single lane 20 ft. = one and one half lane 24 ft. = double lane	Surface Treatment	Overall Condition	Bridge Crossing Locations (road mile)	Comments
Recreation Access Roads										
Hell Hole Reservoir Area										
Big Meadows Campground										
Main Access Road (14N43)	Boundary line between USDA-FS and Lone Star Timber Property	A	Outer Loop Road	B	1,056 ft.	12 ft.	Paved	Fair / Poor	N/A	Multi-use General Access Road portion (422 ft.) begins at FR2.
Outer Loop Road	Main Access Road (14N43)	B	Main Access Road (14N43)	B	2,746 ft.	12 ft.	Paved	Fair / Poor	N/A	
Center Road	Outer Loop Road	D	Outer Loop Road	E	845 ft.	12 ft.	Paved	Fair / Poor	N/A	
Loop Return Road	Outer Loop Road	F	Outer Loop Road	C	158 ft.	12 ft.	Paved	Fair / Poor	N/A	
Hell Hole Campground										
Hell Hole Campground Road (14N37)	FR 2	A	Hell Hole Campground Parking Area	B	317 ft.	12 ft.	Paved	Fair	N/A	
Hell Hole Boat Ramp										
Hell Hole Boat Ramp Road	FR 2	A	Hell Hole Reservoir	B	370 ft.	20 ft.	Chip seal	Good	N/A	Road does not include concrete portion of ramp
French Meadows Reservoir Area										
Ahart Campground										
Entrance Road	FR 96	A	West Loop Road	B	158 ft.	12 ft.	Aggregate	Good	N/A	
West Loop Road	Entrance Road	B	Loop Connector Road	B	475 ft.	12 ft.	Aggregate	Good	N/A	
Loop Connector Road	West Loop Road	B	East Loop Road	C	158 ft.	12 ft.	Aggregate	Good	N/A	
East Loop Road	Loop Connector Road	C	Loop Connector Road	C	634 ft.	12 ft.	Aggregate	Good	N/A	
Exit Road	Loop Connector Road	D	Entrance Road	E	158 ft.	12 ft.	Aggregate	Good	N/A	
French Meadows Campground										
Main Access Road	FR 96	A	West Loop Road	B	106 ft.	24 ft.	Paved	Good	N/A	
West Loop Road	Main Access Road	B	Main Access Road	B	2,693 ft.	12 ft.	Paved	Good	N/A	
West Loop Center Road	West Loop Road	G	West Loop Road	H	528 ft.	12 ft.	Paved	Good	N/A	
Loop Connector Road	West Loop Road	C	East Loop Road	D	106 ft.	24 ft.	Paved	Good	N/A	
East Loop Road	Loop Connector Road	D	Loop Connector Road	E	2,059 ft.	12 ft.	Paved	Good	N/A	
Loop Return Road	East Loop Road	D	West Loop Road	F	53 ft.	12 ft.	Paved	Good	N/A	
Lewis Campground										
Main Access Road	French Meadows Reservoir North Shore Access Road	A	North Loop/South Loop Roads	B	158 ft.	24 ft.	Paved	Good	N/A	
South Loop Road	Main Access Road	B	South Loop Road	E	1,584 ft.	12 - 18 ft.	Paved	Good	N/A	
North Loop Road	Main Access Road	B	Main Access Road	B	1,320 ft.	12 - 18 ft.	Paved	Good	N/A	
North Loop Return Road	North Loop Road	C	North Loop Road	D	53 ft.	12 - 18 ft.	Paved	Good	N/A	
Poppy Campground										
Poppy Campground Trailhead Parking Area Road	French Meadows Reservoir North Shore Access Road	C	Poppy Campground Trailhead Parking Area	D	158 ft.	12 ft.	Paved	Good/Fair	N/A	
Coyote Group Campground										
Little Wolf and Brush Wolf Main Access Road and Loop	FR 96	A	Brush Wolf Campground	B	1,003 ft.	20 - 24 ft.	Paved	Good	N/A	
Prairie Wolf Main Access Road	Little Wolf and Brush Wolf Main Access Road and Loop	C	Prairie Wolf Campground	D	686 ft.	14 - 20 ft.	Paved	Good	N/A	
Prairie Wolf Loop Road	Prairie Wolf Main Access Road	E	Prairie Wolf Main Access Road	F	370 ft.	14 - 20 ft.	Paved	Good	N/A	
Black Bear Loop Road	French Meadows Reservoir North Shore Access Road	G	Black Bear Campground	H	475 ft.	24 ft.	Paved	Good	N/A	

Table REC 1-11. Characterization of Recreation Access Roads and Recreation Water Supply Facility Access Trails (continued).

Name	Start	ID Pt.*	End	ID Pt.*	Length	Width (Approximate) 8-12 ft. = single lane 20 ft. = one and one half lane 24 ft. = double lane	Surface Treatment	Overall Condition	Bridge Crossing Locations (road mile)	Comments
Recreation Access Roads (continued)										
French Meadows Reservoir Area (continued)										
Gates Group Campground										
Main Access Road	FR 68	N/A	Aspen Campground	N/A	2,904 ft.	20 - 24 ft.	Paved	Good	N/A	
Ponderosa Loop Road	Main Access Road	A	Ponderosa Campground	B	475 ft.	20 - 24 ft.	Paved	Good	N/A	
French Meadows Boat Ramp and Picnic Area										
French Meadows Boat Ramp and Picnic Area Main Access Road	FR 96	A	French Meadows Boat Ramp Parking Area	B	581 ft.	20 ft.	Paved	Good	N/A	
French Meadows Boat Ramp Road	French Meadows Boat Ramp and Picnic Area Main Access Road	C	French Meadows Boat Ramp	D	317 ft.	20 ft.	Paved	Good	N/A	
McGuire Boat Ramp and Associated Parking Areas										
French Meadows Reservoir North Shore Access Road (42.2)	FR 96	N/A	McGuire Boat Ramp	N/A	1.31 mi.	24 ft.	Paved	Good	N/A	
Parking NE Lot Access Loop Road	French Meadows Reservoir North Shore Access Road	E	French Meadows Reservoir North Shore Access Road	F	158 ft.	12 ft.	Paved	Good/Fair	N/A	
Parking SE Lot Access Road	French Meadows Reservoir North Shore Access Road	G	Parking SE Lot	H	53 ft.	12 ft.	Paved	Good	N/A	
McGuire Picnic Area and Beach										
McGuire Picnic Area and Beach Road	French Meadows Reservoir North Shore Access Road	A	McGuire Picnic Area and Beach Parking Area	B	845 ft.	12 ft.	Paved	Fair	N/A	
Long Canyon Area										
Middle Meadows Group Campground										
Middle Meadows Group Campground Road	FR 2	A	Middle Meadows Group Campground Unit #2 Parking Area	B	1,531 ft.	12 - 24 ft.	Paved	Fair/Poor	.09 Mi. (Concrete Ford)	
Ralston Afterbay Area										
Ralston Picnic Area and Cartop Boat Ramp										
Ralston Picnic Area and Cartop Boat Ramp Road	FR 23	A	Ralston Picnic Area and Cartop Boat Ramp Parking Area	B	264 ft.	20 ft.	Chip seal	Good	N/A	
Auburn State Recreation Area (ASRA)										
Drivers Flat Road	Foresthill Road	A	Canyon Creek Day Use Area	B	4.32 mi.	10 - 24 ft.	Paved (739 ft.) Aggregate (.33 mi.) Native (3.85 mi.)	Good/Poor	2.96 mi. (Concrete Ford)	
Recreation Water Supply Facility Access Trails										
Hell Hole Reservoir Area										
Big Meadows Campground Water Supply Facility Access Trail	Big Meadows Campground	G	Big Meadows Campground Water Supply Tank	H	1,214 ft.	6-8 ft.	Native	Fair / Poor	N/A	
French Meadows Reservoir Area										
French Meadows Campground Water Supply Facility Access Trail	FR 96	N/A	French Meadows Campground Water Supply Tank	N/A	1,267 ft.	12 ft.	Native	Fair	N/A	
Long Canyon Area										
Middle Meadows Group Campground Water Supply Facility Access Trail	Middle Meadows Group Campground Road	N/A	Middle Meadows Group Campground Water Supply Tank	N/A	2,112 ft.	8-12 ft.	Native	Fair / Poor	N/A	

* ID Pt. is shown on corresponding map

Table REC 1-12. Recreation Access Roads and Recreation Water Supply Facility Access Trails Survey Data.

Name	Point ID Number	RD ID	ID Pt.*	Road Mile	GPS Coordinates (NAD83 DD)		Road Log Data Collection Feature Codes	Description	Supplemental Information	Road Condition	Gate Condition	Culvert Condition	Photo Number	
					longitude	latitude								
Recreation Access Roads														
Hell Hole Reservoir Area														
Big Meadows Campground*														
Main Access Road (14N43)														
NOTE: A portion of the road was incorrectly identified as a recreation access road in the PAD. Survey data is listed for the multi-use general access road segment and the recreation access road segment.														
Multi-use General Access Road Segment:														
	BMC01	EK		0.000	-120.429406	39.071953	0 0	Begin Termini	Campground road begins off of FR2. Visibility: Right, poor (>100'). Left, good (~300').					
							14	Paved	Road condition is fair/poor. Road is full of potholes.	2 - 3				
							22	Single Lane	Width: ~12'.					
	BMC02	EL		0.007	-120.429429	39.072048	71	Steel Gate	Gate in good condition.		1		BMC02	
	BMC03	EM		0.053	-120.429924	39.072460	95-1	Road Damage	Road from last point to here abundant with small potholes (~2" deep).					
Recreation Access Road Segment:														
Also, Big Meadows Campground roads were improved after the detailed road survey was conducted as part of a barrier and road improvement project executed by PCWA in 2008 and 2009. Therefore, road survey information is no longer current			A	0.000	-120.429992	39.072817	0 0	Begin Termini	Begin recreation access road segment					
							14	Paved		2 - 3				
							22	Single Lane						
		BMC04	EN		0.015	-120.429786	39.072954	95-1	Road Damage					
		BMC05	EO		0.048	-120.429251	39.073184	95-1	Road Damage	Pothole (2' x1') on the right side of the road.				
		BMC06	EP		0.068	-120.429005	39.073400	95-1	Road Damage	Potholes abundant.				
		BMC07	ER		0.149	-120.427955	39.074101	95-1	Road Damage	Small potholes abundant throughout the road.				
		BMC08	ES	B	0.196	-120.427322	39.074554	99	End Termini	End recreation access road segment; intersection with Outer Loop Road.				
Outer Loop Road	BMC08	ES	B	0.000	-120.427322	39.074554	0 0	Begin Termini	Intersection with Main Access Road.					
							14	Paved						
							22	Single Lane						
		BMC09	ET	C	0.016	-120.427019	39.074548	95	Remark	Intersection with Loop Return Road.				
		BMC11	FC	D	0.231	-120.424231	39.075771	95	Remark	Intersection with the Center Road.				
		BMC12	FN	E	0.479	-120.426834	39.075083	95	Remark	Intersection with the Center Road.				
Center Road			F	0.485	-120.426956	39.074938	95	Remark	Intersection with Loop Return Road.					
		BMC08	ES	B	0.524	-120.427322	39.074554	99	End Termini	Intersection with Main Access Road.				
		BMC11	FC	D	0.000	-120.4242312	39.07577108	0 0	Begin Termini					
				E	0.163	-120.426958	39.074940	14	Paved					
Loop Return Road			F	0.000	-120.426956	39.074938	22	Single Lane						
							99	End Termini	No pertinent features noted					
	BMC09	ET	C	0.028	-120.427019	39.074548	0 0	Begin Termini						
Hell Hole Campground														
Hell Hole Campground Road (14N37)	HHC01	AC	A	0.000	-120.417439	39.069606	0 0	Begin Termini	Hell Hole Campground road begins off of FR-26. Visibility: Good in both directions (~300-700').					
							14	Paved	Road condition is fair. The entrance has many potholes and frost heaves. Alligator cracking throughout the roadway indicates subgrade failure.	2			HHC01	
							22	Single Lane	Width: ~10'.					
		HHC02	AD		0.009	-120.417334	39.069714	71	Steel Gate	In poor condition. Only the two posts are left and there is no actual gate.		3		HHC02
		HHC03	AE		0.025	-120.417155	39.069895	95-1	Road Damage	Alligator cracking throughout the roadway as well as some few small potholes. Road is in fair condition.				
		HHC04	AF		0.044	-120.417015	39.070151	83	Turnout, Left	Turnout is paved and in good condition. (60' long x 15' wide).				
							95-1	Road Damage	Water rill off the left side of the turnout. Water clearly flows down and across the turnout/road, although no water was present.				HHC04	
		HHC05	AH	B	0.061	-120.416776	39.070317	99	End Termini	Road ends at parking area for Hell Hole Campground.				
		HHC06	AI		0.061	-120.416786	39.070336	95	Remark	Corner of the Hell Hole Campground parking area. Parking area is paved and in good/fair condition. Alligator cracking and small potholes are abundant.				
		HHC07	AJ		0.061	-120.416713	39.070270	95	Remark	Corner of the Hell Hole Campground parking area. Parking area is paved and in good/fair condition. Alligator cracking and small potholes are abundant.				
	HHC08	AK		0.094	-120.416401	39.070695	95	Remark	Corner of the Hell Hole Campground parking area. Parking area is paved and in good/fair condition. Alligator cracking and small potholes are abundant.					
	HHC09	AL		0.094	-120.416325	39.070640	95	Remark	Corner of the Hell Hole Campground parking area. Parking area is paved and in good/fair condition. Alligator cracking and small potholes are abundant.					
Hell Hole Boat Ramp														
Hell Hole Boat Ramp Road	HHBR01	CG	A	0.000	-120.413318	39.060510	0 0	Begin Termini	Begin Hell Hole Boat Ramp Road					
							14	Paved	Good Condition, rocks lining the right side of the road.	1				
							23	One and One Half Lane	Width ~ 20'					
		HHBR02	CI	B	0.067	-120.413773	39.061241	10	Surface Change	From paved to concrete				
Hell Hole Boat Ramp							99	End Termini	End Hell Hole Boat Ramp Road					
							0 0	Begin Termini	Begin Hell Hole Boat Ramp					
							13	Aggregate	Concrete	1 - 2				
							23	One and One Half Lane	Width ~ 20'					
	HHBR03	CJ		0.082	-120.4148437	39.06194701	95-1	Road Damage	Alligator cracking in the center of the road from beginning. Cracks ~6" wide, indicating subgrade failure.					
			C	0.192	-120.413259	39.061867	99	End Termini						

Table REC 1-12. Recreation Access Roads and Recreation Water Supply Facility Access Trails Survey Data.

Name	Point ID Number	RD ID	ID Pt.*	Road Mile	GPS Coordinates (NAD83 DD)		Road Log Data Collection Feature Codes	Description	Supplemental Information	Road Condition	Gate Condition	Culvert Condition	Photo Number	
					longitude	latitude								
French Meadows Reservoir Area														
Ahart Campground														
Entrance Road			A	0.000	-120.408224	39.145986	0 0	Begin Termini	Visibility: Fair in both directions.					
							14	Aggregate	Road in good condition	1				
			E	0.003	-120.408186	39.145958	22	Single Lane	Width 10'					
			B	0.032	-120.408222	39.145583	95	Remark	Intersection with Exit Road; begin one-way traffic					
West Loop Road			B	0.000	-120.408222	39.145583	99	End Termini	Intersection with West Loop Road					
							0 0	Begin Termini						
							14	Aggregate	Road in good condition	1				
			B	0.091	-120.408222	39.145583	22	Single Lane	Width 10'					
Loop Connector Road			B	0.000	-120.408222	39.145583	99	End Termini						
							0 0	Begin Termini						
							14	Aggregate	Road in good condition	1				
			C	0.031	-120.407684	39.145688	22	Single Lane	Width 10'					
East Loop Road			C	0.000	-120.407684	39.145688	99	End Termini	Intersection with East Loop Road					
							0 0	Begin Termini						
							14	Aggregate	Road in good condition	1				
			C	0.123	-120.407684	39.145688	22	Single Lane	Width 10'					
Exit Road			D	0.000	-120.407783	39.245656	99	End Termini						
							0 0	Begin Termini						
							14	Aggregate	Road in good condition	1				
			E	0.034	-120.408186	39.145958	22	Single Lane	Width 10'					
French Meadows Reservoir Campground														
Main Access Road	FMC01	HN	A	0.000	-120.421222	39.113690	0 0	Begin Termini	Road into campground begins off of FR-96. Visibility: Good in both directions (~200' right and ~300' left)					
							14	Paved	Pavement is in good condition.	1				
							24	Double Lane	Width: ~24'					
		FMC02	HO	B	0.023	-120.421464	39.113966	95	Remark	Underground utility to the left of the road. Appears to be a water line.				
West Loop Road							99	End Termini	End Main Access Road					
		FMC02	HO	B	0.000	-120.421464	39.113966	0 0	Begin Termini	Begin West Loop Road				
								14	Paved	Road in good condition	1			
								24	Double Lane	Width: ~24'				
		FMC03	HQ	C	0.014	-120.421229	39.114138	20	Width Change	Road changes from a double lane to a single lane				
				F	0.030	-120.421219	39.114297	22	Single Lane	Width: ~12'				
		FMC04	HZ	G	0.068	-120.421573	39.114746	95	Remark	Intersection with Loop Return Road				
		FMC05	JG		0.213	-120.423772	39.114306	41	18" CMP	Culvert on right: In poor condition. ~70% buried and filled with sediment. Hard to see culvert from the road. Ponding is possible at the mouth (~1' deep, ~3'x~2' depression). No rip-rap present.			3	
		FMC06	JH		0.213	-120.423739	39.114258	41	18" CMP	Culvert on left: In poor condition. Hard to see from the road. ~98% buried. Culvert will not convey water. Water will more than likely over top the roadway.			3	
		FMC07	KY	H	0.414	-120.422849	39.113786	95	Remark	Intersection with West Loop Center Road				
		FMC08	KZ		0.418	-120.422789	39.113702	42	24" CMP	Culvert on left: In good condition. Rip-rap is present. Large rocks are present in the culvert but water can easily pass through. No ponding/standing water.			1	
		FMC09	LA		0.420	-120.422862	39.113735	42	24" CMP	Culvert on right: In good condition. Rip-rap is present. A few medium rocks are present at the mouth of the culvert, but water can still easily pass through. No ponding/standing water.			1	
	FMC10	LM		0.456	-120.422249	39.113517	42	24" CMP	Culvert on right: Culvert has metal skirt attached. In good condition. Rip-rap is present. Channel is clear and there is no blockage/ponding/standing water.			1	FMC10	
	FMC11	LN		0.456	-120.422302	39.113556	42	24" CMP	Culvert on left: In good condition. Culvert has metal skirt attached. Rip-rap is present. Channel is clear and there is no blockage/ponding/standing water.			1		
	FMC02	HO	B	0.512	-120.421464	39.113966	99	End Termini	End West Loop Road					
West Loop Center Road			G	0.000	-120.421573	39.114746	0 0	Begin Termini						
							14	Paved	Road in good condition	1				
							22	Single Lane	Width 12'					
			H	0.100	-120.422854	39.113793	99	End Termini						
Loop Connector Road			C	0.000	-120.421229	39.114138	0 0	Begin Termini						
							14	Paved	Road in good condition	1				
							22	Single Lane	Width 12'					
			D	0.017	-120.420992	39.000000	99	End Termini						
East Loop Road			D	0.000	-120.420992	39.114233	0 0	Begin Termini	Begin East Loop Road					
							14	Paved	Road in good condition	1				
							24	Double Lane	Width: ~24'					
							20	Width Change	Width of road changes from a single lane to a double lane road.					
		FMC16	MU		0.004	-120.420936	39.114276	71	Steel Gate	Gate for campsites 1-31. Gate in good condition.		1		

Table REC 1-12. Recreation Access Roads and Recreation Water Supply Facility Access Trails Survey Data.

Name	Point ID Number	RD ID	ID Pt.*	Road Mile	GPS Coordinates (NAD83 DD)		Road Log Data Collection Feature Codes	Description	Supplemental Information	Road Condition	Gate Condition	Culvert Condition	Photo Number
					longitude	latitude							
East Loop Road	FMC17	NA		0.027	-120.420640	39.114500	41	18" CMP	Culvert on right: Culvert is in fair condition. Culvert is rusted and cracked. ~1' high rock wall is present at the mouth. Water pond before entering the culvert. Culvert is otherwise clear.			2	
	FMC18	NB		0.027	-120.420684	39.114556	41	18" CMP	Culvert on left: Culvert is rusted but in otherwise good condition. Rip-rap is present. No blockage/ponding/standing water.			1	
	FMC19	NC		0.047	-120.420434	39.114740	20	Width Change	Road changes from a double lane to a single lane				
							22	Single Lane	Width: ~12'				
							95	Remark	Begin single lane loop. (This will also be the end point for the single lane loop).				
	FMC20	NM		0.100	-120.419490	39.114843	41	18" CMP	Culvert on right: Rusted but in good condition. Rip-rap is present. No blockage/ponding/standing water.			1	
	FMC21	NN		0.100	-120.419521	39.114888	41	18" CMP	Culvert on left: Culvert slightly crushed (~2") and rusted. ~1/4-1/2 the way blocked with sediment. No ponding/standing water. Rip-rap present. In fair condition.			2	
	FMC22	PB		0.268	-120.420602	39.116248	41	18" CMP	Culvert on left: ~85% buried and clogged ~3/4 of the way with sediment. Ponding will occur at the mouth. Otherwise the culvert is in good condition.			1	
	FMC23	PC		0.268	-120.420625	39.116332	41	18" CMP	Culvert on right: ~50% buried and ~50% clogged with sediment. IN poor condition. Ponding will occur in a 3'x4' x 3' deep depression at the mouth.				
FMC24	PV		0.342	-120.420330	39.115368	41	18" CMP	Culvert on left: Made of plastic. In good condition. Channel before culvert is clear. Rip-rap is present. Few (up to 2") rocks in the bottom of the culvert. Water can easily pass through.			1		
FMC25	PW		0.342	-120.420379	39.115383	41	18" CMP	Culvert on right: Made of plastic. Rip-rap is present. Channel is clear ahead of the culvert. 2" rocks and little bit of sediment at the bottom of the culvert. Water can easily pass through.			1		
FMC19	NC	E	0.388	-120.420434	39.114740	99	End Termini	End East Loop Road	1				
Loop Return Road			D	0.000	-120.420992	39.114233	00	Begin Termini					
							14	Paved	Road in good condition	1			
			F	0.012	-120.421219	39.114297	22	Single Lane	Width 12'				
						99	End Termini						
Lewis Campground													
Main Access Road	LC02	DT	A	0.000	120.416342	39.131932	00	Begin Termini	Main Access Road begins. Visibility: Good to the right (~300'), and fair/poor to the left (~150').				
							14	Paved	Road in good condition.	1			
							24	Double Lane	Width: ~24'				
LC03	DU		B	0.033	120.416434	39.131976	71	Steel Gate	Gate to Lewis campground in good condition.		1		LC02
							99	End Termini	End Main Access Road				
South Loop Road			B	0.000	-120.416856	39.132121	00	Begin Termini	Begin South Loop Road				
							14	Paved	Road in good condition.	1			
							23	One and One Half Lane	Width: 20'				
	LC09	GL		0.032	-120.417210	39.131790	41	18" CMP	Culvert on left: Conveys water under the roadway. Culvert ~90% blocked with debris. The channel is heavily vegetated. In fair condition.			2	
							95	Remark	Underground utility labeled "Tanker Fill".				
	LC10	GM		0.032	-120.417155	39.131742	41	18" CMP	Culvert on right: Conveys water under the roadway. In good condition. No blockage/water/ponding. No rip-rap present.			1	
	LC11	GN	E	0.041	-120.417249	39.131637	20	Width Change	Road width changes from one and one half lane to a single lane road.				
							22	Single Lane	Width: ~12'				
	LC12	HO		0.150	-120.418273	39.130970	41	18" CMP	Culvert on right: Water is conveyed under roadway. In good condition. Lots of woody debris in the channel. No blockage/water/ponding.			1	
	LC13	HP		0.150	-120.418273	39.130970	41	18" CMP	Culvert on left: In good condition. Woody debris and downed logs in the channel. No blockage/ponding/water. No rip-rap present.			1	
	LC14	IH		0.239	-120.417631	39.130889	42	24" CMP	Culvert on right: In good condition. Lots of vegetation in the channel. No blockage/water. Ponding will occur at the mouth of the culvert.			1	
LC15	II		0.239	-120.417576	39.130892	42	24" CMP	Culvert on left: In good condition. No blockage/water/ponding. No rip-rap present. Lots of vegetation in the channel.			1		
LC11	GN	E	0.296	-120.417249	39.131637	99	End Termini	End South Loop Road (single lane loop).					
North Loop Road			B	0.000	-120.416856	39.132121	00	Begin Termini	Begin North Loop Road				
							14	Paved	Road in good condition.	1			
							23	One and One Half Lane	Width: 20'				
	LC04	ED			-120.416900	39.132612	42	24" CMP	Culvert on left: Culvert in good condition and has metal inlet skirt. No blockage/water/ponding. No rip-rap present.			1	
	LC05	EE			-120.416852	39.132582	42	24" CMP	Culvert on right: In good condition. No blockage/ponding/water. No rip-rap present.			1	
	LC06	FE			-120.417254	39.133249	41	18" CMP	Culvert on right: Culvert conveys water under the roadway. In poor condition. Culvert is buried, crushed and blocked. Some water may still flow. No rip-rap present.			3	
	LC07	FF			-120.417238	39.133206	41	18" CMP	Culvert on left: Conveys water under the roadway. In good condition. No blockage/water/ponding.			1	
LC08	GG			-120.416973	39.132128	23	One and One Half Lane	Width: ~18'. Road in good condition.					
North Loop Return Road			C	0.000	-120.417063	39.132154	00	Begin Termini					
							14	Paved	Road in good condition.	1			
							22	Single Lane	Width 12'				
			D	0.015	-120.416877	39.132291	99	End Termini					

Table REC 1-12. Recreation Access Roads and Recreation Water Supply Facility Access Trails Survey Data.

Name	Point ID Number	RD ID	ID Pt.*	Road Mile	GPS Coordinates (NAD83 DD)		Road Log Data Collection Feature Codes	Description	Supplemental Information	Road Condition	Gate Condition	Culvert Condition	Photo Number	
					longitude	latitude								
Poppy Campground														
Poppy Campground Trailhead Parking Area Road	MBR30	CJ	C	0.000	-120.424451	39.124321	0 0	Begin Termini	Begin Poppy Campground Trailhead Parking Area Road. Visibility: Right, poor (>100'). Left, good (~300').					
							14	Paved	In good/fair condition.	1 - 2				
							22	Single Lane	Width: ~12'.					
		MBR31	CK		0.018	-120.424719	39.124379	95-1	Road Damage	Patch of aggregate spans the rest of the road ~5' wide on top of the pavement.				
		MBR32	CL	D	0.034	-120.424952	39.124233	99	End Termini	End Poppy Campground Trailhead Parking Area Road.	1 - 2			
		MBR33	CM		0.034	-120.424995	39.124263	95	Remark	Corner of the parking area. Parking area made of aggregate and in good condition.				
		MBR34	CN		0.034	-120.424928	39.124123	95	Remark	Corner of the parking area. Parking area made of aggregate and in good condition.				
	MBR35	CO		0.060	-120.425260	39.123922	95	Remark	Corner of the parking area. Parking area made of aggregate and in good condition.					
	MBR36	CP		0.071	-120.425460	39.123852	95	Remark	Corner of the parking area. Parking area made of aggregate and in good condition.					
Coyote Group Campground														
Little Wolf and Brush Wolf Main Access Road and Loop	CGC01	O	A	0.000	-120.409277	39.136401	0 0	Begin Termini	Begin Little Wolf and Brush Wolf Main Access Road and Loop. Visibility: Left- fair/poor (100'), Right-poor (50').					
							14	Paved	Pavement in good condition.	1				
							24	Double Lane	Width: ~20'					
							71	Steel Gate	Steel gate closed at the entrance of the campground. Gate is in good condition.		1		CGC01	
		CGC03	T		0.028	-120.409211	39.135984	95	Remark	Corner of first parking area in Little Wolf Campground. Parking area is paved and in good condition.				
		CGC04	U		0.028	-120.409199	39.136017	95	Remark	Corner of first parking area in Little Wolf Campground. Parking area is paved and in good condition.				
		CGC02	S		0.030	-120.409360	39.135959	95	Remark	Corner of second parking area in Little Wolf Campground. Parking area is paved and in good condition.				
		CGC06	W		0.032	-120.409378	39.135932	95	Remark	Corner of second parking area in Little Wolf Campground. Parking area is paved and in good condition.				
		CGC07	X		0.035	-120.409434	39.135780	95	Remark	Corner of second parking area in Little Wolf Campground. Parking area is paved and in good condition.				
		CGC08	Y		0.035	-120.409466	39.135792	95	Remark	Corner of second parking area in Little Wolf Campground. Parking area is paved and in good condition.				
		CGC09	Z		0.035	-120.409457	39.135910	95	Remark	Corner of second parking area in Little Wolf Campground. Parking area is paved and in good condition.				
				C	0.039	-120.409532	39.135914	95	Remark	Intersection with Prairie Wolf Main Access Road. Road in good condition.	1			
		CGC38	BQ		0.048	-120.409600	39.135798	95	Remark	Corner of third parking area in Little Wolf Campground.				
		CGC39	BR		0.048	-120.409510	39.135806	95	Remark	Corner of third parking area in Little Wolf Campground.				
		CGC40	BS		0.056	-120.409533	39.135669	95	Remark	Corner of third parking area in Little Wolf Campground.				
		CGC41	BT		0.056	-120.409621	39.135674	95	Remark	Corner of third parking area in Little Wolf Campground.				
		CGC42	BU		0.068	-120.409751	39.135547	71	Steel Gate	Gate controlling access to Brush Wolf Campground. Gate is in good condition.		1		CGC42
		CGC43	BW	B	0.095	-120.409927	39.135096	95	Remark	Begin Brush Wolf loop. Loop is in good condition.	1			
		CGC51	CI		0.142	-120.410102	39.134666	95	Remark	Corner of parking area in Brush Wolf Campground.				
		CGC52	CJ		0.142	-120.410136	39.134750	95	Remark	Corner of parking area in Brush Wolf Campground.				
	CGC53	CK		0.149	-120.410035	39.134687	95	Remark	Corner of parking area in Brush Wolf Campground.					
	CGC54	CL		0.149	-120.410015	39.134684	95	Remark	Corner of parking area in Brush Wolf Campground.					
	CGC44	CB	B	0.192	-120.409927	39.135096	99	End Termini	End Brush Wolf loop.					
Prairie Wolf Main Access Road			C	0.000	-120.409532	39.135914	0 0	Begin Termini	Begin Prairie Wolf Main Access Road.					
							14	Paved	Pavement in good condition.	1				
							24	Double Lane	Width: ~20'					
							20	Width Change	Road width changes from double lane to one and one half lane.					
		CGC10	AC		0.012	-120.409750	39.135954	23	One and One Half Lane	Width: ~14'				
							14	Paved	Road is in good condition. Road is elevated for water run off.	1				
							71	Steel Gate	Gate controlling access to Prairie Wolf Campground. Gate is in good condition.		1		CGC10	
		CGC11	AJ		0.079	-120.410620	39.136591	95	Remark	Corner of first parking area within the Prairie Wolf Campground. Parking area is paved and in good condition.				
		CGC12	AK		0.080	-120.410793	39.136553	95	Remark	Corner of first parking area within the Prairie Wolf Campground. Parking area is paved and in good condition.				
		CGC13	AL		0.085	-120.410833	39.136485	95	Remark	Corner of first parking area within the Prairie Wolf Campground. Parking area is paved and in good condition.				
	CGC14	AM		0.085	-120.410657	39.136505	95	Remark	Corner of first parking area within the Prairie Wolf Campground. Parking area is paved and in good condition.					
	CGC15	AO	E	0.105	-120.410848	39.136263	95	Remark	Intersection with Prairie Wolf Loop Road entrance					
			F	0.116	-120.410925	39.136120	95	Remark	Intersection with Prairie Wolf Loop Road exit					
	CGC18	AW	D	0.126	120.410954	39.135980	99	End Termini	End Prairie Wolf Main Access Road.					
Prairie Wolf Loop Road	CGC15	AO	E	0.000	120.410848	39.136263	0 0	Begin Termini	Begin Prairie Wolf Loop Road					
							14	Paved	Road is in good condition.	1				
							23	One and One Half Lane	Width: ~14'					
		CGC26	BE		0.007	-120.410969	39.136383	95	Remark	Corner of right-hand parking area in Prairie Wolf Campground loop.				
		CGC27	BF		0.011	-120.411011	39.136394	95	Remark	Corner of right-hand parking area in Prairie Wolf Campground loop.				
		CGC34	BM		0.019	-120.411234	39.136248	95	Remark	Corner of first left-hand parking area in Prairie Wolf Campground loop.				
		CGC35	BN		0.024	-120.411303	39.136243	95	Remark	Corner of first left-hand parking area in Prairie Wolf Campground loop.				
	CGC36	BO		0.024	-120.411273	39.136311	95	Remark	Corner of first left-hand parking area in Prairie Wolf Campground loop.					

Table REC 1-12. Recreation Access Roads and Recreation Water Supply Facility Access Trails Survey Data.

Name	Point ID Number	RD ID	ID Pt.*	Road Mile	GPS Coordinates (NAD83 DD)		Road Log Data Collection Feature Codes	Description	Supplemental Information	Road Condition	Gate Condition	Culvert Condition	Photo Number
					longitude	latitude							
Prairie Wolf Loop Road	CGC16	AR		0.028	-120.411356	39.136335	41	18" CMP	Culvert on right: Culvert is less than 18", more like a 12" CMP. Culvert in good condition with ~10% of the bottom covered in sediment. Culvert is slightly buried with a possibility of ponding. No rip-rap or water present.			1	
	CGC17	AS		0.029	-120.411352	39.136289	41	18" CMP	Culvert on left: Culvert is less than 18", more like a 12" CMP. Culvert is in good condition. ~50-60% filled with sediment/buried. Culvert is still functional, although the channel and culvert should be cleared.			1	
	CGC20	AY		0.040	-120.411395	39.136159	41	18" CMP	Culvert on left: Culvert is less than 18", more like a 12" CMP. Culvert is in good condition, but ~90% buried/filled with woody debris. Culvert may still be able to convey small amounts of water. No standing water/ponding.			1	
	CGC19	AX		0.045	-120.411361	39.136081	41	18" CMP	Culvert on right: Culvert is less than 18", more like a 12" CMP. Culvert in good/fair condition, although it's ~90% filled with sediment and channel is full of woody debris. Culvert is able to convey a small amount of water. No rip-rap or water present.			1 - 2	
	CGC21	AZ		0.045	-120.411351	39.136121	95	Remark	Corner of second left-hand parking area in Prairie Wolf Campground loop.				
	CGC22	BA		0.045	-120.411338	39.136179	95	Remark	Corner of second left-hand parking area in Prairie Wolf Campground loop.				
	CGC23	BB		0.062	-120.411002	39.136205	95	Remark	Corner of second left-hand parking area in Prairie Wolf Campground loop.				
	CGC24	BC		0.065	-120.410951	39.136152	95	Remark	Corner of second left-hand parking area in Prairie Wolf Campground loop.				
			F	0.067	-120.410925	39.136120	99	End Termini	End Prairie Wolf Loop Road.				
Black Bear Loop Road		A	G	0.000	-120.413950	39.135082	0 0	Begin Termini	Begin Black Bear Loop Road				
							14	Paved	Pavement in good condition.	1			
							24	Double Lane	Width: ~20'				
		C		0.007	-120.413825	39.135021	71	Steel Gate	Steel gate closed at the entrance of the campground. Gate is in good condition.		1		
		H	H	0.014	-120.413724	39.134985	95	Remark	Intersection with end of Black Bear Loop Road				
		I		0.019	-120.413685	39.134891	95	Remark	Corner of pavement on right side.				
		J		0.024	-120.413718	39.134718	95	Remark	Corner of pavement on right side.				
		L		0.027	-120.413675	39.134711	95	Remark	Corner of pavement on right side.				
		K		0.029	-120.413576	39.134759	95	Remark	Corner of pavement on right side.				
		M		0.054	-120.413164	39.134971	95	Remark	Corner of parking area in Black Bear Campground				
		N		0.054	-120.413017	39.135006	95	Remark	Corner of parking area in Black Bear Campground				
		O		0.056	-120.413045	39.135062	95	Remark	Corner of parking area in Black Bear Campground				
		P		0.057	-120.413204	39.135015	95	Remark	Corner of parking area in Black Bear Campground				
		Q		0.059	-120.413055	39.135132	95	Remark	Corner of parking area in Black Bear Campground				
		R		0.062	-120.413105	39.135188	95	Remark	Corner of parking area in Black Bear Campground				
	S		0.064	-120.413258	39.135145	95	Remark	Corner of parking area in Black Bear Campground					
	T		0.067	-120.413373	39.135247	95	Remark	Corner of parking area in Black Bear Campground					
		H	H	0.085	-120.413724	39.134985	99	End Termini	End Black Bear Loop Road				
Gates Group Campground													
	GGC01	CS	N/A	0.000	-120.404276	39.136377	0 0	Begin Termini	Begin road to Gates Group campground off of FR-68. Visibility: Right ~ 300' (good), Left: ~150' (fair).				
							14	Paved	Road surface in good condition.	1			
							24	Double Lane	Width: ~24'				
							71	Steel Gate	Gate open and in good condition.		1		GGC01
	GGC02	CT		0.018	-120.404560	39.136505	52	Start Ditch, Right	Ditch in fair condition. Over-grown with lots of vegetation in the channel. ~2' wide x 1.5' deep.				
	GGC03	CU		0.036	-120.404730	39.136728	54	End Ditch, Right					
	GGC04	CV		0.036	-120.404701	39.136720	41	18" CMP	Culvert on right: In good condition. No blockage/water. No rip-rap present. Ponding will occur at a depression at the mouth (~5'x5'-5' deep)			1	
	GGC05	CW		0.036	-120.404802	39.136717	41	18" CMP	Culvert on left: In good condition. No blockage/ponding/water. No rip-rap present.			1	
	GGC06	CX		0.063	-120.404703	39.137115	54	End Ditch, Right	Underground utility present. Possibly runs parallel to the roadway.				
	GGC07	CY		0.063	-120.404654	39.137121	41	18" CMP	Culvert on right: In good condition. Slight (~20%) woody debris blockage. No standing water, although it may pond at the mouth of the culvert.			1	
	GGC08	CZ		0.063	-120.404747	39.137128	41	18" CMP	Culvert on left: In good condition. No blockage. Mouth located ~ 3' above the ground. No rip-rap present. Deep depression (~8' deep, 5' wide x 5' long) at the base of the culvert.			1	
	GGC09	DA		0.083	-120.404722	39.137398	52	Start Ditch, Right	Ditch is over-grown but in good condition and can convey water.				
	GGC10	DB		0.098	-120.404868	39.137588	51	Start Ditch, Left	Ditch is shallow (~.5') but in good condition and can convey water easily.				
	GGC11	DE		0.161	-120.405513	39.138317	54	End Ditch, Right					
							55	End Ditch, Left					
	GGC12	DF		0.169	-120.405614	39.138401	41	18" CMP	Culvert on right: Culvert is in fair condition. It's rusted and ~20% clogged. Lots of woody debris in the channel.			2	
	GGC13	DG		0.179	-120.405802	39.138407	41	18" CMP	Culvert on left: Culvert is in good condition. No blockage. Ponding is possible in a 6'x5' depression at the mouth of the culvert. Rip-rap present.			1	
	GGC14	DH		0.185	-120.405899	39.138494	41	18" CMP	Culvert on right: Rusted but in good condition. Slightly buried (~1/2'). Rip-rap is present. Channel is clear and in good condition.			1	
GGC15	DI		0.190	-120.405982	39.138440	41	18" CMP	Culvert on left: In good condition. No blockage. Ponding is possible at the 2' deep depression at the mouth. Channel has some woody debris in it, but water will still flow.			1		
GGC16	DJ		0.191	-120.406000	39.138457	52	Start Ditch, Right	Ditch is in good condition. It's deep ~1' and vegetation is present in the channel.					
GGC17	DL		0.234	-120.406777	39.138572	51	Start Ditch, Left	Ditch is shallow and wide (~2-2.5' wide x ~2-3' deep).					
GGC18	DN		0.266	-120.407213	39.138878	53	End Ditch, Left						

Table REC 1-12. Recreation Access Roads and Recreation Water Supply Facility Access Trails Survey Data.

Name	Point ID Number	RD ID	ID Pt.*	Road Mile	GPS Coordinates (NAD83 DD)		Road Log Data Collection Feature Codes	Description	Supplemental Information	Road Condition	Gate Condition	Culvert Condition	Photo Number
					longitude	latitude							
Main Access Road	GGC18	DN		0.266	-120.407380	39.138977	54	End Ditch, Right					
	GGC19	DO		0.277	-120.407339	39.139019	42	24" CMP	Culvert on right: In good condition, slightly smashed by 2-3". Slightly buried by ~1/2'. Ponding possible at the culvert mouth.			1	
	GGC20	DP		0.277	-120.407409	39.138977	42	24" CMP	Culvert on left: Not found. Too much vegetation around culvert and in the channel.			3	
	GGC21	DQ		0.302	-120.407774	39.139186	95	Remark	Underground utility present. Possibly runs parallel to the roadway.				
							51	Start Ditch, Left	In good condition, but shallow.				
							52	Start Ditch, Right	In good condition, but shallow.				
	GGC22	DR		0.338	-120.408076	39.139644	53	End Ditch, Left					
							54	End Ditch, Right					
	GGC23	DS		0.342	-120.408136	39.139674	42	24" CMP	Culvert on left: In good condition. ~2-2.5' off the ground. Ponding possible in ~4'x2' depression at the mouth of the culvert (~2-2.5' deep). Rip-rap is present. Channel is in good condition. No blockage/water.			1	
	GGC24	DT		0.345	-120.408108	39.139744	42	24" CMP	Culvert on right: In good condition. No blockage/water. Channel is clear. No rip-rap is present.			1	
	GGC25	DW		0.407	-120.408711	39.140485	51	Start Ditch, Left	In good condition.				
							52	Start Ditch, Right	In good condition.				
			A	0.421	-120.408956	39.140556	95	Remark	Intersection with Ponderosa Loop Road				
	GGC84	GO		0.436	-120.409293	39.140450	95	Remark	Corner of right-hand parking area in Lodgepole Campground.				
	GGC85	GP		0.436	-120.409237	39.140419	95	Remark	Corner of right-hand parking area in Lodgepole Campground.				
	GGC88	GS		0.436	-120.409014	39.140278	95	Remark	Corner of first left-hand parking area in Lodgepole Campground.				
	GGC89	GT		0.436	-120.409125	39.140407	95	Remark	Corner of first left-hand parking area in Lodgepole Campground.				
	GGC86	GQ		0.443	-120.409205	39.140338	95	Remark	Corner of first left-hand parking area in Lodgepole Campground.				
	GGC87	GR		0.443	-120.409083	39.140244	95	Remark	Corner of first left-hand parking area in Lodgepole Campground.				
	GGC82	GM		0.449	-120.409336	39.140302	95	Remark	Corner of right-hand parking area in Lodgepole Campground.				
	GGC83	GN		0.449	-120.409393	39.140351	95	Remark	Corner of right-hand parking area in Lodgepole Campground.				
	GGC61	FM		0.462	-120.409460	39.140145	95	Remark	Underground utility (waterline) located on the right of the road.				
	GGC76	GF		0.467	-120.409704	39.140073	95	Remark	Corner of second left-hand parking area in Lodgepole Campground.				
	GGC79	GJ		0.467	-120.409637	39.140037	95	Remark	Corner of second left-hand parking area in Lodgepole Campground.				
	GGC77	GH		0.478	-120.409830	39.139957	95	Remark	Corner of second left-hand parking area in Lodgepole Campground.				
	GGC78	GI		0.478	-120.409808	39.139923	95	Remark	Corner of second left-hand parking area in Lodgepole Campground.				
	GGC62	FN		0.482	-120.409832	39.140070	71	Steel Gate	Gate is located at the entrance of the road to the Aspen camp. Gate is open and in good condition.		1		GGC62
							95	Remark	Begin segment to Aspen Campground.	1			
							51	Start Ditch, Left	Ditch is in good condition.				
	GGC62	FO			-120.410075	39.139999	20	Width Change	Road width changes from double lane to one and one half lane.				
							23	One and One Half Lane	Width: ~20'				
GGC75	GE		0.513	-120.410316	39.139819	95	Remark	Corner of first parking area in Aspen Campground.					
GGC74	GD		0.520	-120.410451	39.139639	95	Remark	Corner of first parking area in Aspen Campground.					
GGC70	FZ		0.526	-120.410283	39.139621	95	Remark	Corner of first parking area in Aspen Campground.					
GGC71	GA		0.526	-120.410261	39.139603	95	Remark	Corner of first parking area in Aspen Campground.					
GGC72	GB		0.526	-120.410308	39.139631	95	Remark	Corner of first parking area in Aspen Campground.					
GGC73	GC		0.526	-120.410366	39.139598	95	Remark	Corner of first parking area in Aspen Campground.					
			0.536	-120.410255	39.139464	95	Remark	Corner of second parking area in Aspen Campground.					
GGC69	FY		0.542	-120.410213	39.139336	95	Remark	Corner of second parking area in Aspen Campground.					
GGC68	FX		0.543	-120.410150	39.139325	95	Remark	Corner of turnaround area in Aspen Campground					
GGC64	FT		0.548	-120.410020	39.139368	95	Remark	Corner of turnaround area in Aspen Campground					
		N/A	0.553	-120.409936	39.139467	99	End Termini	End of Main Access Road (at Aspen Campground).					
Ponderosa Loop Road			A	0.000	-120.408957	39.140560	0 0	Begin Termini	Begin Ponderosa Loop Road				
							14	Paved	Road surface in good condition.	1			
							24	Double Lane	Width: ~24'				
	GGC26	DY		0.006	-120.409051	39.140603	71	Steel Gate	Gate. In good condition.		1		GGC26
	GGC56	FG		0.011	-120.409166	39.140716	95	Remark	Corner of first right-hand parking area in Ponderosa Campground.				
	GGC57	FH		0.011	-120.409166	39.140835	95	Remark	Corner of first right-hand parking area in Ponderosa Campground.				
	GGC58	FI		0.011	-120.409030	39.140771	95	Remark	Corner of first right-hand parking area in Ponderosa Campground.				
	GGC59	FJ		0.011	-120.409010	39.140636	95	Remark	Corner of first right-hand parking area in Ponderosa Campground.				
	GGC52	FC		0.011	-120.409286	39.140676	95	Remark	Corner of first left-hand parking area in Ponderosa Campground.				
	GGC53	FD		0.011	-120.409391	39.140614	95	Remark	Corner of first left-hand parking area in Ponderosa Campground.				
	GGC54	FE		0.011	-120.409271	39.140527	95	Remark	Corner of first left-hand parking area in Ponderosa Campground.				
	GGC55	FF		0.011	-120.409144	39.140601	95	Remark	Corner of first left-hand parking area in Ponderosa Campground.				
	GGC29	EF		0.033	-120.409336	39.140806	95	Remark	Corner of second right-hand parking area in Ponderosa Campground.				
	GGC30	EG		0.033	-120.409499	39.140979	95	Remark	Corner of second right-hand parking area in Ponderosa Campground.				
	GGC32	EI		0.039	-120.409545	39.140861	95	Remark	Corner of second left-hand parking area in Ponderosa Campground.				
	GGC33	EJ		0.039	-120.409636	39.140863	95	Remark	Corner of second left-hand parking area in Ponderosa Campground.				
	GGC34	EK		0.039	-120.409714	39.140899	95	Remark	Corner of second left-hand parking area in Ponderosa Campground.				
	GGC35	EL		0.039	-120.409619	39.140924	95	Remark	Corner of second left-hand parking area in Ponderosa Campground.				
	GGC36	EM		0.048	-120.409655	39.141006	95	Remark	Underground utility present (waterline).				
	GGC37	EN		0.049	-120.409728	39.141083	95	Remark	Corner of third right-hand parking area in Ponderosa Campground.				
	GGC38	EO		0.049	-120.409755	39.141035	95	Remark	Corner of third right-hand parking area in Ponderosa Campground.				

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					longitude	latitude								
Ponderosa Loop Road	GGC40	EQ		0.061	-120.409855	39.140878	95	Remark	Corner of forth right-hand parking area in Ponderosa Campground.					
	GGC41	ER		0.061	-120.409898	39.140797	95	Remark	Corner of forth right-hand parking area in Ponderosa Campground.					
	GGC42	ES		0.061	-120.409880	39.140833	95	Remark	Corner of forth right-hand parking area in Ponderosa Campground.					
	GGC43	ET		0.061	-120.409814	39.140859	95	Remark	Corner of forth right-hand parking area in Ponderosa Campground.					
	GGC44	EU		0.071	-120.409738	39.140803	95	Remark	Corner of fifth right-hand parking area in Ponderosa Campground.					
	GGC45	EV		0.071	-120.409752	39.140781	95	Remark	Corner of fifth right-hand parking area in Ponderosa Campground.					
	GGC46	EW		0.071	-120.409660	39.140755	95	Remark	Corner of fifth right-hand parking area in Ponderosa Campground.					
	GGC47	EX		0.071	-120.409643	39.140782	95	Remark	Corner of fifth right-hand parking area in Ponderosa Campground.					
	GGC48	EY		0.078	-120.409596	39.140758	95	Remark	Corner of sixth right-hand parking area in Ponderosa Campground.					
	GGC49	EZ		0.078	-120.409533	39.140715	95	Remark	Corner of sixth right-hand parking area in Ponderosa Campground.					
	GGC50	FA		0.078	-120.409381	39.140716	95	Remark	Corner of sixth right-hand parking area in Ponderosa Campground.					
	GGC51	FB		0.078	-120.409371	39.140724	95	Remark	Corner of sixth right-hand parking area in Ponderosa Campground.					
	GGC27	DZ	B		0.086	-120.409432	39.140809	99	End Termini	End Ponderosa Loop Road	1			
French Meadows Boat Ramp and Picnic Area														
French Meadows Boat Ramp and Picnic Area Main Access Road	FMBR01	KA	A	0.000	-120.428513	39.109332	0 0	Begin Termini	Begin French Meadows Boat Ramp and Picnic Area Main Access Road off of FR 96. Visibility: Fair/poor to the right (~100') and good to the left (~300').					
							14	Paved	Road in good condition. Vegetation is thick around the edges of the road.	1				
							23	One and One Half Lane	Width: ~20'					
	FMBR02	KE		0.042	-120.428682	39.109873	45	>36" CMP	Culverts on left: 2 >36" culverts (~4') in a concrete structure ~12' long. Lots of medium-large sized rip-rap present. Both in good condition. Little bit of standing water on the bottom of the culverts, although there is no flow. The right culvert is ~85% blocked by rocks and vegetation. The left culvert is slightly buried.			1		
	FMBR26	LH		0.042	-120.428690	39.109899	45	36" CMP	Culverts on right: 2 4' culverts are in a concrete structure. Both culverts are more than 50% clogged with woody debris, although they are still functional and in good condition.			1		
	FMBR25	LG		0.073	-120.428464	39.110312	95	Remark	Corner of picnic area parking lot. Surface is pavement and in good condition.					
	FMBR23	LE		0.086	-120.428282	39.110445	95	Remark	Corner of picnic area parking lot. Surface is pavement and in good condition.					
	FMBR22	LD		0.088	-120.428200	39.110410	95	Remark	Corner of picnic area parking lot. Surface is pavement and in good condition.					
				C	0.100	-120.428025	39.110507	95	Remark	Intersection with French Meadows Boat Ramp Road				
				B	0.110	-120.427891	39.110611	99	End Termini	End French Meadows Boat Ramp and Picnic Area Main Access Road				
	FMBR18	KY		0.110	-120.427812	39.110541	95	Remark	Corner of French Meadows boat ramp parking area. Surface is aggregate and in good condition.					
	FMBR21	LC		0.110	-120.428002	39.110724	95	Remark	Corner of French Meadows boat ramp parking area. Surface is aggregate and in good condition.					
	FMBR20	LB		0.172	-120.427245	39.111399	95	Remark	Corner of French Meadows boat ramp parking area. Surface is aggregate and in good condition.					
FMBR19	LA		0.176	-120.426983	39.111257	95	Remark	Corner of French Meadows boat ramp parking area. Surface is aggregate and in good condition.						
French Meadows Boat Ramp Road			C	0.000	-120.428025	39.110507	0 0	Begin Termini	Begin French Meadows Boat Ramp Road					
							14	Paved	Road in good condition.	1				
							23	One and One Half Lane	Width: ~20'					
	FMBR16	KW		0.035	-120.428522	39.110864	95	Remark	Corner of first upper boat ramp turnaround					
	FMBR17	KX		0.037	-120.428422	39.110894	95	Remark	Corner of first upper boat ramp turnaround					
	FMBR14	KU		0.041	-120.428608	39.110939	95	Remark	Corner of first upper boat ramp turnaround					
	FMBR15	KV		0.043	-120.428519	39.111020	95	Remark	Corner of first upper boat ramp turnaround					
	FMBR04	KI		0.052	-120.428507	39.111144	95-1	Road Damage	~1"-2" wide cracks in the concrete running down the center of the boat ramp.					
			D	0.058	-120.428518	39.111229	99	End Termini	End French Meadows Boat Ramp Road					
French Meadows Boat Ramp			D	0.000	-120.428518	39.111229	0 0	Begin Termini	Begin French Meadows Boat Ramp					
							13	Aggregate	Concrete	1				
							23	One and One Half Lane	Width ~ 20'					
	FMBR12	KS		0.014	-120.428742	39.111429	95	Remark	Corner of second boat ramp turnaround.					
	FMBR13	KT		0.014	-120.428596	39.111418	95	Remark	Corner of second boat ramp turnaround.					
	FMBR10	KQ		0.025	-120.428776	39.111557	95	Remark	Corner of second boat ramp turnaround.					
	FMBR11	KR		0.025	-120.428608	39.111585	95	Remark	Corner of second boat ramp turnaround.					
	FMBR09	KP		0.048	-120.428563	39.111933	95	Remark	Corner of third boat ramp turnaround.					
	FMBR08	KO		0.049	-120.428417	39.111973	95	Remark	Corner of third boat ramp turnaround.					
	FMBR06	KM		0.059	-120.428419	39.112096	95	Remark	Corner of third boat ramp turnaround.					
	FMBR07	KN		0.059	-120.428575	39.112097	95	Remark	Corner of third boat ramp turnaround.					
	FMBR27	A		0.080	-120.428602	39.112398	95	Remark	Corner of forth boat ramp turnaround.					
	FMBR28	B		0.080	-120.428460	39.112428	95	Remark	Corner of forth boat ramp turnaround.					
	FMBR29	C		0.090	-120.428473	39.112551	95	Remark	Corner of forth boat ramp turnaround.					
	FMBR30	D		0.090	-120.428610	39.112537	95	Remark	Corner of forth boat ramp turnaround.					
			E	0.118	-120.428729	39.112930	99	End Termini	End Boat Ramp					
French Meadows Picnic Area Trail	FMPA01	E	F	0.000	-120.428494	39.110280	0 0	Begin Termini	French Meadows picnic area trail begins off of the upper French Meadows boat ramp parking area.					
							12	Native	Trail in good condition and well marked.	1				
							21	Less Than Single Lane	Width: ~4-6'					
	FMPA02	I		0.032	-120.429073	39.110293	95-2	Stream Crossing	Creek/drainage crossing. Larger rocks and cobbles run across the trail. No water present, but it can be easily conveyed.					
FMPA03	L		0.069	-120.429604	39.110186	95	Remark	Underground utility marker.						
			G	0.087	-120.429794	39.109895	99	End Termini	End trail.					

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					longitude	latitude							
McGuire Boat Ramp and Associated Parking Area													
French Meadows Reservoir North Shore Access Road	RTMBR01	A	N/A	0.000	-120.411267	39.137470	0 0	Begin Termini	Begin FM Reservoir North Shore Access Road off of FR96. Visibility: Fair in both directions.				
							14	Paved	Road is in good condition.	1			
							24	Double Lane	Width: ~24'				
	RTMBR03	C		0.031	-120.411812	39.137271	52	Start Ditch, Right	Ditch in fair condition. Water appears to be able to flow out of the ditch and along the right side of the road.				
	RTMBR04	D		0.046	-120.412046	39.137204	95-1	Road Damage	Alligator cracking ~5.5' wide along the center of the road indicates subgrade failure. Lasts until MBR07.				
	RTMBR05	E		0.071	-120.412474	39.137056	54	End Ditch, Right	No culvert. Ditch runs off to the side of the roadway.				
	RTMBR06	F		0.081	-120.412641	39.137032	84	Turnout, Right	Turnout surface is native and in good condition. ~10' long x 40' wide.				
	RTMBR07	G		0.910	-120.412764	39.136873	52	Start Ditch, Right	Ditch is naturally made by high water flow. Ditch is shallow (~3/4' deep) although water can easily run down the channel without overtopping the roadway.				
	RTMBR08	H		0.132	-120.413090	39.136453	41	18" CMP	Culvert on right: Conveys water under road 42, (a logging road) and runs parallel to McGuire Boat Ramp road. Culvert is in good condition. No blockage/water/ponding. Rip-rap is present.			1	
	RTMBR09	I		0.132	-120.413207	39.136316	41	18" CMP	Culvert on right: Conveys water under road 42, (a logging road) and runs parallel to McGuire Boat Ramp road. Culvert in fair/poor condition. Culvert is crushed down to ~8" and has some sediment blockage. Water could still pass through, but in a large and heavy rain event water would be unable to.			2	
	RTMBR10	J		0.158	-120.413334	39.136315	95-1	Road Damage	Pavement has minor cracking indicating small subgrade failure along most of the roadway.				
	RTMBR11	L		0.314	-120.414696	39.134051	95-1	Road Damage	Crack running perpendicular across the roadway ~1-1.5" wide.				
	RTMBR12	N		0.371	-120.415771	39.132885	54	End Ditch, Right					
	RTMBR13	O		0.416	-120.415821	39.132905	44	36" CMP	Culvert on right: In good condition. Some minor sediment blockage. No water/ponding. Rip-rap is present leading into the culvert from both the ditch and a creek adjacent to the culvert.			1	
	RTMBR14	P		0.416	-120.415767	39.132870	44	36" CMP	Culvert on left: In good condition. Lots of vegetation surround it. Rip-rap along creek bottom leading out of the culvert. No water/ponding.			1	
							52	Start Ditch, Right	Ditch in good condition.				
	RTMBR15	Q		0.447	-120.416086	39.132500	41	18" CMP	Culvert on right: In good condition. Lots of vegetation at the mouth which could impede water flow, but culvert is not blocked by sediment.			1	
	RTMBR16	R		0.447	-120.416000	39.132498	41	18" CMP	Culvert on left: In good condition. No blockage/water/ponding. Mouth located ~ 5' off the ground. Lots of veg in the channel and no rip-rap present.			1	
	RTMBR17	S		0.489	-120.416286	39.132012	41	18" CMP	Culvert on right: Less than 18" culvert running parallel to the roadway. Culvert is buried by debris and very little water could be conveyed.			3	
	RTMBR18	T		0.489	120.416371	39.131865	41	18" CMP	Culvert on left: Less than 18" culvert running parallel to the roadway. Culvert is 95% clogged with debris. Little water would be able to pass through the culvert.			3	
	RTMBR19	U		0.511	-120.416438	39.131621	54	End Ditch, Right	Ditch ends in both directions.				
	RTMBR20	V		0.519	-120.416539	39.131522	41	18" CMP	Culvert on right: In good condition. No blockage/water/ponding. No rip-rap present. Lots of surrounding vegetation.			1	
	RTMBR21	W		0.519	-120.416468	39.131505	41	18" CMP	Culvert on left: In good condition. Pine needles and debris creating minor clogging. There is a storm drain that runs across the road.			1	
	RTMBR22	X		0.519	-120.416506	39.131531	54	End Ditch, Right					
	RTMBR23	Y		0.575	-120.416907	39.130761	44	36" CMP	Culvert on right: ~25% clogged with woody debris. Otherwise in good condition. No blockage/ponding/water. No rip-rap present. Lots of vegetation in the channel.			1	
	RTMBR24	Z		0.575	-120.416805	39.130765	44	36" CMP	Culvert on left: In good condition. Slightly obstructed by vegetation in the channel. No rip-rap/water/ponding.			1	
	RTMBR25	AA		0.577	-120.416853	39.130734	52	Start Ditch, Right	In good condition, although there is a lot of vegetation in the channel. Shallow (~1/2' deep).				
	RTMBR26	AB		0.599	-120.416968	39.130417	95	Remark	Utility marker for a possible storm drain/water pipe off the right side of the road. Looks as if the utility is running parallel to the road.				
	RTMBR27	AC		0.610	-120.416944	39.130266	83	Turnout, Left	Surface of turnout is native and in good condition. ~8' downed logs in the center of the turnout.				
							52	Start Ditch, Right	Ditch in good condition.				
	RTMBR28	AE		0.750	-120.418539	39.128683	54	End Ditch, Right					
	RTMBR29	AF		0.750	-120.418627	39.128694	41	18" CMP	Culvert on right: In good condition. No blockage/water/ponding. No rip-rap present.			1	
	RTMBR30	AG		0.750	-120.418506	39.128675	41	18" CMP	Culvert on left: In good condition. No water/ponding. ~25% clogged with debris and sediment. No rip-rap present.			1	
	RTMBR31	AH		0.795	-120.418983	39.128087	95-1	Road Damage	Alligator cracking on the left half of the roadway indicating subgrade failure. Tree roots are uplifting the pavement for ~70'.				
							52	Start Ditch, Right	Ditch is shallow, and almost disappears. Water could easily over top the roadway.				
							54	End Ditch, Right					
	RTMBR33	AJ		0.897	-120.419615	39.126728	95	Remark	Spillway Unit Assembly. A 7' wide at the top and 4' wide at the bottom. Lots of rip-rap boulders at the top of the inlet. Spillway is made of concrete.				
	RTMBR34	AL		0.897	-120.419577	39.126703	44	36" CMP	Culvert on left: Culvert is across from the concrete spillway. In good condition. No blockage/water/ponding. Lots of vegetation in the channel and at the mouth of the culvert.			1	
RTMBR35	AP		1.103	-120.422516	39.124926	95-1	Road Damage	~15' ahead of this point, on the right of the road, there is a 10' x 10' frost/tree root heave.					
RTMBR36	AS		1.209	-120.424337	39.124353	41	18" CMP	Culvert on right: Culverts run parallel to the road. The culvert is more than 50% blocked with woody debris. Little water would be able to flow through the culvert.			2		
RTMBR37	AT		1.218	-120.424498	39.124287	41	18" CMP	Culvert on right: Culverts run parallel to the road. The outlet is ~25% clogged, but the culvert appears clear. No water/ponding.			1		
RTMBR38	AU		1.225	-120.424569	39.124191	95	Remark	Unidentified utility ~3' off the left side of the road.					

Table REC 1-12. Recreation Access Roads and Recreation Water Supply Facility Access Trails Survey Data.

Name	Point ID Number	RD ID	ID Pt.*	Road Mile	GPS Coordinates (NAD83 DD)		Road Log Data Collection Feature Codes	Description	Supplemental Information	Road Condition	Gate Condition	Culvert Condition	Photo Number
					longitude	latitude							
French Meadows Reservoir North Shore Access Road	RTMBR39	AV		1.272	-120.425051	39.123629	95	Remark	Underground utility marked as "Tanker fill" off the right of the road (~5').				
	RTMBR42	AY		1.289	-120.425264	39.123379	54	End Ditch, Right					
	RTMBR43						52	Start Ditch, Right	Ditch in good condition.				
	RTMBR40	AW		1.289	-120.425286	39.123405	41	18" CMP	Culvert on right: In good condition. No blockage/ponding/water.			1	
	RTMBR41	AX		1.290	-120.425250	39.123340	41	18" CMP	Culvert on left: In good condition. No blockage/water/ponding. Rip rap is present and the culvert is ~1/2 exposed.			1	
			N/A	1.309	-120.425516	39.123082	99	End Termini	End of FM Reservoir North Shore Access Road.	1			
Parking NE Lot Access Loop Road	MBR24	CD	E	0.000	-120.424743	39.123929	0 0	Begin Termini	Begin Parking NE Lot Loop Road	1 - 2			
							14	Paved	Pavement in good/fair condition.	1 - 2			
							22	Single Lane	Width: ~12'.				
	MBR23	CB		0.012	-120.424628	39.123824	95	Remark	Entry and exit point of the loop.				
	MBR22	CA		0.022	-120.424723	39.123765	95-1	Road Damage	Bad subgrade failure. Pavement is ripped up/broken apart in a 2'x4' section.				
	MBR21	BZ	F	0.032	-120.424860	39.123794	99	End Termini	End Parking NE Lot Loop Road				
	MBR25	CE		N/A	-120.424553	39.123760	95	Remark	Corner of the upper boat ramp parking lot.				
	MBR26	CF		N/A	-120.423692	39.123852	95	Remark	Corner of the upper boat ramp parking lot.				
MBR27	CG		N/A	-120.423723	39.124027	95	Remark	Corner of the upper boat ramp parking lot.					
MBR28	CH		N/A	-120.424472	39.123956	95	Remark	Corner of the upper boat ramp parking lot.					
Parking SE Lot Access Road	MBR15	BT	G	0.000	-120.425111	39.123470	0 0	Begin Termini	Entry road into the lower parking area closest to the boat ramp.				
							14	Paved	In good condition.	1			
							22	Single Lane	Width: ~12'.				
	MBR16	BU		0.014	-120.424920	39.123419	99	End Termini	End of the entry road into the lower parking area closest to the boat ramp.	1			
	MBR17	BV		N/A	-120.424832	39.123338	95	Remark	Corner of lower parking area closest to the boat ramp. Parking area made of aggregate and in good/fair condition.				
	MBR18	BW		N/A	-120.423474	39.123441	95	Remark	Corner of lower parking area closest to the boat ramp. Parking area made of aggregate and in good/fair condition.				
MBR19	BX		N/A	-120.423378	39.123693	95	Remark	Corner of lower parking area closest to the boat ramp. Parking area made of aggregate and in good/fair condition.					
MBR20	BY	H	N/A	-120.424796	39.123566	95	Remark	Corner of lower parking area closest to the boat ramp. Parking area made of aggregate and in good/fair condition.					
McGuire Boat Ramp	MBR1	BA	I	0.000	-120.425515	39.123082	0 0	Begin Termini	Beginning of the McGuire boat ramp.				
							13	Aggregate	Surface of boat ramp is concrete. Concrete is in good condition, although there are hair-line cracks throughout the ramp.	1			
							23	One and One Half Lane	Width: ~20'				
	MBR13	BR		0.000	-120.425723	39.123096	95	Remark	Corner of high water turnaround/unloading area at the start of the boat ramp.				
	MBR14	BS		0.000	-120.425545	39.123076	95	Remark	Corner of high water turnaround/unloading area at the start of the boat ramp.				
	MBR11	BP		0.008	-120.425584	39.122957	95	Remark	Corner of high water turnaround/unloading area at the start of the boat ramp.				
	MBR12	BQ		0.008	-120.425736	39.122978	95	Remark	Corner of high water turnaround/unloading area at the start of the boat ramp.				
	MBR7	BL		0.065	-120.425319	39.122254	95	Remark	Corner of mid-level turnaround area				
	MBR8	BM		0.065	-120.425291	39.122354	95	Remark	Corner of mid-level turnaround area				
	MBR9	BN		0.065	-120.425358	39.122361	95	Remark	Corner of mid-level turnaround area				
	MBR10	BO		0.065	-120.425381	39.122289	95	Remark	Corner of mid-level turnaround area				
	MBR5	BJ		0.092	-120.425699	39.121844	95	Remark	Corner of low water turnaround area.				
	MBR6	BK		0.092	-120.425552	39.121838	95	Remark	Corner of low water turnaround area.				
MBR3	BH		0.102	-120.425600	39.121673	95	Remark	Corner of low water turnaround area.					
MBR4	BI		0.102	-120.425739	39.121718	95	Remark	Corner of low water turnaround area.					
			J	0.151	-120.425758	39.120991	99	End Termini	End of the concrete boat ramp.				
McGuire Picnic Area and Beach													
McGuire Picnic Area and Beach Road	MPA02	CR	A	0.000	-120.420148	39.126111	0 0	Begin Termini	Begin road to McGuire picnic and beach area, off of McGuire boat ramp access road. Visibility: Fair ~100' in both directions.				
							14	Paved	Road condition is fair, although the pavement was laid poorly.	2			
							22	Single Lane	Width: ~12'.				
	MPA03	CS		0.016	-120.419997	39.125956	71	Steel Gate	Gate is open and in good condition.		1		MPA03
	MPA04	CT		0.036	-120.419793	39.125721	95-1	Road Damage	Pavement is uneven and cracked throughout. Divot in road ~6" deep x 1' wide.				
	MPA05	CU		0.054	-120.419670	39.125457	71	Steel Gate	Road closure to the left. The road is no longer used, but the gate is in good condition.		1		MPA04
	MPA06	CV		0.060	-120.419768	39.125394	95	Remark	Underground utility marked "Tanker Fill" ~3' off the left side of the road.				
	MPA07	CW		0.077	-120.419965	39.125193	52	Start Ditch, Right	Ditch is shallow (~2-5") and wide (~2'). Water could easily overtop the roadway.				
	MPA09	CY		0.099	-120.420246	39.124959	41	18" CMP	Culvert on left: In poor condition. ~95% buried. Very little water could flow through the pipe. No rip-rap present and no water or ponding.			3	
							95	Remark	Between MPA08 and MPA09, and underground utility runs perpendicular to the roadway.				
	MPA08	CX		0.101	-120.420287	39.124961	54	End Ditch, Right					
							41	18" CMP	Culvert on right: In good condition. Little debris inside (~2"). No blockage/water/ponding.			1	
						52	Start Ditch, Right	In good condition.					
MPA10	DA		0.139	-120.420750	39.124531	95-1	Road Damage	2 large potholes (3.5' x 2.5' and 4' x 3'), present ~7 feet in front of and behind this point, on the left side of the road.					
MPA11	DB	B	0.161	-120.421005	39.124288	99	End Termini	End of road to McGuire beach and picnic area.					
MPA12	DC		0.165	-120.421111	39.124280	41	18" CMP	Culvert on right: In good condition. ~3" of vegetation and debris present at the mouth of the culvert.			1		

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					longitude	latitude													
McGuire Picnic Area and Beach Road	MPA14	DE		0.168	-120.421205	39.124279	74	Log and Earth Barrier	Log road closure off the right side of the parking lot.		1		MPA14						
	MPA13	DD		0.169	-120.421179	39.124239	41	18" CMP	Culvert on left: In good condition. Partially blocked by woody debris but water should still be able to flow. No water/ponding. No rip-rap present.			1							
							95	Remark	Corner of the picnic and beach parking area. Parking area surface is aggregate and in good condition.										
	MPA15	DF		0.168	-120.420979	39.124140	95	Remark	Corner of the picnic and beach parking area.										
	MPA16	DG		0.211	-120.421443	39.123636	95	Remark	Corner of the picnic and beach parking area.										
	MPA17	DH		0.222	-120.421700	39.123585	95	Remark	Corner of the picnic and beach parking area.										
							52	Start Ditch, Right	Ditch in good condition.										
McGuire Beach							71	Steel Gate	Gate is in good condition and acts as a road closure to an old roadway.		1		MPA17						
	MPA18	DI		0.000	-120.420926	39.124193	0 0	Begin Termini	Begin trail to the McGuire beach. Trail is located off of the parking lot.										
							12	Native	In good condition and well marked.	1									
							21	Less Than Single Lane	Width: ~8'										
	MPA19	DN		0.089	-120.419436	39.124094	99	End Termini	Trail ends at the McGuire beach.	1									
	MPA20	DO		N/A	-120.419340	39.124097	95	Remark	Corner of the McGuire beach area.										
	MPA21	DP		N/A	-120.419389	39.124031	95	Remark	Corner of the McGuire beach area.										
	MPA22	DQ		N/A	-120.418912	39.123574	95	Remark	Corner of the McGuire beach area.										
MPA23	DR		N/A	-120.418797	39.123671	95	Remark	Corner of the McGuire beach area.											
Long Canyon Area																			
Middle Meadows Group Campground																			
Middle Meadows Group Campground Road	MMC01	A	A	0.000	-120.468503	39.053773	0 0	Begin Termini	Middle Meadows Campground Road entrance (14N28) off of FR 26.										
							14	Paved	Asphalt condition very poor at the entrance. Road conditions are fair.	2 - 3									
							24	Double Lane	Width: ~24' Visibility: Good in both directions (300'-700').										
							95-1	Road Damage	Potholes are abundant. Asphalt has worn away to dirt. Alligator cracking is present throughout the remaining pavement.				MMC01						
	MMC02	B		0.027	-120.467993	39.053713	51	Start Ditch, Left	Ditch is fully of woody debris and shallow. Water could easily overtop the roadway.										
							71	Steel Gate	Gate in good/fair condition. Slightly rusted and open.	1 - 2			MMC02						
							95-1	Road Damage	Alligator cracking throughout indicating subgrade failure. ~10' ahead of this point there are numerous potholes (~1' x 2' x 6" deep).										
	MMC03	C		0.063	-120.467386	39.053555	95-1	Road Damage	2 large potholes (~2'-3' ahead of this point) ~5'x2'x2-3" deep.										
	MMC04	E		0.085	-120.467042	39.053364	53	End Ditch, Left											
							95-2	Stream Crossing	Begin low water crossing. Water is flowing over roadway from the creek.										
	MMC05	F		0.098	-120.466871	39.053226	95-2	Stream Crossing	End of low water crossing.										
							95-1	Road Damage	Pothole on the right (~2'x2'x1-2" deep)										
	MMC06	G		0.113	-120.466810	39.053080	53	End Ditch, Left											
							95-1	Road Damage	2 large potholes on the right and left of the road. One is ~4' long x 3' wide x ~1-2" deep. The second is ~6' long x 4' wide x 1-2" deep.										
	MMC07	H		0.113	-120.466780	39.053061	44	36" CMP	Culvert on left: In good condition. Slightly rusted. ~2-3" of blockage. Channel is clear. No water/ponding.				1						
	MMC08	I		0.113	-120.466840	39.053094	44	36" CMP	Culvert on right: In good condition. ~30% blocked with sediment/debris, but water can still easily flow. No water/ponding. No rip-rap present. Channel has lots of woody debris in it.				1						
	MMC09	J		0.122	-120.466879	39.052953	95-1	Road Damage	Potholes along the entire left side of the road.										
	MMC20	Z		0.147	-120.467230	39.052701	95	Remark	Corner of Middle Meadows Unit#1 parking area. In good/fair condition.										
	MMC21	AA		0.147	-120.467178	39.052673	95	Remark	Corner of Middle Meadows Unit#1 parking area. In good/fair condition.										
	MMC18	X		0.165	-120.467427	39.052447	95	Remark	Corner of Middle Meadows Unit#1 parking area. In good/fair condition.										
MMC19	Y		0.165	-120.467480	39.052512	95	Remark	Corner of Middle Meadows Unit#1 parking area. In good/fair condition.											
MMC10	L		0.185	-120.467560	39.052221	20	Width Change	Road width changes from double lane to single lane.											
						22	Single Lane	Width: ~12'.											
						95-1	Road Damage	Road is in poor condition. There is hardly any pavement left.	3			MMC10							
MMC11	O		0.211	-120.467490	39.051819	83	Turnout, Left	Turnout looks like it was once paved, but now the pavement is broken up and the surface looks native.											
MMC12	Q		0.257	-120.467903	39.051228	95-1	Road Damage	2 large potholes on the left of the road (~2' x 2' x ~1" deep).											
MMC17	W		0.281	-120.468344	39.051081	95	Remark	Corner of Middle Meadows Unit #2 parking area. Parking area is paved and in fair condition. Large pothole in the center of the parking area (5' x 2' x 1" deep).											
MMC16	V		0.293	-120.468498	39.051040	95	Remark	Corner of Middle Meadows Unit #2 parking area. Parking area is paved and in fair condition. Large pothole in the center of the parking area (5' x 2' x 1" deep).											
MMC15	U	B	0.293	-120.468440	39.050811	51	Start Ditch, Left	Ditch in good condition, narrow and deep (~1') and fairly clear.											
						99	End Termini	A service road to Middle Meadows campground ends at the back parking area.	2 - 3										
Ralston Afterbay Area																			
Ralston Picnic Area and Cartop Boat Ramp																			
Ralston Picnic Area and Cartop Boat Ramp Road		DN	A	0.000	-120.732650	39.005046	0 0	Begin Termini	Begin Ralston Picnic Area and Cartop Boat Ramp Road										
							19	Chip Seal	Good Condition	1									
							24	Double Lane	Width: ~20' Visibility: Good to southwest (400'), but fair to east due to bridge.										
							84	Turnout, Right	30' x 10'										
									B	0.047	-120.732001	39.005513	99	End Termini	End road at parking area.				
										0.047	-120.732024	39.005538	95	Remark	Corner of parking area				
		DW		0.047	-120.731961	39.005480	95	Remark	Corner of parking area										

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					longitude	latitude							
Ralston Picnic Area and Cartop Boat Ramp Road		DT		0.061	-120.731768	39.005603	95	Remark	Corner of parking area				
		DU		0.061	-120.731853	39.005673	95	Remark	Corner of parking area				
Ralston Afterbay Cartop Boat Ramp		DX	C	0.000	-120.732047	39.005434	0 0	Begin Termini	Begin Cartop Boat Ramp				
							13	Aggregate		2 - 3			
		DZ		0.018	-120.732083	39.005182	76	Rock	Rock impedes access at lower reservoir levels. Ramp narrows just after this point to 6-8'				
			D	0.024	-120.732108	39.005092	99	End Termini					
Auburn State Recreation Area (ASRA)													
DFR01	A	A	0.000	-120.000000	38.000000	0 0	Begin Termini	Road begins at its intersection with Foresthill road.					DFR01
						14	Paved	Road in good condition.	1				
DFR02	C		0.087	-120.953804	38.971189	24	Double Lane	Width ~24'. Visibility: Fair both ways ~150'.					
						41	18" CMP	Culvert off left of road runs parallel to the road. In good condition.				1	
DFR03	E		0.144	-120.953212	38.970566	10	Surface Change	Road surface changes from pavement to aggregate.					
						13	Aggregate	End pavement, begin aggregate. Aggregate in good condition.					
						20	Width Change	Road width changes from double lane to one and one half lane.					
						23	One and One Half Lane	Width ~20'.					
DFR04	G		0.270	-120.952701	38.968852	54	End Ditch, Right	Ditch is shallow (less than 1/2' deep) and water will easily flow across the road.					
						41	18" CMP	Culvert on right: In good condition. No blockage/ponding/water. Wings on either side of the pipe to concentrate flow, (in good condition).				1	
DFR05	I		0.312	-120.952635	38.968240	41	18" CMP	Culvert on left: In good condition. Slight blockage (~10% sediment on the bottom). No water or ponding.					1
						84	Turnout Right	In good condition. 10'x20'.					
DFR06	J		0.315	-120.952596	38.968215	52	Start Ditch, Right	Ditch has lots of vegetation in the channel. In fair condition. 1.5' wide x 1' deep.					
						54	End Ditch, Right						
DFR07	K		0.392	-120.952365	38.967106	52	Start Ditch, Right	Ditch shallow (~1/2' or less) and full of vegetation.					
						42	24" CMP	Culvert on right: In good condition. Wings are present on the sides of the culvert. No blockage/ponding/water.				1	
						42	24" CMP	Culvert on left: In good condition. Wings are present on the sides of the culvert. No blockage/ponding/water. No rip-rap present.				1	
						42	24" CMP	Culvert on left: In good condition. No rip-rap present. No blockage/ponding/water. Culvert is slightly rusted. Wings are present on each side of the culvert.				1	
DFR08	L		0.413	-120.952269	38.966827	42	24" CMP	Culvert on right: In good condition. Slightly rusted. No water/blockage/ponding. Wings are present on each side of the culvert.					1
						42	24" CMP	Culvert on right: In good condition. Slightly rusted. No water/blockage/ponding. Wings are present on each side of the culvert.				1	
DFR09	M		0.422	-120.952059	38.966792	95	Corner of Parking Area	Corner of parking area before entering the gate. Parking area in good condition.					
DFR10	N		0.422	-120.952020	38.966994	95	Corner of Parking Area	Corner of parking area before entering the gate. Parking area in good condition.					
DFR11	O		0.436	-120.951769	38.966820	95	Corner of Parking Area	Corner of parking area before entering the gate. Parking area in good condition.					
DFR12	P		0.440	-120.951781	38.966666	95	Corner of Parking Area	Corner of parking area before entering the gate. Parking area in good condition. Rock closure of old road adjacent to the parking area.					
				-120.951415	38.966217	95-1	Road Damage	Small rills abundant.					
DFR16	T		0.475	-120.951415	38.966217	10	Surface Change	Road surface changes from aggregate to native.					
						12	Native	End aggregate, begin native.					
						71	Steel Gate	Gate past parking area that leads down Drivers Flat Road. Gate in good condition.				1	DFR16
DFR17	U		0.500	-120.951100	38.965960	51	Start Ditch, Left	Ditch in good condition. ~1' deep x 1' wide.					
						20	Width Change	Width changes from one and one half lane to single lane.					
DFR18	V		0.534	-120.950497	38.965785	22	Single Lane	Width ~12'.					
						95-1	Road Damage	Road in good condition, but small rills are present on the left side of the road.					
DFR19	W		0.542	-120.950459	38.965667	84	Turnout Right	10'x100' long. In good condition, dirt.					
DFR18	AA		0.753	-120.949650	38.962744	95-1	Road Damage	Rills in center of the road. 1/2' wide x 3' deep. Rills run to the left of the road for ~20'.					
DFR19	AB		0.805	-120.949610	38.961991	95-1	Road Damage	Rill in center of the road. ~1' wide x 2" deep and runs for ~5-10'.					
DFR20	AG		0.968	-120.947821	38.960279	84	Turnout Right	10' x 20' long, in good condition.					
DFR21	AI		1.007	-120.947132	38.960401	95-1	Road Damage	Road becomes slightly worse. Road becomes rocky and full of small rills.					
						84	Turnout Right	30' x 70'. In fair condition. Lots of rills and slightly rocky.					
DFR22	AM		1.152	-120.945039	38.959135	76	Rock	Rock closure to the right of the turnout. Closure leads to an extra parking area that's been closed off. Rocks are in good condition.					DFR22
						95-1	Road Damage	Small rills abundant.				1	
DFR23	AN		1.152	-120.945018	38.959276	95-1	Road Damage	Small rills abundant.					
DFR24	AP		1.198	-120.944899	38.959884	53	End Ditch, Left	Ditch just ends. Water will run over the road.					
DFR25	AQ		1.229	-120.944857	38.960291	95-1	Road Damage	Rills and potholes abundant.					
DFR26	AR		1.261	-120.944459	38.960637	95-1	Road Damage	Rills in the center and left side of the road.					
DFR27	AU		1.356	-120.944183	38.961905	42	24" CMP	Culvert on right: In good condition, but rusted. 2-3' off the ground. No water/blockage/ponding. No rip-rap present.					1
						42	24" CMP	Culvert on left: In fair condition. Lots of debris at the mouth. Slightly smashed and rusted. ~1/4 of the way filled with sediment. No water and no ponding.				2	
DFR28	AW		1.445	-120.944910	38.963086	20	Width Change	Road narrows from 20' to 15' wide.					
DFR29	AX		1.472	-120.944543	38.963380	95-1	Road Damage	Potholes and rills abundant.					
DFR30	BA		1.654	-120.943220	38.965108	95-1	Road Damage	Potholes and rills abundant.					
DFR31	BC		1.693	-120.943662	38.965546	41	18" CMP	Culvert on right: In fair condition. No rip-rap present. Slightly smashed and rusted. No water or ponding.					2

Table REC 1-12. Recreation Access Roads and Recreation Water Supply Facility Access Trails Survey Data.

Name	Point ID Number	RD ID	ID Pt.*	Road Mile	GPS Coordinates (NAD83 DD)		Road Log Data Collection Feature Codes	Description	Supplemental Information	Road Condition	Gate Condition	Culvert Condition	Photo Number	
					longitude	latitude								
	DFR31	BC		1.693	-120.943662	38.965546	41	18" CMP	Culvert on left: In fair condition. Appears to be conveying a creek. Slightly smashed and ~ 20% blocked with sediment. No water or ponding.			2		
	DFR32	BE		1.765	-120.942920	38.966343	51	Road Damage	Big rills (~2' wide x 1" deep) running on the left and center of the road.					
	DFR33	BF		1.787	-120.942885	38.966681	51	Start Ditch, Left	Ditch is shallow (less than 1/2' deep x 1' wide). Water could easily over-top the road.					
	DFR34	BG		1.798	-120.942698	38.966722	95-1	Road Damage	Bill rills on the right of the road ~ 2-3' wide x 3' deep.					
							53	End Ditch, Left	Ditch runs into two culverts.					
							42	24" CMP	Culvert on right: In good condition. Rip-rap is present. No water or ponding.				1	
							45	>36" CMP	48" culvert on right: In good condition. Rip-rap present. No water/ponding/blockage.				1	
							42	24" CMP	Culvert on left: Conveys a creek. Slight blockage but no ponding or water present.				1	
							45	>36" CMP	48" culvert on left: In good condition. No blockage and no water/ponding. Slightly rusted.				1	
	51	Start Ditch, Left	Ditch is in fair condition. Deep (~1/2-1' deep x 1.5' wide)											
DFR35	BJ		1.908	-120.941409	38.965667	95-1	Road Damage	Small rills and potholes are abundant.						
DFR36	BL		1.952	-120.940598	38.965547	53	End Ditch, Left							
						42	24" CMP	Culvert on right: In good condition. Rip-rap is present. No blockage/water/ponding.				1		
						42	24" CMP	Culvert on left: In good condition. Rip-rap in channel leading to culvert is present. No blockage/water/ponding.				1		
DFR37	BN		2.050	-120.938958	38.965025	51	Start Ditch, Left	Ditch is in fair condition. Shallow (less than 1/2' deep x 1' wide)						
						53	End Ditch, Left					1		
						41	18" CMP	Culvert on right: In good condition. Slightly blocked (~5%). Little rip-rap present.						
DFR38	BR		2.158	-120.937241	38.964928	95-1	Road Damage	Culvert on left: In poor condition. More than 1/2 smashed down and ~30% blocked by debris. Little water can flow through.				3		
						51	Start Ditch, Left	Ditch so shallow, it's almost not there. (~1" deep)						
DFR39	BT		2.226	-120.936081	38.965205	83	Turnout, Left	Road becomes rocky and rills and potholes are abundant.						
DFR40	BV		2.236	-120.935855	38.965137	84	Turnout, Right	20' long x 10' wide. In fair condition. Very rocky and rip-rap is covering most of the turnout.						
DFR41	BY		2.319	-120.934483	38.964684	84	Turnout, Right	20' long x 10' wide. In good condition. Appears to be recently graded.						
DFR44	CC		2.431	-120.932693	38.964011	95-2	Stream Crossing	30' long x 5' wide. In good condition.						
						95-1	Road Damage	A low water crossing before entering the campground area off of Drivers Flat Road. In good condition. Slight alligator cracking throughout. No water flow over the crossing. Small clay culverts (~6" in diameter) are built into the low water crossing to conduct flow. They are in good/fair condition and appear to be able to convey water, although some are eroding slightly.						
DFR46	CF		2.466	-120.932553	38.963550	95	Remark	Road abundant with small rills and potholes.						
DFR47	CG		2.466	-120.932497	38.963579	95	Remark	Corner of the parking area by the bathrooms, across from the boat ramp. In good condition.						
DFR48	CH		2.481	-120.932335	38.963473	95	Remark	Corner of the parking area by the bathrooms, across from the boat ramp. In good condition.						
DFR49	CI		2.481	-120.932420	38.963396	95	Remark	Corner of the parking area by the bathrooms, across from the boat ramp. In good condition.						
DFR50	CK		2.552	-120.931635	38.962642	95-1	Road Damage	Large pothole on the ride side of the road ~4' wide x 2" deep. Larger rocks in the road.						
DFR51	CL		2.576	-120.931224	38.962610	84	Turnout, Right	20' x 20'. Surface of turnout is aggregate and in good condition.						
						95-1	Road Damage	Pothole adjacent to the turnout on the right side of the road. ~ 10' x 5' wide, ~2-3" deep.						
DFR52	CN		2.596	-120.930880	38.962747	95	Remark	Corner of parking area by the single bathroom. Parking area surface is aggregate and in good condition.						
DFR53	CO		2.599	-120.930754	38.962872	95	Remark	Corner of parking area by the single bathroom. Parking area surface is aggregate and in good condition.						
DFR54	CP		2.608	-120.930625	38.962821	95	Remark	Corner of parking area by the single bathroom. Parking area surface is aggregate and in good condition.						
DFR55	CR		2.621	-120.930385	38.962706	95	Remark	Corner of parking area by the single bathroom. Parking area surface is aggregate and in good condition.						
DFR56	CU		2.664	-120.929601	38.962669	95-1	Road Damage	Small rills and potholes are abundant. Trail to access the river is to the right of this point.						
DFR57	CX		2.690	-120.929087	38.962719	83	Turnout, Left	20' x 10' wide. Turnout surface is dirt/native and is in good/fair condition.						
DFR58	CY		2.709	-120.928737	38.962732	95-1	Road Damage	Bed rock exposed and rocky.						
DFR59	CZ		2.770	-120.927623	38.962786	71	Steel Gate	Gate on the left side of the road. In good condition. Road to the left leads to Francisco's White Oak Flat.		1		DFR59		
DFR60	DB		2.810	-120.926912	38.962746	95-1	Road Damage	Larger rills cross the road. Water appears to cross the road.						
DFR61	DC		2.853	-120.926141	38.962575	95-1	Road Damage	Large rill on the left of the road, 1/2' deep x 2/5' wide x 10' long.						
DFR62	DF		2.969	-120.924140	38.961972	95-2	Stream Crossing	Center of low water crossing. No water flowing. Low water crossing is made of concrete.						
DFR63	DH		2.986	-120.923827	38.962016	83	Turnout, Left	50' x 20' wide. In fair condition.						
DFR64	DI		2.995	-120.923688	38.961970	95	Remark	River access to the right of this point.						
DFR65	DK		3.072	-120.922387	38.961465	95	Remark	Picnic Area to the left of this point.						
DFR66	DM		3.091	-120.922044	38.961406	83	Turnout, Left	50' x 20' wide. In fair condition. The turnout is on a slope.						
DFR67	DN		3.114	-120.921884	38.961063	71	Steel Gate	Gate in good condition.		1		DFR67		
						20	Width Change	Road width changes from single lane to less than single lane.						
DFR69	DQ		3.229	-120.920211	38.960032	21	Less Than Single Lane	Width ~10'						
						41	18" CMP	Culvert on left: In good condition. Slightly rusted and smashed. Little sediment on the bottom (~10%). No water or ponding.				1		
DFR70	DV		3.445	-120.917142	38.958279	41	18" CMP	Culvert on right: In good condition. ~2-4' above the ground. No blockage/water/ponding. Little rip-rap at the bottom.				1		
						41	18" CMP	Culvert on left: In poor condition. Culvert is falling apart. ~40% filled with sediment. Crumpled at the mouth. No water or ponding.				3		
DFR71	DY		3.694	-120.913573	38.956137	41	18" CMP							

Table REC 1-12. Recreation Access Roads and Recreation Water Supply Facility Access Trails Survey Data.

Name	Point ID Number	RD ID	ID Pt.*	Road Mile	GPS Coordinates (NAD83 DD)		Road Log Data Collection Feature Codes	Description	Supplemental Information	Road Condition	Gate Condition	Culvert Condition	Photo Number	
					longitude	latitude								
Drivers Flat Road	DFR71	DY		3.694	-120.913573	38.956137	41	18" CMP	Culvert on right: In good condition. Rip-rap present and 1-2' above the ground. No blockage/water/ponding.			1		
	DFR72	EB		3.784	-120.911978	38.956106	41	18" CMP	Culvert on left: Looks new. In good condition. No blockage/water/ponding.			1		
	DFR73	EJ		4.052	-120.907407	38.954937	83	Turnout, Left	10' wide x 25' long. In good condition.					
	DFR74	EK		4.056	-120.907349	38.954859	84	Turnout, Right	15' wide x 25' long. In good condition.					
	DFR75	EM		4.110	-120.906325	38.954778	95-1	Road Damage	Small rills abundant. It's evident that water runs over the road at this point.					
	DFR76	ER		4.243	-120.904168	38.954577	83	Turnout, Left	100' long x 50' wide. In good condition. Rill ~1.5' wide that runs through the center of the turnout and across the road.					
	DFR77	ES		4.249	-120.903981	38.954522	95	Remark	Picnic table the left hand turnout.					
	DFR78	ET		4.259	-120.903893	38.954354	84	Turnout, Right	10' x 10'. Western States Trail is to the left of this turnout.					
	DFR79	EV		4.302	-120.903163	38.954205	49	Water bar	~1' high x ~1.5' wide.					
	DFR80	EW		4.322	-120.902728	38.954048	99	End Termini	Road ends by trail down to the river takeout, upstream of the Ruck-A-Chucky rapid.	2 - 3				
	DFR81	EX		0.000	-120.902676	38.954015	0 0	Begin Termini	Begin trail to the rafters take out upstream of Ruck-A-Chucky rapid. Trail in good condition and sandy. Width of the trail is ~5'.	1				
DFR82	EZ		0.014	-120.902563	38.953854	99	End Termini	Trail ends at water. (When survey done, the water was very low).	1					
Recreation Water Supply Facility Trails														
Hell Hole Reservoir Area														
Big Meadows Campground Water Supply Facility Access Trail			G	0.000	-120.427485	39.075006	0 0	Begin Termini	Trail begins at rear of site #54. Width 2-3' with trail barely discernable.					
							12	Native		2 - 3				
					0.038	-120.428089	39.075168	21	Less Than Single Lane					
					0.055	-120.428388	39.075215	95-2	Stream Crossing	Trail crosses South Fork Long Canyon Creek				
			H	0.229	-120.430641	39.076187	21	Single Lane	Trail widens to 6-8' wide. In fair/poor condition with ruts and vegetation obstructing trail.					
							99	End Termini	Trail ends at water supply tank					
French Meadows Reservoir Area														
French Meadows Campground Water Supply Facility Access Trail	FMCWS01	DS	N/A	0.000	-120.430050	39.108439	0 0	Begin Termini	Water supply trail begins off to the right of FR96, after FR48. Visibility: Good to the left (~200-250'), and fair to the right (100-150').					
							12	Native	Road in fair condition.	2			FMCWS01	
							22	Single Lane	Width: ~12'. Trail looks more like a road than a trail.					
	FMCWS02	DT		0.020	-120.429684	39.108509	49	Water Bar	Gate in good/fair condition and rusted.		1 - 2		FMCWS02	
	FMCWS03	DU		0.039	-120.429360	39.108597	49	Water Bar	2' wide x 1.5' high, runs across the road.					
	FMCWS04	DV		0.083	-120.428539	39.108665	95-1	Road Damage	Tire rills from last point to here on both sides of the road ~3" deep. Road becomes slightly overgrown until next point.					
							49	Water Bar	1' high x 1.5' wide, runs across the road.					
							83	Turnout, Left	100'x50' wide in good/fair condition (slightly overgrown).					
	FMCWS05	DW		0.119	-120.427882	39.108577	95-1	Road Damage	Large rill (1.5' wide x 1-2" deep). Looks like a washout from the right bank down and across the road.					
	FMCWS06	DX		0.151	-120.427288	39.108560	49	Water Bar	~2' high x 1' wide.					
	FMCWS07	DY		0.169	-120.426958	39.108552	49	Water Bar	~ 1' high x 1' wide.					
	FMCWS08	DZ		0.202	-120.426361	39.108443	49	Water Bar	~1' high x 2' wide.					
	FMCWS09	EA		0.221	-120.426024	39.108373	95-1	Road Damage	Potholes and big bumps between last point and this point on the right side of the road.					
FMCWS10	EB	N/A	0.238	-120.425710	39.108333	49	Water Bar	~1' high x 2' wide.						
						95-1	Road Damage	Rill ~15' behind this point. ~2' wide and runs across the road.						
						99	End Termini	Trail/Road ends at the water supply tank.	2					
Long Canyon Area														
Middle Meadows Group Campground Water Supply Facility Access Trail	MMGCWS01	EC	N/A	0.000	-120.467232	39.052600	0 0	Begin Termini	Trail begins across from the first parking area in Middle Meadows campground.					
							12	Native	Trail is in fair condition (not drivable).	2				
							21	Less Than Single Lane	Width: ~10' wide.					
	MMGCWS02	EG		0.070	-120.466163	39.052173	49	Water Bar	~2' high x 3' wide.					
	MMGCWS03	EJ		0.198	-120.463883	39.052323	95	Remark	Trail seems to disappear in field. There is a buried pipe around halfway buried under the ground.	3				
			N/A	0.397	-120.460322	39.052717	99	End Termini	Trail ends at water supply tank.					

95 - Remark
 95-1 - Road damage
 95-2 - Stream crossing
 95-3 - Overhead powerline/telephone line

FIGURES

Figure REC 1-1. REC 1 – Recreation Use and Facilities Study Objectives and Related Study Elements.

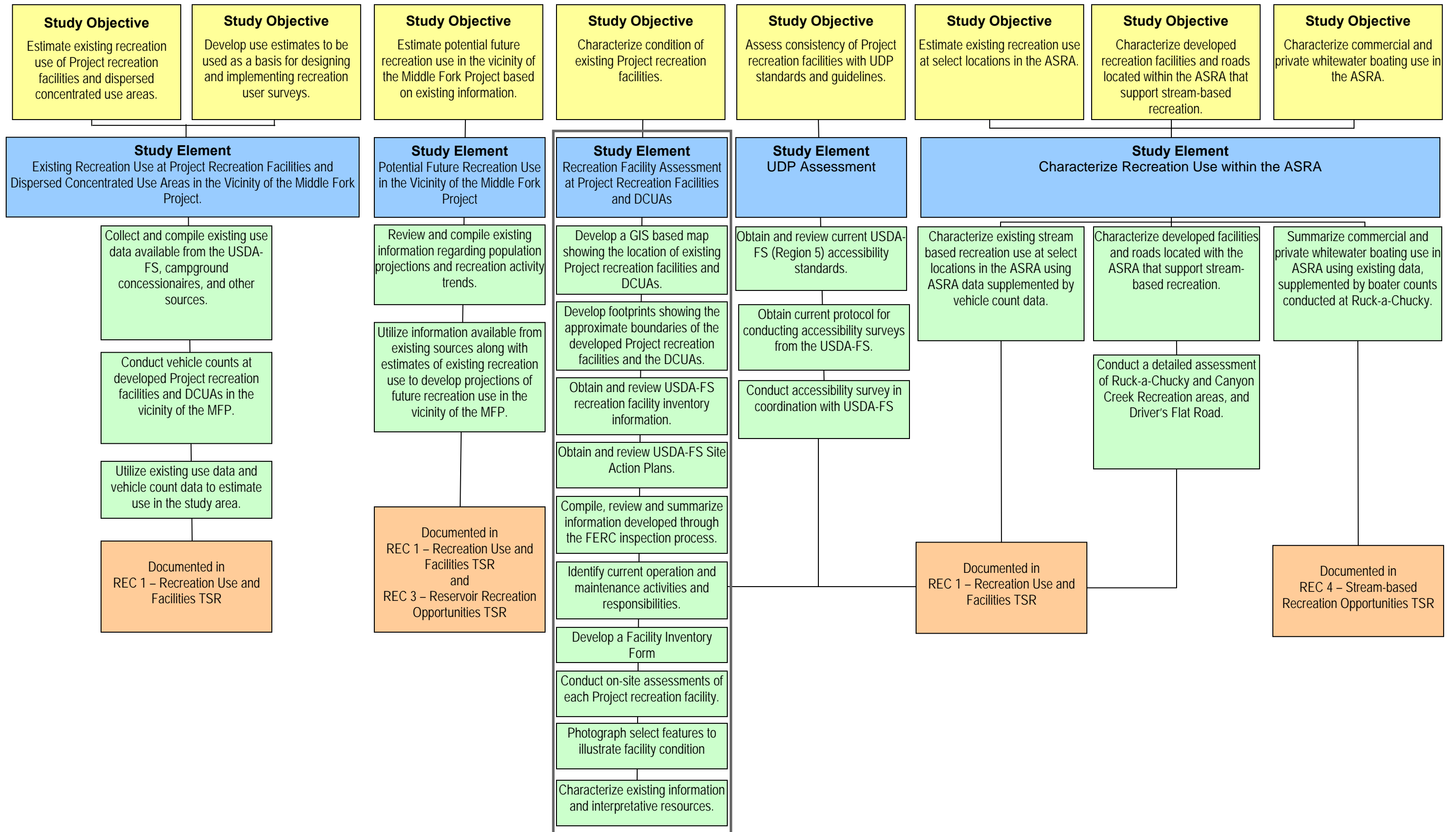


Figure REC 1-2. Vehicle Count Schedule - Summer (May 26 - Sep 3, 2007).

May						
S	S	M	T	W	T	F
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	




June						
S	S	M	T	W	T	F
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

July						
S	S	M	T	W	T	F
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

August						
S	S	M	T	W	T	F
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

September						
S	S	M	T	W	T	F
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

Explanation:

-  = AM/PM Vehicle Counting Block
-  = PM/Evening Vehicle Counting Block
-  = Holiday

Holiday Dates

- May 28, Memorial Day
- July 4, Independence Day
- September 3, Labor Day

Vehicle Count Schedule Summary

Period Blocks	Weekend Days	Weekdays	Holidays
AM	8	9	2
PM	16	16	2
Evening	8	7	0

Figure REC 1-3 Vehicle Count Schedule - Fall (Sep 4 - Nov 30, 2007).

September						
S	S	M	T	W	T	F
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

October						
S	S	M	T	W	T	F
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

November						
S	S	M	T	W	T	F
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Explanation:

- = AM Vehicle Counting Block
- = PM Vehicle Counting Block

Vehicle Count Schedule Summary

Period Blocks	Weekends	Weekdays
AM	8	9
PM	8	8

Figure REC 1-4. Vehicle Count Schedule - Winter/Spring (Dec 1 2007 - May 23, 2008).

December						
S	S	M	T	W	T	F
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

January						
S	S	M	T	W	T	F
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

February						
S	S	M	T	W	T	F
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

March						
S	S	M	T	W	T	F
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

April						
S	S	M	T	W	T	F
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

May						
S	S	M	T	W	T	F
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

Vehicle Count Schedule Summary

Period Blocks	Weekends	Weekdays
AM	9	8
PM	5	7

Explanation:



-  = AM Vehicle Counting Block
-  = PM Vehicle Counting Block

Figure REC 1-5. Whitewater Boating Count Schedule - 2007.

May						
S	S	M	T	W	T	F
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	


June						
S	S	M	T	W	T	F
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

July						
S	S	M	T	W	T	F
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

August						
S	S	M	T	W	T	F
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

September						
S	S	M	T	W	T	F
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

Explanation:

 = Whitewater Boating Counting Dates

 = Holiday

Holiday Dates

May 28 - Memorial Day

July 4 - Independence Day

September 3 - Labor Day

MAPS

Appendix A
Vehicle Count Form

Vehicle Count Form

Recorder: _____ Date: _____ Weather: _____

Lower Route: Ralston Area and Auburn State Recreation Area

				# of Vehicles by Type						# of Trailers and/or Racks by Type					Notes/Comments	
Parking Area (PA) ID	Description	Time	Tim Arrived at Site	Car, SUV, or Truck	Camper or RV	Motorcycle	Agency	PCWA	Outfitter	Car-top Racks	Camper Trailers	Horse Trailers	Boat	Jet Ski	Motorcycle or OHV	I.E. 1. other nearby vehicle 2. Indicate presence of boats, kayaks, motorcycles, etc.
L-1a	Indian Bar Rafting Access and General Parking	AM														
		PM														
		EVE														
L-1b	Turn-out at Road Leading to Ralston Dam	AM														
		PM														
		EVE														
L-2	Ralston Picnic Area	AM														
		PM														
		EVE														
L-3	Ralston Picnic Area Cartop Boat Ramp	AM														
		PM														
		EVE														
L-4	Ralston Powerhouse Parking Turn-out	AM														
		PM														
		EVE														

Vehicle Count Form

Recorder: _____ Date: _____ Weather: _____

Lower Route: Ralston Area and Auburn State Recreation Area

				# of Vehicles by Type						# of Trailers and/or Racks by Type					Notes/Comments		
Parking Area (PA) ID	Description	Time	Tim Arrived at Site	Car, SUV, or Truck	Camper or RV	Motorcycle	Agency	PCWA	Outfitter	Car-top Racks	Camper Trailers	Horse Trailers	Boat	Jet Ski	Motorcycle or OHV	I.E. 1. other nearby vehicle 2. Indicate presence of boats, kayaks, motorcycles, etc.	
L-5	Ralston Afterbay Sediment Disposal Area	AM															
		PM															
		EVE															
L-6	Cherokee Bar Overlook (from Drivers Flat Rd.)	AM															
		PM															
		EVE															
L-7a	Ruck-a-Chucky Day-use Boater Access (Drivers Flat, Greenwood Bridge)	AM															
		PM															
		EVE															
L-7b		AM															
		PM															
		EVE															
L-7c		AM															
		PM															
		EVE															

Vehicle Count Form

Recorder: _____ Date: _____ Weather: _____

Lower Route: Ralston Area and Auburn State Recreation Area

				# of Vehicles by Type						# of Trailers and/or Racks by Type					Notes/Comments		
Parking Area (PA) ID	Description	Time	Tim Arrived at Site	Car, SUV, or Truck	Camper or RV	Motorcycle	Agency	PCWA	Outfitter	Car-top Racks	Camper Trailers	Horse Trailers	Boat	Jet Ski	Motorcycle or OHV	I.E. 1. other nearby vehicle 2. Indicate presence of boats, kayaks, motorcycles, etc.	
L-8	Dispersed Day-use at gate upstream of Ruck-a-Chucky Day-use Boater Access	AM															
		PM															
		EVE															
L-9a	Mammoth Bar at east end of Bar (at Take-out)	AM															
		PM															
		EVE															
L-9b	Mammoth Bar Parking Area	AM															
		PM															
		EVE															
L-9c	Murderers Bar Turn-out	AM															
		PM															
		EVE															
L-10a	Confluence Area	AM															
		PM															
		EVE															

Vehicle Count Form

Recorder: _____ Date: _____ Weather: _____

Lower Route: Ralston Area and Auburn State Recreation Area

				# of Vehicles by Type						# of Trailers and/or Racks by Type					Notes/Comments		
Parking Area (PA) ID	Description	Time	Tim Arrived at Site	Car, SUV, or Truck	Camper or RV	Motorcycle	Agency	PCWA	Outfitter	Car-top Racks	Camper Trailers	Horse Trailers	Boat	Jet Ski	Motorcycle or OHV		
L-10b	Turn-outs along Hwy 49 to up to 0.52 miles above Confluence (15 mph corner sign)	AM															I.E. 1. other nearby vehicle 2. Indicate presence of boats, kayaks, motorcycles, etc.
		PM															
		EVE															
L-11	Quarry Trail Parking Area	AM															
		PM															
		EVE															
		AM															
		PM															
		EVE															
		AM															
		PM															
		EVE															
		AM															
		PM															
		EVE															

Note - Mark location of previously unidentified sites on map.

Vehicle Count Form

Recorder: _____ Date: _____ Weather: _____

Upper Route: Duncan Creek, French Meadows Reservoir and Hell Hole Reservoir Areas

				# of Vehicles by Type						# of Trailers and/or Racks by Type					Notes/Comments	
Parking Area (PA) ID	Description	Time	Tim Arrived at Site	Car, SUV, or Truck	Camper or RV	Motorcycle	Agency	PCWA	Outfitter	Car-top Racks	Camper Trailers	Horse Trailers	Boat	Jet Ski	Motorcycle or OHV	I.E. 1. other nearby vehicle 2. Indicate presence of boats, kayaks, motorcycles, etc.
U-1	Area North of Duncan Creek Diversion	AM														
		PM														
		EVE														
U-2	Area near Duncan Creek Gage and Weir	AM														
		PM														
		EVE														
U-3	Area near new bridge crossing Duncan Canyon	AM														
		PM														
		EVE														
U-4a	Large Areas on Road 57 west of FM Res.	AM														
		PM														
		EVE														
U-4b		AM														
		PM														
		EVE														

Vehicle Count Form

Recorder: _____ Date: _____ Weather: _____

Upper Route: Duncan Creek, French Meadows Reservoir and Hell Hole Reservoir Areas

				# of Vehicles by Type						# of Trailers and/or Racks by Type						Notes/Comments	
Parking Area (PA) ID	Description	Time	Tim Arrived at Site	Car, SUV, or Truck	Camper or RV	Motorcycle	Agency	PCWA	Outfitter	Car-top Racks	Camper Trailers	Horse Trailers	Boat	Jet Ski	Motorcycle or OHV	I.E. 1. other nearby vehicle 2. Indicate presence of boats, kayaks, motorcycles, etc.	
U-5a	Area Located immediately west of French Meadows Reservoir	AM															
		PM															
		EVE															
U-5b	Turn-outs at French Meadows Reservoir Spillway	AM															
		PM															
		EVE															
U-6	Area immediately downstream of French Meadows Reservoir (Dam)	AM															
		PM															
		EVE															
U-7a	Turn-outs along FR 96 between French Meadows Dam and French Meadows – Hell Hole Tunnel Gatehouse	AM															
		PM															
		EVE															
U-7b	Area near French Meadows Hell Hole Tunnel Gatehouse	AM															
		PM															
		EVE															

Vehicle Count Form

Recorder: _____ Date: _____ Weather: _____

Upper Route: Duncan Creek, French Meadows Reservoir and Hell Hole Reservoir Areas

				# of Vehicles by Type						# of Trailers and/or Racks by Type					Notes/Comments	
Parking Area (PA) ID	Description	Time	Tim Arrived at Site	Car, SUV, or Truck	Camper or RV	Motorcycle	Agency	PCWA	Outfitter	Car-top Racks	Camper Trailers	Horse Trailers	Boat	Jet Ski	Motorcycle or OHV	I.E. 1. other nearby vehicle 2. Indicate presence of boats, kayaks, motorcycles, etc.
U-8a	French Meadows Picnic Area	AM														
		PM														
		EVE														
U-8b	French Meadows Boat Ramp	AM														
		PM														
		EVE														
U-9	Turn-outs along FR 96 between French Meadows – Hell Hole Tunnel Gatehouse and Middle Fork American River Road Crossing	AM														
		PM														
		EVE														
U-10a	Area near Bridge over Middle Fork American River	AM														
		PM														
		EVE														
U-10b	Turn-out located across from Lewis Campground	AM														
		PM														
		EVE														

Vehicle Count Form

Recorder: _____ Date: _____ Weather: _____

Upper Route: Duncan Creek, French Meadows Reservoir and Hell Hole Reservoir Areas

				# of Vehicles by Type						# of Trailers and/or Racks by Type					Notes/Comments		
Parking Area (PA) ID	Description	Time	Tim Arrived at Site	Car, SUV, or Truck	Camper or RV	Motorcycle	Agency	PCWA	Outfitter	Car-top Racks	Camper Trailers	Horse Trailers	Boat	Jet Ski	Motorcycle or OHV	I.E. 1. other nearby vehicle 2. Indicate presence of boats, kayaks, motorcycles, etc.	
U-11	McGuire Picnic Area and Beach	AM															
		PM															
		EVE															
U-12	McGuire Boat Ramp	AM															
		PM															
		EVE															
U-13	Vista/Trail-head to Poppy Campground	AM															
		PM															
		EVE															
U-14a	Area surrounding South Long Canyon Diversion Dam	AM															
		PM															
		EVE															

Vehicle Count Form

Recorder: _____ Date: _____ Weather: _____

Upper Route: Duncan Creek, French Meadows Reservoir and Hell Hole Reservoir Areas

				# of Vehicles by Type						# of Trailers and/or Racks by Type					Notes/Comments		
Parking Area (PA) ID	Description	Time	Tim Arrived at Site	Car, SUV, or Truck	Camper or RV	Motorcycle	Agency	PCWA	Outfitter	Car-top Racks	Camper Trailers	Horse Trailers	Boat	Jet Ski	Motorcycle or OHV	I.E. 1. other nearby vehicle 2. Indicate presence of boats, kayaks, motorcycles, etc.	
U-14b	Turn-out at Intersection of FR 2 and 14 N42 (to North Fork Long Canyon Diversion Dam)	AM															
		PM															
		EVE															
	Middle Meadow's Campground	AM															
		PM															
		EVE															
	Big Meadows' Campground	AM															
		PM															
		EVE															
U-15	Hell Hole Vista	AM															
		PM															
		EVE															
	Hell Hole Campground	AM															
		PM															
		EVE															

Vehicle Count Form

Recorder: _____ Date: _____ Weather: _____

Upper Route: Duncan Creek, French Meadows Reservoir and Hell Hole Reservoir Areas

				# of Vehicles by Type						# of Trailers and/or Racks by Type					Notes/Comments	
Parking Area (PA) ID	Description	Time	Tim Arrived at Site	Car, SUV, or Truck	Camper or RV	Motorcycle	Agency	PCWA	Outfitter	Car-top Racks	Camper Trailers	Horse Trailers	Boat	Jet Ski	Motorcycle or OHV	I.E. 1. other nearby vehicle 2. Indicate presence of boats, kayaks, motorcycles, etc.
U-16	Hell Hole General Parking Area	AM														
		PM														
		EVE														
U-17a	Hell Hole Boat Ramp Parking Area	AM														
		PM														
		EVE														
U-17b	Turn-out at Hairpin turn leading down to Hell Hole Boat Ramp	AM														
		PM														
		EVE														
U-18	Hell Hole Boat Ramp	AM														
		PM														
		EVE														
		AM														
		PM														
		EVE														

Vehicle Count Form

Recorder: _____ Date: _____ Weather: _____

Upper Route: Duncan Creek, French Meadows Reservoir and Hell Hole Reservoir Areas

				# of Vehicles by Type						# of Trailers and/or Racks by Type					Notes/Comments		
Parking Area (PA) ID	Description	Time	Tim Arrived at Site	Car, SUV, or Truck	Camper or RV	Motorcycle	Agency	PCWA	Outfitter	Car-top Racks	Camper Trailers	Horse Trailers	Boat	Jet Ski	Motorcycle or OHV	I.E. 1. other nearby vehicle 2. Indicate presence of boats, kayaks, motorcycles, etc.	
		AM															
		PM															
		EVE															
		AM															
		PM															
		EVE															
		AM															
		PM															
		EVE															

Note - Mark location of previously unidentified sites on map.

Appendix B
Vehicle Count Data by Area

Hell Hole Reservoir Area RVDs for 2007-2008

SINGLE FAMILY CAMPGROUNDS

Site ID	Site Description	Summer May 26 - September 3, 2007			Fall September 4 - November 30, 2007		Winter/Spring December 1, 2007 - May 23, 2008		Total
		Weekdays	Weekends	Holidays	Weekdays	Weekends	Weekdays	Weekends	
N/A	Big Meadows Campground	1521.4	1354.8	126.0	547.8	848.2	0.0	0.0	4398
N/A	Hell Hole Campground	288.9	237.4	18.0	133.1	173.0	0.0	26.5	877
N/A	Upper Hell Hole Campground ¹	104.0	102.4	17.8	10.1	22.2	0.0	22.5	279
Total		1914	1694	162	691	1043	0	49	5554

¹5% of respondents who were interviewed at Hell Hole General Parking Area, Hell Hole Boat Ramp Parking Areas, and Hell Hole Boat Ramp camped at Upper Hell Hole

DAY USE AREAS

Site ID	Site Description	Summer May 26 - September 3, 2007			Fall September 4 - November 30, 2007		Winter/Spring December 1, 2007 - May 23, 2008		Total
		Weekdays	Weekends	Holidays	Weekdays	Weekends	Weekdays	Weekends	
U15	Hell Hole Vista	26.3	19.7	2.2	0.0	0.0	0.0	0.0	48
U16	Hell Hole General Parking Area	301.1	296.4	29.2	37.2	32.7	0.0	26.5	723
U17 - a,b	Hell Hole Boat Ramp Parking Areas	642.6	653.4	132.8	46.7	118.9	0.0	172.0	1766
U18	Hell Hole Boat Ramp	96.1	73.8	15.7	17.3	70.3	0.0	26.5	300
Total		1066	1043	180	101	222	0	225	2837

French Meadows Reservoir Area RVDs for 2007-2008

SINGLE FAMILY CAMPGROUNDS

Site ID	Site Description	Summer May 26 - September 3, 2007			Fall September 4 - November 30, 2007		Winter/Spring December 1, 2007 - May 23, 2008		Total
		Weekdays	Weekends	Holidays	Weekdays	Weekends	Weekdays	Weekends	
U13	Vista/Trailhead to Poppy Campground	199.3	97.7	4.6	0.0	33.6	0.0	0.0	335
Total		199	98	5	0	34	0	0	335

DAY USE AREAS

Site ID	Site Description	Summer May 26 - September 3, 2007			Fall September 4 - November 30, 2007		Winter/Spring December 1, 2007 - May 23, 2008		Total
		Weekdays	Weekends	Holidays	Weekdays	Weekends	Weekdays	Weekends	
U8 - a,b	French Meadow Picnic Area and Boat Ramp	366.8	498.4	95.7	370.9	184.8	44.1	219.5	1780
U11	McGuire Picnic Area	45.7	81.3	18.6	0.0	11.1	0.0	0.0	157
U12	McGuire Boat Ramp	253.9	204.6	25.7	96.8	27.9	0.0	54.9	664
Total		666	784	140	468	224	44	274	2601

UNDEVELOPED AREAS

Site ID	Site Description	Summer May 26 - September 3, 2007			Fall September 4 - November 30, 2007		Winter/Spring December 1, 2007 - May 23, 2008		Total
		Weekdays	Weekends	Holidays	Weekdays	Weekends	Weekdays	Weekends	
U4 - a,b	Large Areas on Road 57 west of FM Reservoir	13.3	9.1	0.0	0.0	16.8	0.0	0.0	39
U5 - a,b	Area located immediately west of FM Reservoir (near spillway)	86.3	74.5	9.3	115.6	61.5	0.0	13.7	361
U6	Area located immediately downstream of FM Reservoir Dam (parking near gate)	4.4	18.0	7.0	38.5	11.4	44.1	0.0	123
U7 - a,b	Area near FM-HH Tunnel Gatehouse (includes turnouts along FR 96 from dam to east of gatehouse)	41.3	54.1	14.0	56.4	0.0	0.0	13.7	180
U9	Turnouts along FR 96 between FM Boat Ramp and bridge crossing MFAR	81.9	57.5	16.3	146.0	5.7	0.0	0.0	307
U10 - a,b	Area near Bridge over MFAR and turnouts along road across from Lewis CG	86.3	57.2	11.7	0.0	0.0	44.1	13.7	213
Total		314	270	58	357	95	88	41	1224

Duncan Creek Diversion Area RVDs for 2007-2008

DISPERSED CONCENTRATED USE OR UNDEVELOPED AREAS

Site ID	Site Description	Summer May 26 - September 3, 2007			Fall September 4 - November 30, 2007		Winter/Spring December 1, 2007 - May 23, 2008		Total
		Weekdays	Weekends	Holidays	Weekdays	Weekends	Weekdays	Weekends	
		U1	Area North of Duncan Creek Diversion	0.0	2.4	0.0	0.0	0.0	
U2	Area Near Duncan Creek Gage and Weir	0.0	1.3	1.7	16.0	0.0	0.0	0.0	19
U3	Area near new bridge crossing Duncan Creek	236.6	90.7	0.0	0.0	16.1	0.0	19.6	363
Total		237	94	2	16	16	0	20	384

Long Canyon Area RVDs for 2007-2008

GROUP CAMPGROUNDS

Site ID	Site Description	Summer May 26 - September 3, 2007			Fall September 4 - November 30, 2007		Winter/Spring December 1, 2007 - May 23, 2008		Total
		Weekdays	Weekends	Holidays	Weekdays	Weekends	Weekdays	Weekends	
N/A	Middle Meadows Campground	694.1	1155.6	159.4	0.0	15.8	0.0	0.0	2025
Total		694	1156	159	0	16	0	0	2025

UNDEVELOPED AREAS

Site ID	Site Description	Summer May 26 - September 3, 2007			Fall September 4 - November 30, 2007		Winter/Spring December 1, 2007 - May 23, 2008		Total
		Weekdays	Weekends	Holidays	Weekdays	Weekends	Weekdays	Weekends	
U14 a	Area surrounding South Fork Long Canyon Diversion Dam	40.4	34.2	0.0	0.0	0.0	0.0	0.0	75
U14 b	Turnouts along FR2 to NF Long Canyon Dam turnoff	0.0	13.2	0.0	0.0	6.7	0.0	16.2	36
Total		40	47	0	0	7	0	16	111

Ralston Afterbay Area RVDs for 2007-2008

DAY USE AREAS

Site ID	Site Description	Summer May 26 - September 3, 2007			Fall September 4 - November 30, 2007		Winter/Spring December 1, 2007 - May 23, 2008		Total
		Weekdays	Weekends	Holidays	Weekdays	Weekends	Weekdays	Weekends	
L1 - a,b	Indian Bar Rafting Access and General Parking	69.0	301.4	61.7	303.3	156.3	102.5	201.3	1195
L2	Ralston Picnic Area and Cartop Boat Ramp	132.6	114.3	32.2	53.7	36.0	30.7	204.7	604
Total		202	416	94	357	192	133	406	1800

UNDEVELOPED AREAS

Site ID	Site Description	Summer May 26 - September 3, 2007			Fall September 4 - November 30, 2007		Winter/Spring December 1, 2007 - May 23, 2008		Total
		Weekdays	Weekends	Holidays	Weekdays	Weekends	Weekdays	Weekends	
L4	Ralston Powerhouse Parking Turnout	132.6	75.3	29.3	663.9	147.0	450.4	37.6	1536
L5	Ralston Afterbay Sediment Disposal Area	6.2	23.7	6.4	0.0	36.0	61.4	0.0	134
L3	Ralston Afterbay Sediment Removal Access Point	126.4	169.3	32.5	38.7	89.4	122.9	207.1	786
Total		265	268	68	703	272	635	245	2456

ASRA Area RVDs for 2007-2008

DAY USE AREAS

Site ID	Site Description	Summer May 26 - September 3, 2007			Fall September 4 - November 30, 2007		Winter/Spring December 1, 2007 - May 23, 2008		Total
		Weekdays	Weekends	Holidays	Weekdays	Weekends	Weekdays	Weekends	
L6	Cherokee Bar Overlook (from Drivers Flat Rd.)	117.1	134.4	38.0	55.9	26.0	99.8	272.6	744
L7 - a,b,c	Ruck-a-Chucky Day-use Boater Access (Drivers Flat, Greenwood Bridge)	491.8	1056.2	205.9	119.2	337.4	389.0	664.9	3264
L8	Ruck-a-Chucky Day-use at gate upstream of Ruck-a-Chucky Day-use Boater Access	87.0	212.8	47.5	121.6	112.2	149.6	86.4	817
L9 c	Murderer's Bar	230.7	190.0	57.0	37.4	60.8	0.0	135.4	711
L9 b	Mammoth Bar OHV Parking	64.3	167.3	22.2	445.5	765.8	464.5	2500.5	4430
L9 a	Mammoth Bar Stream-side Parking	276.9	364.8	129.8	93.5	311.6	34.2	1743.5	2954
L10 - a,b	Confluence Area	13098.3	11873.5	3397.8	4455.4	4501.6	8468.8	13569.7	59365
L11	Quarry Road Trailhead	1427.2	1223.2	319.8	1220.9	1241.7	2024.1	3002.5	10459
Total		15793	15222	4218	6549	7357	11630	21975	82746

Appendix C

REC 2 – Recreation Visitor Survey Results, by Site

Table C-1. General Visitor Survey Results – Section A-1 – Background Section – Big Meadows Campground.

Q-1. Did you engage in any of the following activities during your visit?

Total # of Respondents	Activity	Frequency	Percent
94	Camping at a developed site	94	100.0
	Fishing	40	42.6
	Reservoir recreation	33	35.1
	Day use along a stream/river	6	6.4
	Day use or camping in undeveloped areas	2	2.1
	Day use at a developed site	0	-

Analytical Note: Multiple responses were accepted.

Q-2. What type of vehicle did you drive to this area?

Total # of Respondents	Type of Vehicle	Frequency	Percent
87	Car/SUV/Truck	79	90.8
	Camper/RV	7	8.0
	Motorcycle	0	-
	Multiple Vehicles	0	-
	Other	1	1.1

Q-3. How many people were in your vehicle?

Total # of Respondents	Average # of people	Standard Deviation	Range (min.-max.)	Total # of People	Frequency	Percent
90	2.7	1.6	1-13	1	11	12.2
				2	43	47.8
				3	14	15.6
				4 or more	22	24.4

Q-4. How many people in your group are in the following age categories?

Total # of Respondents	Total # of People in Group	Age Category	Percent
90	330	Under 18	16.1
		18 or over	83.9

Table C-1. General Visitor Survey Results – Section A-1 – Background Section – Big Meadows Campground (continued).

Q-5. How many and what types of vehicles and trailers did your **group** bring?

Total # of Respondents	Vehicle or Trailer	Frequency ¹	Percent ¹	Average # per group ²
87	Car/pickup/SUV	80	92.0	2.0
	Boat trailer	29	33.3	1.1
	Towed/Trailered Vehicle	10	11.5	1.3
	Motor home/RV	9	10.3	1.0
	Travel trailer	3	3.4	1.0
	OHV	2	2.3	1.0
	Motorcycle	1	1.1	2.0
	Utility trailer	1	1.1	1.0
	Horse trailer	0	-	-
	Other	0	-	-

¹Includes all responses.

²Includes only responses that provided the number of vehicles in their group.

Q-6. Your place of residence (zip code):

Total # of Respondents	County in California	Frequency	Percent
89	Placer	28	31.5
	El Dorado	19	21.3
	Sacramento	19	21.3
	Nevada	6	6.7
	Sonoma	4	4.5
	Alameda	2	2.2
	Contra Costa	2	2.2
	Yolo	2	2.2
	Mendocino	1	1.1
	Merced	1	1.1
	San Mateo	1	1.1
	Location outside of California	Frequency	Percent
	Washoe, NV	4	4.5

Analytical Note: Counties were determined using zip codes provided by the respondent.

Table C-1. General Visitor Survey Results – Section A-1 – Background Section – Big Meadows Campground (continued).

Q-7. What year were you born?

Total # of Respondents	Average Age (years)	Standard Deviation	Age Range (min.-max.)	Age Categories (years)	Frequency	Percent
84	45.5	13.8	17-82	24 or younger	6	7.1
				25-39	19	22.6
				40-64	53	63.1
				65 or older	6	7.1

Analytical Note: Ages were determined using birth years provided by the survey respondent.

Q-8. Which cultural or ethnic group do you most closely identify with?

Total # of Respondents	Cultural or Ethnic Group	Frequency	Percent
89	White/Caucasian	82	92.1
	Hispanic or Latino	3	3.4
	American Indian or Alaskan Native	1	1.1
	Black/African American	1	1.1
	Asian	0	-
	Native Hawaiian or Pacific Islander	0	-
	Other/Multi-racial	2	2.2

Q-9. What is your primary spoken language?

Total # of Respondents	Primary Language	Frequency	Percent
69	English	69	100.0

Table C-1. General Visitor Survey Results – Section A-1 – Background Section – Big Meadows Campground (continued).

Q-10. Identify the reasons why you chose this area to recreate?

Total # of Respondents	Primary Reason	Frequency	Percent
61	Lack of crowding	13	21.3
	Scenic quality of the area	13	21.3
	Recreational activities/opportunities in the area	10	16.4
	Access to lake/reservoir	9	14.8
	Close to home	6	9.8
	Access to river/stream	3	4.9
	Cost of facility access fee	1	1.6
	Presence of on-site manager/host	0	-
	Other	6	9.8

Analytical Note: Respondents were asked to indicate one primary reason for visiting the area. Thirty-three respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the 61 respondents who correctly answered the question.

Total # of Respondents	Secondary Reason	Frequency	Percent
62	Lack of crowding	29	46.8
	Scenic quality of the area	24	38.7
	Close to home	22	35.5
	Access to lake/reservoir	21	33.9
	Recreational activities/opportunities in the area	16	25.8
	Cost of facility access fee	15	24.2
	Access to river/stream	10	16.1
	Presence of on-site manager/host	0	-
	Other	3	4.8

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-1. General Visitor Survey Results – Section A-1 – Background Section – Big Meadows Campground (continued)..

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
Developed campsites	89	Very Important	32	36.0
		Important	32	36.0
		Somewhat Important	16	18.0
		Not Important	9	10.1
Developed picnic sites	82	Very Important	15	18.3
		Important	21	25.6
		Somewhat Important	26	31.7
		Not Important	20	24.4
Flush restrooms	86	Very Important	15	17.4
		Important	20	23.3
		Somewhat Important	26	30.2
		Not Important	25	29.1
Drinking water	88	Very Important	39	44.3
		Important	33	37.5
		Somewhat Important	12	13.6
		Not Important	4	4.5
RV dump station	82	Very Important	7	8.5
		Important	8	9.8
		Somewhat Important	19	23.2
		Not Important	48	58.5
Boat launch ramps	88	Very Important	45	51.1
		Important	15	17.0
		Somewhat Important	11	12.5
		Not Important	17	19.3
River put-in/take-out	82	Very Important	13	15.9
		Important	15	18.3
		Somewhat Important	19	23.2
		Not Important	35	42.7
Hiking trails	85	Very Important	25	29.4
		Important	28	32.9
		Somewhat Important	15	17.6
		Not Important	17	20.0

Table C-1. General Visitor Survey Results – Section A-1 – Background Section – Big Meadows Campground (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate (continued)?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
OHV Trails	81	Very Important	18	22.2
		Important	13	16.0
		Somewhat Important	12	14.8
		Not Important	38	46.9
Mountain bike trails	79	Very Important	8	10.1
		Important	14	17.7
		Somewhat Important	17	21.5
		Not Important	40	50.6
Fishing access trails	84	Very Important	22	26.2
		Important	26	31.0
		Somewhat Important	9	10.7
		Not Important	27	32.1
Equestrian trails	76	Very Important	4	5.3
		Important	8	10.5
		Somewhat Important	10	13.2
		Not Important	54	71.1
Interpretive/ educational exhibits/information	76	Very Important	8	10.5
		Important	10	13.2
		Somewhat Important	25	32.9
		Not Important	33	43.4
Other	0	Very Important	-	-
		Important	-	-
		Somewhat Important	-	-
		Not Important	-	-

Table C-1. General Visitor Survey Results – Section A-1 – Background Section – Big Meadows Campground (continued).

Q-12. Identify the activities you engaged in, or expect to engage in, during your trip to this area.

Total # of Respondents	Primary Activity	Frequency	Percent
52	Camping in developed sites	19	36.5
	Reservoir fishing	17	32.7
	Hiking/walking	3	5.8
	OHV travel/use	3	5.8
	Stream swimming/water-play/sun bathing	3	5.8
	Driving for pleasure on roads	1	1.9
	Hunting	1	1.9
	Non-motorized reservoir boating (canoeing, kayaking, row boating)	1	1.9
	Relaxing	1	1.9
	Reservoir swimming/water-play/sun bathing	1	1.9
	Whitewater boating (rafting, kayaking, canoeing)	1	1.9
	Other	1	1.9

Analytical Note: Respondents were asked to indicate one primary activity. A total of 42 respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the fifty-two respondents who correctly answered the question.

Table C-1. General Visitor Survey Results – Section A-1 – Background Section – Big Meadows Campground (continued).

Q-12. Identify the activities you engaged in, or expect to engage in, during your trip to this area (continued).

Total # of Respondents	Secondary Activity	Frequency	Percent
52	Relaxing	23	44.2
	Hiking/walking	18	34.6
	Camping in developed sites	17	32.7
	Viewing wildlife, scenery photography, etc.	16	30.8
	Reservoir fishing	15	28.8
	Reservoir swimming/water-play/sun bathing	11	21.2
	Picnicking in developed sites	10	19.2
	Picnicking in undeveloped sites	6	11.5
	Stream fishing	6	11.5
	Driving for pleasure on roads	4	7.7
	OHV travel/use	4	7.7
	Bicycling on paved surfaces	3	5.8
	Mountain biking	3	5.8
	Camping in undeveloped sites	2	3.8
	Visiting historical/cultural sites	2	3.8
	Whitewater boating (rafting, kayaking, canoeing)	2	3.8
	Non-motorized reservoir boating (canoeing, kayaking, row boating)	1	1.9
	Plant gathering (berries, mushrooms, grasses, etc.)	1	1.9
	Sailing	1	1.9
Sports/games/field activities	1	1.9	
Stream swimming/water-play/sun bathing	1	1.9	

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-1. General Visitor Survey Results – Section A-1 – Background Section – Big Meadows Campground (continued).

Q-13. Please rate the availability and adequacy of the following information resources.

Information Resources	Total # of Respondents	Possible Answers	Frequency	Percent
Interpretive/educational information	86	Acceptable	33	38.4
		Somewhat Acceptable	21	24.4
		Not Acceptable	9	10.5
		Not Applicable	23	26.7
Recreation visitor information	89	Acceptable	37	41.6
		Somewhat Acceptable	29	32.6
		Not Acceptable	10	11.2
		Not Applicable	13	14.6
Safety/warning information	87	Acceptable	48	55.2
		Somewhat Acceptable	25	28.7
		Not Acceptable	6	6.9
		Not Applicable	8	9.2
Reservoir water surface elevation information	84	Acceptable	38	45.2
		Somewhat Acceptable	24	28.6
		Not Acceptable	11	13.1
		Not Applicable	11	13.1
River/stream flow information	81	Acceptable	26	32.1
		Somewhat Acceptable	31	38.3
		Not Acceptable	9	11.1
		Not Applicable	15	18.5
Other	0	Acceptable	-	-
		Somewhat Acceptable	-	-
		Not Acceptable	-	-
		Not Applicable	-	-

Q-14. How would you rate your overall recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
91	Very Satisfied	48	52.7
	Satisfied	36	39.6
	Somewhat Satisfied	5	5.5
	Unsatisfied	1	1.1
	Very Unsatisfied	1	1.1

Table C-1. General Visitor Survey Results – Section A-1 – Background Section – Big Meadows Campground (continued).

Q-15. Are there additional recreation facilities, amenities, or opportunities that would improve your recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
69	Yes	21	30.4
	No	48	69.6

Of the twenty-one people who said “yes”, eighteen provided comments which are summarized below by category. Some respondents provided comments that described multiple categories; therefore the total number of comments exceeds the total number of respondents.

Facility/Amenity	Number of Comments	Percent of Total
Restrooms	6	27.3
Roads	5	22.7
More Developments	4	18.2
Showers	3	13.6
Boat Ramp Access	1	4.5
Campfires	1	4.5
Cost/Fees	1	4.5
Longer Season	1	4.5
Total	22	100.0

Table C-2. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Big Meadows Campground.

Q-1. A total of ninety-four people who participated in the General Visitor Survey indicated that they camped at Big Meadows Campground.

Q-2. Name of primary campground used:

Campground	Frequency	Percent
Big Meadows Campground	94	100.0

Q-3. How many nights will you camp during this visit?

Total # of Respondents	Average # of Nights	Standard Deviation	Range (Min. – Max.)
94	2.6	1.4	1-10

Q-4a. Were you able to camp at your first choice campground?

Total # of Respondents	Possible Answers	Frequency	Percent
93	Yes	90	96.8
	No	3	3.2

Q-4b. If no, what was your first choice campground?

Location	First Choice	Frequency
Campground/Campsite within Region	Hell Hole Campground	1
	Wanted a double space	1

Table C-2. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Big Meadows Campground (continued).

Q-5. What was your method of camping?

Total # of Respondents	Camping Method	Frequency	Percent
92	Tent	76	82.6
	Recreational vehicle less than 25 feet	6	6.5
	Recreational vehicle 25-35 feet	5	5.4
	Multiple methods	1	1.1
	Tent trailer	1	1.1
	Trailer 25-35 feet	1	1.1
	Recreational vehicle longer than 35 feet	0	-
	Trailer less than 25 feet	0	-
	Trailer longer than 35 feet	0	-
	Other	2	2.2

Q-6. Please rate the following factors at the campground identified above.

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Campsite availability	93	Acceptable	90	96.8
		Somewhat Acceptable	3	3.2
		Not Acceptable	0	-
Campsite condition	90	Acceptable	81	90.0
		Somewhat Acceptable	9	10.0
		Not Acceptable	0	-
Campsite cleanliness	91	Acceptable	86	94.5
		Somewhat Acceptable	4	4.4
		Not Acceptable	1	1.1
Adequacy of campsite screening	82	Acceptable	69	84.1
		Somewhat Acceptable	10	12.2
		Not Acceptable	3	3.7
Adequacy of campsite shading	89	Acceptable	80	89.9
		Somewhat Acceptable	9	10.1
		Not Acceptable	0	-
Restroom condition	90	Acceptable	56	62.2
		Somewhat Acceptable	24	26.7
		Not Acceptable	10	11.1

Table C-2. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Big Meadows Campground (continued).

Q-6. Please rate the following factors at the campground identified above (continued).

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Restroom cleanliness	89	Acceptable	64	71.9
		Somewhat Acceptable	19	21.3
		Not Acceptable	6	6.7
Drinking water availability	88	Acceptable	68	77.3
		Somewhat Acceptable	17	19.3
		Not Acceptable	3	3.4
Trash disposal	90	Acceptable	74	82.2
		Somewhat Acceptable	15	16.7
		Not Acceptable	1	1.1
Parking availability	91	Acceptable	80	87.9
		Somewhat Acceptable	10	11.0
		Not Acceptable	1	1.1
Parking area condition	88	Acceptable	76	86.4
		Somewhat Acceptable	11	12.5
		Not Acceptable	1	1.1
Adequacy of food storage lockers	86	Acceptable	60	69.8
		Somewhat Acceptable	18	20.9
		Not Acceptable	8	9.3
Condition of food storage lockers	84	Acceptable	66	78.6
		Somewhat Acceptable	12	14.3
		Not Acceptable	6	7.1
Parking spur size	85	Acceptable	67	78.8
		Somewhat Acceptable	16	18.8
		Not Acceptable	2	2.4
Road condition in campground	89	Acceptable	44	49.4
		Somewhat Acceptable	24	27.0
		Not Acceptable	21	23.6
Adequacy of road size in campground	87	Acceptable	58	66.7
		Somewhat Acceptable	23	26.4
		Not Acceptable	6	6.9
Cost of campground fee	89	Acceptable	72	80.9
		Somewhat Acceptable	14	15.7
		Not Acceptable	3	3.4

Table C-2. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Big Meadows Campground (continued).

Q-6. Please rate the following factors at the campground identified above (continued).

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Adequacy of law enforcement personnel	75	Acceptable	51	68.0
		Somewhat Acceptable	17	22.7
		Not Acceptable	7	9.3
Other	0	Acceptable	-	-
		Somewhat Acceptable	-	-
		Not Acceptable	-	-

Q-7. Were the services and/or facilities at the campground you identified above adequate for any physically impaired person in your party?

Total # of Respondents	Possible Answers	Frequency	Percent
85	Not applicable	49	57.6
	Yes	30	35.3
	No	6	7.1

Q-8. Was your recreation experience **negatively** affected by:

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Crowding	89	Yes	0	-
		No	89	100.0
Other activities taking place	80	Yes	0	-
		No	80	100.0

Q-9. How would you rate your overall experience at the campground identified above?

Total # of Respondents	Possible Answers	Frequency	Percent
90	Very Satisfied	49	54.4
	Satisfied	38	42.2
	Somewhat Satisfied	3	3.3
	Unsatisfied	0	-
	Very Unsatisfied	0	-

Table C-3. General Visitor Survey Results – Section A-1 – Background Section – Hell Hole Campground.

Q-1. Did you engage in any of the following activities during your visit?

Total # of Respondents	Activity	Frequency	Percent
43	Camping at a developed site	43	100.0
	Reservoir recreation	16	37.2
	Fishing	11	25.6
	Day use at a developed site	3	7.0
	Day use or camping in undeveloped areas	3	7.0
	Day use along a stream/river	1	2.3

Analytical Note: Multiple responses were accepted.

Q-2. What type of vehicle did you drive to this area?

Total # of Respondents	Type of Vehicle	Frequency	Percent
43	Car/SUV/Truck	37	86.0
	Camper/RV	5	11.6
	Motorcycle	0	-
	Multiple	0	-
	Other	1	2.3

Q-3. How many people were in your vehicle?

Total # of Respondents	Average # of people	Standard Deviation	Range (min.-max.)	Total # of People	Frequency	Percent
43	3.0	2.6	1-18	1	7	16.3
				2	16	37.2
				3	6	14.0
				4 or more	14	32.6

Q-4. How many people in your group are in the following age categories?

Total # of Respondents	Total # of People in Group	Age Category	Percent
43	155	Under 18	3.9
		18 or over	96.1

Table C-3. General Visitor Survey Results – Section A-1 – Background Section – Hell Hole Campground (continued).

Q-5. How many and what types of vehicles and trailers did your **group** bring?

Total # of Respondents	Vehicle or Trailer	Frequency ¹	Percent ¹	Average # per group ²
40	Car/pickup/SUV	35	87.5	1.4
	Boat trailer	4	10.0	1.0
	Motor home/RV	4	10.0	2.0
	OHV	4	10.0	1.0
	Towed/Trailer Vehicle	4	10.0	1.0
	Horse trailer	0	-	-
	Motorcycle	0	-	-
	Travel trailer	0	-	-
	Utility trailer	0	-	-
	Other	0	-	-

¹Includes all responses.

²Includes only responses that provided the number of vehicles in their group.

Q-6. Your place of residence (zip code):

Total # of Respondents	County in California	Frequency	Percent
42	Sacramento	8	19.0
	Placer	6	14.3
	Yolo	6	14.3
	Contra Costa	4	9.5
	Sonoma	3	7.1
	Alameda	2	4.8
	San Mateo	2	4.8
	Santa Clara	2	4.8
	Sutter	2	4.8
	El Dorado	1	2.4
	Fresno	1	2.4
	Marin	1	2.4
	Merced	1	2.4
	Nevada	1	2.4
	San Diego	1	2.4
	Location outside of California	Frequency	Percent
	Georgia	1	2.4

Analytical Note: Counties were determined using zip codes provided by the respondent.

Table C-3. General Visitor Survey Results – Section A-1 – Background Section – Hell Hole Campground (continued).

Q-7. What year were you born?

Total # of Respondents	Average Age (years)	Standard Deviation	Age Range (min.-max.)	Age Categories (years)	Frequency	Percent
42	38.4	14.5	18-69	24 or younger	7	16.7
				25-39	17	40.5
				40-64	16	38.1
				65 or older	2	4.8

Analytical Note: Ages were determined using birth years provided by the survey respondent.

Q-8. Which cultural or ethnic group do you most closely identify with?

Total # of Respondents	Cultural or Ethnic Group	Frequency	Percent
43	White/Caucasian	38	88.4
	Hispanic or Latino	2	4.7
	Asian	1	2.3
	Native Hawaiian or Pacific Islander	1	2.3
	American Indian or Alaskan Native	0	-
	Black/African American	0	-
	Other/Multi-racial	1	2.3

Q-9. What is your primary spoken language?

Total # of Respondents	Primary Language	Frequency	Percent
41	English	40	97.6
	Russian	1	2.4

Table C-3. General Visitor Survey Results – Section A-1 – Background Section – Hell Hole Campground (continued).

Q-10. Identify the reasons why you chose this area to recreate?

Total # of Respondents	Primary Reason	Frequency	Percent
30	Scenic quality of the area	9	30.0
	Recreational activities/opportunities in the area	7	23.3
	Lack of crowding	6	20.0
	Close to home	3	10.0
	Access to lake/reservoir	1	3.3
	Cost of facility access fee	1	3.3
	Access to river/stream	0	-
	Presence of on-site manager/host	0	-
	Other	3	10.0

Analytical Note: Respondents were asked to indicate one primary reason for visiting the area. Thirteen respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the 30 respondents who correctly answered the question.

Total # of Respondents	Secondary Reason	Frequency	Percent
30	Lack of crowding	14	46.7
	Access to lake/reservoir	13	43.3
	Recreational activities/opportunities in the area	7	23.3
	Close to home	6	20.0
	Scenic quality of the area	6	20.0
	Access to river/stream	4	13.3
	Cost of facility access fee	1	3.3
	Presence of on-site manager/host	0	-
	Other	2	6.7

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-3. General Visitor Survey Results – Section A-1 – Background Section – Hell Hole Campground (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
Developed campsites	43	Very Important	7	16.3
		Important	17	39.5
		Somewhat Important	8	18.6
		Not Important	11	25.6
Developed picnic sites	40	Very Important	5	12.5
		Important	6	15.0
		Somewhat Important	15	37.5
		Not Important	14	35.0
Flush restrooms	42	Very Important	8	19.0
		Important	4	9.5
		Somewhat Important	14	33.3
		Not Important	16	38.1
Drinking water	43	Very Important	13	30.2
		Important	13	30.2
		Somewhat Important	9	20.9
		Not Important	8	18.6
RV dump station	42	Very Important	2	4.8
		Important	1	2.4
		Somewhat Important	8	19.0
		Not Important	31	73.8
Boat launch ramps	41	Very Important	9	22.0
		Important	8	19.5
		Somewhat Important	6	14.6
		Not Important	18	43.9
River put-in/take-out	39	Very Important	3	7.7
		Important	5	12.8
		Somewhat Important	6	15.4
		Not Important	25	64.1
Hiking trails	42	Very Important	9	21.4
		Important	15	35.7
		Somewhat Important	10	23.8
		Not Important	8	19.0

Table C-3. General Visitor Survey Results – Section A-1 – Background Section – Hell Hole Campground (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate (continued)?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
OHV Trails	42	Very Important	10	23.8
		Important	6	14.3
		Somewhat Important	3	7.1
		Not Important	23	54.8
Mountain bike trails	41	Very Important	4	9.8
		Important	4	9.8
		Somewhat Important	11	26.8
		Not Important	22	53.7
Fishing access trails	42	Very Important	14	33.3
		Important	11	26.2
		Somewhat Important	9	21.4
		Not Important	8	19.0
Equestrian trails	42	Very Important	5	11.9
		Important	4	9.5
		Somewhat Important	7	16.7
		Not Important	26	61.9
Interpretive/ educational exhibits/information	40	Very Important	6	15.0
		Important	6	15.0
		Somewhat Important	10	25.0
		Not Important	18	45.0
Other	1	Very Important	1	100.0
		Important	-	-
		Somewhat Important	-	-
		Not Important	-	-

Table C-3. General Visitor Survey Results – Section A-1 – Background Section – Hell Hole Campground (continued).

Q-12. Identify the activities you engaged in, or expect to engage in, during your trip to this area.

Total # of Respondents	Primary Activity	Frequency	Percent
27	Camping in developed sites	15	55.6
	Reservoir fishing	5	18.5
	OHV travel/use	4	14.8
	Sports/games/field activities	1	3.7
	Stream swimming/water-play/sun bathing	1	3.7
	Whitewater boating (rafting, kayaking, canoeing)	1	3.7

Analytical Note: Respondents were asked to indicate one primary activity. A total of 16 respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the 27 respondents who correctly answered the question.

Total # of Respondents	Secondary Activity	Frequency	Percent
27	Hiking/walking	12	44.4
	Relaxing	12	44.4
	Reservoir fishing	10	37.0
	Reservoir swimming/water-play/sun bathing	10	37.0
	Camping in developed sites	7	25.9
	Viewing wildlife, scenery photography, etc.	6	22.2
	Picnicking in developed sites	5	18.5
	Bicycling on paved surfaces	4	14.8
	Mountain biking	3	11.1
	Picnicking in undeveloped sites	3	11.1
	Stream swimming/water-play/sun bathing	3	11.1
	Camping in undeveloped sites	1	3.7
	Driving for pleasure on roads	1	3.7
	Non-motorized reservoir boating (canoeing, kayaking, row boating)	1	3.7
	Personal water craft (jet skiing)	1	3.7
	Sports/games/field activities	1	3.7
	Stream fishing	1	3.7
Wood cutting	1	3.7	

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-3. General Visitor Survey Results – Section A-1 – Background Section – Hell Hole Campground (continued).

Q-13. Please rate the availability and adequacy of the following information resources.

Information Resources	Total # of Respondents	Possible Answers	Frequency	Percent
Interpretive/educational information	39	Acceptable	9	23.1
		Somewhat Acceptable	13	33.3
		Not Acceptable	8	20.5
		Not Applicable	9	23.1
Recreation visitor information	39	Acceptable	13	33.3
		Somewhat Acceptable	9	23.1
		Not Acceptable	10	25.6
		Not Applicable	7	17.9
Safety/warning information	37	Acceptable	19	51.4
		Somewhat Acceptable	8	21.6
		Not Acceptable	4	10.8
		Not Applicable	6	16.2
Reservoir water surface elevation information	38	Acceptable	13	34.2
		Somewhat Acceptable	10	26.3
		Not Acceptable	4	10.5
		Not Applicable	11	28.9
River/stream flow information	38	Acceptable	10	26.3
		Somewhat Acceptable	11	28.9
		Not Acceptable	5	13.2
		Not Applicable	12	31.6
Other	1	Acceptable	1	100.0
		Somewhat Acceptable	-	-
		Not Acceptable	-	-
		Not Applicable	-	-

Q-14. How would you rate your overall recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
42	Very Satisfied	19	45.2
	Satisfied	22	52.4
	Somewhat Satisfied	1	2.4
	Unsatisfied	0	-
	Very Unsatisfied	0	-

Table C-3. General Visitor Survey Results – Section A-1 – Background Section – Hell Hole Campground (continued).

Q-15. Are there additional recreation facilities, amenities, or opportunities that would improve your recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
35	Yes	12	34.3
	No	23	65.7

Of the twelve people who said “yes”, eleven provided comments which are summarized below by category. Some respondents provided comments that described multiple categories; therefore the total number of comments exceeds the total number of respondents.

Facility/Amenity	Number of Comments	Percent of Total
Restrooms	4	30.8
Roads	3	23.1
Better Access	2	15.4
More Information	2	15.4
Campsite Issues	1	7.7
Cost/Fees	1	7.7
TOTAL	13	100.0

Table C-4. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Hell Hole Campground.

Q-1. A total of forty-three people who participated in the General Visitor Survey indicated that they camped at Hell Hole Campground.

Q-2. Name of primary campground used:

Campground	Frequency	Percent
Hell Hole Campground	43	100.0

Q-3. How many nights will you camp during this visit?

Total # of Respondents	Average # of Nights	Standard Deviation	Range (Min. – Max.)
43	2.3	1.0	1-5

Q-4a. Were you able to camp at your first choice campground?

Total # of Respondents	Possible Answers	Frequency	Percent
43	Yes	42	97.7
	No	1	2.3

Q-4b. If no, what was your first choice campground?

The respondent who indicated that they were not able to camp at their first choice campground did not specify their preferred campground.

Q-5. What was your method of camping?

Total # of Respondents	Camping Method	Frequency	Percent
43	Tent	35	81.4
	Recreational vehicle 25-35 feet	3	7.0
	Multiple methods	2	4.7
	Recreational vehicle less than 25 feet	1	2.3
	Recreational vehicle longer than 35 feet	1	2.3
	Tent trailer	0	-
	Trailer 25-35 feet	0	-
	Trailer less than 25 feet	0	-
	Trailer longer than 35 feet	0	-
	Other	1	2.3

Table C-4. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Hell Hole Campground (continued).

Q-6. Please rate the following factors at the campground identified above.

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Campsite availability	43	Acceptable	42	97.7
		Somewhat Acceptable	1	2.3
		Not Acceptable	0	-
Campsite condition	43	Acceptable	36	83.7
		Somewhat Acceptable	6	14.0
		Not Acceptable	1	2.3
Campsite cleanliness	42	Acceptable	37	88.1
		Somewhat Acceptable	4	9.5
		Not Acceptable	1	2.4
Adequacy of campsite screening	42	Acceptable	31	73.8
		Somewhat Acceptable	9	21.4
		Not Acceptable	2	4.8
Adequacy of campsite shading	42	Acceptable	36	85.7
		Somewhat Acceptable	6	14.3
		Not Acceptable	0	-
Restroom condition	41	Acceptable	22	53.7
		Somewhat Acceptable	16	39.0
		Not Acceptable	3	7.3
Restroom cleanliness	43	Acceptable	25	58.1
		Somewhat Acceptable	14	32.6
		Not Acceptable	4	9.3
Drinking water availability	42	Acceptable	28	66.7
		Somewhat Acceptable	9	21.4
		Not Acceptable	5	11.9
Trash disposal	42	Acceptable	39	92.9
		Somewhat Acceptable	2	4.8
		Not Acceptable	1	2.4
Parking availability	43	Acceptable	41	95.3
		Somewhat Acceptable	2	4.7
		Not Acceptable	0	-
Parking area condition	43	Acceptable	41	95.3
		Somewhat Acceptable	2	4.7
		Not Acceptable	0	-

Table C-4. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Hell Hole Campground (continued).

Q-6. Please rate the following factors at the campground identified above (continued).

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Adequacy of food storage lockers	43	Acceptable	34	79.1
		Somewhat Acceptable	7	16.3
		Not Acceptable	2	4.7
Condition of food storage lockers	43	Acceptable	38	88.4
		Somewhat Acceptable	4	9.3
		Not Acceptable	1	2.3
Parking spur size	42	Acceptable	33	78.6
		Somewhat Acceptable	7	16.7
		Not Acceptable	2	4.8
Road condition in campground	42	Acceptable	28	66.7
		Somewhat Acceptable	10	23.8
		Not Acceptable	4	9.5
Adequacy of road size in campground	42	Acceptable	31	73.8
		Somewhat Acceptable	10	23.8
		Not Acceptable	1	2.4
Cost of campground fee	42	Acceptable	31	73.8
		Somewhat Acceptable	9	21.4
		Not Acceptable	2	4.8
Adequacy of law enforcement personnel	43	Acceptable	25	58.1
		Somewhat Acceptable	13	30.2
		Not Acceptable	5	11.6
Other	1	Acceptable	0	-
		Somewhat Acceptable	0	-
		Not Acceptable	1	100.0

Table C-4. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Hell Hole Campground (continued).

Q-7. Were the services and/or facilities at the campground you identified above adequate for any physically impaired person in your party?

Total # of Respondents	Possible Answers	Frequency	Percent
42	Not applicable	26	61.9
	Yes	13	31.0
	No	3	7.1

Q-8. Was your recreation experience negatively affected by:

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Crowding	43	Yes	1	2.3
		No	42	97.7
Other activities taking place	36	Yes	1	2.8
		No	35	97.2

Q-9. How would you rate your overall experience at the campground identified above?

Total # of Respondents	Possible Answers	Frequency	Percent
43	Very Satisfied	26	60.5
	Satisfied	16	37.2
	Somewhat Satisfied	1	2.3
	Unsatisfied	0	-
	Very Unsatisfied	0	-

Table C-5. General Visitor Survey Results – Section A-1 – Background Section – Upper Hell Hole Campground.

Q-1. Did you engage in any of the following activities during your visit?

Total # of Respondents	Activity	Frequency	Percent
18	Camping at a developed site	18	100.0
	Fishing	10	55.6
	Reservoir recreation	3	16.7
	Day use along a stream/river	2	11.1
	Day use or camping in undeveloped areas	2	11.1
	Day use at a developed site	1	5.6

Analytical Note: Multiple responses were accepted.

Q-2. What type of vehicle did you drive to this area?

Total # of Respondents	Type of Vehicle	Frequency	Percent
18	Car/SUV/Truck	16	88.9
	Camper/RV	0	-
	Motorcycle	0	-
	Other	2	11.1

Q-3. How many people were in your vehicle?

Total # of Respondents	Average # of people	Standard Deviation	Range (min.-max.)	Total # of People	Frequency	Percent
18	2.5	1.4	1-6	1	3	16.7
				2	10	55.6
				3	1	5.6
				4 or more	4	22.2

Q-4. How many people in your group are in the following age categories?

Total # of Respondents	Total # of People in Group	Age Category	Percent
18	93	Under 18	39.8
		18 or over	60.2

Table C-5. General Visitor Survey Results – Section A-1 – Background Section – Upper Hell Hole Campground (continued).

Q-5. How many and what types of vehicles and trailers did your group bring?

Total # of Respondents	Vehicle or Trailer	Frequency ¹	Percent ¹	Average # per group ²
17	Car/pickup/SUV	17	100.0	3.1
	Boat trailer	9	52.9	2.0
	Horse trailer	1	5.9	1.0
	Towed/Trailer Vehicle	1	5.9	1.0
	Motorcycle	0	-	-
	Motor home/RV	0	-	-
	OHV	0	-	-
	Travel trailer	0	-	-
	Utility trailer	0	-	-

¹Includes all responses.

²Includes only responses that provided the number of vehicles in their group.

Q-6. Your place of residence (zip code):

Total # of Respondents	County in California	Frequency	Percent
18	Alameda	7	38.9
	Sacramento	3	16.7
	Placer	2	11.1
	San Mateo	2	11.1
	Santa Clara	2	11.1
	San Joaquin	1	5.6
	Santa Cruz	1	5.6

Analytical Note: Counties were determined using zip codes provided by the respondent.

Table C-5. General Visitor Survey Results – Section A-1 – Background Section – Upper Hell Hole Campground (continued).

Q-7. What year were you born?

Total # of Respondents	Average Age (years)	Standard Deviation	Age Range (min.-max.)	Age Categories (years)	Frequency	Percent
18	46.1	7.2	30-62	24 or younger	0	-
				25-39	2	11.1
				40-64	16	88.9
				65 or older	0	-

Analytical Note: Ages were determined using birth years provided by the survey respondent.

Q-8. Which cultural or ethnic group do you most closely identify with?

Total # of Respondents	Cultural or Ethnic Group	Frequency	Percent
18	White/Caucasian	17	94.4
	Hispanic or Latino	0	-
	American Indian or Alaskan Native	0	-
	Asian	0	-
	Black/African American	0	-
	Native Hawaiian or Pacific Islander	0	-
	Other/Multi-racial	1	5.6

Q-9. What is your primary spoken language?

Total # of Respondents	Primary Language	Frequency	Percent
16	English	16	100.0

Table C-5. General Visitor Survey Results – Section A-1 – Background Section – Upper Hell Hole Campground (continued).

Q-10. Identify the reasons why you chose this area to recreate?

Total # of Respondents	Primary Reason	Frequency	Percent
14	Scenic quality of the area	7	50.0
	Lack of crowding	5	35.7
	Recreational activities/opportunities in the area	0	-
	Close to home	0	-
	Access to lake/reservoir	0	-
	Access to river/stream	0	-
	Cost of facility access fee	0	-
	Presence of on-site manager/host	0	-
	Other	2	14.3

Analytical Note: Respondents were asked to indicate one primary reason for visiting the area. Four respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the 14 respondents who correctly answered the question.

Total # of Respondents	Secondary Reason	Frequency	Percent
14	Scenic quality of the area	6	42.9
	Access to lake/reservoir	5	35.7
	Lack of crowding	5	35.7
	Recreational activities/opportunities in the area	5	35.7
	Access to river/stream	3	21.4
	Close to home	2	14.3
	Cost of facility access fee	2	14.3
	Presence of on-site manager/host	0	-
	Other	0	-

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-5. General Visitor Survey Results – Section A-1 – Background Section – Upper Hell Hole Campground (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
Developed campsites	18	Very Important	2	11.1
		Important	4	22.2
		Somewhat Important	6	33.3
		Not Important	6	33.3
Developed picnic sites	16	Very Important	1	6.2
		Important	3	18.8
		Somewhat Important	3	18.8
		Not Important	9	56.2
Flush restrooms	17	Very Important	2	11.8
		Important	2	11.8
		Somewhat Important	1	5.9
		Not Important	12	70.6
Drinking water	17	Very Important	3	17.6
		Important	1	5.9
		Somewhat Important	2	11.8
		Not Important	11	64.7
RV dump station	17	Very Important	0	-
		Important	1	5.9
		Somewhat Important	2	11.8
		Not Important	14	82.4
Boat launch ramps	18	Very Important	10	55.6
		Important	3	16.7
		Somewhat Important	2	11.1
		Not Important	3	16.7
River put-in/take-out	12	Very Important	3	25.0
		Important	3	25.0
		Somewhat Important	1	8.3
		Not Important	5	41.7
Hiking trails	17	Very Important	2	11.8
		Important	9	52.9
		Somewhat Important	3	17.6
		Not Important	3	17.6

Table C-5. General Visitor Survey Results – Section A-1 – Background Section – Upper Hell Hole Campground (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate (continued)?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
OHV Trails	17	Very Important	0	-
		Important	1	5.9
		Somewhat Important	1	5.9
		Not Important	15	88.2
Mountain bike trails	17	Very Important	0	-
		Important	1	5.9
		Somewhat Important	3	17.6
		Not Important	13	76.5
Fishing access trails	18	Very Important	4	22.2
		Important	4	22.2
		Somewhat Important	5	27.8
		Not Important	5	27.8
Equestrian trails	17	Very Important	0	-
		Important	0	-
		Somewhat Important	3	17.6
		Not Important	14	82.4
Interpretive/ educational exhibits/information	17	Very Important	0	-
		Important	2	11.8
		Somewhat Important	4	23.5
		Not Important	11	64.7
Other	0	Very Important	-	-
		Important	-	-
		Somewhat Important	-	-
		Not Important	-	-

Table C-5. General Visitor Survey Results – Section A-1 – Background Section – Upper Hell Hole Campground (continued).

Q-12. Identify the activities you engaged in, or expect to engage in, during your trip to this area.

Total # of Respondents	Primary Activity	Frequency	Percent
14	Camping in developed sites	4	28.6
	Reservoir fishing	4	28.6
	Camping in undeveloped sites	2	14.3
	Hiking/walking	2	14.3
	Non-motorized reservoir boating (canoeing, kayaking, row boating)	1	7.1
	Stream fishing	1	7.1

Analytical Note: Respondents were asked to indicate one primary activity. Four respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the 14 respondents who correctly answered the question.

Total # of Respondents	Secondary Activity	Frequency	Percent
14	Reservoir fishing	7	50.0
	Viewing wildlife, scenery photography, etc.	7	50.0
	Hiking/walking	6	42.9
	Relaxing	6	42.9
	Stream fishing	6	42.9
	Stream swimming/water-play/sun bathing	6	42.9
	Picnicking in undeveloped sites	4	28.6
	Reservoir swimming/water-play/sun bathing	4	28.6
	Camping in developed sites	3	21.4
	Camping in undeveloped sites	3	21.4
	Picnicking in developed sites	3	21.4
	Non-motorized reservoir boating (canoeing, kayaking, row boating)	2	14.3
	Bicycling on paved surfaces	1	7.1
	OHV travel/use	1	7.1
	Personal water craft (jet skiing)	1	7.1
	Water skiing, wake boarding	1	7.1
Whitewater boating (rafting, kayaking, canoeing)	1	7.1	

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-5. General Visitor Survey Results – Section A-1 – Background Section – Upper Hell Hole Campground (continued).

Q-13. Please rate the availability and adequacy of the following information resources.

Information Resources	Total # of Respondents	Possible Answers	Frequency	Percent
Interpretive/educational information	15	Acceptable	7	46.7
		Somewhat Acceptable	3	20.0
		Not Acceptable	0	-
		Not Applicable	5	33.3
Recreation visitor information	14	Acceptable	8	57.1
		Somewhat Acceptable	4	28.6
		Not Acceptable	0	-
		Not Applicable	2	14.3
Safety/warning information	15	Acceptable	10	66.7
		Somewhat Acceptable	3	20.0
		Not Acceptable	1	6.7
		Not Applicable	1	6.7
Reservoir water surface elevation information	15	Acceptable	9	60.0
		Somewhat Acceptable	3	20.0
		Not Acceptable	2	13.3
		Not Applicable	1	6.7
River/stream flow information	12	Acceptable	4	33.3
		Somewhat Acceptable	3	25.0
		Not Acceptable	3	25.0
		Not Applicable	2	16.7
Other	0	Acceptable	-	-
		Somewhat Acceptable	-	-
		Not Acceptable	-	-
		Not Applicable	-	-

Q-14. How would you rate your overall recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
18	Very Satisfied	12	66.7
	Satisfied	6	33.3
	Somewhat Satisfied	0	-
	Unsatisfied	0	-
	Very Unsatisfied	0	-

Table C-5. General Visitor Survey Results – Section A-1 – Background Section – Upper Hell Hole Campground (continued).

Q-15. Are there additional recreation facilities, amenities, or opportunities that would improve your recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
14	Yes	3	21.4
	No	11	78.6

All three people who said “yes” provided comments which are summarized below by category.

Facility/Amenity	Number of Comments	Percent of Total
Restrooms	2	66.7
Better Access	1	33.3
TOTAL	3	100.0

Table C-6. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Upper Hell Hole Campground.

Q-1. A total of eighteen people who participated in the General Visitor Survey indicated that they camped at Upper Hell Hole Campground.

Q-2. Name of primary campground used:

Campground	Frequency	Percent
Upper Hell Hole Campground	18	100.0

Q-3. How many nights will you camp during this visit?

Total # of Respondents	Average # of Nights	Standard Deviation	Range (Min. – Max.)
17	3.0	1.1	1-4

Q-4a. Were you able to camp at your first choice campground?

Total # of Respondents	Possible Answers	Frequency	Percent
17	Yes	17	100.0
	No	0	-

Q-4b. If no, what was your first choice campground?

All respondents indicated that they were able to camp at their first choice campground.

Q-5. What was your method of camping?

Total # of Respondents	Camping Method	Frequency	Percent
18	Tent	15	83.3
	Multiple methods	1	5.6
	Recreational vehicle 25-35 feet	0	-
	Recreational vehicle less than 25 feet	0	-
	Recreational vehicle longer than 35 feet	0	-
	Tent trailer	0	-
	Trailer 25-35 feet	0	-
	Trailer less than 25 feet	0	-
	Trailer longer than 35 feet	0	-
	Other	2	11.1

Table C-6. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Upper Hell Hole Campground (continued).

Q-6. Please rate the following factors at the campground identified above.

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Campsite availability	17	Acceptable	16	94.2
		Somewhat Acceptable	1	5.9
		Not Acceptable	0	-
Campsite condition	17	Acceptable	14	82.4
		Somewhat Acceptable	3	17.6
		Not Acceptable	0	-
Campsite cleanliness	16	Acceptable	14	87.5
		Somewhat Acceptable	1	6.2
		Not Acceptable	1	6.2
Adequacy of campsite screening	11	Acceptable	9	81.8
		Somewhat Acceptable	1	9.1
		Not Acceptable	1	9.1
Adequacy of campsite shading	16	Acceptable	14	87.5
		Somewhat Acceptable	2	12.5
		Not Acceptable	0	-
Restroom condition	15	Acceptable	7	46.7
		Somewhat Acceptable	6	40.0
		Not Acceptable	2	13.3
Restroom cleanliness	15	Acceptable	7	46.7
		Somewhat Acceptable	6	40.0
		Not Acceptable	2	13.3
Drinking water availability	13	Acceptable	5	38.5
		Somewhat Acceptable	3	23.1
		Not Acceptable	5	38.5
Trash disposal	15	Acceptable	8	53.3
		Somewhat Acceptable	2	13.3
		Not Acceptable	5	33.3
Parking availability	15	Acceptable	13	86.7
		Somewhat Acceptable	2	13.3
		Not Acceptable	0	-
Parking area condition	17	Acceptable	15	88.2
		Somewhat Acceptable	2	11.8
		Not Acceptable	0	-

Table C-6. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Upper Hell Hole Campground (continued).

Q-6. Please rate the following factors at the campground identified above (continued).

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Adequacy of food storage lockers	11	Acceptable	4	36.4
		Somewhat Acceptable	3	27.3
		Not Acceptable	4	36.4
Condition of food storage lockers	9	Acceptable	4	44.4
		Somewhat Acceptable	2	22.2
		Not Acceptable	3	33.3
Parking spur size	12	Acceptable	8	66.7
		Somewhat Acceptable	3	25.0
		Not Acceptable	1	8.3
Road condition in campground	13	Acceptable	10	76.9
		Somewhat Acceptable	2	15.4
		Not Acceptable	1	7.7
Adequacy of road size in campground	13	Acceptable	10	76.9
		Somewhat Acceptable	2	15.4
		Not Acceptable	1	7.7
Cost of campground fee	14	Acceptable	13	92.9
		Somewhat Acceptable	1	7.1
		Not Acceptable	0	-
Adequacy of law enforcement personnel	12	Acceptable	9	75.0
		Somewhat Acceptable	2	16.7
		Not Acceptable	1	8.3
Other	0	Acceptable	-	-
		Somewhat Acceptable	-	-
		Not Acceptable	-	-

Table C-6. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Upper Hell Hole Campground (continued).

Q-7. Were the services and/or facilities at the campground you identified above adequate for any physically impaired person in your party?

Total # of Respondents	Possible Answers	Frequency	Percent
14	Not applicable	9	64.3
	Yes	2	14.3
	No	3	21.4

Q-8. Was your recreation experience negatively affected by:

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Crowding	16	Yes	1	6.2
		No	15	93.8
Other activities taking place	16	Yes	1	6.2
		No	15	93.8

Q-9. How would you rate your overall experience at the campground identified above?

Total # of Respondents	Possible Answers	Frequency	Percent
17	Very Satisfied	14	82.4
	Satisfied	2	11.8
	Somewhat Satisfied	1	5.9
	Unsatisfied	0	-
	Very Unsatisfied	0	-

Table C-7. General Visitor Survey Results – Section A-1 – Background Section – Hell Hole Boat Ramp and Associated Parking Areas.

Q-1. Did you engage in any of the following activities during your visit?

Total # of Respondents	Activity	Frequency	Percent
101	Fishing	71	70.3
	Reservoir recreation	42	41.6
	Camping at a developed site	27	26.7
	Day use or camping in undeveloped areas	13	12.9
	Day use at a developed site	10	9.9
	Day use along a stream/river	5	5.0

Analytical Note: Multiple responses were accepted.

Q-2. What type of vehicle did you drive to this area?

Total # of Respondents	Type of Vehicle	Frequency	Percent
98	Car/SUV/Truck	87	88.8
	Camper/RV	7	7.1
	Motorcycle	2	2.0
	Multiple Vehicles	0	-
	Other	2	2.0

Q-3. How many people were in your vehicle?

Total # of Respondents	Average # of people	Standard Deviation	Range (min.-max.)	Total # of People	Frequency	Percent
98	2.5	1.2	1-6	1	12	12.2
				2	53	54.1
				3	12	12.2
				4 or more	21	21.4

Q-4. How many people in your group are in the following age categories?

Total # of Respondents	Total # of People in Group	Age Category	Percent
98	331	Under 18	18.1
		18 or over	81.9

Table C-7. General Visitor Survey Results – Section A-1 – Background Section – Hell Hole Boat Ramp and Associated Parking Areas (continued).

Q-5. How many and what types of vehicles and trailers did your **group** bring?

Total # of Respondents	Vehicle or Trailer	Frequency ¹	Percent ¹	Average # per group ²
97	Car/pickup/SUV	87	89.7	1.2
	Boat trailer	41	42.3	1.1
	Towed/Trailer Vehicle	9	9.3	1.0
	Travel trailer	3	3.1	-
	Motorcycle	1	1.0	4.0
	Horse trailer	0	-	-
	Motor home/RV	0	-	-
	OHV	0	-	-
	Other	0	-	-

¹Includes all responses.

²Includes only responses that provided the number of vehicles in their group.

Q-6. Your place of residence (zip code):

Total # of Respondents	County in California	Frequency	Percent
94	Sacramento	27	28.7
	El Dorado	22	23.4
	Placer	22	23.4
	Yolo	6	6.4
	Alameda	3	3.2
	Santa Cruz	3	3.2
	San Joaquin	2	2.1
	Sonoma	2	2.1
	Contra Costa	1	1.1
	Fresno	1	1.1
	Nevada	1	1.1
	San Diego	1	1.1
	San Francisco	1	1.1
	San Mateo	1	1.1
Sutter	1	1.1	

Analytical Note: Counties were determined using zip codes provided by the respondent.

Table C-7. General Visitor Survey Results – Section A-1 – Background Section – Hell Hole Boat Ramp and Associated Parking Areas (continued).

Q-7. What year were you born?

Total # of Respondents	Average Age (years)	Standard Deviation	Age Range (min.-max.)	Age Categories (years)	Frequency	Percent
92	44.1	13.9	18-82	24 or younger	8	8.7
				25-39	23	25.0
				40-64	54	58.7
				65 or older	7	7.6

Analytical Note: Ages were determined using birth years provided by the survey respondent.

Q-8. Which cultural or ethnic group do you most closely identify with?

Total # of Respondents	Cultural or Ethnic Group	Frequency	Percent
99	White/Caucasian	95	96.0
	Hispanic or Latino	2	2.0
	American Indian or Alaskan Native	1	1.0
	Asian	1	1.0
	Black/African American	0	-
	Native Hawaiian or Pacific Islander	0	-
	Other/Multi-racial	0	-

Q-9. What is your primary spoken language?

Total # of Respondents	Primary Language	Frequency	Percent
85	English	85	100.0

Table C-7. General Visitor Survey Results – Section A-1 – Background Section – Hell Hole Boat Ramp and Associated Parking Areas (continued).

Q-10. Identify the reasons why you chose this area to recreate?

Total # of Respondents	Primary Reason	Frequency	Percent
74	Close to home	18	24.3
	Scenic quality of the area	16	21.6
	Recreational activities/opportunities in the area	13	17.6
	Access to lake/reservoir	9	12.2
	Lack of crowding	9	12.2
	Access to river/stream	1	1.4
	Cost of facility access fee	0	-
	Presence of on-site manager/host	0	-
	Other	8	10.8

Analytical Note: Respondents were asked to indicate one primary reason for visiting the area. Twenty-seven respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the 74 respondents who correctly answered the question.

Total # of Respondents	Secondary Reason	Frequency	Percent
76	Access to lake/reservoir	26	34.2
	Scenic quality of the area	24	31.6
	Lack of crowding	23	30.3
	Recreational activities/opportunities in the area	20	26.3
	Close to home	15	19.7
	Cost of facility access fee	10	13.2
	Access to river/stream	9	11.8
	Presence of on-site manager/host	0	-
	Other	5	6.6

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-7. General Visitor Survey Results – Section A-1 – Background Section – Hell Hole Boat Ramp and Associated Parking Areas (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
Developed campsites	93	Very Important	12	12.9
		Important	29	31.2
		Somewhat Important	23	24.7
		Not Important	29	31.2
Developed picnic sites	89	Very Important	9	10.1
		Important	20	22.5
		Somewhat Important	23	25.8
		Not Important	37	41.6
Flush restrooms	91	Very Important	12	13.2
		Important	13	14.3
		Somewhat Important	27	29.7
		Not Important	39	42.9
Drinking water	88	Very Important	19	21.6
		Important	18	20.5
		Somewhat Important	15	17.0
		Not Important	36	40.9
RV dump station	86	Very Important	4	4.7
		Important	11	12.8
		Somewhat Important	17	19.8
		Not Important	54	62.8
Boat launch ramps	93	Very Important	50	53.8
		Important	20	21.5
		Somewhat Important	9	9.7
		Not Important	14	15.1
River put-in/take-out	77	Very Important	8	10.4
		Important	17	22.1
		Somewhat Important	17	22.1
		Not Important	35	5.5
Hiking trails	90	Very Important	20	22.2
		Important	33	36.7
		Somewhat Important	18	20.0
		Not Important	19	21.1

Table C-7. General Visitor Survey Results – Section A-1 – Background Section – Hell Hole Boat Ramp and Associated Parking Areas (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate (continued)?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
OHV Trails	85	Very Important	7	8.2
		Important	14	16.5
		Somewhat Important	19	22.4
		Not Important	45	52.9
Mountain bike trails	88	Very Important	5	5.7
		Important	15	17.0
		Somewhat Important	24	27.3
		Not Important	44	50.0
Fishing access trails	91	Very Important	37	40.7
		Important	18	19.8
		Somewhat Important	11	12.1
		Not Important	25	27.5
Equestrian trails	87	Very Important	5	5.7
		Important	14	16.1
		Somewhat Important	16	18.4
		Not Important	52	59.8
Interpretive/ educational exhibits/information	82	Very Important	7	8.5
		Important	14	17.1
		Somewhat Important	21	25.6
		Not Important	40	48.8
Other	0	Very Important	-	-
		Important	-	-
		Somewhat Important	-	-
		Not Important	-	-

Table C-7. General Visitor Survey Results – Section A-1 – Background Section – Hell Hole Boat Ramp and Associated Parking Areas (continued).

Q-12. Identify the activities you engaged in, or expect to engage in, during your trip to this area.

Total # of Respondents	Primary Activity	Frequency	Percent
61	Reservoir fishing	36	59.0
	Camping in developed sites	9	14.8
	Camping in undeveloped sites	4	6.6
	Picnicking in developed sites	3	4.9
	Relaxing	3	4.9
	Reservoir swimming/water-play/sun bathing	2	3.3
	Driving for pleasure on roads	1	1.6
	Hiking/walking	1	1.6
	Stream swimming/water-play/sun bathing	1	1.6
	Whitewater boating (rafting, kayaking, canoeing)	1	1.6

Analytical Note: Respondents were asked to indicate one primary activity. A total of 40 respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the 61 respondents who correctly answered the question.

Table C-7. General Visitor Survey Results – Section A-1 – Background Section – Hell Hole Boat Ramp and Associated Parking Areas (continued).

Q-12. Identify the activities you engaged in, or expect to engage in, during your trip to this area (continued).

Total # of Respondents	Secondary Activity	Frequency	Percent
61	Reservoir swimming/water-play/sun bathing	19	31.1
	Hiking/walking	17	27.9
	Relaxing	14	23.0
	Reservoir fishing	10	16.4
	Viewing wildlife, scenery photography, etc.	10	16.4
	Camping in developed sites	8	13.1
	Picnicking in undeveloped sites	5	8.2
	Stream fishing	5	8.2
	Camping in undeveloped sites	4	6.6
	OHV travel/use	4	6.6
	Picnicking in developed sites	4	6.6
	Stream swimming/water-play/sun bathing	4	6.6
	Personal water craft (jet skiing)	3	4.9
	Driving for pleasure on roads	2	3.3
	Hunting	2	3.3
	Non-motorized reservoir boating (canoeing, kayaking, row boating)	2	3.3
	Visiting historical/cultural sites	2	3.3
	Mountain biking	1	1.6
	Sailing	1	1.6
	Sports/games/field activities	1	1.6
Water skiing, wake boarding	1	1.6	
Wood cutting	1	1.6	
Other	1	1.6	

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-7. General Visitor Survey Results – Section A-1 – Background Section – Hell Hole Boat Ramp and Associated Parking Areas (continued).

Q-13. Please rate the availability and adequacy of the following information resources.

Information Resources	Total # of Respondents	Possible Answers	Frequency	Percent
Interpretive/educational information	86	Acceptable	34	39.5
		Somewhat Acceptable	19	22.1
		Not Acceptable	10	11.6
		Not Applicable	23	26.7
Recreation visitor information	89	Acceptable	41	46.1
		Somewhat Acceptable	18	20.2
		Not Acceptable	12	13.5
		Not Applicable	18	20.2
Safety/warning information	86	Acceptable	45	52.3
		Somewhat Acceptable	21	24.4
		Not Acceptable	7	8.1
		Not Applicable	13	15.1
Reservoir water surface elevation information	86	Acceptable	33	38.4
		Somewhat Acceptable	23	26.7
		Not Acceptable	11	12.8
		Not Applicable	19	22.1
River/stream flow information	83	Acceptable	30	36.1
		Somewhat Acceptable	15	18.1
		Not Acceptable	9	10.8
		Not Applicable	29	34.9
Other	0	Acceptable	-	-
		Somewhat Acceptable	-	-
		Not Acceptable	-	-
		Not Applicable	-	-

Q-14. How would you rate your overall recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
91	Very Satisfied	53	58.2
	Satisfied	35	38.5
	Somewhat Satisfied	3	3.3
	Unsatisfied	0	
	Very Unsatisfied	0	

Table C-7. General Visitor Survey Results – Section A-1 – Background Section – Hell Hole Boat Ramp and Associated Parking Areas (continued).

Q-15. Are there additional recreation facilities, amenities, or opportunities that would improve your recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
71	Yes	23	32.4
	No	48	67.6

All 23 people who said “yes” provided comments which are summarized below by category. Some respondents provided comments that described multiple categories; therefore the total number of comments exceeds the total number of respondents.

Facility/Amenity	# of Comments	Percent of Total
Roads	6	24.0
More Developments	4	16.0
Restrooms	3	12.0
Better Access	2	8.0
Boat Ramp	2	8.0
Safety/Emergency Services	2	8.0
Unsatisfactory Fishing	2	8.0
Conflicts with other users	1	4.0
More Information	1	4.0
Showers	1	4.0
Trash Disposal	1	4.0
TOTAL	25	100.0

Table C-8. General Visitor Survey Results – Section A-1 – Background Section – Ahart Campground.

Q-1. Did you engage in any of the following activities during your visit?

Total # of Respondents	Activity	Frequency	Percent
44	Camping at a developed site	44	100.0
	Fishing	14	31.8
	Reservoir recreation	8	18.2
	Day use along a stream/river	5	11.4
	Day use or camping in undeveloped areas	4	9.1
	Day use at a developed site	2	4.5

Analytical Note: Multiple responses were accepted.

Q-2. What type of vehicle did you drive to this area?

Total # of Respondents	Type of Vehicle	Frequency	Percent
43	Car/SUV/Truck	36	83.7
	Camper/RV	5	11.6
	Multiple Vehicles	2	4.7
	Motorcycle	0	-
	Other	0	-

Q-3. How many people were in your vehicle?

Total # of Respondents	Average # of people	Standard Deviation	Range (min.-max.)	Total # of People	Frequency	Percent
42	2.4	1.0	1-6	1	5	11.9
				2	24	57.1
				3	7	16.7
				4 or more	6	14.3

Q-4. How many people in your group are in the following age categories?

Total # of Respondents	Total # of People in Group	Age Category	Percent
43	150	Under 18	23.3
		18 or over	76.7

Table C-8. General Visitor Survey Results – Section A-1 – Background Section – Ahart Campground (continued).

Q-5. How many and what types of vehicles and trailers did your **group** bring?

Total # of Respondents	Vehicle or Trailer	Frequency ¹	Percent ¹	Average # per group ²
43	Car/pickup/SUV	41	95.3	1.7
	Motorcycle	5	11.6	2.3
	OHV	5	11.6	2.5
	Travel trailer	5	11.6	2.5
	Motor home/RV	4	9.3	1.0
	Towed/Trailer Vehicle	4	9.3	1.0
	Boat trailer	3	7.0	1.0
	Utility trailer	1	2.3	-
	Horse trailer	0	-	-
	Other	0	-	-

¹Includes all responses.

²Includes only responses that provided the number of vehicles in their group.

Q-6. Your place of residence (zip code):

Total # of Respondents	County in California	Frequency	Percent
42	Placer	16	38.1
	El Dorado	7	16.7
	Sacramento	7	16.7
	Alameda	3	7.1
	Contra Costa	3	7.1
	San Joaquin	2	4.8
	Santa Clara	1	2.4
	Sonoma	1	2.4
	Stanislaus	1	2.4
	Sutter	1	2.4

Analytical Note: Counties were determined using zip codes provided by the respondent.

Table C-8. General Visitor Survey Results – Section A-1 – Background Section – Ahart Campground (continued).

Q-7. What year were you born?

Total # of Respondents	Average Age (years)	Standard Deviation	Age Range (min.-max.)	Age Categories (years)	Frequency	Percent
39	42.5	15.0	18-65	24 or younger	7	17.9
				25-39	10	25.6
				40-64	21	53.8
				65 or older	1	2.6

Analytical Note: Ages were determined using birth years provided by the survey respondent.

Q-8. Which cultural or ethnic group do you most closely identify with?

Total # of Respondents	Cultural or Ethnic Group	Frequency	Percent
43	White/Caucasian	38	88.4
	Hispanic or Latino	2	4.7
	American Indian or Alaskan Native	0	-
	Asian	0	-
	Black/African American	0	-
	Native Hawaiian or Pacific Islander	0	-
	Other/Multi-racial	3	7.0

Q-9. What is your primary spoken language?

Total # of Respondents	Primary Language	Frequency	Percent
38	English	37	97.4
	Multiple	1	2.6

Table C-8. General Visitor Survey Results – Section A-1 – Background Section – Ahart Campground (continued).

Q-10. Identify the reasons why you chose this area to recreate?

Total # of Respondents	Primary Reason	Frequency	Percent
27	Scenic quality of the area	9	33.3
	Access to river/stream	5	18.5
	Access to lake/reservoir	3	11.1
	Close to home	3	11.1
	Lack of crowding	3	11.1
	Recreational activities/opportunities in the area	2	7.4
	Cost of facility access fee	0	-
	Presence of on-site manager/host	0	-
	Other	2	7.4

Analytical Note: Respondents were asked to indicate one primary reason for visiting the area. Seventeen respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the twenty-seven respondents who correctly answered the question.

Total # of Respondents	Secondary Reason	Frequency	Percent
27	Lack of crowding	14	51.9
	Access to lake/reservoir	11	40.7
	Access to river/stream	9	33.3
	Recreational activities/opportunities in the area	9	33.3
	Scenic quality of the area	9	33.3
	Close to home	8	29.6
	Cost of facility access fee	6	22.2
	Presence of on-site manager/host	2	7.4
	Other	2	7.4

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-8. General Visitor Survey Results – Section A-1 – Background Section – Ahart Campground (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
Developed campsites	40	Very Important	13	32.5
		Important	8	20.0
		Somewhat Important	13	32.5
		Not Important	6	15.0
Developed picnic sites	37	Very Important	9	24.3
		Important	5	13.5
		Somewhat Important	14	37.8
		Not Important	9	24.3
Flush restrooms	37	Very Important	8	21.6
		Important	6	16.2
		Somewhat Important	10	27.0
		Not Important	13	35.1
Drinking water	37	Very Important	15	40.5
		Important	7	18.9
		Somewhat Important	11	29.7
		Not Important	4	10.8
RV dump station	37	Very Important	6	16.2
		Important	4	10.8
		Somewhat Important	1	2.7
		Not Important	26	70.3
Boat launch ramps	35	Very Important	5	14.3
		Important	4	11.4
		Somewhat Important	4	11.4
		Not Important	22	62.9
River put-in/take-out	36	Very Important	7	19.4
		Important	4	11.1
		Somewhat Important	4	11.1
		Not Important	21	58.3
Hiking trails	37	Very Important	11	29.7
		Important	14	37.8
		Somewhat Important	7	18.9
		Not Important	5	13.5

Table C-8. General Visitor Survey Results – Section A-1 – Background Section – Ahart Campground (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate (continued)?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
OHV Trails	37	Very Important	12	32.4
		Important	5	13.5
		Somewhat Important	7	18.9
		Not Important	13	35.1
Mountain bike trails	38	Very Important	10	26.3
		Important	7	18.4
		Somewhat Important	10	26.3
		Not Important	11	28.9
Fishing access trails	40	Very Important	20	50.0
		Important	8	20.0
		Somewhat Important	5	12.5
		Not Important	7	17.5
Equestrian trails	34	Very Important	2	5.9
		Important	2	5.9
		Somewhat Important	7	20.6
		Not Important	23	67.6
Interpretive/ educational exhibits/information	35	Very Important	3	8.6
		Important	5	14.3
		Somewhat Important	11	31.4
		Not Important	16	45.7
Other	2	Very Important	2	100.0
		Important	-	-
		Somewhat Important	-	-
		Not Important	-	-

Table C-8. General Visitor Survey Results – Section A-1 – Background Section – Ahart Campground (continued).

Q-12. Identify the activities you engaged in, or expect to engage in, during your trip to this area.

Total # of Respondents	Primary Activity	Frequency	Percent
24	Camping in developed sites	13	54.2
	Relaxing	3	12.5
	OHV travel/use	2	8.3
	Stream fishing	2	8.3
	Gold panning/dredging	1	4.2
	Picnicking in developed sites	1	4.2
	Reservoir fishing	1	4.2
	Reservoir swimming/water-play/sun bathing	1	4.2

Analytical Note: Respondents were asked to indicate one primary activity. A total of twenty respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the twenty-four respondents who correctly answered the question.

Table C-8. General Visitor Survey Results – Section A-1 – Background Section – Ahart Campground (continued).

Q-12. Identify the activities you engaged in, or expect to engage in, during your trip to this area (continued).

Total # of Respondents	Secondary Activity	Frequency	Percent
24	Relaxing	10	41.7
	Hiking/walking	9	37.5
	Reservoir fishing	6	25.0
	Reservoir swimming/water-play/sun bathing	6	25.0
	Stream fishing	6	25.0
	Camping in developed sites	5	20.8
	Stream swimming/water-play/sun bathing	5	20.8
	Viewing wildlife, scenery photography, etc.	5	20.8
	Mountain biking	4	16.7
	Picnicking in developed sites	3	12.5
	Driving for pleasure on roads	2	8.3
	Non-motorized reservoir boating (canoeing, kayaking, row boating)	2	8.3
	OHV travel/use	2	8.3
	Bicycling on paved surfaces	1	4.2
	Camping in undeveloped sites	1	4.2
	Gold panning/dredging	1	4.2
	Horseback riding	1	4.2
	Sports/games/field activities	1	4.2
Visiting historical/cultural sites	1	4.2	

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-8. General Visitor Survey Results – Section A-1 – Background Section – Ahart Campground (continued).

Q-13. Please rate the availability and adequacy of the following information resources.

Information Resources	Total # of Respondents	Possible Answers	Frequency	Percent
Interpretive/educational information	40	Acceptable	18	45.0
		Somewhat Acceptable	10	25.0
		Not Acceptable	2	5.0
		Not Applicable	10	25.0
Recreation visitor information	39	Acceptable	19	48.7
		Somewhat Acceptable	10	25.6
		Not Acceptable	2	5.1
		Not Applicable	8	20.5
Safety/warning information	40	Acceptable	25	62.5
		Somewhat Acceptable	7	17.5
		Not Acceptable	1	2.5
		Not Applicable	7	17.5
Reservoir water surface elevation information	39	Acceptable	16	41.0
		Somewhat Acceptable	7	17.9
		Not Acceptable	6	15.4
		Not Applicable	10	25.6
River/stream flow information	38	Acceptable	16	42.1
		Somewhat Acceptable	7	18.4
		Not Acceptable	5	13.2
		Not Applicable	10	26.3
Other	0	Acceptable	-	-
		Somewhat Acceptable	-	-
		Not Acceptable	-	-
		Not Applicable	-	-

Q-14. How would you rate your overall recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
44	Very Satisfied	33	75.0
	Satisfied	11	25.0
	Somewhat Satisfied	0	-
	Unsatisfied	0	-
	Very Unsatisfied	0	-

Table C-8. General Visitor Survey Results – Section A-1 – Background Section – Ahart Campground (continued).

Q-15. Are there additional recreation facilities, amenities, or opportunities that would improve your recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
30	Yes	7	23.3
	No	23	76.7

All seven people who said “yes” provided comments which are summarized below by category.

Facility/Amenity	Number of Comments	Percent of Total
Drinking water	3	42.9
More Signage	1	14.3
Restrooms	1	14.3
Roads	1	14.3
Water level	1	14.3
Total	7	100.0

Table C-9. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Ahart Campground.

Q-1. A total of forty-four people who participated in the General Visitor Survey indicated that they camped at Ahart Campground.

Q-2. Name of primary campground used:

Campground	Frequency	Percent
Ahart Campground	44	100.0

Q-3. How many nights will you camp during this visit?

Total # of Respondents	Average # of Nights	Standard Deviation	Range (Min. – Max.)
43	2.8	1.2	1-7

Q-4a. Were you able to camp at your first choice campground?

Total # of Respondents	Possible Answers	Frequency	Percent
44	Yes	40	90.9
	No	4	9.1

Q-4b. If no, what was your first choice campground?

Location	First Choice	Frequency
Campground/Campsite within Region	Next to the river	1

Q-5. What was your method of camping?

Total # of Respondents	Camping Method	Frequency	Percent
44	Tent	29	65.9
	Recreational vehicle less than 25 feet	5	11.4
	Recreational vehicle 25-35 feet	3	6.8
	Tent trailer	3	6.8
	Trailer less than 25 feet	2	4.5
	Trailer 25-35 feet	1	2.3
	Multiple methods	0	-
	Recreational vehicle longer than 35 feet	0	-
	Trailer longer than 35 feet	0	-
	Other	1	2.3

Table C-9. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Ahart Campground (continued).

Q-6. Please rate the following factors at the campground identified above.

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Campsite availability	44	Acceptable	41	93.2
		Somewhat Acceptable	3	6.8
		Not Acceptable	0	-
Campsite condition	43	Acceptable	41	95.3
		Somewhat Acceptable	2	4.7
		Not Acceptable	0	-
Campsite cleanliness	41	Acceptable	38	92.7
		Somewhat Acceptable	3	7.3
		Not Acceptable	0	-
Adequacy of campsite screening	33	Acceptable	24	72.7
		Somewhat Acceptable	8	24.2
		Not Acceptable	1	3.0
Adequacy of campsite shading	43	Acceptable	33	76.7
		Somewhat Acceptable	10	23.3
		Not Acceptable	0	-
Restroom condition	41	Acceptable	25	61.0
		Somewhat Acceptable	12	29.3
		Not Acceptable	4	9.8
Restroom cleanliness	41	Acceptable	26	63.4
		Somewhat Acceptable	14	34.1
		Not Acceptable	1	2.4
Drinking water availability	40	Acceptable	14	35.0
		Somewhat Acceptable	7	17.5
		Not Acceptable	19	47.5
Trash disposal	42	Acceptable	35	83.3
		Somewhat Acceptable	6	14.3
		Not Acceptable	1	2.4
Parking availability	42	Acceptable	35	83.3
		Somewhat Acceptable	6	14.3
		Not Acceptable	1	2.4
Parking area condition	43	Acceptable	37	86.0
		Somewhat Acceptable	5	11.6
		Not Acceptable	1	2.3

Table C-9. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Ahart Campground (continued).

Q-6. Please rate the following factors at the campground identified above (continued).

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Adequacy of food storage lockers	43	Acceptable	42	97.7
		Somewhat Acceptable	1	2.3
		Not Acceptable	0	-
Condition of food storage lockers	42	Acceptable	40	95.2
		Somewhat Acceptable	2	4.8
		Not Acceptable	0	-
Parking spur size	41	Acceptable	35	85.4
		Somewhat Acceptable	4	9.8
		Not Acceptable	2	4.9
Road condition in campground	42	Acceptable	32	76.2
		Somewhat Acceptable	8	19.0
		Not Acceptable	2	4.8
Adequacy of road size in campground	43	Acceptable	35	81.4
		Somewhat Acceptable	7	16.3
		Not Acceptable	1	2.3
Cost of campground fee	42	Acceptable	26	61.9
		Somewhat Acceptable	7	16.7
		Not Acceptable	9	21.4
Adequacy of law enforcement personnel	39	Acceptable	23	59.0
		Somewhat Acceptable	13	33.3
		Not Acceptable	3	7.7
Other	1	Acceptable	0	-
		Somewhat Acceptable	0	-
		Not Acceptable	1	100.0

Table C-9. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Ahart Campground (continued).

Q-7. Were the services and/or facilities at the campground you identified above adequate for any physically impaired person in your party?

Total # of Respondents	Possible Answers	Frequency	Percent
39	Not applicable	24	61.5
	Yes	12	30.8
	No	3	7.7

Q-8. Was your recreation experience **negatively** affected by:

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Crowding	41	Yes	0	-
		No	41	100.0
Other activities taking place	35	Yes	0	-
		No	35	100.0

Q-9. How would you rate your overall experience at the campground identified above?

Total # of Respondents	Possible Answers	Frequency	Percent
44	Very Satisfied	32	72.7
	Satisfied	11	25.0
	Somewhat Satisfied	1	2.3
	Unsatisfied	0	-
	Very Unsatisfied	0	-

Table C-10. General Visitor Survey Results – Section A-1 – Background Section – French Meadows Campground.

Q-1. Did you engage in any of the following activities during your visit?

Total # of Respondents	Activity	Frequency	Percent
98	Camping at a developed site	98	100.0
	Reservoir recreation	52	53.1
	Fishing	37	37.8
	Day use along a stream/river	5	5.1
	Day use at a developed site	1	1.0
	Day use or camping in undeveloped areas	0	-

Analytical Note: Multiple responses were accepted.

Q-2. What type of vehicle did you drive to this area?

Total # of Respondents	Type of Vehicle	Frequency	Percent
94	Car/SUV/Truck	81	86.2
	Camper/RV	11	11.7
	Motorcycle	0	-
	Multiple Vehicles	0	-
	Other	2	2.1

Q-3. How many people were in your vehicle?

Total # of Respondents	Average # of people	Standard Deviation	Range (min.-max.)	Total # of People	Frequency	Percent
94	3.2	1.6	1-11	1	1	1.1
				2	43	45.7
				3	17	18.1
				4 or more	33	35.1

Q-4. How many people in your group are in the following age categories?

Total # of Respondents	Total # of People in Group	Age Category	Percent
94	388	Under 18	27.3
		18 or over	72.7

Table C-10. General Visitor Survey Results – Section A-1 – Background Section – French Meadows Campground (continued).

Q-5. How many and what types of vehicles and trailers did your **group** bring?

Total # of Respondents	Vehicle or Trailer	Frequency ¹	Percent ¹	Average # per group ²
94	Car/pickup/SUV	84	89.4	2.0
	Boat trailer	18	19.1	1.1
	Motor home/RV	15	16.0	1.3
	Towed/Trailered Vehicle	13	13.8	1.3
	Travel trailer	6	6.4	1.6
	Utility trailer	3	3.2	1.0
	Motorcycle	1	1.1	1.0
	Horse trailer	0	-	-
	OHV	0	-	-
	Other	0	-	-

¹Includes all responses.

²Includes only responses that provided the number of vehicles in their group.

Q-6. Your place of residence (zip code):

Total # of Respondents	County in California	Frequency	Percent
92	Placer	32	34.8
	Sacramento	30	32.6
	El Dorado	10	10.9
	Contra Costa	2	2.2
	San Francisco	2	2.2
	Solano	2	2.2
	Alameda	1	1.1
	Amador	1	1.1
	Butte	1	1.1
	Fresno	1	1.1
	San Joaquin	1	1.1
	San Mateo	1	1.1
	Shasta	1	1.1
	Yolo	1	1.1
	Yuba	1	1.1
	Location outside of California	Frequency	Percent
	Arizona	1	1.1
	Florida	1	1.1
	Ohio	1	1.1
	Pennsylvania	1	1.1
Washoe, NV	1	1.1	

Analytical Note: Counties were determined using zip codes provided by the respondent.

Table C-10. General Visitor Survey Results – Section A-1 – Background Section – French Meadows Campground (continued).

Q-7. What year were you born?

Total # of Respondents	Average Age (years)	Standard Deviation	Age Range (min.-max.)	Age Categories (years)	Frequency	Percent
87	42.7	13.4	18-77	24 or younger	5	5.7
				25-39	31	35.6
				40-64	46	52.9
				65 or older	5	5.7

Analytical Note: Ages were determined using birth years provided by the survey respondent.

Q-8. Which cultural or ethnic group do you most closely identify with?

Total # of Respondents	Cultural or Ethnic Group	Frequency	Percent
91	White/Caucasian	81	89.0
	Hispanic or Latino	4	4.4
	American Indian or Alaskan Native	2	2.2
	Asian	2	2.2
	Native Hawaiian or Pacific Islander	1	1.1
	Black/African American	0	-
	Other/Multi-racial	1	1.1

Q-9. What is your primary spoken language?

Total # of Respondents	Primary Language	Frequency	Percent
84	English	81	96.4
	Russian	2	2.4
	Spanish	1	1.2

Table C-10. General Visitor Survey Results – Section A-1 – Background Section – French Meadows Campground (continued).

Q-10. Identify the reasons why you chose this area to recreate?

Total # of Respondents	Primary Reason	Frequency	Percent
56	Scenic quality of the area	16	28.6
	Close to home	13	23.2
	Access to lake/reservoir	8	14.3
	Recreational activities/opportunities in the area	8	14.3
	Lack of crowding	7	12.5
	Access to river/stream	0	-
	Cost of facility access fee	0	-
	Presence of on-site manager/host	0	-
	Other	4	7.1

Analytical Note: Respondents were asked to indicate one primary reason for visiting the area. Forty-two respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the fifty-six respondents who correctly answered the question.

Total # of Respondents	Secondary Reason	Frequency	Percent
57	Scenic quality of the area	27	47.4
	Access to lake/reservoir	25	43.9
	Lack of crowding	16	28.1
	Recreational activities/opportunities in the area	14	24.6
	Close to home	13	22.8
	Access to river/stream	8	14.0
	Cost of facility access fee	5	8.8
	Presence of on-site manager/host	4	7.0
	Other	1	1.8

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-10. General Visitor Survey Results – Section A-1 – Background Section – French Meadows Campground (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
Developed campsites	93	Very Important	42	45.2
		Important	28	30.1
		Somewhat Important	20	21.5
		Not Important	3	3.2
Developed picnic sites	82	Very Important	23	28.0
		Important	21	25.6
		Somewhat Important	23	28.0
		Not Important	15	18.3
Flush restrooms	90	Very Important	35	38.9
		Important	27	30.0
		Somewhat Important	18	20.0
		Not Important	10	11.1
Drinking water	90	Very Important	45	50.0
		Important	22	24.4
		Somewhat Important	12	13.3
		Not Important	11	12.2
RV dump station	84	Very Important	9	10.7
		Important	8	9.5
		Somewhat Important	12	14.3
		Not Important	55	65.5
Boat launch ramps	85	Very Important	26	30.6
		Important	15	17.6
		Somewhat Important	12	14.4
		Not Important	32	37.6
River put-in/take-out	76	Very Important	10	13.2
		Important	14	18.4
		Somewhat Important	16	21.1
		Not Important	36	47.4
Hiking trails	84	Very Important	19	22.6
		Important	33	39.3
		Somewhat Important	17	20.2
		Not Important	15	17.9

Table C-10. General Visitor Survey Results – Section A-1 – Background Section – French Meadows Campground (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate (continued)?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
OHV Trails	76	Very Important	8	10.5
		Important	10	13.2
		Somewhat Important	10	13.2
		Not Important	48	63.2
Mountain bike trails	79	Very Important	7	8.9
		Important	14	17.7
		Somewhat Important	23	29.1
		Not Important	35	44.3
Fishing access trails	87	Very Important	35	40.2
		Important	23	26.4
		Somewhat Important	10	11.5
		Not Important	19	21.8
Equestrian trails	75	Very Important	7	9.3
		Important	5	6.7
		Somewhat Important	12	16.0
		Not Important	51	68.0
Interpretive/ educational exhibits/information	76	Very Important	8	10.5
		Important	10	13.2
		Somewhat Important	21	32.9
		Not Important	37	43.4
Other	2	Very Important	2	100.0
		Important	-	-
		Somewhat Important	-	-
		Not Important	-	-

Table C-10. General Visitor Survey Results – Section A-1 – Background Section – French Meadows Campground (continued).

Q-12. Identify the activities you engaged in, or expect to engage in, during your trip to this area.

Total # of Respondents	Primary Activity	Frequency	Percent
53	Camping in developed sites	33	62.3
	Reservoir fishing	12	22.6
	Relaxing	3	5.7
	Camping in undeveloped sites	1	1.9
	Hiking/walking	1	1.9
	OHV travel/use	1	1.9
	Picnicking in developed sites	1	1.9
	Visiting historical/cultural sites	1	1.9

Analytical Note: Respondents were asked to indicate one primary activity. A total of forty-five respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the fifty-three respondents who correctly answered the question.

Table C-10. General Visitor Survey Results – Section A-1 – Background Section – French Meadows Campground (continued).

Q-12. Identify the activities you engaged in, or expect to engage in, during your trip to this area (continued).

Total # of Respondents	Secondary Activity	Frequency	Percent
54	Reservoir swimming/water-play/sun bathing	29	53.7
	Relaxing	24	44.4
	Viewing wildlife, scenery photography, etc.	23	42.6
	Hiking/walking	20	37.0
	Reservoir fishing	17	31.5
	Stream swimming/water-play/sun bathing	15	27.8
	Stream fishing	13	24.1
	Camping in developed sites	12	22.2
	Picnicking in developed sites	11	20.4
	Driving for pleasure on roads	8	14.8
	Mountain biking	8	14.8
	Bicycling on paved surfaces	7	13.0
	Gold panning/dredging	7	13.0
	Hunting	7	13.0
	Visiting historical/cultural sites	7	13.0
	Non-motorized reservoir boating (canoeing, kayaking, row boating)	5	9.3
	OHV travel/use	5	9.3
	Picnicking in undeveloped sites	5	9.3
	Rock hounding	5	9.3
	Camping in undeveloped sites	4	7.4
	Sports/games/field activities	3	5.6
	Wood cutting	3	5.6
	Horseback riding	1	1.9
Personal water craft (jet skiing)	1	1.9	
Plant gathering (berries, mushrooms, grasses, etc.)	1	1.9	
Water skiing, wake boarding	1	1.9	

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-10. General Visitor Survey Results – Section A-1 – Background Section – French Meadows Campground (continued).

Q-13. Please rate the availability and adequacy of the following information resources.

Information Resources	Total # of Respondents	Possible Answers	Frequency	Percent
Interpretive/educational information	78	Acceptable	28	35.9
		Somewhat Acceptable	26	33.3
		Not Acceptable	3	3.8
		Not Applicable	21	26.9
Recreation visitor information	82	Acceptable	39	47.6
		Somewhat Acceptable	24	29.3
		Not Acceptable	4	4.9
		Not Applicable	15	18.3
Safety/warning information	80	Acceptable	40	50.0
		Somewhat Acceptable	26	32.5
		Not Acceptable	4	5.0
		Not Applicable	10	12.5
Reservoir water surface elevation information	84	Acceptable	31	36.9
		Somewhat Acceptable	29	34.5
		Not Acceptable	13	15.5
		Not Applicable	11	13.1
River/stream flow information	78	Acceptable	24	30.8
		Somewhat Acceptable	26	33.3
		Not Acceptable	11	14.1
		Not Applicable	17	21.8
Other	1	Acceptable	1	100.0
		Somewhat Acceptable	-	-
		Not Acceptable	-	-
		Not Applicable	-	-

Q-14. How would you rate your overall recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
93	Very Satisfied	52	55.9
	Satisfied	36	38.7
	Somewhat Satisfied	5	5.4
	Unsatisfied	0	-
	Very Unsatisfied	0	-

Table C-10. General Visitor Survey Results – Section A-1 – Background Section – French Meadows Campground (continued).

Q-15. Are there additional recreation facilities, amenities, or opportunities that would improve your recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
72	Yes	24	33.3
	No	48	66.7

Of the twenty-four people who said “yes”, twenty-two provided comments which are summarized below by category. Some respondents provided comments that described multiple categories; therefore the total number of comments exceeds the total number of respondents.

Facility/Amenity	Number of Comments	Percent of Total
Restrooms	5	20.0
Water level	5	20.0
More Developments	3	12.0
Better Access	2	8.0
More Information	2	8.0
Showers	2	8.0
Trash Disposal	2	8.0
Campsite Storage	1	4.0
Safety	1	4.0
N/A	2	8.0
Total	25	100.0

Table C-11. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – French Meadows Campground.

Q-1. A total of ninety-eight people who participated in the General Visitor Survey indicated that they camped at French Meadows Campground.

Q-2. Name of primary campground used:

Campground	Frequency	Percent
French Meadows Campground	98	100.0

Q-3. How many nights will you camp during this visit?

Total # of Respondents	Average # of Nights	Standard Deviation	Range (Min. – Max.)
94	2.8	2.0	1-14

Q-4a. Were you able to camp at your first choice campground?

Total # of Respondents	Possible Answers	Frequency	Percent
95	Yes	86	90.5
	No	9	9.5

Q-4b. If no, what was your first choice campground?

Location	First Choice	Frequency
Campground/Campsite within Region	Ahart Campground	1
	Lewis Campground	1
	Hell Hole Campground	1
Campground outside Region	Eagle Point	1
	Loon Lake	1
	Stumpy Meadows	1
	Waahl Reserve	1

Table C-11. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – French Meadows Campground (continued).

Q-5. What was your method of camping?

Total # of Respondents	Camping Method	Frequency	Percent
95	Tent	69	72.6
	Recreational vehicle less than 25 feet	9	9.5
	Tent trailer	7	7.4
	Trailer 25-35 feet	4	4.2
	Trailer less than 25 feet	3	3.2
	Recreational vehicle 25-35 feet	2	2.1
	Multiple methods	0	-
	Recreational vehicle longer than 35 feet	0	-
	Trailer longer than 35 feet	0	-
	Other	1	1.1

Q-6. Please rate the following factors at the campground identified above.

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Campsite availability	98	Acceptable	92	93.9
		Somewhat Acceptable	6	6.1
		Not Acceptable	0	-
Campsite condition	98	Acceptable	93	94.9
		Somewhat Acceptable	5	5.1
		Not Acceptable	0	-
Campsite cleanliness	97	Acceptable	94	96.9
		Somewhat Acceptable	3	3.1
		Not Acceptable	0	-
Adequacy of campsite screening	88	Acceptable	79	89.8
		Somewhat Acceptable	7	8.0
		Not Acceptable	2	2.3
Adequacy of campsite shading	95	Acceptable	81	85.3
		Somewhat Acceptable	14	14.7
		Not Acceptable	0	-
Restroom condition	92	Acceptable	75	81.5
		Somewhat Acceptable	16	17.4
		Not Acceptable	1	1.1

Table C-11. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – French Meadows Campground (continued).

Q-6. Please rate the following factors at the campground identified above (continued).

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Restroom cleanliness	91	Acceptable	69	75.8
		Somewhat Acceptable	21	23.1
		Not Acceptable	1	1.1
Drinking water availability	89	Acceptable	68	76.4
		Somewhat Acceptable	13	14.6
		Not Acceptable	8	9.0
Trash disposal	96	Acceptable	82	85.4
		Somewhat Acceptable	12	12.5
		Not Acceptable	2	2.1
Parking availability	96	Acceptable	85	88.5
		Somewhat Acceptable	9	9.4
		Not Acceptable	2	2.1
Parking area condition	94	Acceptable	89	94.7
		Somewhat Acceptable	5	5.3
		Not Acceptable	0	-
Adequacy of food storage lockers	97	Acceptable	92	94.8
		Somewhat Acceptable	3	3.1
		Not Acceptable	2	2.1
Condition of food storage lockers	96	Acceptable	91	94.8
		Somewhat Acceptable	5	5.2
		Not Acceptable	0	-
Parking spur size	95	Acceptable	76	80.0
		Somewhat Acceptable	15	15.8
		Not Acceptable	4	4.2
Road condition in campground	96	Acceptable	92	95.8
		Somewhat Acceptable	4	4.2
		Not Acceptable	0	-
Adequacy of road size in campground	95	Acceptable	84	88.4
		Somewhat Acceptable	10	10.5
		Not Acceptable	1	1.1
Cost of campground fee	97	Acceptable	62	63.9
		Somewhat Acceptable	28	28.9
		Not Acceptable	7	7.2

Table C-11. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – French Meadows Campground (continued).

Q-6. Please rate the following factors at the campground identified above (continued).

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Adequacy of law enforcement personnel	87	Acceptable	55	63.2
		Somewhat Acceptable	26	29.9
		Not Acceptable	6	6.9
Other	0	Acceptable	-	-
		Somewhat Acceptable	-	-
		Not Acceptable	-	-

Q-7. Were the services and/or facilities at the campground you identified above adequate for any physically impaired person in your party?

Total # of Respondents	Possible Answers	Frequency	Percent
91	Not applicable	52	57.1
	Yes	30	33.0
	No	9	9.9

Q-8. Was your recreation experience **negatively** affected by:

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Crowding	92	Yes	6	6.5
		No	86	93.5
Other activities taking place	86	Yes	3	3.5
		No	83	96.5

Q-9. How would you rate your overall experience at the campground identified above?

Total # of Respondents	Possible Answers	Frequency	Percent
95	Very Satisfied	54	56.8
	Satisfied	34	35.8
	Somewhat Satisfied	7	7.4
	Unsatisfied	0	-
	Very Unsatisfied	0	-

Table C-12. General Visitor Survey Results – Section A-1 – Background Section – Lewis Campground.

Q-1. Did you engage in any of the following activities during your visit?

Total # of Respondents	Activity	Frequency	Percent
46	Camping at a developed site	46	100.0
	Reservoir recreation	23	50.0
	Fishing	22	47.8
	Day use along a stream/river	1	2.2
	Day use at a developed site	0	-
	Day use or camping in undeveloped areas	0	-

Analytical Note: Multiple responses were accepted.

Q-2. What type of vehicle did you drive to this area?

Total # of Respondents	Type of Vehicle	Frequency	Percent
44	Car/SUV/Truck	39	88.6
	Camper/RV	4	9.1
	Motorcycle	0	-
	Multiple Vehicles	0	-
	Other	1	2.3

Q-3. How many people were in your vehicle?

Total # of Respondents	Average # of people	Standard Deviation	Range (min.-max.)	Total # of People	Frequency	Percent
45	2.8	1.2	1-6	1	4	8.9
				2	19	42.2
				3	7	15.6
				4 or more	15	33.3

Q-4. How many people in your group are in the following age categories?

Total # of Respondents	Total # of People in Group	Age Category	Percent
45	141	Under 18	33.3
		18 or over	66.7

Table C-12. General Visitor Survey Results – Section A-1 – Background Section – Lewis Campground (continued).

Q-5. How many and what types of vehicles and trailers did your **group** bring?

Total # of Respondents	Vehicle or Trailer	Frequency ¹	Percent ¹	Average # per group ²
45	Car/pickup/SUV	42	93.3	1.9
	Boat trailer	9	20.0	1.0
	Towed/Trailered Vehicle	5	11.1	2.0
	Utility trailer	4	8.9	1.0
	Travel trailer	2	4.4	1.0
	Motor home/RV	1	2.2	1.0
	Horse trailer	0	-	-
	Motorcycle	0	-	-
	OHV	0	-	-
	Other	0	-	-

¹Includes all responses.

²Includes only responses that provided the number of vehicles in their group.

Q-6. Your place of residence (zip code):

Total # of Respondents	County in California	Frequency	Percent
46	Sacramento	13	28.3
	Placer	12	26.1
	Santa Cruz	8	17.4
	Santa Clara	4	8.7
	Butte	1	2.2
	Contra Costa	1	2.2
	El Dorado	1	2.2
	San Joaquin	1	2.2
	San Luis Obispo	1	2.2
	Siskiyou	1	2.2
	Solano	1	2.2
	Yolo	1	2.2
	Location outside of California	Frequency	Percent
	Washoe, NV	1	2.2

Analytical Note: Counties were determined using zip codes provided by the respondent.

Table C-12. General Visitor Survey Results – Section A-1 – Background Section – Lewis Campground (continued).

Q-7. What year were you born?

Total # of Respondents	Average Age (years)	Standard Deviation	Age Range (min.-max.)	Age Categories (years)	Frequency	Percent
41	41.8	12.8	23-68	24 or younger	2	4.9
				25-39	18	43.9
				40-64	18	43.9
				65 or older	3	7.3

Analytical Note: Ages were determined using birth years provided by the survey respondent.

Q-8. Which cultural or ethnic group do you most closely identify with?

Total # of Respondents	Cultural or Ethnic Group	Frequency	Percent
44	White/Caucasian	38	86.4
	Hispanic or Latino	2	4.5
	American Indian or Alaskan Native	1	2.3
	Black/African American	1	2.3
	Asian	0	-
	Native Hawaiian or Pacific Islander	0	-
	Other/Multi-racial	2	4.5

Q-9. What is your primary spoken language?

Total # of Respondents	Primary Language	Frequency	Percent
42	English	42	100.0

Table C-12. General Visitor Survey Results – Section A-1 – Background Section – Lewis Campground (continued).

Q-10. Identify the reasons why you chose this area to recreate?

Total # of Respondents	Primary Reason	Frequency	Percent
23	Scenic quality of the area	11	47.8
	Lack of crowding	7	30.4
	Access to lake/reservoir	1	4.3
	Close to home	1	4.3
	Recreational activities/opportunities in the area	1	4.3
	Access to river/stream	0	-
	Cost of facility access fee	0	-
	Presence of on-site manager/host	0	-
	Other	2	8.7

Analytical Note: Respondents were asked to indicate one primary reason for visiting the area. Twenty-three respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the twenty-three respondents who correctly answered the question.

Total # of Respondents	Secondary Reason	Frequency	Percent
23	Lack of crowding	10	43.5
	Access to lake/reservoir	8	34.8
	Close to home	4	17.4
	Recreational activities/opportunities in the area	4	17.4
	Scenic quality of the area	4	17.4
	Access to river/stream	3	13.0
	Cost of facility access fee	1	4.3
	Presence of on-site manager/host	0	-
	Other	1	4.3

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-12. General Visitor Survey Results – Section A-1 – Background Section – Lewis Campground (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
Developed campsites	44	Very Important	16	36.4
		Important	18	40.9
		Somewhat Important	9	20.5
		Not Important	1	2.3
Developed picnic sites	40	Very Important	8	20.0
		Important	17	42.5
		Somewhat Important	7	17.5
		Not Important	8	20.0
Flush restrooms	44	Very Important	16	36.4
		Important	13	29.5
		Somewhat Important	11	25.0
		Not Important	4	9.1
Drinking water	43	Very Important	22	51.2
		Important	15	34.9
		Somewhat Important	5	11.6
		Not Important	1	2.3
RV dump station	37	Very Important	4	10.8
		Important	2	5.4
		Somewhat Important	2	5.4
		Not Important	29	78.4
Boat launch ramps	40	Very Important	12	30.0
		Important	9	22.5
		Somewhat Important	7	17.5
		Not Important	12	30.0
River put-in/take-out	35	Very Important	2	5.7
		Important	12	34.3
		Somewhat Important	6	17.1
		Not Important	15	42.9
Hiking trails	40	Very Important	10	25.0
		Important	15	37.5
		Somewhat Important	9	22.5
		Not Important	6	15.0

Table C-12. General Visitor Survey Results – Section A-1 – Background Section – Lewis Campground (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate (continued)?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
OHV Trails	35	Very Important	4	11.4
		Important	5	14.3
		Somewhat Important	8	22.9
		Not Important	18	51.4
Mountain bike trails	37	Very Important	5	13.5
		Important	6	16.2
		Somewhat Important	12	32.4
		Not Important	14	37.8
Fishing access trails	42	Very Important	16	38.1
		Important	15	35.7
		Somewhat Important	5	11.9
		Not Important	6	14.3
Equestrian trails	35	Very Important	3	8.6
		Important	3	8.6
		Somewhat Important	4	11.4
		Not Important	25	71.4
Interpretive/ educational exhibits/information	35	Very Important	2	5.7
		Important	5	14.3
		Somewhat Important	6	17.1
		Not Important	22	62.9
Other	0	Very Important	-	-
		Important	-	-
		Somewhat Important	-	-
		Not Important	-	-

Table C-12. General Visitor Survey Results – Section A-1 – Background Section – Lewis Campground (continued).

Q-12. Identify the activities you engaged in, or expect to engage in, during your trip to this area.

Total # of Respondents	Primary Activity	Frequency	Percent
20	Camping in developed sites	12	60.0
	Hiking/walking	3	15.0
	Picnicking in developed sites	1	5.0
	Relaxing	1	5.0
	Reservoir fishing	1	5.0
	Reservoir swimming/water-play/sun bathing	1	5.0
	Whitewater boating (rafting, kayaking, canoeing)	1	5.0

Analytical Note: Respondents were asked to indicate one primary activity. A total of twenty-six respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the twenty respondents who correctly answered the question.

Total # of Respondents	Secondary Activity	Frequency	Percent
20	Reservoir fishing	12	60.0
	Hiking/walking	9	45.0
	Relaxing	7	35.0
	Reservoir swimming/water-play/sun bathing	7	35.0
	Viewing wildlife, scenery photography, etc.	7	35.0
	Stream swimming/water-play/sun bathing	5	25.0
	Camping in developed sites	4	20.0
	Bicycling on paved surfaces	3	15.0
	Stream fishing	3	15.0
	Driving for pleasure on roads	2	10.0
	Mountain biking	2	10.0
	Non-motorized reservoir boating (canoeing, kayaking, row boating)	2	10.0
	Picnicking in developed sites	1	5.0
	Picnicking in undeveloped sites	1	5.0
	Sailing	1	5.0
	Sports/games/field activities	1	5.0
Wood cutting	1	5.0	

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-12. General Visitor Survey Results – Section A-1 – Background Section – Lewis Campground (continued).

Q-13. Please rate the availability and adequacy of the following information resources.

Information Resources	Total # of Respondents	Possible Answers	Frequency	Percent
Interpretive/educational information	39	Acceptable	8	20.5
		Somewhat Acceptable	15	38.5
		Not Acceptable	4	10.3
		Not Applicable	12	30.8
Recreation visitor information	43	Acceptable	26	60.5
		Somewhat Acceptable	11	25.6
		Not Acceptable	2	4.7
		Not Applicable	4	9.3
Safety/warning information	39	Acceptable	23	59.0
		Somewhat Acceptable	9	23.1
		Not Acceptable	3	7.7
		Not Applicable	4	10.3
Reservoir water surface elevation information	40	Acceptable	16	40.0
		Somewhat Acceptable	14	35.0
		Not Acceptable	3	7.5
		Not Applicable	7	17.5
River/stream flow information	39	Acceptable	8	20.5
		Somewhat Acceptable	18	46.2
		Not Acceptable	5	12.8
		Not Applicable	8	20.5
Other	0	Acceptable	-	-
		Somewhat Acceptable	-	-
		Not Acceptable	-	-
		Not Applicable	-	-

Q-14. How would you rate your overall recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
45	Very Satisfied	30	66.7
	Satisfied	14	31.1
	Somewhat Satisfied	1	2.2
	Unsatisfied	0	-
	Very Unsatisfied	0	-

Table C-12. General Visitor Survey Results – Section A-1 – Background Section – Lewis Campground (continued).

Q-15. Are there additional recreation facilities, amenities, or opportunities that would improve your recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
38	Yes	14	36.8
	No	24	63.2

Of the fourteen people who said “yes”, eleven provided comments which are summarized below by category. Some respondents provided comments that described multiple categories; therefore the total number of comments exceeds the total number of respondents.

Facility/Amenity	Number of Comments	Percent of Total
Picnic Tables	4	33.3
More Developments	3	25.0
Restrooms	3	25.0
Boat Ramp Access	1	8.3
Drinking water	1	8.3
Total	12	100.0

Table C-13. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Lewis Campground.

Q-1. A total of forty-six people who participated in the General Visitor Survey indicated that they camped at Lewis Campground.

Q-2. Name of primary campground used:

Campground	Frequency	Percent
Lewis Campground	46	100.0

Q-3. How many nights will you camp during this visit?

Total # of Respondents	Average # of Nights	Standard Deviation	Range (Min. – Max.)
45	3.8	3.2	1-17

Q-4a. Were you able to camp at your first choice campground?

Total # of Respondents	Possible Answers	Frequency	Percent
44	Yes	42	95.5
	No	2	4.5

Q-4b. If no, what was your first choice campground?

Location	First Choice	Frequency
Campground/Campsite within Region	Ahart Campground	1
	By water	1

Table C-13. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Lewis Campground (continued).

Q-5. What was your method of camping?

Total # of Respondents	Camping Method	Frequency	Percent
46	Tent	37	80.4
	Tent trailer	2	4.3
	Trailer 25-35 feet	2	4.3
	Multiple methods	1	2.2
	Recreational vehicle 25-35 feet	1	2.2
	Trailer less than 25 feet	1	2.2
	Recreational vehicle less than 25 feet	0	-
	Recreational vehicle longer than 35 feet	0	-
	Trailer longer than 35 feet	0	-
	Other	2	4.3

Q-6. Please rate the following factors at the campground identified above.

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Campsite availability	45	Acceptable	43	95.6
		Somewhat Acceptable	2	4.4
		Not Acceptable	0	-
Campsite condition	46	Acceptable	45	97.8
		Somewhat Acceptable	1	2.2
		Not Acceptable	0	-
Campsite cleanliness	46	Acceptable	44	95.7
		Somewhat Acceptable	2	4.3
		Not Acceptable	0	-
Adequacy of campsite screening	42	Acceptable	38	90.5
		Somewhat Acceptable	4	9.5
		Not Acceptable	0	-
Adequacy of campsite shading	46	Acceptable	45	97.8
		Somewhat Acceptable	1	2.2
		Not Acceptable	0	-
Restroom condition	46	Acceptable	37	80.4
		Somewhat Acceptable	6	13.0
		Not Acceptable	3	6.5

Table C-13. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Lewis Campground (continued).

Q-6. Please rate the following factors at the campground identified above (continued).

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Restroom cleanliness	46	Acceptable	39	84.8
		Somewhat Acceptable	4	8.7
		Not Acceptable	3	6.5
Drinking water availability	43	Acceptable	29	67.4
		Somewhat Acceptable	8	18.6
		Not Acceptable	6	14.0
Trash disposal	46	Acceptable	41	89.1
		Somewhat Acceptable	4	8.7
		Not Acceptable	1	2.2
Parking availability	46	Acceptable	43	93.5
		Somewhat Acceptable	3	6.5
		Not Acceptable	0	-
Parking area condition	45	Acceptable	44	97.8
		Somewhat Acceptable	1	2.2
		Not Acceptable	0	-
Adequacy of food storage lockers	46	Acceptable	43	93.5
		Somewhat Acceptable	3	6.5
		Not Acceptable	0	-
Condition of food storage lockers	46	Acceptable	46	100.0
		Somewhat Acceptable	0	-
		Not Acceptable	0	-
Parking spur size	44	Acceptable	39	88.6
		Somewhat Acceptable	5	11.4
		Not Acceptable	0	-
Road condition in campground	45	Acceptable	45	100.0
		Somewhat Acceptable	0	-
		Not Acceptable	0	-
Adequacy of road size in campground	44	Acceptable	44	100.0
		Somewhat Acceptable	0	-
		Not Acceptable	0	-
Cost of campground fee	46	Acceptable	31	67.4
		Somewhat Acceptable	14	30.4
		Not Acceptable	1	2.2

Table C-13. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Lewis Campground (continued).

Q-6. Please rate the following factors at the campground identified above (continued).

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Adequacy of law enforcement personnel	42	Acceptable	32	76.2
		Somewhat Acceptable	10	23.8
		Not Acceptable	0	-
Other	0	Acceptable	-	-
		Somewhat Acceptable	-	-
		Not Acceptable	-	-

Q-7. Were the services and/or facilities at the campground you identified above adequate for any physically impaired person in your party?

Total # of Respondents	Possible Answers	Frequency	Percent
43	Not applicable	27	62.8
	Yes	14	32.6
	No	2	4.7

Q-8. Was your recreation experience negatively affected by:

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Crowding	43	Yes	42	97.7
		No	1	2.3
Other activities taking place	36	Yes	35	97.2
		No	1	2.8

Q-9. How would you rate your overall experience at the campground identified above?

Total # of Respondents	Possible Answers	Frequency	Percent
46	Very Satisfied	34	73.9
	Satisfied	12	26.1
	Somewhat Satisfied	0	-
	Unsatisfied	0	-
	Very Unsatisfied	0	-

Table C-14. General Visitor Survey Results – Section A-1 – Background Section – Poppy Campground.

Q-1. Did you engage in any of the following activities during your visit?

Total # of Respondents	Activity	Frequency	Percent
6	Camping at a developed site	6	100.0
	Reservoir recreation	5	83.3
	Fishing	1	16.7
	Day use or camping in undeveloped areas	0	-
	Day use along a stream/river	0	-
	Day use at a developed site	0	-

Analytical Note: Multiple responses were accepted.

Q-2. What type of vehicle did you drive to this area?

Total # of Respondents	Type of Vehicle	Frequency	Percent
6	Car/SUV/Truck	6	100.0
	Camper/RV	0	-
	Motorcycle	0	-
	Multiple Vehicles	0	-
	Other	0	-

Q-3. How many people were in your vehicle?

Total # of Respondents	Average # of people	Standard Deviation	Range (min.-max.)	Total # of People	Frequency	Percent
6	2.2	0.4	2-3	1	0	-
				2	5	83.3
				3	1	16.7
				4 or more	0	-

Q-4. How many people in your group are in the following age categories?

Total # of Respondents	Total # of People in Group	Age Category	Percent
6	43	Under 18	0.0
		18 or over	100.0

Table C-14. General Visitor Survey Results – Section A-1 – Background Section – Poppy Campground (continued).

Q-5. How many and what types of vehicles and trailers did your **group** bring?

Total # of Respondents	Vehicle or Trailer	Frequency ¹	Percent ¹	Average # per group ²
6	Car/pickup/SUV	6	100.0	3.3
	Boat trailer	3	50.0	1.7
	Towed/Trailer Vehicle	0	-	-
	Motor home/RV	0	-	-
	Travel trailer	0	-	-
	OHV	0	-	-
	Motorcycle	0	-	-
	Utility trailer	0	-	-
	Horse trailer	0	-	-
	Other	0	-	-

¹Includes all responses.

²Includes only responses that provided the number of vehicles in their group.

Q-6. Your place of residence (zip code):

Total # of Respondents	County in California	Frequency	Percent
6	Placer	4	66.7
	Sacramento	1	16.7
	Yolo	1	16.7

Analytical Note: Counties were determined using zip codes provided by the respondent.

Q-7. What year were you born?

Total # of Respondents	Average Age (years)	Standard Deviation	Age Range (min.-max.)	Age Categories (years)	Frequency	Percent
6	26.2	11.3	20-49	24 or younger	5	83.3
				25-39	0	-
				40-64	1	16.7
				65 or older	0	-

Analytical Note: Ages were determined using birth years provided by the survey respondent.

Table C-14. General Visitor Survey Results – Section A-1 – Background Section – Poppy Campground (continued).

Q-8. Which cultural or ethnic group do you most closely identify with?

Total # of Respondents	Cultural or Ethnic Group	Frequency	Percent
6	White/Caucasian	5	83.3
	Hispanic or Latino	1	16.7
	American Indian or Alaskan Native	0	-
	Asian	0	-
	Black/African American	0	-
	Native Hawaiian or Pacific Islander	0	-
	Other/Multi-racial	0	-

Q-9. What is your primary spoken language?

Total # of Respondents	Primary Language	Frequency	Percent
6	English	6	100.0

Table C-14. General Visitor Survey Results – Section A-1 – Background Section – Poppy Campground (continued).

Q-10. Identify the reasons why you chose this area to recreate?

Total # of Respondents	Primary Reason	Frequency	Percent
4	Access to lake/reservoir	1	25.0
	Close to home	1	25.0
	Lack of crowding	1	25.0
	Recreational activities/opportunities in the area	1	25.0
	Access to river/stream	0	-
	Cost of facility access fee	0	-
	Presence of on-site manager/host	0	-
	Scenic quality of the area	0	-
	Other	0	-

Analytical Note: Respondents were asked to indicate one primary reason for visiting the area. Two respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the four respondents who correctly answered the question.

Total # of Respondents	Secondary Reason	Frequency	Percent
4	Lack of crowding	2	50.0
	Access to lake/reservoir	1	25.0
	Close to home	1	25.0
	Cost of facility access fee	1	25.0
	Recreational activities/opportunities in the area	1	25.0
	Access to river/stream	0	-
	Presence of on-site manager/host	0	-
	Scenic quality of the area	0	-
	Other	0	-

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-14. General Visitor Survey Results – Section A-1 – Background Section – Poppy Campground (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
Developed campsites	6	Very Important	1	16.7
		Important	1	16.7
		Somewhat Important	3	50.0
		Not Important	1	16.7
Developed picnic sites	6	Very Important	1	16.7
		Important	2	33.3
		Somewhat Important	2	33.3
		Not Important	1	16.7
Flush restrooms	6	Very Important	0	-
		Important	1	16.7
		Somewhat Important	2	33.3
		Not Important	3	50.0
Drinking water	6	Very Important	1	16.7
		Important	0	-
		Somewhat Important	1	16.7
		Not Important	4	66.7
RV dump station	6	Very Important	1	16.7
		Important	0	-
		Somewhat Important	0	-
		Not Important	5	83.3
Boat launch ramps	6	Very Important	1	16.7
		Important	4	66.7
		Somewhat Important	0	-
		Not Important	1	16.7
River put-in/take-out	5	Very Important	0	-
		Important	1	20.0
		Somewhat Important	3	60.0
		Not Important	1	20.0
Hiking trails	6	Very Important	1	16.7
		Important	3	50.0
		Somewhat Important	1	16.7
		Not Important	1	16.7

Table C-14. General Visitor Survey Results – Section A-1 – Background Section – Poppy Campground (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate (continued)?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
OHV Trails	5	Very Important	1	20.0
		Important	0	-
		Somewhat Important	0	-
		Not Important	4	80.0
Mountain bike trails	5	Very Important	1	20.0
		Important	0	-
		Somewhat Important	2	40.0
		Not Important	2	40.0
Fishing access trails	6	Very Important	1	16.7
		Important	3	50.0
		Somewhat Important	1	16.7
		Not Important	1	16.7
Equestrian trails	5	Very Important	1	20.0
		Important	0	-
		Somewhat Important	1	20.0
		Not Important	3	60.0
Interpretive/ educational exhibits/information	5	Very Important	1	20.0
		Important	0	-
		Somewhat Important	1	20.0
		Not Important	3	60.0
Other	0	Very Important	-	-
		Important	-	-
		Somewhat Important	-	-
		Not Important	-	-

Table C-14. General Visitor Survey Results – Section A-1 – Background Section – Poppy Campground (continued).

Q-12. Identify the activities you engaged in, or expect to engage in, during your trip to this area.

Total # of Respondents	Primary Activity	Frequency	Percent
3	Camping in developed sites	2	66.7
	Other	1	33.3

Analytical Note: Respondents were asked to indicate one primary activity. A total of three respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the three respondents who correctly answered the question.

Total # of Respondents	Secondary Activity	Frequency	Percent
3	Non-motorized reservoir boating (canoeing, kayaking, row boating)	3	100.0
	Relaxing	3	100.0
	Reservoir swimming/water-play/sun bathing	3	100.0
	Hiking/walking	2	66.7
	Water skiing, wake boarding	2	66.7
	Camping in developed sites	1	33.3
	Camping in undeveloped sites	1	33.3
	Mountain biking	1	33.3
	Picnicking in developed sites	1	33.3
	Reservoir fishing	1	33.3
	Sports/games/field activities	1	33.3

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-14. General Visitor Survey Results – Section A-1 – Background Section – Poppy Campground (continued).

Q-13. Please rate the availability and adequacy of the following information resources.

Information Resources	Total # of Respondents	Possible Answers	Frequency	Percent
Interpretive/educational information	5	Acceptable	2	40.0
		Somewhat Acceptable	0	-
		Not Acceptable	0	-
		Not Applicable	3	60.0
Recreation visitor information	5	Acceptable	3	60.0
		Somewhat Acceptable	0	-
		Not Acceptable	0	-
		Not Applicable	2	40.0
Safety/warning information	5	Acceptable	3	60.0
		Somewhat Acceptable	0	-
		Not Acceptable	0	-
		Not Applicable	2	40.0
Reservoir water surface elevation information	5	Acceptable	1	20.0
		Somewhat Acceptable	2	40.0
		Not Acceptable	0	-
		Not Applicable	2	40.0
River/stream flow information	5	Acceptable	1	20.0
		Somewhat Acceptable	2	40.0
		Not Acceptable	0	-
		Not Applicable	2	40.0
Other	0	Acceptable	-	-
		Somewhat Acceptable	-	-
		Not Acceptable	-	-
		Not Applicable	-	-

Q-14. How would you rate your overall recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
6	Very Satisfied	5	83.3
	Satisfied	1	16.7
	Somewhat Satisfied	0	-
	Unsatisfied	0	-
	Very Unsatisfied	0	-

Table C-14. General Visitor Survey Results – Section A-1 – Background Section – Poppy Campground (continued).

Q-15. Are there additional recreation facilities, amenities, or opportunities that would improve your recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
4	Yes	0	-
	No	4	100.0

Table C-15. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Poppy Campground.

Q-1. A total of six people who participated in the General Visitor Survey indicated that they camped at Poppy Campground.

Q-2. Name of primary campground used:

Campground	Frequency	Percent
Poppy Campground	6	100.0

Q-3. How many nights will you camp during this visit?

Total # of Respondents	Average # of Nights	Standard Deviation	Range (Min. – Max.)
6	2.2	0.4	2-3

Q-4a. Were you able to camp at your first choice campground?

Total # of Respondents	Possible Answers	Frequency	Percent
6	Yes	6	100.0
	No	0	-

Q-4b. If no, what was your first choice campground?

All respondents indicated that they were able to camp at their first choice campground.

Q-5. What was your method of camping?

Total # of Respondents	Camping Method	Frequency	Percent
6	Tent	6	100.0
	Multiple methods	0	-
	Recreational vehicle 25-35 feet	0	-
	Recreational vehicle less than 25 feet	0	-
	Recreational vehicle longer than 35 feet	0	-
	Tent trailer	0	-
	Trailer 25-35 feet	0	-
	Trailer less than 25 feet	0	-
	Trailer longer than 35 feet	0	-
	Other	0	-

Table C-15. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Poppy Campground (continued).

Q-6. Please rate the following factors at the campground identified above.

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Campsite availability	6	Acceptable	6	100.0
		Somewhat Acceptable	0	-
		Not Acceptable	0	-
Campsite condition	6	Acceptable	5	83.3
		Somewhat Acceptable	1	16.7
		Not Acceptable	0	-
Campsite cleanliness	6	Acceptable	6	100.0
		Somewhat Acceptable	0	-
		Not Acceptable	0	-
Adequacy of campsite screening	4	Acceptable	3	75.0
		Somewhat Acceptable	1	25.0
		Not Acceptable	0	-
Adequacy of campsite shading	6	Acceptable	6	100.0
		Somewhat Acceptable	0	-
		Not Acceptable	0	-
Restroom condition	4	Acceptable	1	25.0
		Somewhat Acceptable	3	75.0
		Not Acceptable	0	-
Restroom cleanliness	4	Acceptable	1	25.0
		Somewhat Acceptable	3	75.0
		Not Acceptable	0	-
Drinking water availability	4	Acceptable	1	25.0
		Somewhat Acceptable	2	50.0
		Not Acceptable	1	25.0
Trash disposal	5	Acceptable	1	20.0
		Somewhat Acceptable	2	40.0
		Not Acceptable	2	40.0
Parking availability	5	Acceptable	5	100.0
		Somewhat Acceptable	0	-
		Not Acceptable	0	-
Parking area condition	4	Acceptable	4	100.0
		Somewhat Acceptable	0	-
		Not Acceptable	0	-

Table C-15. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Poppy Campground (continued).

Q-6. Please rate the following factors at the campground identified above (continued).

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Adequacy of food storage lockers	4	Acceptable	0	-
		Somewhat Acceptable	1	25.0
		Not Acceptable	3	75.0
Condition of food storage lockers	4	Acceptable	0	-
		Somewhat Acceptable	1	25.0
		Not Acceptable	3	75.0
Parking spur size	5	Acceptable	5	100.0
		Somewhat Acceptable	0	-
		Not Acceptable	0	-
Road condition in campground	5	Acceptable	4	80.0
		Somewhat Acceptable	1	20.0
		Not Acceptable	0	-
Adequacy of road size in campground	4	Acceptable	2	50.0
		Somewhat Acceptable	2	50.0
		Not Acceptable	0	-
Cost of campground fee	5	Acceptable	4	80.0
		Somewhat Acceptable	0	-
		Not Acceptable	1	20.0
Adequacy of law enforcement personnel	3	Acceptable	3	100.0
		Somewhat Acceptable	0	-
		Not Acceptable	0	-
Other	0	Acceptable	-	-
		Somewhat Acceptable	-	-
		Not Acceptable	-	-

Table C-15. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Poppy Campground (continued).

Q-7. Were the services and/or facilities at the campground you identified above adequate for any physically impaired person in your party?

Total # of Respondents	Possible Answers	Frequency	Percent
5	Not applicable	3	60.0
	Yes	2	40.0
	No	0	-

Q-8. Was your recreation experience negatively affected by:

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Crowding	6	Yes	0	-
		No	6	100.0
Other activities taking place	6	Yes	0	-
		No	6	100.0

Q-9. How would you rate your overall experience at the campground identified above?

Total # of Respondents	Possible Answers	Frequency	Percent
6	Very Satisfied	6	100.0
	Satisfied	0	-
	Somewhat Satisfied	0	-
	Unsatisfied	0	-
	Very Unsatisfied	0	-

Table C-16. General Visitor Survey Results – Section A-1 – Background Section – Coyote Group Campground.

Q-1. Did you engage in any of the following activities during your visit?

Total # of Respondents	Activity	Frequency	Percent
20	Camping at a developed site	20	100.0
	Reservoir recreation	12	60.0
	Fishing	8	40.0
	Day use at a developed site	2	10.0
	Day use along a stream/river	1	5.0
	Day use or camping in undeveloped areas	0	-

Analytical Note: Multiple responses were accepted.

Q-2. What type of vehicle did you drive to this area?

Total # of Respondents	Type of Vehicle	Frequency	Percent
19	Car/SUV/Truck	18	94.7
	Camper/RV	1	5.3
	Motorcycle	0	-
	Multiple Vehicles	0	-
	Other	0	-

Q-3. How many people were in your vehicle?

Total # of Respondents	Average # of people	Standard Deviation	Range (min.-max.)	Total # of People	Frequency	Percent
19	3.7	1.7	1-8	1	2	10.5
				2	3	15.8
				3	3	15.8
				4 or more	11	57.9

Q-4. How many people in your group are in the following age categories?

Total # of Respondents	Total # of People in Group	Age Category	Percent
17	131	Under 18	34.4
		18 or over	65.6

Table C-16. General Visitor Survey Results – Section A-1 – Background Section – Coyote Group Campground (continued).

Q-5. How many and what types of vehicles and trailers did your **group** bring?

Total # of Respondents	Vehicle or Trailer	Frequency ¹	Percent ¹	Average # per group ²
19	Car/pickup/SUV	16	84.2	4.8
	Motor home/RV	5	26.3	1.8
	Boat trailer	4	21.1	1.0
	Towed/Trailer Vehicle	3	15.8	1.0
	Travel trailer	2	10.5	1.0
	Utility trailer	2	10.5	2.0
	Horse trailer	0	-	-
	Motorcycle	0	-	-
	OHV	0	-	-
	Other	0	-	-

¹Includes all responses.

²Includes only responses that provided the number of vehicles in their group.

Q-6. Your place of residence (zip code):

Total # of Respondents	County in California	Frequency	Percent
18	Sacramento	10	55.6
	Placer	4	22.2
	Alameda	1	5.6
	Nevada	1	5.6
	San Joaquin	1	5.6
	Sonoma	1	5.6

Analytical Note: Counties were determined using zip codes provided by the respondent.

Q-7. What year were you born?

Total # of Respondents	Average Age (years)	Standard Deviation	Age Range (min.-max.)	Age Categories (years)	Frequency	Percent
15	37.5	14.7	17-67	24 or younger	2	13.3
				25-39	9	60.0
				40-64	3	20.0
				65 or older	1	6.7

Analytical Note: Ages were determined using birth years provided by the survey respondent.

Table C-16. General Visitor Survey Results – Section A-1 – Background Section – Coyote Group Campground (continued).

Q-8. Which cultural or ethnic group do you most closely identify with?

Total # of Respondents	Cultural or Ethnic Group	Frequency	Percent
19	White/Caucasian	12	63.2
	Asian	5	26.3
	American Indian or Alaskan Native	0	-
	Black/African American	0	-
	Hispanic or Latino	0	-
	Native Hawaiian or Pacific Islander	0	-
	Other/Multi-racial	2	10.5

Q-9. What is your primary spoken language?

Total # of Respondents	Primary Language	Frequency	Percent
17	English	12	70.6
	Hmong	3	17.6
	Russian	1	5.9
	Multiple	1	5.9

Table C-16. General Visitor Survey Results – Section A-1 – Background Section – Coyote Group Campground (continued).

Q-10. Identify the reasons why you chose this area to recreate?

Total # of Respondents	Primary Reason	Frequency	Percent
13	Close to home	4	30.8
	Access to lake/reservoir	3	23.1
	Lack of crowding	3	23.1
	Scenic quality of the area	2	15.4
	Recreational activities/opportunities in the area	1	7.7
	Access to river/stream	0	-
	Cost of facility access fee	0	-
	Presence of on-site manager/host	0	-
	Other	0	-

Analytical Note: Respondents were asked to indicate one primary reason for visiting the area. Seven respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the thirteen respondents who correctly answered the question.

Total # of Respondents	Secondary Reason	Frequency	Percent
14	Access to lake/reservoir	6	42.9
	Scenic quality of the area	5	35.7
	Access to river/stream	3	21.4
	Close to home	2	14.3
	Cost of facility access fee	2	14.3
	Recreational activities/opportunities in the area	2	14.3
	Lack of crowding	1	7.1
	Presence of on-site manager/host	0	-
	Other	0	-

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-16. General Visitor Survey Results – Section A-1 – Background Section – Coyote Group Campground (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
Developed campsites	18	Very Important	8	44.4
		Important	5	27.8
		Somewhat Important	3	16.7
		Not Important	2	11.1
Developed picnic sites	16	Very Important	3	18.8
		Important	6	37.5
		Somewhat Important	6	37.5
		Not Important	1	6.2
Flush restrooms	19	Very Important	7	36.8
		Important	2	10.5
		Somewhat Important	7	36.8
		Not Important	3	15.8
Drinking water	16	Very Important	7	43.8
		Important	4	25.0
		Somewhat Important	5	31.2
		Not Important	0	-
RV dump station	15	Very Important	1	6.7
		Important	1	6.7
		Somewhat Important	5	33.3
		Not Important	8	53.3
Boat launch ramps	16	Very Important	5	31.2
		Important	3	18.8
		Somewhat Important	4	25.0
		Not Important	4	25.0
River put-in/take-out	16	Very Important	3	18.8
		Important	2	12.5
		Somewhat Important	5	31.2
		Not Important	6	37.5
Hiking trails	17	Very Important	3	17.6
		Important	4	23.5
		Somewhat Important	5	29.4
		Not Important	5	29.4

Table C-16. General Visitor Survey Results – Section A-1 – Background Section – Coyote Group Campground (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate (continued)?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
OHV Trails	14	Very Important	0	-
		Important	1	7.1
		Somewhat Important	1	7.1
		Not Important	12	85.7
Mountain bike trails	16	Very Important	1	6.2
		Important	1	6.2
		Somewhat Important	3	18.8
		Not Important	11	68.8
Fishing access trails	17	Very Important	5	29.4
		Important	7	41.2
		Somewhat Important	3	17.6
		Not Important	2	11.8
Equestrian trails	15	Very Important	1	6.7
		Important	0	-
		Somewhat Important	2	13.3
		Not Important	12	80.0
Interpretive/ educational exhibits/information	14	Very Important	0	-
		Important	0	-
		Somewhat Important	5	35.7
		Not Important	9	64.3
Other	0	Very Important	-	-
		Important	-	-
		Somewhat Important	-	-
		Not Important	-	-

Table C-16. General Visitor Survey Results – Section A-1 – Background Section – Coyote Group Campground (continued).

Q-12. Identify the activities you engaged in, or expect to engage in, during your trip to this area.

Total # of Respondents	Primary Activity	Frequency	Percent
9	Camping in developed sites	4	44.4
	Picnicking in developed sites	1	11.1
	Reservoir fishing	1	11.1
	Reservoir swimming/water-play/sun bathing	1	11.1
	Sports/games/field activities	1	11.1
	Stream swimming/water-play/sun bathing	1	11.1

Analytical Note: Respondents were asked to indicate one primary activity. A total of eleven respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the nine respondents who correctly answered the question.

Total # of Respondents	Secondary Activity	Frequency	Percent
9	Reservoir fishing	5	55.6
	Relaxing	4	44.4
	Reservoir swimming/water-play/sun bathing	4	44.4
	Camping in developed sites	3	33.3
	Hiking/walking	3	33.3
	Stream fishing	3	33.3
	Stream swimming/water-play/sun bathing	3	33.3
	Viewing wildlife, scenery photography, etc.	3	33.3
	Sports/games/field activities	2	22.2
	Bicycling on paved surfaces	1	11.1
	Driving for pleasure on roads	1	11.1
	Mountain biking	1	11.1
	Non-motorized reservoir boating (canoeing, kayaking, row boating)	1	11.1
	OHV travel/use	1	11.1
Rock hounding	1	11.1	

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-16. General Visitor Survey Results – Section A-1 – Background Section – Coyote Group Campground (continued).

Q-13. Please rate the availability and adequacy of the following information resources.

Information Resources	Total # of Respondents	Possible Answers	Frequency	Percent
Interpretive/educational information	18	Acceptable	5	27.8
		Somewhat Acceptable	7	38.9
		Not Acceptable	1	5.6
		Not Applicable	5	27.8
Recreation visitor information	19	Acceptable	7	36.8
		Somewhat Acceptable	8	42.1
		Not Acceptable	1	5.3
		Not Applicable	3	15.8
Safety/warning information	17	Acceptable	8	47.1
		Somewhat Acceptable	6	35.3
		Not Acceptable	1	5.9
		Not Applicable	2	11.8
Reservoir water surface elevation information	18	Acceptable	5	27.8
		Somewhat Acceptable	9	50.0
		Not Acceptable	2	11.1
		Not Applicable	2	11.1
River/stream flow information	19	Acceptable	6	31.6
		Somewhat Acceptable	6	31.6
		Not Acceptable	2	10.5
		Not Applicable	5	26.3
Other	0	Acceptable	-	-
		Somewhat Acceptable	-	-
		Not Acceptable	-	-
		Not Applicable	-	-

Q-14. How would you rate your overall recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
20	Very Satisfied	7	35.0
	Satisfied	12	60.0
	Somewhat Satisfied	1	5.0
	Unsatisfied	0	-
	Very Unsatisfied	0	-

Table C-16. General Visitor Survey Results – Section A-1 – Background Section – Coyote Group Campground (continued).

Q-15. Are there additional recreation facilities, amenities, or opportunities that would improve your recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
13	Yes	9	69.2
	No	4	30.8

All nine people who said “yes” provided comments which are summarized below by category.

Facility/Amenity	Number of Comments	Percent of Total
Drinking water	5	55.6
Campsite Storage	2	22.2
Restrooms	1	11.1
Showers	1	11.1
Total	9	100.0

Table C-17. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Coyote Group Campground.

Q-1. A total of twenty people who participated in the General Visitor Survey indicated that they camped at Coyote Group Campground.

Q-2. Name of primary campground used:

Campground	Frequency	Percent
Coyote Group Campground	20	100.0

Q-3. How many nights will you camp during this visit?

Total # of Respondents	Average # of Nights	Standard Deviation	Range (Min. – Max.)
20	3.1	1.2	2-6

Q-4a. Were you able to camp at your first choice campground?

Total # of Respondents	Possible Answers	Frequency	Percent
20	Yes	14	70.0
	No	6	30.0

Q-4b. If no, what was your first choice campground?

Location	First Choice	Frequency
Campground/Campsite within Region	Black Bear	2
	Ahart Campground	1
	Gates Group Campground	1
	Flush toilets	1

Table C-17. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Coyote Group Campground (continued).

Q-5. What was your method of camping?

Total # of Respondents	Camping Method	Frequency	Percent
20	Tent	17	85.0
	Tent trailer	2	10.0
	Recreational vehicle less than 25 feet	1	5.0
	Multiple methods	0	-
	Recreational vehicle 25-35 feet	0	-
	Recreational vehicle longer than 35 feet	0	-
	Trailer 25-35 feet	0	-
	Trailer less than 25 feet	0	-
	Trailer longer than 35 feet	0	-
	Other	0	-

Q-6. Please rate the following factors at the campground identified above.

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Campsite availability	20	Acceptable	19	95.0
		Somewhat Acceptable	1	5.0
		Not Acceptable	0	-
Campsite condition	20	Acceptable	19	95.0
		Somewhat Acceptable	1	5.0
		Not Acceptable	0	-
Campsite cleanliness	19	Acceptable	17	89.5
		Somewhat Acceptable	2	10.5
		Not Acceptable	0	-
Adequacy of campsite screening	17	Acceptable	13	76.5
		Somewhat Acceptable	4	23.5
		Not Acceptable	0	-
Adequacy of campsite shading	18	Acceptable	12	66.7
		Somewhat Acceptable	6	33.3
		Not Acceptable	0	-
Restroom condition	20	Acceptable	11	55.0
		Somewhat Acceptable	7	35.0
		Not Acceptable	2	10.0

Table C-17. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Coyote Group Campground (continued).

Q-6. Please rate the following factors at the campground identified above (continued).

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Restroom cleanliness	19	Acceptable	15	78.9
		Somewhat Acceptable	2	10.5
		Not Acceptable	2	10.5
Drinking water availability	18	Acceptable	6	33.3
		Somewhat Acceptable	3	16.7
		Not Acceptable	9	50.0
Trash disposal	19	Acceptable	17	89.5
		Somewhat Acceptable	2	10.5
		Not Acceptable	0	-
Parking availability	19	Acceptable	16	84.2
		Somewhat Acceptable	3	15.8
		Not Acceptable	0	-
Parking area condition	19	Acceptable	18	94.7
		Somewhat Acceptable	1	5.3
		Not Acceptable	0	-
Adequacy of food storage lockers	19	Acceptable	12	63.2
		Somewhat Acceptable	6	31.6
		Not Acceptable	1	5.3
Condition of food storage lockers	19	Acceptable	17	89.5
		Somewhat Acceptable	2	10.5
		Not Acceptable	0	-
Parking spur size	18	Acceptable	16	88.9
		Somewhat Acceptable	2	11.1
		Not Acceptable	0	-
Road condition in campground	19	Acceptable	19	100.0
		Somewhat Acceptable	0	-
		Not Acceptable	0	-
Adequacy of road size in campground	19	Acceptable	17	89.5
		Somewhat Acceptable	2	10.5
		Not Acceptable	0	-
Cost of campground fee	19	Acceptable	12	63.2
		Somewhat Acceptable	7	36.8
		Not Acceptable	0	-

Table C-17. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Coyote Group Campground (continued).

Q-6. Please rate the following factors at the campground identified above (continued).

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Adequacy of law enforcement personnel	17	Acceptable	12	70.6
		Somewhat Acceptable	5	29.4
		Not Acceptable	0	-
Other	2	Acceptable	0	-
		Somewhat Acceptable	1	50.0
		Not Acceptable	1	50.0

Q-7. Were the services and/or facilities at the campground you identified above adequate for any physically impaired person in your party?

Total # of Respondents	Possible Answers	Frequency	Percent
18	Not applicable	11	61.1
	Yes	5	27.8
	No	2	11.1

Q-8. Was your recreation experience negatively affected by:

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Crowding	19	Yes	0	-
		No	19	100.0
Other activities taking place	16	Yes	1	6.2
		No	15	93.8

Q-9. How would you rate your overall experience at the campground identified above?

Total # of Respondents	Possible Answers	Frequency	Percent
20	Very Satisfied	10	50.0
	Satisfied	9	45.0
	Somewhat Satisfied	1	5.0
	Unsatisfied	0	-
	Very Unsatisfied	0	-

Table C-18. General Visitor Survey Results – Section A-1 – Background Section – Gates Group Campground.

Q-1. Did you engage in any of the following activities during your visit?

Total # of Respondents	Activity	Frequency	Percent
46	Camping at a developed site	46	100.0
	Reservoir recreation	25	54.3
	Day use along a stream/river	8	17.4
	Day use at a developed site	5	10.9
	Fishing	5	10.9
	Day use or camping in undeveloped areas	3	6.5

Analytical Note: Multiple responses were accepted.

Q-2. What type of vehicle did you drive to this area?

Total # of Respondents	Type of Vehicle	Frequency	Percent
45	Car/SUV/Truck	39	86.7
	Camper/RV	5	11.1
	Motorcycle	0	-
	Multiple Vehicles	0	-
	Other	1	2.2

Q-3. How many people were in your vehicle?

Total # of Respondents	Average # of people	Standard Deviation	Range (min.-max.)	Total # of People	Frequency	Percent
45	2.8	2.3	1-16	1	8	17.8
				2	17	37.8
				3	11	24.4
				4 or more	9	20.0

Q-4. How many people in your group are in the following age categories?

Total # of Respondents	Total # of People in Group	Age Category	Percent
45	663	Under 18	13.1
		18 or over	86.9

Table C-18. General Visitor Survey Results – Section A-1 – Background Section – Gates Group Campground (continued).

Q-5. How many and what types of vehicles and trailers did your **group** bring?

Total # of Respondents	Vehicle or Trailer	Frequency ¹	Percent ¹	Average # per group ²
45	Car/pickup/SUV	39	86.7	4.3
	Motor home/RV	16	35.6	1.7
	Travel trailer	4	8.9	1.0
	Motorcycle	3	6.7	1.0
	Towed/Trailer Vehicle	3	6.7	1.0
	Boat trailer	2	4.4	1.0
	OHV	2	4.4	1.0
	Horse trailer	0	-	-
	Utility trailer	0	-	-
	Other	0	-	-

¹Includes all responses.

²Includes only responses that provided the number of vehicles in their group.

Table C-18. General Visitor Survey Results – Section A-1 – Background Section – Gates Group Campground (continued).

Q-6. Your place of residence (zip code):

Total # of Respondents	County in California	Frequency	Percent
43	Sacramento	8	18.6
	Placer	3	7.0
	Santa Clara	3	7.0
	Butte	2	4.7
	Contra Costa	2	4.7
	Napa	2	4.7
	San Francisco	2	4.7
	Alameda	1	2.3
	Marin	1	2.3
	Monterey	1	2.3
	Nevada	1	2.3
	Orange	1	2.3
	San Diego	1	2.3
	San Mateo	1	2.3
	San Luis Obispo	1	2.3
	Santa Cruz	1	2.3
	Sonoma	1	2.3
	Location outside of California	Frequency	Percent
	Oregon	4	9.3
	Arizona	2	4.7
	New York	2	4.7
	Idaho	1	2.3
Pennsylvania	1	2.3	
Outside USA	1	2.3	

Analytical Note: Counties were determined using zip codes provided by the respondent.

Q-7. What year were you born?

Total # of Respondents	Average Age (years)	Standard Deviation	Age Range (min.-max.)	Age Categories (years)	Frequency	Percent
43	42.6	14.6	18-70	24 or younger	4	9.3
				25-39	18	41.9
				40-64	18	41.9
				65 or older	3	7.0

Analytical Note: Ages were determined using birth years provided by the survey respondent.

Table C-18. General Visitor Survey Results – Section A-1 – Background Section – Gates Group Campground (continued).

Q-8. Which cultural or ethnic group do you most closely identify with?

Total # of Respondents	Cultural or Ethnic Group	Frequency	Percent
44	White/Caucasian	39	88.6
	Hispanic or Latino	3	6.8
	Asian	1	2.3
	Native Hawaiian or Pacific Islander	1	2.3
	American Indian or Alaskan Native	0	-
	Black/African American	0	-
	Other/Multi-racial	0	-

Q-9. What is your primary spoken language?

Total # of Respondents	Primary Language	Frequency	Percent
43	English	41	95.3
	Spanish	1	2.3
	German	1	2.3

Table C-18. General Visitor Survey Results – Section A-1 – Background Section – Gates Group Campground (continued).

Q-10. Identify the reasons why you chose this area to recreate?

Total # of Respondents	Primary Reason	Frequency	Percent
33	Scenic quality of the area	12	36.4
	Recreational activities/opportunities in the area	6	18.2
	Lack of crowding	5	15.2
	Access to lake/reservoir	1	3.0
	Access to river/stream	1	3.0
	Presence of on-site manager/host	1	3.0
	Close to home	0	-
	Cost of facility access fee	0	-
	Other	7	21.2

Analytical Note: Respondents were asked to indicate one primary reason for visiting the area. Thirteen respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the thirty-three respondents who correctly answered the question.

Total # of Respondents	Secondary Reason	Frequency	Percent
33	Access to lake/reservoir	13	39.4
	Lack of crowding	13	39.4
	Scenic quality of the area	10	30.3
	Close to home	8	24.2
	Access to river/stream	7	21.2
	Recreational activities/opportunities in the area	7	21.2
	Cost of facility access fee	4	12.1
	Presence of on-site manager/host	1	3.0
	Other	2	6.1

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-18. General Visitor Survey Results – Section A-1 – Background Section – Gates Group Campground (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
Developed campsites	43	Very Important	21	48.8
		Important	14	32.6
		Somewhat Important	5	11.6
		Not Important	3	7.0
Developed picnic sites	42	Very Important	8	19.0
		Important	17	40.5
		Somewhat Important	10	23.8
		Not Important	7	16.7
Flush restrooms	45	Very Important	8	17.8
		Important	9	20.0
		Somewhat Important	15	33.3
		Not Important	13	28.9
Drinking water	45	Very Important	29	64.4
		Important	11	24.4
		Somewhat Important	5	11.1
		Not Important	0	-
RV dump station	44	Very Important	3	6.8
		Important	4	9.1
		Somewhat Important	7	15.9
		Not Important	30	68.2
Boat launch ramps	44	Very Important	1	2.3
		Important	10	22.7
		Somewhat Important	5	11.4
		Not Important	28	63.6
River put-in/take-out	43	Very Important	2	4.7
		Important	9	20.9
		Somewhat Important	10	23.3
		Not Important	22	51.2
Hiking trails	44	Very Important	16	36.4
		Important	21	47.7
		Somewhat Important	5	11.4
		Not Important	2	4.5

Table C-18. General Visitor Survey Results – Section A-1 – Background Section – Gates Group Campground (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate (continued)?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
OHV Trails	42	Very Important	2	4.8
		Important	3	7.1
		Somewhat Important	3	7.1
		Not Important	34	81.0
Mountain bike trails	43	Very Important	3	7.0
		Important	13	30.2
		Somewhat Important	14	32.6
		Not Important	13	30.2
Fishing access trails	44	Very Important	6	13.6
		Important	6	13.6
		Somewhat Important	10	22.7
		Not Important	22	50.0
Equestrian trails	43	Very Important	1	2.3
		Important	3	7.0
		Somewhat Important	3	7.0
		Not Important	36	83.7
Interpretive/ educational exhibits/information	42	Very Important	3	7.1
		Important	9	21.4
		Somewhat Important	8	19.0
		Not Important	22	52.4
Other	2	Very Important	1	50.0
		Important	1	50.0
		Somewhat Important	-	-
		Not Important	-	-

Table C-18. General Visitor Survey Results – Section A-1 – Background Section – Gates Group Campground (continued).

Q-12. Identify the activities you engaged in, or expect to engage in, during your trip to this area.

Total # of Respondents	Primary Activity	Frequency	Percent
27	Camping in developed sites	19	70.4
	Stream swimming/water-play/sun bathing	2	7.4
	Hiking/walking	1	3.7
	Picnicking in undeveloped sites	1	3.7
	Relaxing	1	3.7
	Reservoir fishing	1	3.7
	Water skiing/wakeboarding	1	3.7
	Other	1	3.7

Analytical Note: Respondents were asked to indicate one primary activity. A total of nineteen respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the twenty-seven respondents who correctly answered the question.

Table C-18. General Visitor Survey Results – Section A-1 – Background Section – Gates Group Campground (continued).

Q-12. Identify the activities you engaged in, or expect to engage in, during your trip to this area (continued).

Total # of Respondents	Secondary Activity	Frequency	Percent
27	Hiking/walking	16	59.3
	Reservoir swimming/water-play/sun bathing	16	59.3
	Relaxing	12	44.4
	Stream swimming/water-play/sun bathing	11	40.7
	Viewing wildlife, scenery photography, etc.	9	33.3
	Picnicking in developed sites	8	29.6
	Bicycling on paved surfaces	6	22.2
	Camping in developed sites	5	18.5
	Reservoir fishing	5	18.5
	Mountain biking	4	14.8
	Stream fishing	4	14.8
	Camping in undeveloped sites	2	7.4
	Non-motorized reservoir boating (canoeing, kayaking, row boating)	2	7.4
	Picnicking in undeveloped sites	2	7.4
	Visiting historical/cultural sites	2	7.4
	Driving for pleasure on roads	1	3.7
	OHV travel/use	1	3.7
	Sports/games/field activities	1	3.7
	Water skiing, wake boarding	1	3.7
Wood cutting	1	3.7	

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-18. General Visitor Survey Results – Section A-1 – Background Section – Gates Group Campground (continued).

Q-13. Please rate the availability and adequacy of the following information resources.

Information Resources	Total # of Respondents	Possible Answers	Frequency	Percent
Interpretive/educational information	41	Acceptable	8	19.5
		Somewhat Acceptable	12	29.3
		Not Acceptable	5	12.2
		Not Applicable	16	39.0
Recreation visitor information	42	Acceptable	12	28.6
		Somewhat Acceptable	17	40.5
		Not Acceptable	5	11.9
		Not Applicable	8	19.0
Safety/warning information	43	Acceptable	20	46.5
		Somewhat Acceptable	14	32.6
		Not Acceptable	4	9.3
		Not Applicable	5	11.6
Reservoir water surface elevation information	41	Acceptable	5	12.2
		Somewhat Acceptable	10	24.4
		Not Acceptable	12	29.3
		Not Applicable	14	34.1
River/stream flow information	41	Acceptable	6	14.6
		Somewhat Acceptable	14	34.1
		Not Acceptable	11	26.8
		Not Applicable	10	24.4
Other	0	Acceptable	-	-
		Somewhat Acceptable	-	-
		Not Acceptable	-	-
		Not Applicable	-	-

Q-14. How would you rate your overall recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
45	Very Satisfied	25	55.6
	Satisfied	20	44.4
	Somewhat Satisfied	0	-
	Unsatisfied	0	-
	Very Unsatisfied	0	-

Table C-18. General Visitor Survey Results – Section A-1 – Background Section – Gates Group Campground (continued).

Q-15. Are there additional recreation facilities, amenities, or opportunities that would improve your recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
33	Yes	16	48.5
	No	17	51.5

Of the sixteen people who said “yes”, fourteen provided comments which are summarized below by category. Some respondents provided comments that described multiple categories; therefore the total number of comments exceeds the total number of respondents.

Facility/Amenity	Number of Comments	Percent of Total
Restrooms	11	68.8
Drinking water	2	12.5
More Developments	1	6.3
More Information	1	6.3
N/A	1	6.3
Total	16	100.0

Table C-19. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Gates Group Campground.

Q-1. A total of forty-six people who participated in the General Visitor Survey indicated that they camped at Gates Group Campground.

Q-2. Name of primary campground used:

Campground	Frequency	Percent
Gates Group Campground	46	100.0

Q-3. How many nights will you camp during this visit?

Total # of Respondents	Average # of Nights	Standard Deviation	Range (Min. – Max.)
45	6.3	3.9	1-12

Q-4a. Were you able to camp at your first choice campground?

Total # of Respondents	Possible Answers	Frequency	Percent
44	Yes	39	88.6
	No	5	11.4

Q-4b. If no, what was your first choice campground?

Location	First Choice	Frequency
Campground/Campsite within Region	Aspen	2
	Ponderosa	1
	Another site in Gates Group Campground	1

Table C-19. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Gates Group Campground (continued).

Q-5. What was your method of camping?

Total # of Respondents	Camping Method	Frequency	Percent
46	Tent	38	82.6
	Recreational vehicle 25-35 feet	3	6.5
	Trailer less than 25 feet	2	4.3
	Multiple methods	1	2.2
	Recreational vehicle longer than 35 feet	1	2.2
	Trailer longer than 35 feet	1	2.2
	Recreational vehicle less than 25 feet	0	-
	Tent trailer	0	-
	Trailer 25-35 feet	0	-
	Other	0	-

Q-6. Please rate the following factors at the campground identified above.

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Campsite availability	44	Acceptable	39	88.6
		Somewhat Acceptable	5	11.4
		Not Acceptable	0	-
Campsite condition	45	Acceptable	43	95.6
		Somewhat Acceptable	2	4.4
		Not Acceptable	0	-
Campsite cleanliness	45	Acceptable	39	86.7
		Somewhat Acceptable	5	11.1
		Not Acceptable	1	2.2
Adequacy of campsite screening	41	Acceptable	37	90.2
		Somewhat Acceptable	4	9.8
		Not Acceptable	0	-
Adequacy of campsite shading	44	Acceptable	39	88.6
		Somewhat Acceptable	5	11.4
		Not Acceptable	0	-
Restroom condition	45	Acceptable	22	48.9
		Somewhat Acceptable	16	35.6
		Not Acceptable	7	15.6

Table C-19. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Gates Group Campground (continued).

Q-6. Please rate the following factors at the campground identified above (continued).

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Restroom cleanliness	45	Acceptable	23	51.1
		Somewhat Acceptable	19	42.2
		Not Acceptable	3	6.7
Drinking water availability	45	Acceptable	34	75.6
		Somewhat Acceptable	5	11.1
		Not Acceptable	6	13.3
Trash disposal	45	Acceptable	41	91.1
		Somewhat Acceptable	3	6.7
		Not Acceptable	1	2.2
Parking availability	45	Acceptable	45	100.0
		Somewhat Acceptable	0	-
		Not Acceptable	0	-
Parking area condition	45	Acceptable	44	97.8
		Somewhat Acceptable	1	2.2
		Not Acceptable	0	-
Adequacy of food storage lockers	45	Acceptable	42	93.3
		Somewhat Acceptable	2	4.4
		Not Acceptable	1	2.2
Condition of food storage lockers	45	Acceptable	44	97.8
		Somewhat Acceptable	1	2.2
		Not Acceptable	0	-
Parking spur size	44	Acceptable	42	95.5
		Somewhat Acceptable	1	2.3
		Not Acceptable	1	2.3
Road condition in campground	45	Acceptable	45	100.0
		Somewhat Acceptable	0	-
		Not Acceptable	0	-
Adequacy of road size in campground	45	Acceptable	44	97.8
		Somewhat Acceptable	1	2.2
		Not Acceptable	0	-
Cost of campground fee	43	Acceptable	36	83.7
		Somewhat Acceptable	7	16.3
		Not Acceptable	0	-

Table C-19. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Gates Group Campground (continued).

Q-6. Please rate the following factors at the campground identified above (continued).

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Adequacy of law enforcement personnel	40	Acceptable	31	77.5
		Somewhat Acceptable	8	20.0
		Not Acceptable	1	2.5
Other	0	Acceptable	-	-
		Somewhat Acceptable	-	-
		Not Acceptable	-	-

Q-7. Were the services and/or facilities at the campground you identified above adequate for any physically impaired person in your party?

Total # of Respondents	Possible Answers	Frequency	Percent
44	Not applicable	28	63.6
	Yes	10	22.7
	No	6	13.6

Q-8. Was your recreation experience **negatively** affected by:

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Crowding	45	Yes	2	4.4
		No	43	95.6
Other activities taking place	42	Yes	0	-
		No	42	100.0

Q-9. How would you rate your overall experience at the campground identified above?

Total # of Respondents	Possible Answers	Frequency	Percent
45	Very Satisfied	29	64.4
	Satisfied	16	35.6
	Somewhat Satisfied	0	-
	Unsatisfied	0	-
	Very Unsatisfied	0	-

Table C-20. General Visitor Survey Results – Section A-1 – Background Section – French Meadows Boat Ramp and Picnic Area.

Q-1. Did you engage in any of the following activities during your visit?

Total # of Respondents	Activity	Frequency	Percent
42	Fishing	24	57.1
	Reservoir recreation	24	57.1
	Camping at a developed site	17	40.5
	Day use at a developed site	2	4.8
	Day use or camping in undeveloped areas	1	2.4
	Day use along a stream/river	0	-

Analytical Note: Multiple responses were accepted.

Q-2. What type of vehicle did you drive to this area?

Total # of Respondents	Type of Vehicle	Frequency	Percent
41	Car/SUV/Truck	36	87.8
	Motorcycle	3	7.3
	Camper/RV	2	4.9
	Other	0	-

Q-3. How many people were in your vehicle?

Total # of Respondents	Average # of people	Standard Deviation	Range (min.-max.)	Total # of People	Frequency	Percent
40	2.6	2.4	1-16	1	10	25.0
				2	17	42.5
				3	7	17.5
				4 or more	6	15.0

Q-4. How many people in your group are in the following age categories?

Total # of Respondents	Total # of People in Group	Age Category	Percent
40	130	Under 18	14.6
		18 or over	85.4

Table C-20. General Visitor Survey Results – Section A-1 – Background Section – Upper Hell Hole Campground (continued).

Q-5. How many and what types of vehicles and trailers did your group bring?

Total # of Respondents	Vehicle or Trailer	Frequency ¹	Percent ¹	Average # per group ²
40	Car/pickup/SUV	32	80.0	1.7
	Boat trailer	12	30.0	1.2
	Motor home/RV	3	7.5	1.0
	Towed/Trailered Vehicle	3	7.5	-
	Motorcycle	2	5.0	1.0
	Travel trailer	1	2.5	1.0
	Horse trailer	0	-	-
	OHV	0	-	-
	Utility trailer	0	-	-

¹Includes all responses.

²Includes only responses that provided the number of vehicles in their group.

Q-6. Your place of residence (zip code):

Total # of Respondents	County in California	Frequency	Percent
37	Placer	17	45.9
	Sacramento	12	32.4
	El Dorado	2	5.4
	Alameda	1	2.7
	Lake	1	2.7
	Nevada	1	2.7
	San Francisco	1	2.7
	Shasta	1	2.7
	Yuba	1	2.7

Analytical Note: Counties were determined using zip codes provided by the respondent.

Table C-20. General Visitor Survey Results – Section A-1 – Background Section – Upper Hell Hole Campground (continued).

Q-7. What year were you born?

Total # of Respondents	Average Age (years)	Standard Deviation	Age Range (min.-max.)	Age Categories (years)	Frequency	Percent
36	43.3	15.4	21-69	24 or younger	3	8.3
				25-39	17	47.2
				40-64	11	30.6
				65 or older	5	13.9

Analytical Note: Ages were determined using birth years provided by the survey respondent.

Q-8. Which cultural or ethnic group do you most closely identify with?

Total # of Respondents	Cultural or Ethnic Group	Frequency	Percent
39	White/Caucasian	33	84.6
	American Indian or Alaskan Native	2	5.1
	Black/African American	1	2.6
	Asian	0	-
	Hispanic or Latino	0	-
	Native Hawaiian or Pacific Islander	0	-
	Other/Multi-racial	3	7.7

Q-9. What is your primary spoken language?

Total # of Respondents	Primary Language	Frequency	Percent
32	English	32	100.0

Table C-20. General Visitor Survey Results – Section A-1 – Background Section – Upper Hell Hole Campground (continued).

Q-10. Identify the reasons why you chose this area to recreate?

Total # of Respondents	Primary Reason	Frequency	Percent
25	Access to lake/reservoir	6	24.0
	Close to home	6	24.0
	Scenic quality of the area	6	24.0
	Recreational activities/opportunities in the area	4	16.0
	Lack of crowding	1	4.0
	Access to river/stream	0	-
	Cost of facility access fee	0	-
	Presence of on-site manager/host	0	-
	Other	2	8.0

Analytical Note: Respondents were asked to indicate one primary reason for visiting the area. Seventeen respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the 25 respondents who correctly answered the question.

Total # of Respondents	Secondary Reason	Frequency	Percent
25	Access to lake/reservoir	10	40.0
	Scenic quality of the area	6	24.0
	Lack of crowding	4	16.0
	Recreational activities/opportunities in the area	3	12.0
	Access to river/stream	2	8.0
	Close to home	2	8.0
	Presence of on-site manager/host	1	4.0
	Cost of facility access fee	0	-
	Other	0	-

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-20. General Visitor Survey Results – Section A-1 – Background Section – Upper Hell Hole Campground (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
Developed campsites	38	Very Important	16	42.1
		Important	11	28.9
		Somewhat Important	4	10.5
		Not Important	7	18.4
Developed picnic sites	35	Very Important	11	31.4
		Important	9	25.7
		Somewhat Important	5	14.3
		Not Important	10	28.6
Flush restrooms	37	Very Important	12	32.4
		Important	11	29.7
		Somewhat Important	9	24.3
		Not Important	5	13.5
Drinking water	37	Very Important	19	51.4
		Important	10	27.0
		Somewhat Important	6	16.2
		Not Important	2	5.4
RV dump station	33	Very Important	5	15.2
		Important	3	9.1
		Somewhat Important	6	18.2
		Not Important	19	57.6
Boat launch ramps	37	Very Important	21	56.8
		Important	8	21.6
		Somewhat Important	2	5.4
		Not Important	6	16.2
River put-in/take-out	34	Very Important	8	23.5
		Important	8	23.5
		Somewhat Important	6	17.6
		Not Important	12	35.3
Hiking trails	36	Very Important	11	30.6
		Important	13	36.1
		Somewhat Important	5	13.9
		Not Important	7	19.4

Table C-20. General Visitor Survey Results – Section A-1 – Background Section – Upper Hell Hole Campground (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate (continued)?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
OHV Trails	33	Very Important	5	15.2
		Important	4	12.1
		Somewhat Important	10	30.3
		Not Important	14	42.4
Mountain bike trails	37	Very Important	7	18.9
		Important	5	13.5
		Somewhat Important	13	35.1
		Not Important	12	32.4
Fishing access trails	37	Very Important	21	56.8
		Important	9	24.3
		Somewhat Important	3	8.1
		Not Important	4	10.8
Equestrian trails	33	Very Important	6	18.2
		Important	3	9.1
		Somewhat Important	5	15.2
		Not Important	19	57.6
Interpretive/ educational exhibits/information	34	Very Important	5	14.7
		Important	7	20.6
		Somewhat Important	9	26.5
		Not Important	13	38.2
Other	0	Very Important	-	-
		Important	-	-
		Somewhat Important	-	-
		Not Important	-	-

Table C-20. General Visitor Survey Results – Section A-1 – Background Section – Upper Hell Hole Campground (continued).

Q-12. Identify the activities you engaged in, or expect to engage in, during your trip to this area.

Total # of Respondents	Primary Activity	Frequency	Percent
24	Reservoir fishing	14	58.3
	Camping in developed sites	4	16.7
	Reservoir swimming/water-play/sun bathing	3	12.5
	Camping in undeveloped sites	1	4.2
	Driving for pleasure on roads	1	4.2
	Non-motorized reservoir boating (canoeing, kayaking, row boating)	1	4.2

Analytical Note: Respondents were asked to indicate one primary activity. Eighteen respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the 24 respondents who correctly answered the question.

Total # of Respondents	Secondary Activity	Frequency	Percent
24	Hiking/walking	5	20.8
	Reservoir swimming/water-play/sun bathing	5	20.8
	Camping in developed sites	4	16.7
	Relaxing	4	16.7
	Viewing wildlife, scenery photography, etc.	4	16.7
	Gold panning/dredging	2	8.3
	Picnicking in developed sites	2	8.3
	Rock hounding	2	8.3
	Stream swimming/water-play/sun bathing	2	8.3
	Bicycling on paved surfaces	1	4.2
	Camping in undeveloped sites	1	4.2
	Driving for pleasure on roads	1	4.2
	Hunting	1	4.2
	Non-motorized reservoir boating (canoeing, kayaking, row boating)	1	4.2
	Reservoir fishing	1	4.2
	Stream fishing	1	4.2
Visiting historical/cultural sites	1	4.2	

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-20. General Visitor Survey Results – Section A-1 – Background Section – Upper Hell Hole Campground (continued).

Q-13. Please rate the availability and adequacy of the following information resources.

Information Resources	Total # of Respondents	Possible Answers	Frequency	Percent
Interpretive/educational information	36	Acceptable	14	38.9
		Somewhat Acceptable	11	30.6
		Not Acceptable	2	5.6
		Not Applicable	9	25.0
Recreation visitor information	38	Acceptable	16	42.1
		Somewhat Acceptable	11	28.9
		Not Acceptable	3	7.9
		Not Applicable	8	21.1
Safety/warning information	37	Acceptable	16	43.2
		Somewhat Acceptable	10	27.0
		Not Acceptable	4	10.8
		Not Applicable	7	18.9
Reservoir water surface elevation information	36	Acceptable	13	36.1
		Somewhat Acceptable	12	33.3
		Not Acceptable	5	13.9
		Not Applicable	6	16.7
River/stream flow information	36	Acceptable	11	30.6
		Somewhat Acceptable	11	30.6
		Not Acceptable	6	16.7
		Not Applicable	8	22.2
Other	0	Acceptable	-	-
		Somewhat Acceptable	-	-
		Not Acceptable	-	-
		Not Applicable	-	-

Q-14. How would you rate your overall recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
38	Very Satisfied	13	34.2
	Satisfied	18	47.4
	Somewhat Satisfied	5	13.2
	Unsatisfied	1	2.6
	Very Unsatisfied	1	2.6

Table C-20. General Visitor Survey Results – Section A-1 – Background Section – Upper Hell Hole Campground (continued).

Q-15. Are there additional recreation facilities, amenities, or opportunities that would improve your recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
28	Yes	9	32.1
	No	19	67.9

Of the nine people who said “yes,” seven provided comments which are summarized below by category.

Facility/Amenity	Number of Comments	Percent of Total
Boat dock	2	28.6
Campsites closer to water	1	14.3
Drinking water	1	14.3
Informational	1	14.3
Restrooms	1	14.3
Snacks/food to purchase	1	14.3
TOTAL	7	100.0

Table C-21. General Visitor Survey Results – Section A-1 – Background Section – McGuire Boat Ramp, Parking, Picnic Area, and Beach.

Q-1. Did you engage in any of the following activities during your visit?

Total # of Respondents	Activity	Frequency	Percent
36	Reservoir recreation	21	58.3
	Camping at a developed site	15	41.7
	Fishing	14	38.9
	Day use along a stream/river	3	8.3
	Day use at a developed site	3	8.3
	Day use or camping in undeveloped areas	3	8.3

Analytical Note: Multiple responses were accepted.

Q-2. What type of vehicle did you drive to this area?

Total # of Respondents	Type of Vehicle	Frequency	Percent
35	Car/SUV/Truck	31	88.6
	Motorcycle	2	5.7
	Multiple Vehicles	1	2.9
	Camper/RV	0	-
	Other	1	2.9

Q-3. How many people were in your vehicle?

Total # of Respondents	Average # of people	Standard Deviation	Range (min.-max.)	Total # of People	Frequency	Percent
35	2.9	1.4	1-6	1	3	8.6
				2	16	45.7
				3	6	17.1
				4 or more	10	28.6

Q-4. How many people in your group are in the following age categories?

Total # of Respondents	Total # of People in Group	Age Category	Percent
35	144	Under 18	25.7
		18 or over	74.3

Table C-21. General Visitor Survey Results – Section A-1 – Background Section – McGuire Boat Ramp, Parking, Picnic Area, and Beach (continued).

Q-5. How many and what types of vehicles and trailers did your **group** bring?

Total # of Respondents	Vehicle or Trailer	Frequency ¹	Percent ¹	Average # per group ²
35	Car/pickup/SUV	30	85.7	3.6
	Motor home/RV	7	20.0	1.7
	Motorcycle	4	11.4	1.3
	Boat trailer	3	8.6	2.0
	Towed/Trailer Vehicle	3	8.6	1.0
	Travel trailer	1	2.9	-
	Utility trailer	1	2.9	2.0
	Horse trailer	0	-	-
	OHV	0	-	-
	Other	0	-	-

¹Includes all responses.

²Includes only responses that provided the number of vehicles in their group.

Q-6. Your place of residence (zip code):

Total # of Respondents	County in California	Frequency	Percent
35	Placer	15	42.9
	Sacramento	9	25.7
	El Dorado	3	8.6
	San Joaquin	2	5.7
	Santa Clara	1	2.9
	Santa Cruz	1	2.9
	San Francisco	1	2.9
	Location outside of California	Frequency	Percent
	Florida	1	2.9
	New York	1	2.9
	Ohio	1	2.9

Analytical Note: Counties were determined using zip codes provided by the respondent.

Table C-21. General Visitor Survey Results – Section A-1 – Background Section – McGuire Boat Ramp, Parking, Picnic Area, and Beach (continued).

Q-7. What year were you born?

Total # of Respondents	Average Age (years)	Standard Deviation	Age Range (min.-max.)	Age Categories (years)	Frequency	Percent
33	42.0	12.1	23-63	24 or younger	2	6.1
				25-39	11	33.3
				40-64	20	60.6
				65 or older	0	-

Analytical Note: Ages were determined using birth years provided by the survey respondent.

Q-8. Which cultural or ethnic group do you most closely identify with?

Total # of Respondents	Cultural or Ethnic Group	Frequency	Percent
35	White/Caucasian	28	80.0
	Hispanic or Latino	3	8.6
	Asian	1	2.9
	Native Hawaiian or Pacific Islander	1	2.9
	American Indian or Alaskan Native	0	-
	Black/African American	0	-
	Other/Multi-racial	2	5.7

Q-9. What is your primary spoken language?

Total # of Respondents	Primary Language	Frequency	Percent
32	English	30	93.8
	Russian	1	3.1
	Spanish	1	3.1

Table C-21. General Visitor Survey Results – Section A-1 – Background Section – McGuire Boat Ramp, Parking, Picnic Area, and Beach (continued).

Q-10. Identify the reasons why you chose this area to recreate?

Total # of Respondents	Primary Reason	Frequency	Percent
24	Scenic quality of the area	6	25.0
	Access to lake/reservoir	4	16.7
	Close to home	4	16.7
	Lack of crowding	3	12.5
	Access to river/stream	2	8.3
	Recreational activities/opportunities in the area	2	8.3
	Cost of facility access fee	0	-
	Presence of on-site manager/host	0	-
	Other	3	12.5

Analytical Note: Respondents were asked to indicate one primary reason for visiting the area. Twelve respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the 24 respondents who correctly answered the question.

Total # of Respondents	Secondary Reason	Frequency	Percent
25	Scenic quality of the area	11	44.0
	Lack of crowding	7	28.0
	Close to home	6	24.0
	Access to lake/reservoir	4	16.0
	Access to river/stream	3	12.0
	Recreational activities/opportunities in the area	3	12.0
	Cost of facility access fee	1	4.0
	Presence of on-site manager/host	1	4.0
	Other	1	4.0

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-21. General Visitor Survey Results – Section A-1 – Background Section – McGuire Boat Ramp, Parking, Picnic Area, and Beach (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
Developed campsites	33	Very Important	15	45.5
		Important	12	36.4
		Somewhat Important	4	12.1
		Not Important	2	6.1
Developed picnic sites	28	Very Important	8	28.6
		Important	9	32.1
		Somewhat Important	9	32.1
		Not Important	2	7.1
Flush restrooms	33	Very Important	15	45.5
		Important	9	27.3
		Somewhat Important	4	12.1
		Not Important	5	15.2
Drinking water	31	Very Important	17	54.8
		Important	9	29.0
		Somewhat Important	4	12.9
		Not Important	1	3.2
RV dump station	29	Very Important	6	20.7
		Important	8	27.6
		Somewhat Important	5	17.2
		Not Important	10	34.5
Boat launch ramps	30	Very Important	10	33.3
		Important	8	26.7
		Somewhat Important	3	10.0
		Not Important	9	30.0
River put-in/take-out	23	Very Important	4	17.4
		Important	7	30.4
		Somewhat Important	3	13.0
		Not Important	9	39.1
Hiking trails	26	Very Important	10	38.5
		Important	8	30.8
		Somewhat Important	5	19.2
		Not Important	3	11.5

Table C-21. General Visitor Survey Results – Section A-1 – Background Section – McGuire Boat Ramp, Parking, Picnic Area, and Beach (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate (continued)?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
OHV Trails	22	Very Important	3	13.6
		Important	5	22.7
		Somewhat Important	5	22.7
		Not Important	9	40.9
Mountain bike trails	26	Very Important	6	23.1
		Important	7	26.9
		Somewhat Important	4	15.4
		Not Important	9	34.6
Fishing access trails	30	Very Important	15	50.0
		Important	9	30.0
		Somewhat Important	4	13.3
		Not Important	2	6.7
Equestrian trails	24	Very Important	2	8.3
		Important	2	8.3
		Somewhat Important	5	20.8
		Not Important	15	62.5
Interpretive/ educational exhibits/information	24	Very Important	3	12.5
		Important	7	29.2
		Somewhat Important	4	16.7
		Not Important	10	41.7
Other	0	Very Important	-	-
		Important	-	-
		Somewhat Important	-	-
		Not Important	-	-

Table C-21. General Visitor Survey Results – Section A-1 – Background Section – McGuire Boat Ramp, Parking, Picnic Area, and Beach (continued).

Q-12. Identify the activities you engaged in, or expect to engage in, during your trip to this area.

Total # of Respondents	Primary Activity	Frequency	Percent
18	Reservoir fishing	6	33.3
	Camping in developed sites	5	27.8
	Picnicking in developed sites	2	11.1
	Mountain biking	1	5.6
	Non-motorized reservoir boating (canoeing, kayaking, row boating)	1	5.6
	Stream fishing	1	5.6
	Viewing wildlife, scenery photography, etc.	1	5.6
	Other	1	5.6

Analytical Note: Respondents were asked to indicate one primary activity. A total of 18 respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the 18 respondents who correctly answered the question.

Table C-21. General Visitor Survey Results – Section A-1 – Background Section – McGuire Boat Ramp, Parking, Picnic Area, and Beach (continued).

Q-12. Identify the activities you engaged in, or expect to engage in, during your trip to this area (continued).

Total # of Respondents	Secondary Activity	Frequency	Percent
19	Reservoir swimming/water-play/sun bathing	10	52.6
	Relaxing	8	42.1
	Reservoir fishing	8	42.1
	Hiking/walking	7	36.8
	Stream fishing	5	26.3
	Stream swimming/water-play/sun bathing	5	26.3
	Viewing wildlife, scenery photography, etc.	5	26.3
	Camping in developed sites	3	15.8
	Driving for pleasure on roads	3	15.8
	Non-motorized reservoir boating (canoeing, kayaking, row boating)	2	10.5
	Visiting historical/cultural sites	2	10.5
	Bicycling on paved surfaces	1	5.3
	Gold panning/dredging	1	5.3
	Mountain biking	1	5.3
	Picnicking in developed sites	1	5.3
	Picnicking in undeveloped sites	1	5.3
	Rock hounding	1	5.3
	Sports/games/field activities	1	5.3
	Whitewater boating (rafting, kayaking, canoeing)	1	5.3
	Wood cutting	1	5.3
Other	1	5.3	

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-21. General Visitor Survey Results – Section A-1 – Background Section – McGuire Boat Ramp, Parking, Picnic Area, and Beach (continued).

Q-13. Please rate the availability and adequacy of the following information resources.

Information Resources	Total # of Respondents	Possible Answers	Frequency	Percent
Interpretive/educational information	30	Acceptable	12	40.0
		Somewhat Acceptable	5	16.7
		Not Acceptable	4	13.3
		Not Applicable	9	30.0
Recreation visitor information	32	Acceptable	17	53.1
		Somewhat Acceptable	4	12.5
		Not Acceptable	4	12.5
		Not Applicable	7	21.9
Safety/warning information	29	Acceptable	16	55.2
		Somewhat Acceptable	5	17.2
		Not Acceptable	3	10.3
		Not Applicable	5	17.2
Reservoir water surface elevation information	27	Acceptable	10	37.0
		Somewhat Acceptable	6	22.2
		Not Acceptable	4	14.8
		Not Applicable	7	25.9
River/stream flow information	30	Acceptable	10	33.3
		Somewhat Acceptable	7	23.3
		Not Acceptable	6	20.0
		Not Applicable	7	23.3
Other	0	Acceptable	-	-
		Somewhat Acceptable	-	-
		Not Acceptable	-	-
		Not Applicable	-	-

Q-14. How would you rate your overall recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
34	Very Satisfied	18	52.9
	Satisfied	14	41.2
	Somewhat Satisfied	2	5.9
	Unsatisfied	0	-
	Very Unsatisfied	0	-

Table C-21. General Visitor Survey Results – Section A-1 – Background Section – McGuire Boat Ramp, Parking, Picnic Area, and Beach (continued).

Q-15. Are there additional recreation facilities, amenities, or opportunities that would improve your recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
19	Yes	6	31.6
	No	13	68.4

Of the six people who said “yes”, five provided comments which are summarized below by category. Some respondents provided comments that described multiple categories; therefore the total number of comments exceeds the total number of respondents.

Facility/Amenity	# of Comments	Percent of Total
More Information	2	28.6
Restrooms	2	28.6
Drinking Water	1	14.3
More Storage	1	14.3
Safety	1	14.3
TOTAL	7	100.0

Table C-22. General Visitor Survey Results – Section A-1 – Background Section – Duncan Creek Diversion Area.

There are no developed recreation facilities in the Duncan Creek Diversion area. However, surveys were conducted at the following DCUAs identified by the stakeholders.

- Area North of Duncan Creek Diversion
- Area Near Duncan Creek Gage and Weir
- Area Near New Bridge Crossing Duncan Creek

Q-1. Did you engage in any of the following activities during your visit?

Total # of Respondents	Activity	Frequency	Percent
5	Day use or camping in undeveloped areas	5	100.0
	Day use along a stream/river	1	20.0
	Fishing	1	20.0
	Camping at a developed site	0	-
	Day use at a developed site	0	-
	Reservoir recreation	0	-

Analytical Note: Multiple responses were accepted.

Q-2. What type of vehicle did you drive to this area?

Total # of Respondents	Type of Vehicle	Frequency	Percent
5	Car/SUV/Truck	5	100.0
	Camper/RV	0	-
	Motorcycle	0	-
	Other	0	-

Q-3. How many people were in your vehicle?

Total # of Respondents	Average # of people	Standard Deviation	Range (min.-max.)	Total # of People	Frequency	Percent
5	2.0	0.0	2-2	1	-	-
				2	5	100.0
				3	-	-
				4 or more	-	-

Table C-22. General Visitor Survey Results – Section A-1 – Background Section – Duncan Creek Diversion Area (continued).

Q-4. How many people in your group are in the following age categories?

Total # of Respondents	Age Category	Percent
5	Under 18	0%
	18 or over	100%

Q-5. How many and what types of vehicles and trailers did your **group** bring?

Total # of Respondents	Vehicle or Trailer	Frequency ¹	Percent ¹	Average # per group ²
5	Car/pickup/SUV	5	100.0	3.8
	Towed/Trailer Vehicle	1	20.0	-
	Utility trailer	1	20.0	-
	Motor home/RV	0	-	-
	Motorcycle	0	-	-
	OHV	0	-	-
	Travel trailer	0	-	-
	Boat trailer	0	-	-
	Horse trailer	0	-	-
	Other	0	-	-

¹Includes all responses.

²Includes only responses that provided the number of vehicles in their group.

Q-6. Your place of residence (zip code):

Total # of Respondents	County in California	Frequency	Percent
5	Sacramento	3	60.0
	Placer	2	40.0

Analytical Note: Counties were determined using zip codes provided by the respondent.

Table C-22. General Visitor Survey Results – Section A-1 – Background Section – Duncan Creek Diversion Area (continued).

Q-7. What year were you born?

Total # of Respondents	Average Age (years)	Standard Deviation	Age Range (min.-max.)	Age Categories (years)	Frequency	Percent
4	35.8	22.3	21-69	24 or younger	1	25.0
				25-39	2	50.0
				40-64	0	-
				65 or older	1	25.0

Analytical Note: Ages were determined using birth years provided by the survey respondent.

Q-8. Which cultural or ethnic group do you most closely identify with?

Total # of Respondents	Cultural or Ethnic Group	Frequency	Percent
4	White/Caucasian	2	50.0
	Hispanic or Latino	1	25.0
	American Indian or Alaskan Native	0	-
	Asian	0	-
	Black/African American	0	-
	Native Hawaiian or Pacific Islander	0	-
	Other/Multi-racial	1	25.0

Q-9. What is your primary spoken language?

Total # of Respondents	Primary Language	Frequency	Percent
4	English	4	100.0

Table C-22. General Visitor Survey Results – Section A-1 – Background Section – Duncan Creek Diversion Area (continued).

Q-10. Identify the reasons why you chose this area to recreate?

Total # of Respondents	Primary Reason	Frequency	Percent
3	Access to river/stream	1	33.3
	Access to lake/reservoir	0	-
	Close to home	0	-
	Cost of facility access fee	0	-
	Lack of crowding	0	-
	Presence of on-site manager/host	0	-
	Recreational activities/opportunities in the area	0	-
	Scenic quality of the area	0	-
	Other	2	66.7

Analytical Note: Respondents were asked to indicate one primary reason for visiting the area. Two respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the 3 respondents who correctly answered the question.

Total # of Respondents	Secondary Reason	Frequency	Percent
3	Cost of facility access fee	2	66.7
	Lack of crowding	2	66.7
	Close to home	1	33.3
	Access to lake/reservoir	0	-
	Access to river/stream	0	-
	Presence of on-site manager/host	0	-
	Recreational activities/opportunities in the area	0	-
	Scenic quality of the area	0	-
	Other	0	-

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-22. General Visitor Survey Results – Section A-1 – Background Section – Duncan Creek Diversion Area (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
Developed campsites	5	Very Important	0	-
		Important	3	60.0
		Somewhat Important	1	20.0
		Not Important	1	20.0
Developed picnic sites	5	Very Important	0	-
		Important	1	20.0
		Somewhat Important	3	60.0
		Not Important	1	20.0
Flush restrooms	5	Very Important	2	40.0
		Important	1	20.0
		Somewhat Important	1	20.0
		Not Important	1	20.0
Drinking water	5	Very Important	3	60.0
		Important	0	-
		Somewhat Important	1	20.0
		Not Important	1	20.0
RV dump station	5	Very Important	0	-
		Important	0	-
		Somewhat Important	0	-
		Not Important	5	100.0
Boat launch ramps	5	Very Important	0	-
		Important	0	-
		Somewhat Important	0	-
		Not Important	5	100.0
River put-in/take-out	5	Very Important	0	-
		Important	0	-
		Somewhat Important	3	60.0
		Not Important	2	40.0
Hiking trails	5	Very Important	3	60.0
		Important	1	20.0
		Somewhat Important	0	-
		Not Important	1	20.0

Table C-22. General Visitor Survey Results – Section A-1 – Background Section – Duncan Creek Diversion Area (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate (continued)?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
OHV Trails	5	Very Important	0	-
		Important	0	-
		Somewhat Important	0	-
		Not Important	5	100.0
Mountain bike trails	5	Very Important	0	-
		Important	0	-
		Somewhat Important	3	60.0
		Not Important	2	40.0
Fishing access trails	4	Very Important	0	-
		Important	0	-
		Somewhat Important	3	75.0
		Not Important	1	25.0
Equestrian trails	4	Very Important	0	-
		Important	1	25.0
		Somewhat Important	2	50.0
		Not Important	1	25.0
Interpretive/ educational exhibits/information	4	Very Important	1	25.0
		Important	1	25.0
		Somewhat Important	1	25.0
		Not Important	1	25.0
Other	0	Very Important	-	-
		Important	-	-
		Somewhat Important	-	-
		Not Important	-	-

Table C-22. General Visitor Survey Results – Section A-1 – Background Section – Duncan Creek Diversion Area (continued).

Q-12. Identify the activities you engaged in, or expect to engage in, during your trip to this area.

Total # of Respondents	Primary Activity	Frequency	Percent
1	Camping in developed site	1	100.0

Analytical Note: Respondents were asked to indicate one primary activity. Four respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the one respondent who correctly answered the question.

Total # of Respondents	Secondary Activity	Frequency	Percent
1	Hiking/walking	1	100.0
	Relaxing	1	100.0
	Viewing wildlife, scenery photography, etc.	1	100.0

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-22. General Visitor Survey Results – Section A-1 – Background Section – Duncan Creek Diversion Area (continued).

Q-13. Please rate the availability and adequacy of the following information resources.

Information Resources	Total # of Respondents	Possible Answers	Frequency	Percent
Interpretive/educational information	4	Acceptable	0	-
		Somewhat Acceptable	0	-
		Not Acceptable	0	-
		Not Applicable	4	100.0
Recreation visitor information	4	Acceptable	0	-
		Somewhat Acceptable	0	-
		Not Acceptable	0	-
		Not Applicable	4	100.0
Safety/warning information	4	Acceptable	0	-
		Somewhat Acceptable	0	-
		Not Acceptable	0	-
		Not Applicable	4	100.0
Reservoir water surface elevation information	4	Acceptable	0	-
		Somewhat Acceptable	0	-
		Not Acceptable	0	-
		Not Applicable	4	100.0
River/stream flow information	4	Acceptable	0	-
		Somewhat Acceptable	1	25.0
		Not Acceptable	0	-
		Not Applicable	3	75.0
Other	0	Acceptable	-	-
		Somewhat Acceptable	-	-
		Not Acceptable	-	-
		Not Applicable	-	-

Q-14. How would you rate your overall recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
5	Very Satisfied	1	20.0
	Satisfied	4	80.0
	Somewhat Satisfied	0	-
	Unsatisfied	0	-
	Very Unsatisfied	0	-

Table C-22. General Visitor Survey Results – Section A-1 – Background Section – Duncan Creek Diversion Area (continued).

Q-15. Are there additional recreation facilities, amenities, or opportunities that would improve your recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
2	Yes	1	50.0
	No	1	50.0

Facility/Amenity	# of Comments	Percent of Total
More Trails/Better Access	1	100.0

Table C-23. General Visitor Survey Results – Section A-4 – Day Use or Camping in Undeveloped Areas – Duncan Creek Diversion Area.

Q-1. The stakeholders identified the following DCUAs in the Duncan Creek Diversion area:

- Area North of Duncan Creek Diversion
- Area Near Duncan Creek Gage and Weir
- Area Near New Bridge Crossing Duncan Creek

These three areas were included in the survey effort. A total of four people who camped in the Duncan Creek Diversion area completed Section A-4 of the survey instrument.

Q-2. Primary location:

Undeveloped Area	Frequency	Percent
Duncan Creek Area	4	100.0

Q-3. How long did you, or will you, stay at the area identified above?

If day use only, how many hours:

Total # of Respondents	Average # of Hours	Standard Deviation	Range (Min. – Max.)
0	-	-	-

If camping, how many nights:

Total # of Respondents	Average # of Nights	Standard Deviation	Range (Min. – Max.)
4	2.8	0.5	2-3

Q-4. If you camped, what was your method of camping?

Total # of Respondents	Camping Method	Frequency	Percent
4	Tent	4	100.0

Q-5. Was your recreation experience **negatively** affected by:

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Crowding	4	Yes	0	-
		No	4	100.0
Other activities taking place	4	Yes	0	-
		No	4	100.0

Table C-23. General Visitor Survey Results – Section A-4 – Day Use or Camping in Undeveloped Areas – Duncan Creek Diversion Area (continued).

Q-6. How would you rate your overall experience at the undeveloped area identified above?

Total # of Respondents	Possible Answers	Frequency	Percent
4	Very Satisfied	1	25.0
	Satisfied	3	75.0
	Somewhat Satisfied	0	-
	Unsatisfied	0	-
	Very Unsatisfied	0	-

Table C-24. General Visitor Survey Results – Section A-1 – Background Section – Middle Meadows Group Campground.

Q-1. Did you engage in any of the following activities during your visit?

Total # of Respondents	Activity	Frequency	Percent
52	Camping at a developed site	52	100.0
	Reservoir recreation	9	17.3
	Fishing	7	13.5
	Day use along a stream/river	2	3.8
	Day use at a developed site	2	3.8
	Day use or camping in undeveloped areas	2	3.8

Analytical Note: Multiple responses were accepted.

Q-2. What type of vehicle did you drive to this area?

Total # of Respondents	Type of Vehicle	Frequency	Percent
51	Car/SUV/Truck	49	96.1
	Camper/RV	1	2.0
	Motorcycle	0	-
	Multiple Vehicles	0	-
	Other	1	2.0

Q-3. How many people were in your vehicle?

Total # of Respondents	Average # of people	Standard Deviation	Range (min.-max.)	Total # of People	Frequency	Percent
50	3.4	1.9	1-14	1	2	4.0
				2	14	28.0
				3	17	34.0
				4 or more	17	34.0

Q-4. How many people in your group are in the following age categories?

Total # of Respondents	Total # of People in Group	Age Category	Percent
52	794	Under 18	21.4
		18 or over	78.6

Table C-24. General Visitor Survey Results – Section A-1 – Background Section – Middle Meadows Group Campground (continued).

Q-5. How many and what types of vehicles and trailers did your **group** bring?

Total # of Respondents	Vehicle or Trailer	Frequency ¹	Percent ¹	Average # per group ²
51	Car/pickup/SUV	48	94.1	5.2
	Towed/Trailered Vehicle	3	5.9	2.0
	Travel trailer	3	5.9	1.5
	Motor home/RV	2	3.9	8.0
	Boat trailer	1	2.0	1.0
	Utility trailer	1	2.0	-
	Horse trailer	0	-	-
	Motorcycle	0	-	-
	OHV	0	-	-
	Other	0	-	-

¹Includes all responses.

²Includes only responses that provided the number of vehicles in their group.

Q-6. Your place of residence (zip code):

Total # of Respondents	County in California	Frequency	Percent
50	Sacramento	19	38.0
	Placer	15	30.0
	San Francisco	6	12.0
	El Dorado	3	6.0
	Contra Costa	2	4.0
	Nevada	1	2.0
	Santa Clara	1	2.0
	Santa Cruz	1	2.0
	Yolo	1	2.0
	Location outside of California	Frequency	Percent
	Clark, NV	1	2.0

Analytical Note: Counties were determined using zip codes provided by the respondent.

Table C-24. General Visitor Survey Results – Section A-1 – Background Section – Middle Meadows Group Campground (continued).

Q-7. What year were you born?

Total # of Respondents	Average Age (years)	Standard Deviation	Age Range (min.-max.)	Age Categories (years)	Frequency	Percent
47	40.6	13.9	19-68	24 or younger	8	17.0
				25-39	12	25.5
				40-64	25	53.2
				65 or older	2	4.3

Analytical Note: Ages were determined using birth years provided by the survey respondent.

Q-8. Which cultural or ethnic group do you most closely identify with?

Total # of Respondents	Cultural or Ethnic Group	Frequency	Percent
52	White/Caucasian	31	59.6
	Asian	14	26.9
	American Indian or Alaskan Native	1	1.9
	Black/African American	1	1.9
	Hispanic or Latino	1	1.9
	Native Hawaiian or Pacific Islander	0	-
	Other/Multi-racial	4	7.7

Q-9. What is your primary spoken language?

Total # of Respondents	Primary Language	Frequency	Percent
47	English	37	78.7
	Hmong	6	12.8
	Vietnamese	3	6.4
	French	1	2.1

Table C-24. General Visitor Survey Results – Section A-1 – Background Section – Middle Meadows Group Campground (continued).

Q-10. Identify the reasons why you chose this area to recreate?

Total # of Respondents	Primary Reason	Frequency	Percent
30	Scenic quality of the area	10	33.3
	Close to home	6	20.0
	Lack of crowding	5	16.7
	Cost of facility access fee	2	6.7
	Recreational activities/opportunities in the area	2	6.7
	Access to river/stream	1	3.3
	Access to lake/reservoir	0	-
	Presence of on-site manager/host	0	-
	Other	4	13.3

Analytical Note: Respondents were asked to indicate one primary reason for visiting the area. Twenty-two respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the thirty respondents who correctly answered the question.

Total # of Respondents	Secondary Reason	Frequency	Percent
31	Recreational activities/opportunities in the area	15	48.4
	Lack of crowding	12	38.7
	Cost of facility access fee	11	35.5
	Scenic quality of the area	10	32.3
	Access to lake/reservoir	8	25.8
	Access to river/stream	8	25.8
	Close to home	4	12.9
	Presence of on-site manager/host	4	12.9
	Other	3	9.7

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-24. General Visitor Survey Results – Section A-1 – Background Section – Middle Meadows Group Campground (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
Developed campsites	50	Very Important	29	58.0
		Important	17	34.0
		Somewhat Important	3	6.0
		Not Important	1	2.0
Developed picnic sites	47	Very Important	24	51.1
		Important	14	29.8
		Somewhat Important	8	17.0
		Not Important	1	2.1
Flush restrooms	49	Very Important	23	46.9
		Important	9	18.4
		Somewhat Important	12	24.5
		Not Important	5	10.2
Drinking water	47	Very Important	22	46.8
		Important	12	25.5
		Somewhat Important	10	21.3
		Not Important	3	6.4
RV dump station	38	Very Important	3	7.9
		Important	4	10.5
		Somewhat Important	6	15.8
		Not Important	25	65.8
Boat launch ramps	39	Very Important	4	10.3
		Important	3	7.7
		Somewhat Important	9	23.1
		Not Important	23	59.0
River put-in/take-out	37	Very Important	6	16.2
		Important	6	16.2
		Somewhat Important	6	16.2
		Not Important	19	51.4
Hiking trails	49	Very Important	21	42.9
		Important	18	36.7
		Somewhat Important	8	16.3
		Not Important	2	4.1

Table C-24. General Visitor Survey Results – Section A-1 – Background Section – Middle Meadows Group Campground (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate (continued)?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
OHV Trails	38	Very Important	8	21.1
		Important	5	13.2
		Somewhat Important	5	13.2
		Not Important	20	52.6
Mountain bike trails	42	Very Important	12	28.6
		Important	7	16.7
		Somewhat Important	5	11.9
		Not Important	18	42.9
Fishing access trails	43	Very Important	12	27.9
		Important	9	20.9
		Somewhat Important	4	9.3
		Not Important	18	41.9
Equestrian trails	41	Very Important	4	9.8
		Important	7	17.1
		Somewhat Important	5	12.2
		Not Important	25	61.0
Interpretive/ educational exhibits/information	39	Very Important	7	17.9
		Important	5	12.8
		Somewhat Important	7	17.9
		Not Important	20	51.3
Other	0	Very Important	-	-
		Important	-	-
		Somewhat Important	-	-
		Not Important	-	-

Table C-24. General Visitor Survey Results – Section A-1 – Background Section – Middle Meadows Group Campground (continued).

Q-12. Identify the activities you engaged in, or expect to engage in, during your trip to this area.

Total # of Respondents	Primary Activity	Frequency	Percent
18	Camping in developed sites	10	55.6
	Picnicking in developed sites	3	16.7
	Hiking/walking	1	5.6
	OHV travel/use	1	5.6
	Relaxing	1	5.6
	Reservoir fishing	1	5.6
	Reservoir swimming/water-play/sun bathing	1	5.6

Analytical Note: Respondents were asked to indicate one primary activity. A total of thirty-four respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the eighteen respondents who correctly answered the question.

Total # of Respondents	Secondary Activity	Frequency	Percent
18	Hiking/walking	10	55.6
	Picnicking in developed sites	9	50.0
	Relaxing	9	50.0
	Reservoir swimming/water-play/sun bathing	8	44.4
	Camping in developed sites	6	33.3
	Viewing wildlife, scenery photography, etc.	5	27.8
	Reservoir fishing	4	22.2
	Stream swimming/water-play/sun bathing	4	22.2
	Camping in undeveloped sites	2	11.1
	Driving for pleasure on roads	2	11.1
	Mountain biking	2	11.1
	Picnicking in undeveloped sites	2	11.1
	Visiting historical/cultural sites	2	11.1
	Non-motorized reservoir boating (canoeing, kayaking, row boating)	1	5.6
Whitewater boating (rafting, kayaking, canoeing)	1	5.6	

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-24. General Visitor Survey Results – Section A-1 – Background Section – Middle Meadows Group Campground (continued).

Q-13. Please rate the availability and adequacy of the following information resources.

Information Resources	Total # of Respondents	Possible Answers	Frequency	Percent
Interpretive/educational information	42	Acceptable	13	31.0
		Somewhat Acceptable	11	26.2
		Not Acceptable	1	2.4
		Not Applicable	17	40.5
Recreation visitor information	45	Acceptable	16	35.6
		Somewhat Acceptable	16	35.6
		Not Acceptable	0	-
		Not Applicable	13	28.9
Safety/warning information	46	Acceptable	22	47.8
		Somewhat Acceptable	15	32.6
		Not Acceptable	3	6.5
		Not Applicable	6	13.0
Reservoir water surface elevation information	43	Acceptable	14	32.6
		Somewhat Acceptable	14	32.6
		Not Acceptable	1	2.3
		Not Applicable	14	32.6
River/stream flow information	42	Acceptable	12	28.6
		Somewhat Acceptable	13	31.0
		Not Acceptable	4	9.5
		Not Applicable	13	31.0
Other	1	Acceptable	0	-
		Somewhat Acceptable	0	-
		Not Acceptable	1	100.0
		Not Applicable	0	-

Q-14. How would you rate your overall recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
51	Very Satisfied	23	45.1
	Satisfied	23	45.1
	Somewhat Satisfied	5	9.8
	Unsatisfied	0	-
	Very Unsatisfied	0	-

Table C-24. General Visitor Survey Results – Section A-1 – Background Section – Middle Meadows Group Campground (continued).

Q-15. Are there additional recreation facilities, amenities, or opportunities that would improve your recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
40	Yes	12	30.0
	No	28	70.0

Of the twelve people who said “yes”, eleven provided comments which are summarized below by category. One respondent provided comments that described multiple categories; therefore the total number of comments exceeds the total number of respondents.

Facility/Amenity	Number of Comments	Percent of Total
Showers	7	58.3
Better Access	1	8.3
Campfires	1	8.3
More Signage	1	8.3
Roads	1	8.3
Unsatisfactory fishing	1	8.3
Total	12	100.0

Table C-25. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Middle Meadows Group Campground.

Q-1. A total of fifty-two people who participated in the General Visitor Survey indicated that they camped at Middle Meadows Group Campground.

Q-2. Name of primary campground used:

Campground	Frequency	Percent
Middle Meadows Group Campground	52	100.0

Q-3. How many nights will you camp during this visit?

Total # of Respondents	Average # of Nights	Standard Deviation	Range (Min. – Max.)
51	2.1	0.8	1-4

Q-4a. Were you able to camp at your first choice campground?

Total # of Respondents	Possible Answers	Frequency	Percent
50	Yes	49	98.0
	No	1	2.0

Q-4b. If no, what was your first choice campground?

The respondent who indicated that they were not able to camp at their first choice campground did not specify their preferred campground.

Q-5. What was your method of camping?

Total # of Respondents	Camping Method	Frequency	Percent
51	Tent	46	90.2
	Multiple methods	3	5.9
	Recreational vehicle less than 25 feet	2	3.9
	Recreational vehicle 25-35 feet	0	-
	Recreational vehicle longer than 35 feet	0	-
	Tent trailer	0	-
	Trailer 25-35 feet	0	-
	Trailer less than 25 feet	0	-
	Trailer longer than 35 feet	0	-
	Other	0	-

Table C-25. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Middle Meadows Group Campground (continued).

Q-6. Please rate the following factors at the campground identified above.

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Campsite availability	50	Acceptable	46	92.0
		Somewhat Acceptable	4	8.0
		Not Acceptable	0	-
Campsite condition	49	Acceptable	45	91.8
		Somewhat Acceptable	4	8.2
		Not Acceptable	0	-
Campsite cleanliness	49	Acceptable	44	89.8
		Somewhat Acceptable	5	10.2
		Not Acceptable	0	-
Adequacy of campsite screening	43	Acceptable	34	79.1
		Somewhat Acceptable	9	20.9
		Not Acceptable	0	-
Adequacy of campsite shading	45	Acceptable	37	82.2
		Somewhat Acceptable	8	17.8
		Not Acceptable	0	-
Restroom condition	49	Acceptable	41	83.7
		Somewhat Acceptable	8	16.3
		Not Acceptable	0	-
Restroom cleanliness	49	Acceptable	43	87.8
		Somewhat Acceptable	6	12.2
		Not Acceptable	0	-
Drinking water availability	48	Acceptable	37	77.1
		Somewhat Acceptable	8	16.7
		Not Acceptable	3	6.2
Trash disposal	47	Acceptable	44	93.6
		Somewhat Acceptable	3	6.4
		Not Acceptable	0	-
Parking availability	49	Acceptable	37	75.5
		Somewhat Acceptable	11	22.4
		Not Acceptable	1	2.0
Parking area condition	47	Acceptable	40	85.1
		Somewhat Acceptable	5	10.6
		Not Acceptable	2	4.3

Table C-25. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Middle Meadows Group Campground (continued).

Q-6. Please rate the following factors at the campground identified above (continued).

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Adequacy of food storage lockers	47	Acceptable	42	89.4
		Somewhat Acceptable	5	10.6
		Not Acceptable	0	-
Condition of food storage lockers	49	Acceptable	44	89.8
		Somewhat Acceptable	5	10.2
		Not Acceptable	0	-
Parking spur size	45	Acceptable	34	75.6
		Somewhat Acceptable	10	22.2
		Not Acceptable	1	2.2
Road condition in campground	49	Acceptable	33	67.3
		Somewhat Acceptable	13	26.5
		Not Acceptable	3	6.1
Adequacy of road size in campground	48	Acceptable	36	75.0
		Somewhat Acceptable	9	18.8
		Not Acceptable	3	6.2
Cost of campground fee	48	Acceptable	41	85.4
		Somewhat Acceptable	6	12.5
		Not Acceptable	1	2.1
Adequacy of law enforcement personnel	42	Acceptable	25	59.5
		Somewhat Acceptable	16	38.1
		Not Acceptable	1	2.4
Other	1	Acceptable	0	-
		Somewhat Acceptable	0	-
		Not Acceptable	1	100.0

Table C-25. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Middle Meadows Group Campground (continued).

Q-7. Were the services and/or facilities at the campground you identified above adequate for any physically impaired person in your party?

Total # of Respondents	Possible Answers	Frequency	Percent
46	Not applicable	25	54.3
	Yes	17	37.0
	No	4	8.7

Q-8. Was your recreation experience negatively affected by:

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Crowding	44	Yes	0	-
		No	44	100.0
Other activities taking place	40	Yes	5	12.5
		No	35	87.5

Q-9. How would you rate your overall experience at the campground identified above?

Total # of Respondents	Possible Answers	Frequency	Percent
47	Very Satisfied	22	46.8
	Satisfied	19	40.4
	Somewhat Satisfied	6	12.8
	Unsatisfied	0	-
	Very Unsatisfied	0	-

Table C-26. General Visitor Survey Results – Section A-1 – Background Section – Ralston Picnic Area and Cartop Boat Ramp.

Q-1. Did you engage in any of the following activities during your visit?

Total # of Respondents	Activity	Frequency	Percent
41	Day use along a stream/river	24	58.5
	Fishing	18	43.9
	Reservoir recreation	14	34.1
	Day use or camping in undeveloped areas	4	8.2
	Day use at a developed site	2	4.9
	Camping at a developed site	0	-

Analytical Note: Multiple responses were accepted.

Q-2. What type of vehicle did you drive to this area?

Total # of Respondents	Type of Vehicle	Frequency	Percent
41	Car/SUV/Truck	38	92.7
	Camper/RV	2	4.9
	Motorcycle	0	-
	Multiple Vehicles	0	-
	Other	1	2.4

Q-3. How many people were in your vehicle?

Total # of Respondents	Average # of people	Standard Deviation	Range (min.-max.)	Total # of People	Frequency	Percent
41	3.3	3.0	1-20	1	3	7.3
				2	17	41.5
				3	10	24.4
				4 or more	11	26.8

Q-4. How many people in your group are in the following age categories?

Total # of Respondents	Total # of People in Group	Age Category	Percent
41	144	Under 18	14.6
		18 or over	85.4

Table C-26. General Visitor Survey Results – Section A-1 – Background Section – Ralston Picnic Area and Cartop Boat Ramp (continued).

Q-5. How many and what types of vehicles and trailers did your **group** bring?

Total # of Respondents	Vehicle or Trailer	Frequency ¹	Percent ¹	Average # per group ²
39	Car/pickup/SUV	35	89.7	1.3
	Boat trailer	5	12.8	1.0
	Towed/Trailer Vehicle	2	5.1	1.0
	Motorcycle	1	2.6	-
	Motor home/RV	1	2.6	4.0
	OHV	1	2.6	1.0
	Travel trailer	1	2.6	-
	Utility trailer	1	2.6	-
	Horse trailer	0	-	-
	Other	0	-	-

¹Includes all responses.

²Includes only responses that provided the number of vehicles in their group.

Q-6. Your place of residence (zip code):

Total # of Respondents	County in California	Frequency	Percent
39	Placer	19	48.7
	Sacramento	14	35.9
	Solano	2	5.1
	Del Norte	1	2.6
	El Dorado	1	2.6
	Nevada	1	2.6
	Location outside of California	Frequency	Percent
	Oregon	1	2.6

Analytical Note: Counties were determined using zip codes provided by the respondent.

Table C-26. General Visitor Survey Results – Section A-1 – Background Section – Ralston Picnic Area and Cartop Boat Ramp (continued).

Q-7. What year were you born?

Total # of Respondents	Average Age (years)	Standard Deviation	Age Range (min.-max.)	Age Categories (years)	Frequency	Percent
39	45.0	11.1	27-66	24 or younger	0	-
				25-39	16	41.0
				40-64	22	56.4
				65 or older	1	2.6

Analytical Note: Ages were determined using birth years provided by the survey respondent.

Q-8. Which cultural or ethnic group do you most closely identify with?

Total # of Respondents	Cultural or Ethnic Group	Frequency	Percent
40	White/Caucasian	36	90.0
	Hispanic or Latino	2	5.0
	American Indian or Alaskan Native	1	2.5
	Native Hawaiian or Pacific Islander	1	2.5
	Asian	0	-
	Black/African American	0	-
	Other/Multi-racial	0	-

Q-9. What is your primary spoken language?

Total # of Respondents	Primary Language	Frequency	Percent
27	English	26	96.3
	Multiple	1	3.7

Table C-26. General Visitor Survey Results – Section A-1 – Background Section – Ralston Picnic Area and Cartop Boat Ramp (continued).

Q-10. Identify the reasons why you chose this area to recreate?

Total # of Respondents	Primary Reason	Frequency	Percent
25	Close to home	5	20.0
	Scenic quality of the area	5	20.0
	Access to lake/reservoir	4	16.0
	Access to river/stream	4	16.0
	Lack of crowding	3	12.0
	Recreational activities/opportunities in the area	1	4.0
	Cost of facility access fee	0	-
	Presence of on-site manager/host	0	-
	Other	3	12.0

Analytical Note: Respondents were asked to indicate one primary reason for visiting the area. Sixteen respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the 25 respondents who correctly answered the question.

Total # of Respondents	Secondary Reason	Frequency	Percent
25	Lack of crowding	11	44.0
	Access to river/stream	10	40.0
	Close to home	9	36.0
	Scenic quality of the area	8	32.0
	Recreational activities/opportunities in the area	7	28.0
	Access to lake/reservoir	6	24.0
	Cost of facility access fee	6	24.0
	Presence of on-site manager/host	2	8.0
	Other	1	4.0

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-26. General Visitor Survey Results – Section A-1 – Background Section – Ralston Picnic Area and Cartop Boat Ramp (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
Developed campsites	34	Very Important	6	17.6
		Important	6	17.6
		Somewhat Important	5	14.7
		Not Important	17	50.0
Developed picnic sites	34	Very Important	6	17.6
		Important	4	11.8
		Somewhat Important	10	29.4
		Not Important	14	41.2
Flush restrooms	34	Very Important	11	32.4
		Important	3	8.8
		Somewhat Important	5	14.7
		Not Important	15	44.1
Drinking water	35	Very Important	10	28.6
		Important	6	17.1
		Somewhat Important	6	17.1
		Not Important	13	37.1
RV dump station	31	Very Important	2	6.5
		Important	3	9.7
		Somewhat Important	3	9.7
		Not Important	23	74.2
Boat launch ramps	34	Very Important	11	32.4
		Important	8	23.5
		Somewhat Important	1	2.9
		Not Important	14	41.2
River put-in/take-out	33	Very Important	10	30.3
		Important	8	24.2
		Somewhat Important	3	9.1
		Not Important	12	36.4
Hiking trails	34	Very Important	11	32.4
		Important	10	29.4
		Somewhat Important	5	14.7
		Not Important	8	23.5

Table C-26. General Visitor Survey Results – Section A-1 – Background Section – Ralston Picnic Area and Cartop Boat Ramp (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate (continued)?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
OHV Trails	31	Very Important	7	22.6
		Important	3	9.7
		Somewhat Important	3	9.7
		Not Important	18	58.1
Mountain bike trails	32	Very Important	3	9.4
		Important	2	6.2
		Somewhat Important	4	12.5
		Not Important	23	71.9
Fishing access trails	38	Very Important	20	52.6
		Important	5	13.2
		Somewhat Important	4	10.5
		Not Important	9	23.7
Equestrian trails	32	Very Important	3	9.4
		Important	2	6.2
		Somewhat Important	6	18.8
		Not Important	21	65.6
Interpretive/ educational exhibits/information	33	Very Important	6	18.2
		Important	0	-
		Somewhat Important	8	24.2
		Not Important	19	57.6
Other	0	Very Important	-	-
		Important	-	-
		Somewhat Important	-	-
		Not Important	-	-

Table C-26. General Visitor Survey Results – Section A-1 – Background Section – Ralston Picnic Area and Cartop Boat Ramp (continued).

Q-12. Identify the activities you engaged in, or expect to engage in, during your trip to this area.

Total # of Respondents	Primary Activity	Frequency	Percent
24	Reservoir fishing	6	25.0
	Stream fishing	6	25.0
	Non-motorized reservoir boating (canoeing, kayaking, row boating)	4	16.7
	Camping in undeveloped sites	2	8.3
	Picnicking in undeveloped sites	1	4.2
	Relaxing	1	4.2
	Reservoir swimming/water-play/sun bathing	1	4.2
	Stream swimming/water-play/sun bathing	1	4.2
	Water skiing, wake boarding	1	4.2
	Other	1	4.2

Analytical Note: Respondents were asked to indicate one primary activity. A total of 17 respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the 24 respondents who correctly answered the question.

Table C-26. General Visitor Survey Results – Section A-1 – Background Section – Ralston Picnic Area and Cartop Boat Ramp (continued).

Q-12. Identify the activities you engaged in, or expect to engage in, during your trip to this area (continued).

Total # of Respondents	Secondary Activity	Frequency	Percent
24	Reservoir swimming/water-play/sun bathing	8	33.3
	Stream swimming/water-play/sun bathing	8	33.3
	Relaxing	7	29.2
	Viewing wildlife, scenery photography, etc.	7	29.2
	Reservoir fishing	6	25.0
	Hiking/walking	5	20.8
	Picnicking in developed sites	5	20.8
	Picnicking in undeveloped sites	4	16.7
	Stream fishing	4	16.7
	Camping in undeveloped sites	3	12.5
	Driving for pleasure on roads	3	12.5
	Hunting	2	8.3
	Rock hounding	2	8.3
	Gold panning/dredging	1	4.2
	Non-motorized reservoir boating (canoeing, kayaking, row boating)	1	4.2
	OHV travel/use	1	4.2
	Sailing	1	4.2
Whitewater boating (rafting, kayaking, canoeing)	1	4.2	

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-26. General Visitor Survey Results – Section A-1 – Background Section – Ralston Picnic Area and Cartop Boat Ramp (continued).

Q-13. Please rate the availability and adequacy of the following information resources.

Information Resources	Total # of Respondents	Possible Answers	Frequency	Percent
Interpretive/educational information	33	Acceptable	12	36.4
		Somewhat Acceptable	5	15.2
		Not Acceptable	2	6.1
		Not Applicable	14	42.4
Recreation visitor information	34	Acceptable	13	38.2
		Somewhat Acceptable	5	14.7
		Not Acceptable	3	8.8
		Not Applicable	13	38.2
Safety/warning information	33	Acceptable	21	63.6
		Somewhat Acceptable	2	6.1
		Not Acceptable	4	12.1
		Not Applicable	6	18.2
Reservoir water surface elevation information	33	Acceptable	11	33.3
		Somewhat Acceptable	8	24.2
		Not Acceptable	3	9.1
		Not Applicable	11	33.3
River/stream flow information	33	Acceptable	13	39.4
		Somewhat Acceptable	7	21.2
		Not Acceptable	4	12.1
		Not Applicable	9	27.3
Other	0	Acceptable	-	-
		Somewhat Acceptable	-	-
		Not Acceptable	-	-
		Not Applicable	-	-

Q-14. How would you rate your overall recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
41	Very Satisfied	23	56.1
	Satisfied	14	34.1
	Somewhat Satisfied	4	9.8
	Unsatisfied	0	-
	Very Unsatisfied	0	-

Table C-26. General Visitor Survey Results – Section A-1 – Background Section – Ralston Picnic Area and Cartop Boat Ramp (continued).

Q-15. Are there additional recreation facilities, amenities, or opportunities that would improve your recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
32	Yes	9	28.1
	No	23	71.9

Of the nine people who said “yes”, seven provided comments which are summarized below by category.

Facility/Amenity	# of Comments	Percent of Total
More Developments	2	28.6
Unsatisfactory Fishing	2	28.6
Better Access Trails	1	14.3
Conflicts with other users	1	14.3
Environmental	1	14.3
TOTAL	7	100.0

Table C-27. General Visitor Survey Results – Section A-1 – Background Section – Indian Bar Rafter Access.

Q-1. Did you engage in any of the following activities during your visit?

Total # of Respondents	Activity	Frequency	Percent
17	Day use along a stream/river	17	100.0
	Day use or camping in undeveloped areas	5	29.4
	Fishing	1	5.9
	Camping at a developed site	0	-
	Day use at a developed site	0	-
	Reservoir recreation	0	-

Analytical Note: Multiple responses were accepted.

Q-2. What type of vehicle did you drive to this area?

Total # of Respondents	Type of Vehicle	Frequency	Percent
17	Car/SUV/Truck	14	82.4
	Camper/RV	0	-
	Motorcycle	0	-
	Multiple Vehicles	0	-
	Other	3	17.6

Q-3. How many people were in your vehicle?

Total # of Respondents	Average # of people	Standard Deviation	Range (min.-max.)	Total # of People	Frequency	Percent
15	5.7	4.4	2-15	1	0	-
				2	3	20.0
				3	3	20.0
				4 or more	9	60.0

Q-4. How many people in your group are in the following age categories?

Total # of Respondents	Total # of People in Group	Age Category	Percent
16	113	Under 18	23.0
		18 or over	77.0

Table C-27. General Visitor Survey Results – Section A-1 – Background Section – Indian Bar Rafter Access (continued).

Q-5. How many and what types of vehicles and trailers did your **group** bring?

Total # of Respondents	Vehicle or Trailer	Frequency ¹	Percent ¹	Average # per group ²
16	Car/pickup/SUV	13	81.3	1.7
	Boat trailer	1	6.3	-
	Horse trailer	0	-	-
	Motorcycle	0	-	-
	Motor home/RV	0	-	-
	OHV	0	-	-
	Towed/Trailered Vehicle	0	-	-
	Travel trailer	0	-	-
	Utility trailer	0	-	-
	Other	2	12.5	-

¹Includes all responses.

²Includes only responses that provided the number of vehicles in their group.

Q-6. Your place of residence (zip code):

Total # of Respondents	County in California	Frequency	Percent
17	Alameda	4	23.5
	Santa Cruz	3	17.6
	San Mateo	2	11.8
	Solano	2	11.8
	Amador	1	5.9
	Contra Costa	1	5.9
	Placer	1	5.9
	San Francisco	1	5.9
	Stanislaus	1	5.9
	Yolo	1	5.9

Analytical Note: Counties were determined using zip codes provided by the respondent.

Table C-27. General Visitor Survey Results – Section A-1 – Background Section – Indian Bar Rafter Access (continued).

Q-7. What year were you born?

Total # of Respondents	Average Age (years)	Standard Deviation	Age Range (min.-max.)	Age Categories (years)	Frequency	Percent
16	34.6	11.7	14-52	24 or younger	3	18.8
				25-39	8	50.0
				40-64	5	31.3
				65 or older	0	-

Analytical Note: Ages were determined using birth years provided by the survey respondent.

Q-8. Which cultural or ethnic group do you most closely identify with?

Total # of Respondents	Cultural or Ethnic Group	Frequency	Percent
17	White/Caucasian	11	64.7
	Asian	4	23.5
	Black/African American	1	5.9
	Native Hawaiian or Pacific Islander	1	5.9
	American Indian or Alaskan Native	0	-
	Hispanic or Latino	0	-
	Other/Multi-racial	0	-

Q-9. What is your primary spoken language?

Total # of Respondents	Primary Language	Frequency	Percent
16	English	14	87.5
	Dutch	1	5.9
	Italian	1	5.9

Table C-27. General Visitor Survey Results – Section A-1 – Background Section – Indian Bar Rafter Access (continued).

Q-10. Identify the reasons why you chose this area to recreate?

Total # of Respondents	Primary Reason	Frequency	Percent
7	Scenic quality of the area	2	28.6
	Access to lake/reservoir	1	14.3
	Access to river/stream	1	14.3
	Lack of crowding	1	14.3
	Recreational activities/opportunities in the area	1	14.3
	Close to home	0	-
	Cost of facility access fee	0	-
	Presence of on-site manager/host	0	-
	Other	1	14.3

Analytical Note: Respondents were asked to indicate one primary reason for visiting the area. Ten respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the seven respondents who correctly answered the question.

Total # of Respondents	Secondary Reason	Frequency	Percent
7	Recreational activities/opportunities in the area	2	28.6
	Access to lake/reservoir	1	14.3
	Access to river/stream	1	14.3
	Close to home	0	-
	Cost of facility access fee	0	-
	Lack of crowding	0	-
	Presence of on-site manager/host	0	-
	Scenic quality of the area	0	-
	Other	0	-

Analytical Note: Multiple responses were accepted. Some respondents answered only the first part of the question, therefore the sum of the percentages is less than 100%.

Table C-27. General Visitor Survey Results – Section A-1 – Background Section – Indian Bar Rafter Access (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
Developed campsites	14	Very Important	4	28.6
		Important	6	42.9
		Somewhat Important	1	7.1
		Not Important	3	21.4
Developed picnic sites	13	Very Important	4	30.8
		Important	4	30.8
		Somewhat Important	1	7.7
		Not Important	4	30.8
Flush restrooms	13	Very Important	6	46.2
		Important	2	15.4
		Somewhat Important	4	30.8
		Not Important	1	7.7
Drinking water	15	Very Important	7	46.7
		Important	3	20.0
		Somewhat Important	4	26.7
		Not Important	1	6.7
RV dump station	12	Very Important	2	16.7
		Important	1	8.3
		Somewhat Important	3	25.0
		Not Important	6	50.0
Boat launch ramps	13	Very Important	3	23.1
		Important	4	30.8
		Somewhat Important	3	23.1
		Not Important	3	23.1
River put-in/take-out	15	Very Important	5	33.3
		Important	5	33.3
		Somewhat Important	3	20.0
		Not Important	2	13.3
Hiking trails	13	Very Important	4	30.8
		Important	5	38.5
		Somewhat Important	4	30.8
		Not Important	0	-

Table C-27. General Visitor Survey Results – Section A-1 – Background Section – Indian Bar Rafter Access (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate (continued)?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
OHV Trails	12	Very Important	2	16.7
		Important	3	25.0
		Somewhat Important	3	25.0
		Not Important	4	33.3
Mountain bike trails	12	Very Important	2	16.7
		Important	1	8.3
		Somewhat Important	7	58.3
		Not Important	2	16.7
Fishing access trails	12	Very Important	5	41.7
		Important	1	8.3
		Somewhat Important	1	8.3
		Not Important	5	41.7
Equestrian trails	13	Very Important	2	15.4
		Important	5	38.5
		Somewhat Important	3	23.1
		Not Important	3	23.1
Interpretive/ educational exhibits/information	13	Very Important	2	15.4
		Important	6	46.2
		Somewhat Important	3	23.1
		Not Important	2	15.4
Other	1	Very Important	1	100.0
		Important	-	-
		Somewhat Important	-	-
		Not Important	-	-

Table C-27. General Visitor Survey Results – Section A-1 – Background Section – Indian Bar Rafter Access (continued).

Q-12. Identify the activities you engaged in, or expect to engage in, during your trip to this area.

Total # of Respondents	Primary Activity	Frequency	Percent
7	Whitewater boating (rafting, kayaking, canoeing)	3	42.9
	Picnicking in developed sites	1	14.3
	Relaxing	1	14.3
	Reservoir swimming/water-play/sun bathing	1	14.3
	Stream fishing	1	14.3

Analytical Note: Respondents were asked to indicate one primary activity. A total of 10 respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the seven respondents who correctly answered the question.

Total # of Respondents	Secondary Activity	Frequency	Percent
7	Picnicking in developed sites	2	28.6
	Reservoir fishing	2	28.6
	Stream swimming/water-play/sun bathing	2	28.6
	Camping in developed sites	1	14.3
	Camping in undeveloped sites	1	14.3
	Relaxing	1	14.3
	Reservoir swimming/water-play/sun bathing	1	14.3
	Stream fishing	1	14.3
	Viewing wildlife, scenery photography, etc.	1	14.3

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-27. General Visitor Survey Results – Section A-1 – Background Section – Indian Bar Rafter Access (continued).

Q-13. Please rate the availability and adequacy of the following information resources.

Information Resources	Total # of Respondents	Possible Answers	Frequency	Percent
Interpretive/educational information	12	Acceptable	3	25.0
		Somewhat Acceptable	8	66.7
		Not Acceptable	0	-
		Not Applicable	1	8.3
Recreation visitor information	15	Acceptable	6	40.0
		Somewhat Acceptable	6	40.0
		Not Acceptable	1	6.7
		Not Applicable	2	13.3
Safety/warning information	13	Acceptable	7	53.8
		Somewhat Acceptable	4	30.8
		Not Acceptable	1	7.7
		Not Applicable	1	7.7
Reservoir water surface elevation information	13	Acceptable	5	38.5
		Somewhat Acceptable	4	30.8
		Not Acceptable	2	15.4
		Not Applicable	2	15.4
River/stream flow information	13	Acceptable	4	30.8
		Somewhat Acceptable	7	53.8
		Not Acceptable	1	7.7
		Not Applicable	1	7.7
Other	0	Acceptable	-	-
		Somewhat Acceptable	-	-
		Not Acceptable	-	-
		Not Applicable	-	-

Q-14. How would you rate your overall recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
16	Very Satisfied	6	37.5
	Satisfied	9	56.2
	Somewhat Satisfied	1	6.2
	Unsatisfied	0	-
	Very Unsatisfied	0	-

Table C-27. General Visitor Survey Results – Section A-1 – Background Section – Indian Bar Rafter Access (continued).

Q-15. Are there additional recreation facilities, amenities, or opportunities that would improve your recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
9	Yes	2	22.2
	No	7	77.8

Both people who said “yes” provided comments which are summarized below by category. One respondent provided comments that described multiple categories; therefore the total number of comments exceeds the total number of respondents.

Facility/Amenity	# of Comments	Percent of Total
Restrooms	2	66.7
Drinking Water	1	33.3
TOTAL	3	100.0

Table C-28. General Visitor Survey Results – Section A-1 – Background Section – Ruck-a-Chucky Recreation Area.

Q-1. Did you engage in any of the following activities during your visit?

Total # of Respondents	Activity	Frequency	Percent
40	Camping at a developed site	40	100.0
	Day use along a stream/river	14	35.0
	Day use or camping in undeveloped areas	2	5.0
	Day use at a developed site	1	2.5
	Fishing	1	2.5
	Reservoir recreation	0	-

Analytical Note: Multiple responses were accepted.

Q-2. What type of vehicle did you drive to this area?

Total # of Respondents	Type of Vehicle	Frequency	Percent
40	Car/SUV/Truck	40	100.0
	Camper/RV	0	-
	Motorcycle	0	-
	Multiple Vehicles	0	-
	Other	0	-

Q-3. How many people were in your vehicle?

Total # of Respondents	Average # of people	Standard Deviation	Range (min.-max.)	Total # of People	Frequency	Percent
40	3.2	1.3	1-6	1	3	7.5
				2	11	27.5
				3	12	30.0
				4 or more	14	35.0

Q-4. How many people in your group are in the following age categories?

Total # of Respondents	Total # of People in Group	Age Category	Percent
40	154	Under 18	24.7
		18 or over	75.3

Table C-28. General Visitor Survey Results – Section A-1 – Background Section – Ruck-a-Chucky Recreation Area (continued).

Q-5. How many and what types of vehicles and trailers did your group bring?

Total # of Respondents	Vehicle or Trailer	Frequency ¹	Percent ¹	Average # per group ²
40	Car/pickup/SUV	40	100.0	1.6
	Utility trailer	3	7.5	1.0
	Towed/Trailered Vehicle	2	5.0	2.0
	Boat trailer	1	2.5	2.0
	Travel trailer	1	2.5	2.0
	Horse trailer	0	-	-
	Motorcycle	0	-	-
	Motor home/RV	0	-	-
	OHV	0	-	-
	Other	0	-	-

¹Includes all responses.

²Includes only responses that provided the number of vehicles in their group.

Q-6. Your place of residence (zip code):

Total # of Respondents	County in California	Frequency	Percent
39	Placer	17	43.6
	Contra Costa	3	7.7
	Sacramento	3	7.7
	Alameda	2	5.1
	Sonoma	2	5.1
	Calaveras	1	2.6
	Los Angeles	1	2.6
	Monterey	1	2.6
	San Bernardino	1	2.6
	San Francisco	1	2.6
	San Mateo	1	2.6
	Sutter	1	2.6
	Location outside of California	Frequency	Percent
	Carson City, NV	2	5.1
	Douglas County, NV	2	5.1
Oklahoma	1	2.6	

Analytical Note: Counties were determined using zip codes provided by the respondent.

Table C-28. General Visitor Survey Results – Section A-1 – Background Section – Ruck-a-Chucky Recreation Area (continued).

Q-7. What year were you born?

Total # of Respondents	Average Age (years)	Standard Deviation	Age Range (min.-max.)	Age Categories (years)	Frequency	Percent
38	32.0	10.8	18-54	24 or younger	11	28.9
				25-39	17	44.7
				40-64	10	26.3
				65 or older	0	-

Analytical Note: Ages were determined using birth years provided by the survey respondent.

Q-8. Which cultural or ethnic group do you most closely identify with?

Total # of Respondents	Cultural or Ethnic Group	Frequency	Percent
40	White/Caucasian	33	82.5
	Hispanic or Latino	2	5.0
	Native Hawaiian or Pacific Islander	2	5.0
	American Indian or Alaskan Native	0	-
	Asian	0	-
	Black/African American	0	-
	Other/Multi-racial	3	7.5

Q-9. What is your primary spoken language?

Total # of Respondents	Primary Language	Frequency	Percent
37	English	36	97.3
	Multiple	1	2.7

Table C-28. General Visitor Survey Results – Section A-1 – Background Section – Ruck-a-Chucky Recreation Area (continued).

Q-10. Identify the reasons why you chose this area to recreate?

Total # of Respondents	Primary Reason	Frequency	Percent
31	Close to home	9	29.0
	Access to river/stream	8	25.8
	Lack of crowding	5	16.1
	Scenic quality of the area	5	16.1
	Recreational activities/opportunities in the area	3	9.7
	Access to lake/reservoir	1	3.2
	Cost of facility access fee	0	-
	Presence of on-site manager/host	0	-
	Other	0	-

Analytical Note: Respondents were asked to indicate one primary reason for visiting the area. Nine respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the thirty-one respondents who correctly answered the question.

Total # of Respondents	Secondary Reason	Frequency	Percent
31	Access to river/stream	12	38.7
	Scenic quality of the area	11	35.5
	Recreational activities/opportunities in the area	6	19.4
	Access to lake/reservoir	5	16.1
	Close to home	5	16.1
	Lack of crowding	5	16.1
	Cost of facility access fee	4	12.9
	Presence of on-site manager/host	0	-
	Other	0	-

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-28. General Visitor Survey Results – Section A-1 – Background Section – Ruck-a-Chucky Recreation Area (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
Developed campsites	39	Very Important	14	35.9
		Important	5	12.8
		Somewhat Important	10	25.6
		Not Important	10	25.6
Developed picnic sites	38	Very Important	12	31.6
		Important	4	10.5
		Somewhat Important	9	23.7
		Not Important	13	34.2
Flush restrooms	40	Very Important	11	27.5
		Important	8	20.0
		Somewhat Important	7	17.5
		Not Important	14	35.0
Drinking water	39	Very Important	13	33.3
		Important	7	17.9
		Somewhat Important	10	25.6
		Not Important	9	23.1
RV dump station	36	Very Important	5	13.9
		Important	2	5.6
		Somewhat Important	5	13.9
		Not Important	24	66.7
Boat launch ramps	36	Very Important	5	13.9
		Important	2	5.6
		Somewhat Important	5	13.9
		Not Important	24	66.7
River put-in/take-out	38	Very Important	11	28.9
		Important	6	15.8
		Somewhat Important	7	18.4
		Not Important	14	36.8
Hiking trails	40	Very Important	16	40.0
		Important	13	32.5
		Somewhat Important	7	17.5
		Not Important	4	10.0

Table C-28. General Visitor Survey Results – Section A-1 – Background Section – Ruck-a-Chucky Recreation Area (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate (continued)?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
OHV Trails	36	Very Important	6	16.7
		Important	4	11.1
		Somewhat Important	7	19.4
		Not Important	19	52.8
Mountain bike trails	37	Very Important	8	21.6
		Important	10	27.0
		Somewhat Important	7	18.9
		Not Important	12	32.4
Fishing access trails	39	Very Important	15	38.5
		Important	10	25.6
		Somewhat Important	5	12.8
		Not Important	9	23.1
Equestrian trails	36	Very Important	7	19.4
		Important	3	8.3
		Somewhat Important	6	16.7
		Not Important	20	55.6
Interpretive/ educational exhibits/information	36	Very Important	9	25.0
		Important	3	8.3
		Somewhat Important	5	13.9
		Not Important	19	52.8
Other	2	Very Important	1	50.0
		Important	1	50.0
		Somewhat Important	0	-
		Not Important	0	-

Table C-28. General Visitor Survey Results – Section A-1 – Background Section – Ruck-a-Chucky Recreation Area (continued).

Q-12. Identify the activities you engaged in, or expect to engage in, during your trip to this area.

Total # of Respondents	Primary Activity	Frequency	Percent
26	Camping in developed sites	19	73.1
	Gold panning/dredging	3	11.5
	Whitewater boating (rafting, kayaking, canoeing)	2	7.7
	Relaxing	1	3.8
	Stream swimming/water-play/sun bathing	1	3.8

Analytical Note: Respondents were asked to indicate one primary activity. A total of fourteen respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the twenty-six respondents who correctly answered the question.

Total # of Respondents	Secondary Activity	Frequency	Percent
26	Stream swimming/water-play/sun bathing	16	61.5
	Relaxing	15	57.7
	Hiking/walking	7	26.9
	Gold panning/dredging	5	19.2
	Reservoir swimming/water-play/sun bathing	4	15.4
	Viewing wildlife, scenery photography, etc.	4	15.4
	Picnicking in developed sites	3	11.5
	Stream fishing	3	11.5
	Camping in developed sites	2	7.7
	Camping in undeveloped sites	2	7.7
	Driving for pleasure on roads	2	7.7
	Visiting historical/cultural sites	2	7.7
	Horseback riding	1	3.8
	Mountain biking	1	3.8
	Picnicking in undeveloped sites	1	3.8
	Reservoir fishing	1	3.8
	Rock hounding	1	3.8
	Whitewater boating (rafting, kayaking, canoeing)	1	3.8
Wood cutting	1	3.8	

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-28. General Visitor Survey Results – Section A-1 – Background Section – Ruck-a-Chucky Recreation Area (continued).

Q-13. Please rate the availability and adequacy of the following information resources.

Information Resources	Total # of Respondents	Possible Answers	Frequency	Percent
Interpretive/educational information	35	Acceptable	14	40.0
		Somewhat Acceptable	11	31.4
		Not Acceptable	1	2.9
		Not Applicable	9	25.7
Recreation visitor information	35	Acceptable	16	45.7
		Somewhat Acceptable	14	40.0
		Not Acceptable	0	-
		Not Applicable	5	14.3
Safety/warning information	37	Acceptable	20	54.1
		Somewhat Acceptable	11	29.7
		Not Acceptable	4	10.8
		Not Applicable	2	5.4
Reservoir water surface elevation information	36	Acceptable	12	33.3
		Somewhat Acceptable	14	38.9
		Not Acceptable	2	5.6
		Not Applicable	8	22.2
River/stream flow information	36	Acceptable	16	44.4
		Somewhat Acceptable	13	36.1
		Not Acceptable	4	11.1
		Not Applicable	3	8.3
Other	0	Acceptable	-	-
		Somewhat Acceptable	-	-
		Not Acceptable	-	-
		Not Applicable	-	-

Q-14. How would you rate your overall recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
39	Very Satisfied	22	56.4
	Satisfied	14	35.9
	Somewhat Satisfied	2	5.1
	Unsatisfied	0	-
	Very Unsatisfied	1	2.6

Table C-28. General Visitor Survey Results – Section A-1 – Background Section – Ruck-a-Chucky Recreation Area (continued).

Q-15. Are there additional recreation facilities, amenities, or opportunities that would improve your recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
33	Yes	7	21.2
	No	26	78.8

Of the seven people who said “yes”, six provided comments which are summarized below by category. One respondent provided comments that described multiple categories; therefore the total number of comments exceeds the total number of respondents.

Facility/Amenity	Number of Comments	Percent of Total
Drinking water	2	28.6
Better Access	1	14.3
More Signage	1	14.3
Restrooms	1	14.3
Roads	1	14.3
Showers	1	14.3
Total	7	100.0

Table C-29. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Ruck-a-Chucky Recreation Area.

Q-1. A total of forty people who participated in the General Visitor Survey indicated that they camped at Ruck-a-Chucky Campground.

Q-2. Name of primary campground used:

Campground	Frequency	Percent
Ruck-a-Chucky Campground	40	100.0

Q-3. How many nights will you camp during this visit?

Total # of Respondents	Average # of Nights	Standard Deviation	Range (Min. – Max.)
38	2.7	2.9	1-14

Q-4a. Were you able to camp at your first choice campground?

Total # of Respondents	Possible Answers	Frequency	Percent
39	Yes	33	84.6
	No	6	15.4

Q-4b. If no, what was your first choice campground?

Location	First Choice	Frequency
Campground/Campsite within Region	Beach with fire pit	1
	Close to water	1
	On the beach	1

Table C-29. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Ruck-a-Chucky Recreation Area (continued).

Q-5. What was your method of camping?

Total # of Respondents	Camping Method	Frequency	Percent
40	Tent	34	85.0
	Multiple methods	1	2.5
	Recreational vehicle 25-35 feet	0	-
	Recreational vehicle less than 25 feet	0	-
	Recreational vehicle longer than 35 feet	0	-
	Tent trailer	0	-
	Trailer 25-35 feet	0	-
	Trailer less than 25 feet	0	-
	Trailer longer than 35 feet	0	-
	Other	5	12.5

Q-6. Please rate the following factors at the campground identified above.

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Campsite availability	39	Acceptable	29	74.4
		Somewhat Acceptable	9	23.1
		Not Acceptable	1	2.6
Campsite condition	39	Acceptable	31	79.5
		Somewhat Acceptable	8	20.5
		Not Acceptable	0	-
Campsite cleanliness	39	Acceptable	28	71.8
		Somewhat Acceptable	9	23.1
		Not Acceptable	2	5.1
Adequacy of campsite screening	35	Acceptable	18	51.4
		Somewhat Acceptable	17	48.6
		Not Acceptable	0	-
Adequacy of campsite shading	37	Acceptable	21	56.8
		Somewhat Acceptable	14	37.8
		Not Acceptable	2	5.4
Restroom condition	39	Acceptable	26	66.7
		Somewhat Acceptable	12	30.8
		Not Acceptable	1	2.6

Table C-29. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Ruck-a-Chucky Recreation Area (continued).

Q-6. Please rate the following factors at the campground identified above (continued).

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Restroom cleanliness	39	Acceptable	27	69.2
		Somewhat Acceptable	11	28.2
		Not Acceptable	1	2.6
Drinking water availability	35	Acceptable	10	28.6
		Somewhat Acceptable	4	11.4
		Not Acceptable	21	60.0
Trash disposal	39	Acceptable	30	76.9
		Somewhat Acceptable	6	15.4
		Not Acceptable	3	7.7
Parking availability	39	Acceptable	32	82.1
		Somewhat Acceptable	7	17.9
		Not Acceptable	0	-
Parking area condition	37	Acceptable	31	83.8
		Somewhat Acceptable	4	10.8
		Not Acceptable	2	5.4
Adequacy of food storage lockers	33	Acceptable	11	33.3
		Somewhat Acceptable	5	15.2
		Not Acceptable	17	51.5
Condition of food storage lockers	31	Acceptable	10	32.3
		Somewhat Acceptable	3	9.7
		Not Acceptable	18	58.1
Parking spur size	35	Acceptable	22	62.9
		Somewhat Acceptable	7	20.0
		Not Acceptable	6	17.1
Road condition in campground	39	Acceptable	21	53.8
		Somewhat Acceptable	9	23.1
		Not Acceptable	9	23.1
Adequacy of road size in campground	39	Acceptable	28	71.8
		Somewhat Acceptable	10	25.6
		Not Acceptable	1	2.6
Cost of campground fee	38	Acceptable	29	76.3
		Somewhat Acceptable	8	21.1
		Not Acceptable	1	2.6

Table C-29. General Visitor Survey Results – Section A-2 – Camping at Developed Sites – Ruck-a-Chucky Recreation Area (continued).

Q-6. Please rate the following factors at the campground identified above (continued).

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Adequacy of law enforcement personnel	35	Acceptable	27	77.1
		Somewhat Acceptable	5	14.3
		Not Acceptable	3	8.6
Other	0	Acceptable	-	-
		Somewhat Acceptable	-	-
		Not Acceptable	-	-

Q-7. Were the services and/or facilities at the campground you identified above adequate for any physically impaired person in your party?

Total # of Respondents	Possible Answers	Frequency	Percent
38	Not applicable	23	60.5
	Yes	6	15.8
	No	9	23.7

Q-8. Was your recreation experience **negatively** affected by:

Factor	Total # of Respondents	Possible Answers	Frequency	Percent
Crowding	39	Yes	3	7.7
		No	36	92.3
Other activities taking place	37	Yes	5	13.5
		No	32	86.5

Q-9. How would you rate your overall experience at the campground identified above?

Total # of Respondents	Possible Answers	Frequency	Percent
39	Very Satisfied	26	66.7
	Satisfied	12	30.8
	Somewhat Satisfied	0	-
	Unsatisfied	0	-
	Very Unsatisfied	1	2.6

Table C-30. General Visitor Survey Results – Section A-1 – Background Section – Mammoth Bar.

Q-1. Did you engage in any of the following activities during your visit?

Total # of Respondents	Activity	Frequency	Percent
30	Day use along a stream/river	29	96.7
	Fishing	3	10.0
	Camping at a developed site	0	-
	Day use at a developed site	0	-
	Day use or camping in undeveloped areas	0	-
	Reservoir recreation	0	-

Analytical Note: Multiple responses were accepted.

Q-2. What type of vehicle did you drive to this area?

Total # of Respondents	Type of Vehicle	Frequency	Percent
29	Car/SUV/Truck	29	100.0
	Camper/RV	0	-
	Motorcycle	0	-
	Multiple Vehicles	0	-
	Other	0	-

Q-3. How many people were in your vehicle?

Total # of Respondents	Average # of people	Standard Deviation	Range (min.-max.)	Total # of People	Frequency	Percent
29	3.2	1.9	1-9	1	1	3.4
				2	11	37.9
				3	10	34.5
				4 or more	7	24.1

Q-4. How many people in your group are in the following age categories?

Total # of Respondents	Total # of People in Group	Age Category	Percent
29	97	Under 18	16.5
		18 or over	83.5

Table C-30. General Visitor Survey Results – Section A-1 – Background Section – Mammoth Bar (continued).

Q-5. How many and what types of vehicles and trailers did your group bring?

Total # of Respondents	Vehicle or Trailer	Frequency ¹	Percent ¹	Average # per group ²
25	Car/pickup/SUV	23	92.0	1.0
	Boat trailer	1	4.0	-
	Motorcycle	1	4.0	-
	Motor home/RV	1	4.0	1.0
	Horse trailer	0	-	-
	OHV	0	-	-
	Towed/Trailer Vehicle	0	-	-
	Travel trailer	0	-	-
	Utility trailer	0	-	-
	Other	0	-	-

¹Includes all responses.

²Includes only responses that provided the number of vehicles in their group.

Q-6. Your place of residence (zip code):

Total # of Respondents	County in California	Frequency	Percent
29	Placer	18	62.1
	Yolo	3	10.3
	El Dorado	2	6.9
	Sacramento	2	6.9
	Orange	1	3.4
	San Diego	1	3.4
	San Joaquin	1	3.4
	Location outside of California	Frequency	Percent
	Washoe, NV	1	3.4

Analytical Note: Counties were determined using zip codes provided by the respondent.

Table C-30. General Visitor Survey Results – Section A-1 – Background Section – Mammoth Bar (continued).

Q-7. What year were you born?

Total # of Respondents	Average Age (years)	Standard Deviation	Age Range (min.-max.)	Age Categories (years)	Frequency	Percent
28	39.4	13.0	20-68	24 or younger	4	14.3
				25-39	10	35.7
				40-64	13	46.4
				65 or older	1	3.6

Analytical Note: Ages were determined using birth years provided by the survey respondent.

Q-8. Which cultural or ethnic group do you most closely identify with?

Total # of Respondents	Cultural or Ethnic Group	Frequency	Percent
29	White/Caucasian	24	82.8
	American Indian or Alaskan Native	2	6.9
	Asian	1	3.4
	Hispanic or Latino	1	3.4
	Black/African American	0	-
	Native Hawaiian or Pacific Islander	0	-
	Other/Multi-racial	1	3.4

Q-9. What is your primary spoken language?

Total # of Respondents	Primary Language	Frequency	Percent
28	English	27	96.4
	Pashtu	1	3.6

Table C-30. General Visitor Survey Results – Section A-1 – Background Section – Mammoth Bar (continued).

Q-10. Identify the reasons why you chose this area to recreate?

Total # of Respondents	Primary Reason	Frequency	Percent
17	Access to river/stream	8	47.1
	Close to home	4	23.5
	Recreational activities/opportunities in the area	3	17.6
	Access to lake/reservoir	1	5.9
	Scenic quality of the area	1	5.9
	Cost of facility access fee	0	-
	Lack of crowding	0	-
	Presence of on-site manager/host	0	-
	Other	0	-

Analytical Note: Respondents were asked to indicate one primary reason for visiting the area. Thirteen respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the 17 respondents who correctly answered the question.

Total # of Respondents	Secondary Reason	Frequency	Percent
17	Close to home	5	29.4
	Lack of crowding	5	29.4
	Access to river/stream	3	17.6
	Recreational activities/opportunities in the area	3	17.6
	Scenic quality of the area	3	17.6
	Access to lake/reservoir	1	5.9
	Cost of facility access fee	1	5.9
	Presence of on-site manager/host	1	5.9
	Other	1	5.9

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-30. General Visitor Survey Results – Section A-1 – Background Section – Mammoth Bar (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
Developed campsites	23	Very Important	4	17.4
		Important	4	17.4
		Somewhat Important	7	30.4
		Not Important	8	34.8
Developed picnic sites	24	Very Important	2	8.3
		Important	4	16.7
		Somewhat Important	12	50.0
		Not Important	6	25.0
Flush restrooms	25	Very Important	7	28.0
		Important	8	32.0
		Somewhat Important	2	8.0
		Not Important	8	32.0
Drinking water	25	Very Important	10	40.0
		Important	8	32.0
		Somewhat Important	0	-
		Not Important	7	28.0
RV dump station	22	Very Important	0	-
		Important	3	13.6
		Somewhat Important	3	13.6
		Not Important	16	72.7
Boat launch ramps	21	Very Important	2	9.5
		Important	2	9.5
		Somewhat Important	4	19.0
		Not Important	13	61.9
River put-in/take-out	23	Very Important	10	43.5
		Important	5	21.7
		Somewhat Important	1	4.3
		Not Important	7	30.4
Hiking trails	24	Very Important	9	37.5
		Important	8	33.3
		Somewhat Important	2	8.3
		Not Important	5	20.8

Table C-30. General Visitor Survey Results – Section A-1 – Background Section – Mammoth Bar (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate (continued)?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
OHV Trails	23	Very Important	7	30.4
		Important	1	4.3
		Somewhat Important	4	17.4
		Not Important	11	47.8
Mountain bike trails	22	Very Important	9	40.9
		Important	4	18.2
		Somewhat Important	2	9.1
		Not Important	7	31.8
Fishing access trails	25	Very Important	13	52.0
		Important	5	20.0
		Somewhat Important	2	8.0
		Not Important	5	20.0
Equestrian trails	23	Very Important	3	13.0
		Important	4	17.4
		Somewhat Important	4	17.4
		Not Important	12	52.2
Interpretive/ educational exhibits/information	22	Very Important	4	18.2
		Important	5	22.7
		Somewhat Important	5	22.7
		Not Important	8	36.4
Other	1	Very Important	1	100.0
		Important	-	-
		Somewhat Important	-	-
		Not Important	-	-

Table C-30. General Visitor Survey Results – Section A-1 – Background Section – Mammoth Bar (continued).

Q-12. Identify the activities you engaged in, or expect to engage in, during your trip to this area.

Total # of Respondents	Primary Activity	Frequency	Percent
18	Stream swimming/water-play/sun bathing	8	44.4
	Gold panning/dredging	2	11.1
	Reservoir swimming/water-play/sun bathing	2	11.1
	Whitewater boating (rafting, kayaking, canoeing)	2	11.1
	OHV travel/use	1	5.6
	Relaxing	1	5.6
	Reservoir fishing	1	5.6
	Stream fishing	1	5.6

Analytical Note: Respondents were asked to indicate one primary activity. A total of 12 respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the 18 respondents who correctly answered the question.

Total # of Respondents	Secondary Activity	Frequency	Percent
18	Relaxing	5	27.8
	Camping in undeveloped sites	3	16.7
	Hiking/walking	3	16.7
	Picnicking in developed sites	3	16.7
	Picnicking in undeveloped sites	3	16.7
	Camping in developed sites	2	11.1
	Non-motorized reservoir boating (canoeing, kayaking, row boating)	2	11.1
	Reservoir fishing	2	11.1
	Stream swimming/water-play/sun bathing	2	11.1
	Viewing wildlife, scenery photography, etc.	2	11.1
	Personal water craft (jet skiing)	1	5.6
	Rock hounding	1	5.6
	Sailing	1	5.6
	Stream fishing	1	5.6
	Water skiing, wake boarding	1	5.6
Whitewater boating (rafting, kayaking, canoeing)	1	5.6	

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-30. General Visitor Survey Results – Section A-1 – Background Section – Mammoth Bar (continued).

Q-13. Please rate the availability and adequacy of the following information resources.

Information Resources	Total # of Respondents	Possible Answers	Frequency	Percent
Interpretive/educational information	23	Acceptable	13	56.5
		Somewhat Acceptable	3	13.0
		Not Acceptable	1	4.3
		Not Applicable	6	26.1
Recreation visitor information	23	Acceptable	14	60.9
		Somewhat Acceptable	4	17.4
		Not Acceptable	1	4.3
		Not Applicable	4	17.4
Safety/warning information	27	Acceptable	21	77.8
		Somewhat Acceptable	3	11.1
		Not Acceptable	0	-
		Not Applicable	3	11.1
Reservoir water surface elevation information	22	Acceptable	12	54.5
		Somewhat Acceptable	3	13.6
		Not Acceptable	1	4.5
		Not Applicable	6	27.3
River/stream flow information	27	Acceptable	19	70.4
		Somewhat Acceptable	2	7.4
		Not Acceptable	3	11.1
		Not Applicable	3	11.1
Other	0	Acceptable	-	-
		Somewhat Acceptable	-	-
		Not Acceptable	-	-
		Not Applicable	-	-

Q-14. How would you rate your overall recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
30	Very Satisfied	22	73.3
	Satisfied	8	26.7
	Somewhat Satisfied	0	-
	Unsatisfied	0	-
	Very Unsatisfied	0	-

Table C-30. General Visitor Survey Results – Section A-1 – Background Section – Mammoth Bar (continued).

Q-15. Are there additional recreation facilities, amenities, or opportunities that would improve your recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
22	Yes	3	13.6
	No	19	86.4

All three people who said “yes” provided comments which are summarized below by category.

Facility/Amenity	# of Comments	Percent of Total
More Developments	1	33.3
Restrooms	1	33.3
Roads	1	33.3
TOTAL	3	100.0

Table C-31. General Visitor Survey Results – Section A-1 – Background Section – Confluence Area/Quarry Road Trailhead.

Q-1. Did you engage in any of the following activities during your visit?

Total # of Respondents	Activity	Frequency	Percent
108	Day use along a stream/river	102	94.4
	Day use at a developed site	6	5.6
	Day use or camping in undeveloped areas	2	1.9
	Fishing	2	1.9
	Camping at a developed site	1	0.9
	Reservoir recreation	1	0.9

Analytical Note: Multiple responses were accepted.

Q-2. What type of vehicle did you drive to this area?

Total # of Respondents	Type of Vehicle	Frequency	Percent
108	Car/SUV/Truck	97	89.8
	Motorcycle	5	4.6
	Camper/RV	0	-
	Multiple Vehicles	0	-
	Other	6	5.6

Q-3. How many people were in your vehicle?

Total # of Respondents	Average # of people	Standard Deviation	Range (min.-max.)	Total # of People	Frequency	Percent
106	2.7	1.6	1-11	1	26	24.5
				2	29	27.4
				3	19	17.9
				4 or more	32	30.2

Q-4. How many people in your group are in the following age categories?

Total # of Respondents	Total # of People in Group	Age Category	Percent
107	294	Under 18	26.2
		18 or over	73.8

Table C-31. General Visitor Survey Results – Section A-1 – Background Section – Confluence Area/Quarry Road Trailhead (continued).

Q-5. How many and what types of vehicles and trailers did your **group** bring?

Total # of Respondents ¹	Vehicle or Trailer	Frequency ²	Percent ²	Average # per group ³
102	Car/pickup/SUV	96	94.1	1.2
	Motorcycle	5	4.9	1.0
	Horse trailer	1	1.0	1.0
	Boat trailer	0	-	-
	Motor home/RV	0	-	-
	OHV	0	-	-
	Towed/Trailered Vehicle	0	-	-
	Travel trailer	0	-	-
	Utility trailer	0	-	-
	Other	0	-	-

¹Two respondents indicated that they walked to the facility and were removed from the analysis.

²Includes all responses.

³Includes only responses that provided the number of vehicles in their group.

Q-6. Your place of residence (zip code):

Total # of Respondents	County in California	Frequency	Percent
104	Placer	69	66.3
	Sacramento	15	14.4
	El Dorado	5	4.8
	Contra Costa	2	1.9
	Santa Clara	2	1.9
	Alameda	1	1.0
	Amador	1	1.0
	Lake	1	1.0
	Marin	1	1.0
	Nevada	1	1.0
	San Diego	1	1.0
	Shasta	1	1.0
	Yolo	1	1.0
	Location outside of California	Frequency	Percent
	Massachusetts	1	1.0
Outside of USA	2	1.9	

Analytical Note: Counties were determined using zip codes provided by the respondent.

Table C-31. General Visitor Survey Results – Section A-1 – Background Section – Confluence Area/Quarry Road Trailhead (continued).

Q-7. What year were you born?

Total # of Respondents	Average Age (years)	Standard Deviation	Age Range (min.-max.)	Age Categories (years)	Frequency	Percent
104	38.5	12.3	19-70	24 or younger	13	12.5
				25-39	47	45.2
				40-64	40	38.5
				65 or older	4	3.8

Analytical Note: Ages were determined using birth years provided by the survey respondent.

Q-8. Which cultural or ethnic group do you most closely identify with?

Total # of Respondents	Cultural or Ethnic Group	Frequency	Percent
108	White/Caucasian	93	86.1
	Hispanic or Latino	3	2.8
	Native Hawaiian or Pacific Islander	3	2.8
	American Indian or Alaskan Native	1	0.9
	Asian	1	0.9
	Black/African American	0	-
	Other/Multi-racial	7	6.5

Q-9. What is your primary spoken language?

Total # of Respondents	Primary Language	Frequency	Percent
95	English	91	95.8
	Filipino	1	1.1
	German	1	1.1
	Ukrainian	1	1.1
	Multiple	1	1.1

Table C-31. General Visitor Survey Results – Section A-1 – Background Section – Confluence Area/Quarry Road Trailhead (continued).

Q-10. Identify the reasons why you chose this area to recreate?

Total # of Respondents	Primary Reason	Frequency	Percent
72	Close to home	33	45.8
	Access to river/stream	16	22.2
	Scenic quality of the area	11	15.3
	Recreational activities/opportunities in the area	8	11.1
	Cost of facility access fee	2	2.8
	Access to lake/reservoir	0	-
	Lack of crowding	0	-
	Presence of on-site manager/host	0	-
	Other	2	2.8

Analytical Note: Respondents were asked to indicate one primary reason for visiting the area. Thirty-six respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the 72 respondents who correctly answered the question.

Total # of Respondents	Secondary Reason	Frequency	Percent
74	Scenic quality of the area	27	36.5
	Access to river/stream	23	31.1
	Close to home	20	27.0
	Recreational activities/opportunities in the area	17	23.0
	Lack of crowding	13	17.6
	Cost of facility access fee	7	9.5
	Access to lake/reservoir	3	4.1
	Presence of on-site manager/host	2	2.7
	Other	3	4.1

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-31. General Visitor Survey Results – Section A-1 – Background Section – Confluence Area/Quarry Road Trailhead (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
Developed campsites	94	Very Important	14	14.9
		Important	10	1.6
		Somewhat Important	14	14.9
		Not Important	56	59.6
Developed picnic sites	93	Very Important	14	15.1
		Important	18	19.4
		Somewhat Important	22	23.7
		Not Important	39	41.9
Flush restrooms	95	Very Important	20	21.1
		Important	16	16.8
		Somewhat Important	19	20.0
		Not Important	40	42.1
Drinking water	93	Very Important	30	32.3
		Important	18	19.4
		Somewhat Important	13	14.0
		Not Important	32	34.4
RV dump station	91	Very Important	9	9.9
		Important	8	8.8
		Somewhat Important	8	8.8
		Not Important	66	72.5
Boat launch ramps	88	Very Important	7	8.0
		Important	7	8.0
		Somewhat Important	7	8.0
		Not Important	67	76.1
River put-in/take-out	89	Very Important	17	19.1
		Important	16	18.0
		Somewhat Important	9	10.1
		Not Important	47	52.8
Hiking trails	98	Very Important	46	46.9
		Important	30	30.6
		Somewhat Important	10	10.2
		Not Important	12	12.2

Table C-31. General Visitor Survey Results – Section A-1 – Background Section – Confluence Area/Quarry Road Trailhead (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate (continued)?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
OHV Trails	85	Very Important	13	15.3
		Important	13	15.3
		Somewhat Important	13	15.3
		Not Important	46	54.1
Mountain bike trails	93	Very Important	34	36.6
		Important	18	19.4
		Somewhat Important	16	17.2
		Not Important	25	26.9
Fishing access trails	93	Very Important	23	24.7
		Important	18	19.4
		Somewhat Important	16	17.2
		Not Important	36	38.7
Equestrian trails	91	Very Important	18	19.8
		Important	10	11.0
		Somewhat Important	12	13.2
		Not Important	51	56.0
Interpretive/ educational exhibits/information	86	Very Important	11	12.8
		Important	11	12.8
		Somewhat Important	14	16.3
		Not Important	50	58.1
Other	10	Very Important	8	80.0
		Important	1	10.0
		Somewhat Important	1	10.0
		Not Important	0	-

Table C-31. General Visitor Survey Results – Section A-1 – Background Section – Confluence Area/Quarry Road Trailhead (continued).

Q-12. Identify the activities you engaged in, or expect to engage in, during your trip to this area.

Total # of Respondents	Primary Activity	Frequency	Percent
73	Stream swimming/water-play/sun bathing	23	31.5
	Reservoir swimming/water-play/sun bathing	13	17.8
	Hiking/walking	10	13.7
	Relaxing	8	11.0
	Mountain biking	4	5.5
	Bicycling on paved surfaces	2	2.7
	Driving for pleasure on roads	2	2.7
	Picnicking in developed sites	2	2.7
	Gold panning/dredging	1	1.4
	Horseback riding	1	1.4
	Picnicking in undeveloped sites	1	1.4
	Stream fishing	1	1.4
Other	5	6.8	

Analytical Note: Respondents were asked to indicate one primary activity. A total of 35 respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the 73 respondents who correctly answered the question.

Table C-31. General Visitor Survey Results – Section A-1 – Background Section – Confluence Area/Quarry Road Trailhead (continued).

Q-12. Identify the activities you engaged in, or expect to engage in, during your trip to this area (continued).

Total # of Respondents	Secondary Activity	Frequency	Percent
73	Relaxing	34	46.6
	Hiking/walking	24	32.9
	Viewing wildlife, scenery photography, etc.	16	21.9
	Picnicking in undeveloped sites	12	16.4
	Stream swimming/water-play/sun bathing	7	9.6
	Driving for pleasure on roads	6	8.2
	Mountain biking	6	8.2
	Rock hounding	6	8.2
	Picnicking in developed sites	5	6.8
	Reservoir swimming/water-play/sun bathing	4	5.5
	Horseback riding	3	4.1
	Reservoir fishing	3	4.1
	Visiting historical/cultural sites	3	4.1
	Camping in developed sites	2	2.7
	Gold panning/dredging	2	2.7
	Bicycling on paved surfaces	1	1.4
	Camping in undeveloped sites	1	1.4
	Non-motorized reservoir boating (canoeing, kayaking, row boating)	1	1.4
	Plant gathering (berries, mushrooms, grasses, etc.)	1	1.4
	Stream fishing	1	1.4
Water skiing, wake boarding	1	1.4	
Whitewater boating (rafting, kayaking, canoeing)	1	1.4	
Other	1	1.4	

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-31. General Visitor Survey Results – Section A-1 – Background Section – Confluence Area/Quarry Road Trailhead (continued).

Q-13. Please rate the availability and adequacy of the following information resources.

Information Resources	Total # of Respondents	Possible Answers	Frequency	Percent
Interpretive/educational information	90	Acceptable	34	37.8
		Somewhat Acceptable	20	22.2
		Not Acceptable	6	6.7
		Not Applicable	30	33.3
Recreation visitor information	96	Acceptable	35	36.5
		Somewhat Acceptable	30	31.2
		Not Acceptable	4	4.2
		Not Applicable	27	28.1
Safety/warning information	96	Acceptable	49	51.0
		Somewhat Acceptable	27	28.1
		Not Acceptable	3	3.1
		Not Applicable	17	17.7
Reservoir water surface elevation information	87	Acceptable	28	32.2
		Somewhat Acceptable	17	19.5
		Not Acceptable	7	8.0
		Not Applicable	35	40.2
River/stream flow information	92	Acceptable	37	40.2
		Somewhat Acceptable	18	19.6
		Not Acceptable	13	14.1
		Not Applicable	24	26.1
Other	1	Acceptable	0	-
		Somewhat Acceptable	1	100.0
		Not Acceptable	0	-
		Not Applicable	0	-

Q-14. How would you rate your overall recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
106	Very Satisfied	67	63.2
	Satisfied	33	31.1
	Somewhat Satisfied	5	4.7
	Unsatisfied	0	-
	Very Unsatisfied	1	0.9

Table C-31. General Visitor Survey Results – Section A-1 – Background Section – Confluence Area/Quarry Road Trailhead (continued).

Q-15. Are there additional recreation facilities, amenities, or opportunities that would improve your recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
83	Yes	25	30.1
	No	58	69.9

Of the 25 people who said “yes”, 22 provided comments which are summarized below by category. Some respondents provided comments that described multiple categories; therefore the total number of comments exceeds the total number of respondents.

Facility/Amenity	# of Comments	Percent of Total
More Developments	6	22.2
Signage/Additional Information	5	18.5
Drinking Water	4	14.8
More Law Enforcement	3	11.1
Better Trails	2	7.4
Cost/Fees	2	7.4
Restrooms	2	7.4
Trash Disposal	2	7.4
Crowding	1	3.7
TOTAL	27	100.0

Table C-32. General Visitor Survey Results – Section A-1 – Background Section – Birdsall/Oregon Bar River Access Points.

Q-1. Did you engage in any of the following activities during your visit?

Total # of Respondents	Activity	Frequency	Percent
29	Day use along a stream/river	23	79.3
	Day use or camping in undeveloped areas	5	17.2
	Day use at a developed site	3	10.3
	Reservoir recreation	1	3.4
	Camping at a developed site	0	-
	Fishing	0	-

Analytical Note: Multiple responses were accepted.

Q-2. What type of vehicle did you drive to this area?

Total # of Respondents	Type of Vehicle	Frequency	Percent
29	Car/SUV/Truck	25	86.2
	Camper/RV	0	-
	Motorcycle	0	-
	Multiple Vehicles	0	-
	Other (walked)	4	13.8

Q-3. How many people were in your vehicle?

Total # of Respondents	Average # of people	Standard Deviation	Range (min.-max.)	Total # of People	Frequency	Percent
25	2.4	1.0	1-5	1	3	12.0
				2	13	52.0
				3	6	24.0
				4 or more	3	12.0

Q-4. How many people in your group are in the following age categories?

Total # of Respondents	Total # of People in Group	Age Category	Percent
29	81	Under 18	13.6
		18 or over	86.4

Table C-32. General Visitor Survey Results – Section A-1 – Background Section – Birdsall/Oregon Bar River Access Points (continued).

Q-5. How many and what types of vehicles and trailers did your **group** bring?

Total # of Respondents ¹	Vehicle or Trailer	Frequency ²	Percent ²	Average # per group ³
22	Car/pickup/SUV	22	100.0	1.2
	Boat trailer	0	-	-
	Horse trailer	0	-	-
	Motorcycle	0	-	-
	Motor home/RV	0	-	-
	OHV	0	-	-
	Towed/Trailered Vehicle	0	-	-
	Travel trailer	0	-	-
	Utility trailer	0	-	-
	Other	0	-	-

¹Three respondents indicated that they walked to the facility and were removed from the analysis.

²Includes all responses.

³Includes only responses that provided the number of vehicles in their group.

Q-6. Your place of residence (zip code):

Total # of Respondents	County in California	Frequency	Percent
29	Placer	22	75.9
	Sacramento	3	10.3
	El Dorado	1	3.4
	Nevada	1	3.4
	Location outside of California	Frequency	Percent
	Douglas, NV	2	6.9

Analytical Note: Counties were determined using zip codes provided by the respondent.

Table C-32. General Visitor Survey Results – Section A-1 – Background Section – Birdsall/Oregon Bar River Access Points (continued).

Q-7. What year were you born?

Total # of Respondents	Average Age (years)	Standard Deviation	Age Range (min.-max.)	Age Categories (years)	Frequency	Percent
27	45.6	11.6	28-63	24 or younger	0	-
				25-39	8	29.6
				40-64	19	70.4
				65 or older	0	-

Analytical Note: Ages were determined using birth years provided by the survey respondent.

Q-8. Which cultural or ethnic group do you most closely identify with?

Total # of Respondents	Cultural or Ethnic Group	Frequency	Percent
29	White/Caucasian	23	79.3
	Hispanic or Latino	2	6.9
	American Indian or Alaskan Native	0	-
	Asian	0	-
	Black/African American	0	-
	Native Hawaiian or Pacific Islander	0	-
	Other/Multi-racial	4	13.8

Q-9. What is your primary spoken language?

Total # of Respondents	Primary Language	Frequency	Percent
25	English	24	96.0
	Spanish	1	4.0

Table C-32. General Visitor Survey Results – Section A-1 – Background Section – Birdsall/Oregon Bar River Access Points (continued).

Q-10. Identify the reasons why you chose this area to recreate?

Total # of Respondents	Primary Reason	Frequency	Percent
22	Close to home	15	68.2
	Access to river/stream	2	9.1
	Recreational activities/opportunities in the area	2	9.1
	Scenic quality of the area	2	9.1
	Lack of crowding	1	4.5
	Access to lake/reservoir	0	-
	Cost of facility access fee	0	-
	Presence of on-site manager/host	0	-
	Other	0	-

Analytical Note: Respondents were asked to indicate one primary reason for visiting the area. Seven respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the 22 respondents who correctly answered the question.

Total # of Respondents	Secondary Reason	Frequency	Percent
22	Scenic quality of the area	10	45.5
	Lack of crowding	6	27.3
	Close to home	5	22.7
	Access to river/stream	3	13.6
	Access to lake/reservoir	1	4.5
	Recreational activities/opportunities in the area	1	4.5
	Cost of facility access fee	0	-
	Presence of on-site manager/host	0	-
	Other	3	13.6

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-32. General Visitor Survey Results – Section A-1 – Background Section – Birdsall/Oregon Bar River Access Points (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
Developed campsites	24	Very Important	2	8.3
		Important	3	12.5
		Somewhat Important	5	20.8
		Not Important	14	58.3
Developed picnic sites	23	Very Important	2	8.7
		Important	2	8.7
		Somewhat Important	9	39.1
		Not Important	10	43.5
Flush restrooms	25	Very Important	4	16.0
		Important	5	20.0
		Somewhat Important	4	16.0
		Not Important	12	48.0
Drinking water	25	Very Important	7	28.0
		Important	5	20.0
		Somewhat Important	7	28.0
		Not Important	6	24.0
RV dump station	23	Very Important	1	4.3
		Important	0	-
		Somewhat Important	2	8.7
		Not Important	20	87.0
Boat launch ramps	22	Very Important	0	-
		Important	2	9.1
		Somewhat Important	3	13.6
		Not Important	17	77.3
River put-in/take-out	22	Very Important	4	18.2
		Important	1	4.5
		Somewhat Important	7	31.8
		Not Important	10	45.5
Hiking trails	27	Very Important	19	70.4
		Important	5	18.5
		Somewhat Important	1	3.7
		Not Important	2	7.4

Table C-32. General Visitor Survey Results – Section A-1 – Background Section – Birdsall/Oregon Bar River Access Points (continued).

Q-11. How important are each of the following facilities or amenities when choosing this area to recreate (continued)?

Facility/Amenity	Total # of Respondents	Possible Answers	Frequency	Percent
OHV Trails	23	Very Important	3	13.0
		Important	2	8.7
		Somewhat Important	2	8.7
		Not Important	16	69.6
Mountain bike trails	24	Very Important	9	37.5
		Important	4	16.7
		Somewhat Important	3	12.5
		Not Important	8	33.3
Fishing access trails	23	Very Important	6	26.1
		Important	3	13.0
		Somewhat Important	7	30.4
		Not Important	7	30.4
Equestrian trails	23	Very Important	9	39.1
		Important	1	4.3
		Somewhat Important	5	21.7
		Not Important	8	34.8
Interpretive/ educational exhibits/information	21	Very Important	1	4.8
		Important	3	14.3
		Somewhat Important	9	42.9
		Not Important	8	38.1
Other	2	Very Important	2	100.0
		Important	0	-
		Somewhat Important	0	-
		Not Important	0	-

Table C-32. General Visitor Survey Results – Section A-1 – Background Section – Birdsall/Oregon Bar River Access Points (continued).

Q-12. Identify the activities you engaged in, or expect to engage in, during your trip to this area.

Total # of Respondents	Primary Activity	Frequency	Percent
20	Hiking/walking	15	75.0
	Picnicking in undeveloped sites	1	5.0
	Relaxing	1	5.0
	Reservoir swimming/water-play/sun bathing	1	5.0
	Stream swimming/water-play/sun bathing	1	5.0
	Whitewater boating (rafting, kayaking, canoeing)	1	5.0

Analytical Note: Respondents were asked to indicate one primary activity. A total of nine respondents either did not answer the question or provided multiple primary reasons. These responses were considered invalid and omitted from the analysis. Therefore the analysis is based on the 20 respondents who correctly answered the question.

Total # of Respondents	Secondary Activity	Frequency	Percent
20	Relaxing	5	25.0
	Viewing wildlife, scenery photography, etc.	5	25.0
	Stream swimming/water-play/sun bathing	4	20.0
	Hiking/walking	3	15.0
	Non-motorized reservoir boating (canoeing, kayaking, row boating)	2	10.0
	Picnicking in undeveloped sites	2	10.0
	Horseback riding	1	5.0
	Picnicking in developed sites	1	5.0
	Reservoir fishing	1	5.0
	Reservoir swimming/water-play/sun bathing	1	5.0
	Stream fishing	1	5.0
	Visiting historical/cultural sites	1	5.0
	Whitewater boating (rafting, kayaking, canoeing)	1	5.0

Analytical Note: Multiple responses were accepted. Therefore the sum of the percentages exceeds 100%.

Table C-32. General Visitor Survey Results – Section A-1 – Background Section – Birdsall/Oregon Bar River Access Points (continued).

Q-13. Please rate the availability and adequacy of the following information resources.

Information Resources	Total # of Respondents	Possible Answers	Frequency	Percent
Interpretive/educational information	27	Acceptable	14	51.9
		Somewhat Acceptable	4	14.8
		Not Acceptable	2	7.4
		Not Applicable	7	25.9
Recreation visitor information	25	Acceptable	15	60.0
		Somewhat Acceptable	4	16.0
		Not Acceptable	2	8.0
		Not Applicable	4	16.0
Safety/warning information	27	Acceptable	16	59.3
		Somewhat Acceptable	5	18.5
		Not Acceptable	4	14.8
		Not Applicable	2	7.4
Reservoir water surface elevation information	23	Acceptable	7	30.4
		Somewhat Acceptable	7	30.4
		Not Acceptable	4	17.4
		Not Applicable	5	21.7
River/stream flow information	22	Acceptable	8	36.4
		Somewhat Acceptable	5	22.7
		Not Acceptable	4	18.2
		Not Applicable	5	22.7
Other	0	Acceptable	-	-
		Somewhat Acceptable	-	-
		Not Acceptable	-	-
		Not Applicable	-	-

Q-14. How would you rate your overall recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
29	Very Satisfied	18	62.1
	Satisfied	8	27.6
	Somewhat Satisfied	3	10.3
	Unsatisfied	0	-
	Very Unsatisfied	0	-

Table C-32. General Visitor Survey Results – Section A-1 – Background Section – Birdsall/Oregon Bar River Access Points (continued).

Q-15. Are there additional recreation facilities, amenities, or opportunities that would improve your recreation experience?

Total # of Respondents	Possible Answers	Frequency	Percent
26	Yes	8	30.8
	No	18	69.2

All eight people who said “yes” provided comments which are summarized below by category. One respondent provided comments that describe multiple categories; therefore the total number of comments exceeds the total number of respondents.

Facility/Amenity	# of Comments	Percent of Total
More Developments	3	33.3
More Signage	3	33.3
Cost/Fees	1	11.1
Restrooms	1	11.1
Safety	1	11.1
TOTAL	9	100.0

Appendix D-1
Big Meadows Campground
Inventory

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

Name of Facility:	Big Meadows Campground
Type of Facility:	Campground
Managing Agency:	USDA Forest Service – Eldorado National Forest – Georgetown Ranger District
Date of this Inventory:	August 21, 2008 <i>(updated in 2010 to reflect improvements made in 2008 and 2009)</i>
Inventory Prepared by:	Sandra Walter-Perry (ENTRIX) in consultation with Vicky Jowice (ENF)

BRIEF DESCRIPTION OF SITE:

Big Meadows Campground is accessible from Eleven Pines Road (FR 2) and is located about 2.7 road miles northwest of Hell Hole Boat Ramp. The campground was originally constructed in 1967, improved in 1995 as part of a MFP license agreement, and again in 2008 and 2009. This campground is operated by the ENF in part with funds provided by PCWA. Big Meadows Campground includes 54 family-sized units, one of which is a fully accessible (Site 52). Other amenities located within the campground boundaries include bathrooms with flush toilets, vault toilets, bear-proof garbage bins, bear-proof food storage lockers, and faucets with potable water.

OVERALL CONDITION OF FACILITY:

<p>Condition of Facility: The road from FR-2 to the Big Meadows Campground (14N43) is generally in fair condition, but potholes near the entrance and at various locations along the road should be repaired. The fee station sign frames are in good condition, but the signs are damaged. All of the bathrooms have either been upgraded or replaced with modern, accessible, pre-fabricated precast concrete toilets (CXTs). The bear-proof garbage containers and bear-proof food storage lockers are in good condition. All sites have accessible fire rings with grills. The tables are in fair to good condition and PCWA has been recently replaced many of the old wood tables with new accessible tables. The parking spurs are paved but the surface on many of the spurs is in poor condition due to potholes and other damage.</p>
<p>Accessibility Conditions: One of the campsites (Site 52) is fully accessible. All of the sites have accessible fire rings. Some of the sites have accessible tables. All of the faucets have been replaced and are accessible. All of the bathrooms are accessible. Most of the site spurs are not wide enough to meet accessibility standards, but some were recently widened.</p>
<p>Health and Safety Concerns: The potable water source for this facility is the Big Meadows Water Supply. According to the Forest Service, the Big Meadows Water Supply distribution lines sometimes break and water samples sometimes do not meet water quality standards.</p>
<p>Environmental and Cultural Concerns: The Big Meadows Campground encompasses an NRHP-eligible prehistoric cultural resource (FS-05-03-53-65). The Forest Service has developed a management plan to help protect cultural resources at this site. The management plan includes development and installation of interpretative signage/displays.</p>
<p>Comments: The information contained on this form was developed during a site visit conducted on August 21, 2008. During the site visit, PCWA was just beginning to upgrade certain features at the site, including replacing and adding barrier rock and barrier posts, grading and extending parking spurs, and replacing culverts. Information about improvements that occurred after the site visit was provided by V. Jowice (ENF) and Steve Jones (PCWA).</p>

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

FACILITY FEATURES

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility						Comments
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Fee Tube	1	Adjacent to fee station	Painted steel		Good	Y						Pathway is paved and in good condition.
Bathroom	4	Throughout campground	Single unit CXT	Vault	Good	Y						All old wood vault bathrooms have been replaced with modern CXTs
Bathroom	1	East side of campground Adjacent to site 38.	Double unit CXT	Vault	Good	Y						New as of 2008/2009 rehab effort.
Bathroom	1	West side of campground, adjacent to accessible Site 52.	Painted wood.	Flush	?	Y						Closed for repair during site visit. Converted to be accessible by PCWA in 1995.
Faucet	4	Throughout campground	Upright attached to wood posts set in a plastic sump filled with drainage rock	Potable water	Good	N						Sump/drain is set at grade

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

FACILITY FEATURES (continued)

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility						Comments	
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other		
Faucet	6	Throughout campground	Upright attached to wood posts set in a round corrugated steel sump filled with drainage rock	Potable water	Fair	N						X	Not accessible design. At least some of these were replaced with accessible units in 2008.
Garbage Containers	7 (2-bin)	Throughout campground	Steel	Bear-proof	Good	N						X	Garbage containers are not considered accessible due to handle design. Installed on concrete pads.
Garbage Containers	3	Adjacent to bathroom near Site 52.	Plastic	Standard trash cans	Good	Y							

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

PARKING, ROADWAYS and TRAVEL PATHS

Feature	Quantity or Dimensions	Location or Description	Material	Cond	Accessibility						Comments
					Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Gate	1	At entrance to 14N43	Painted steel swing gate w/ 2 reflective hazard signs	Good	NA						Paint fading/flaking.
Main Access Road (14N43)	Approx. 1,056 feet long by 12-foot wide (single lane)	As measured from entrance at FR 2 to "Y" at start of campground loops. This road is identified as 14N43 and includes 418' feet of road that crosses private property.	Asphalt (AC)	Fair/Poor	Y						Road entrance near FR 2 is in poor condition. Potholes/raveling along edges. See detailed road survey for additional information.
Turn-out	Approx. 1,500 square feet	Adjacent to fee station.	Asphalt (AC)	Good	Y						In condition. See detailed road survey for additional information.
Loop roads	Approx. 3,800 feet total (mostly single lane)	Outer Loop Road, Center Road and Loop Return Road	Asphalt (AC)	Fair/Poor	Y						Asphalt is mostly in fair condition. Some alligator cracking and potholes/raveling along edges. See detailed road survey for additional information.
Barrier Posts	377 single and 41 double	Throughout campground	PTDF	Good	NA						Additional barrier posts were added in 2008.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

PARKING, ROADWAYS and TRAVEL PATHS (continued)

Feature	Quantity or Dimensions	Location or Description	Material	Cond	Accessibility						Comments
					Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Barrier Rock	534	Throughout campground	Rock	Good	NA						Additional barrier rock was added in 2008.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE

Type of Sign	Location	Qt.	Material	Cond	Wording/Graphics	Remarks	Accessibility Notes
Site Identification	South side of entrance	1	Painted MDO plywood on masonry structure (double sided)	Good	ELDORADO <i>National Forest</i> CAMPGROUND Big Meadows		
Historical Marker	Entrance, near Site ID sign, adjacent to road	1	Painted aluminum on PTFDF post	Good	GEORGETOWN DISTRICT HISTORY TOUR 13		
Message Post	Entrance, adjacent to Site ID sign	1	Painted MDO plywood board on PTFDF post	Poor	VISITOR MESSAGE POST	Very poor condition. Delaminating wood, faded and peeling paint, bullet holes	
Regulatory	Entrance, adjacent to Site ID sign	1	Aluminum sign on PTFDF post	Good	U.S. FEE AREA (rounded triangle shape)		
Road Identification	Entrance, adjacent to Site ID sign	1	Carsonite post	Good	14N43		
Traffic	On gate near entrance	1	Painted aluminum hanging from gate (single sided)	Good	ROAD CLOSED		
Traffic	On gate near entrance	2	Painted aluminum hanging from gate (single sided)	Good	Red and white striped hazard placards		
Traffic	At intersection of entrance road and south camping loop	1	Aluminum sign on PTFDF post	Fair	KEEP RIGHT	Functional but paint is peeling	

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE (continued)

Type of Sign	Location	Qt.	Material	Cond	Wording/Graphics	Remarks	Accessibility Notes
Traffic	At intersection of entrance road and south camping loop	1	Aluminum sign on PTFD post	Fair	SPEED LIMIT 5	Functional but paint is peeling	
Fee Station	At turnout just west of camping loops	1	Painted MDO plywood board mounted on painted wood crossbars on painted wood posts	Good	FEE PROCEDURE engraved and painted with explanatory poster		Board titles area painted white for contrast.
		1	Painted aluminum placard on painted MDO plywood board (framed) mounted on painted wood post located behind fee tube	Fair	STOP PAY HERE	Sign is functional but paint is fading. Paint on mounting board is peeling.	Information on posters is not readable from a distance.
		1	Painted MDO plywood board mounted on painted wood crossbars on painted wood posts	Good	Information posters	Minor paint peeling along edges of board and on crossbars	Access to information boards is good because area surrounding fee station is level and paved.
		1	Painted MDO plywood board mounted on painted wood crossbars on painted wood posts	Good	FOREST NEWS engraved and painted with "No Campfires" poster	Minor paint peeling along edges of board and on crossbars. Minor damage on title frame	
		1	Painted MDO plywood board mounted on painted wood crossbars on painted wood posts	Good	Information posters	Minor paint peeling along edges of board and on crossbars. Minor damage along edges of board.	
		1	Painted MDO plywood board mounted on painted wood crossbars on painted wood posts	Good	MESSAGES engraved and painted with regulatory posters	Minor paint peeling along edges of board and on crossbars. Minor damage on title frame	

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE (continued)

Type of Sign	Location	Qt.	Material	Cond	Wording/Graphics	Remarks	Accessibility Notes
Traffic	At speed bump at beginning of south camping loop.	1	Painted plywood on steel post	Poor	BUMP	Plywood is delaminating and paint is fading. Sign is also too low and leaning.	
Directional	At intersection of north and south campground loops	1	Painted redwood sign with engraved and painted letters ON PAINTED WOOD POST	Fair	← UNITS 22 TO 35 UNITS 36 TO 55 ↑	Paint on sign (including lettering) and post has almost completely worn off.	
Unit Identification	Adjacent to each camp site	50	Wood posts (some redwood, some PDLF) with engraved, painted number	Good	Unit numbers	Unit 1 post has fallen over. Missing posts at units: 14, 17, 18, 43	

Note: An interpretative sign was recently installed across from Site 1. However, this sign was not present during the site visit, and as such, was not assessed.

Appendix D-2
Big Meadows Campground
Photographs



Photo D-2-1. Site identification sign at entrance to Big Meadows Campground. (8/21/08)



Photo D-2-2. Other signage at entrance to Big Meadows Campground. (8/21/08)



Photo D-2-3. Poor condition road surface at entrance to Big Meadows Campground. (8/21/08)



Photo D-2-4. Poor condition road surface at entrance to Big Meadows Campground. (8/21/08)



Photo D-2-5. Painted steel swing gate with reflective hazard signs at entrance to Big Meadows Campground. (8/21/09)



Photo D-2-6. Poor condition pavement along 14N43, the access road to Big Meadows Campground (8/21/08).



Photo D-2-7. Turn out and fee station at edge of Hell Hole Campground Parking Area. (8/21/08)



Photo D-2-8. Example campsite parking spur (Site 1). This spur is a "trailer spur", 40' long x 10' wide. (8/21/08)



Photo D-2-9. Example of poor condition pavement in campsite spur. (8/21/08)



Photo D-2-10. Fully accessible site – Site 52. (8/21/08)



Photo D-2-11. Bathroom with flush toilets located near Site 52. This bathroom was converted to be accessible by PCWA in 1995. (8/21/08)



Photo D-2-12. Accessible fire rings with grills like this one are available at all of the sites in Big Meadows Campground. (8/21/09)



Photo D-2-13. Vandalized fire ring (Site 27). (8/21/08)



Photo D-2-14. Example of a double accessible table in good condition. (8/21/08)



Photo D-2-15. New single-unit, pre-cast concrete toilet (CXT) – accessible. Note that ramp is missing handrail. The handrail was added later in 2008.



Photo D-2-16. Example water faucet - accessible (8/21/08)

Appendix E-1
Hell Hole Campground
Inventory

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

Name of Facility:	Hell Hole Campground
Type of Facility:	Campground
Managing Agency:	USDA Forest Service – Eldorado National Forest
Date of this Inventory:	August 21, 2008
Inventory Prepared by:	Sandra Walter-Perry (ENTRIX) in consultation with Vicky Jowice (ENF)

BRIEF DESCRIPTION OF SITE:

Hell Hole Campground is accessible via Eleven Pines Road (FR 2), and located about 1.3 road miles northwest of Hell Hole Boat Ramp. The campground was originally constructed in 1967 as a picnic area and was later converted to a campground. Hell Hole Campground currently includes 10 family-sized units. All of the units are walk-in tent units, with parking available in a central parking area. Trailers are not recommended due to limited parking space. None of the units are designated handicapped accessible. However, one site (Sites 1) is designed to meet accessibility standards, and accessible features such as picnic tables and fire rings are available in some of the other sites. One vault toilet and one water faucet is available. Other amenities located within the campground boundaries include bear-proof garbage bins and bear-proof food storage lockers. This campground is operated and maintained by the ENF in part with funds provided by PCWA.

OVERALL CONDITION OF FACILITY:

<p>Condition of Facility: The road from FR-2 to the parking area is generally in fair condition, but potholes near the entrance and at various locations along the road should be repaired. Adjacent drainage should be cleared. Similarly, the parking area is generally in good condition, but potholes around the margins should be repaired. The bathroom and fee station is in good condition. Signage ranges from poor to good condition. The bear-proof garbage containers are in good condition. The bear-proof food storage lockers are relatively new and in good condition. Steel fire rings are in fair to good condition but some should be reset and some should be painted. The tables are in fair to good condition. Concrete/steel fire grills are in poor to good condition.</p>
<p>Accessibility Conditions: The parking area grade is accessible but there are no designated handicap parking spaces. One of the picnic sites (Site 1) meets accessibility standards but is not marked as a handicapped accessible site. An accessible pathway is present between the parking area and Sites 1 and 3. Accessible fire rings are available in all of the sites but some are not set properly. A few accessible picnic tables are available.</p>
<p>Health and Safety Concerns: Hazard trees in campground. Water supply samples sometimes do not meet standards and distribution lines break.</p>
<p>Environmental and Cultural Concerns: One NRHP-eligible cultural resource (FS-05-04-53-64) located within facility boundary. Stebbins' Phacilia within and along southeast facility boundary.</p>
<p>Comments: Poor drainage between fee station and vault toilet is damaging fee station area.</p>

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

FACILITY FEATURES

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility						Comments	
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other		
Garbage Containers	2 (2-bin)	Adjacent to parking area, near fee station	Steel	Bear-proof	Good	N						X	Garbage containers are not considered accessible due to handle design. One green, one brown, both on concrete pads.
Garbage Containers	3	Adjacent to bathroom	Plastic	Standard trash cans	Good	Y							Recycling center. Pathway is not accessible due to level changes and obstacles.
Bathroom	1 single unit	Adjacent to parking area, near fee station	CXT	Vault	Good	Y							Bathroom was installed in 2001 and is in good condition. Pathway is not accessible due to level changes and obstacles.
Faucet	1	Between CXT and fee station	Upright attached to wood posts set in a round corrugated steel sump filled with drainage rock	Potable water	Fair	Y							Has accessible handle. Sump has been filled with sediment due to poor drainage.
Faucet	1	In campground	Upright attached to wood posts set in a round corrugated steel sump filled with drainage rock	Potable water	Poor	NA							Not operational.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

FACILITY FEATURES (continued)

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility						Comments
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Fee Tube	1	Adjacent to fee station	Painted steel		Good	Y						Pathway is not accessible due to level changes and obstacles.
Water Valve Boxes	2	Adjacent to parking area	Prefab concrete		Good	NA						Site is supplied by water system at Big Meadows CG. This system supplies Big Meadows CG, HH CG, and HH station. Water distribution lines break. Water samples sometimes exceed standards. Source questionable.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

PARKING, ROADWAYS and TRAVEL PATHS

Feature	Quantity or Dimensions	Location or Description	Material	Cond	Accessibility						Comments
					Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Access Road	Approx. 320 feet long by 12-foot wide (single lane)	As measured from entrance at FR 2 to parking area. This road is identified as 14N37.	Asphalt	Fair	Y						Potholes at road entrance and occasionally along road, particularly near small (3-4 vehicle) turnout along road. See detailed road survey for additional information.
Turn-out	Approx. 1,700 square feet	Along 14N37, on west side of access road.	Asphalt paved	Good/ Fair	Y						Will accommodate 3-4 vehicles. Potholes present.
Posts	2	At entrance to 14N37	1 is steel on concrete base. 1 is painted (green steel)	Fair	NA						Appear to be for a chain fence. Paint is flaking.
Parking	Approx. 5,500 square feet	At end of 14N37	Asphalt	Good/ Fair	Y						Overall the parking lot is in good condition but potholes are present along edges. Drainage ditch around edge should be cleared. Not striped. No designated accessible parking stalls.
Barrier Rock	26	Southeast edge of parking area	Rock	Good	NA						

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

PARKING, ROADWAYS and TRAVEL PATHS (continued)

Feature	Quantity or Dimensions	Location or Description	Material	Cond	Accessibility						Comments
					Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Barrier Posts	6	Southeast edge of parking area	Wood	Good	NA						
Accessible Pathway	Approx. 210 feet	170' from parking area to Site 3 plus 40' to Site 2	¾ " Crushed rock	Good	Y						The crushed rock is too soft for wheelchair access.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE

Type of Sign	Location	Qt.	Material	Cond	Wording/Graphics	Remarks	Accessibility Notes
Site Identification	Entrance (north side)	1	Painted MDO plywood on masonry structure (double sided)	Good	ELDORADO National Forest CAMP GROUND Hell Hole		
Road Identification	Entrance (north side)	1	Carsonite marker	Fair	14N37	Functional but painted numbers are fading	
Message Post	Entrance (south side)	1	MDO plywood board on PTDF post	Poor	VISITOR MESSAGE POST	Very poor condition. Delaminating wood, faded and peeling paint	
Traffic	About 50 feet from exit	1	Aluminum sign on wood post	Good	STOP	Sign is in good condition but paint on post is peeling	
Fee Station	Adjacent to parking area, near toilets	1	Painted MDO plywood board on painted wood post	Good	FEE AREA Read Instructions Carefully (poster)		Board titles are painted white for contrast.
		1	Painted MDO plywood board mounted on painted wood crossbars on painted wood posts	Good	FEE PROCEDURE engraved and painted with explanatory poster		Information on posters is not readable from a distance.
		1	Painted MDO plywood board mounted on painted wood crossbars on painted wood posts	Good	REGULATIONS engraved and painted with explanatory posters		Area surrounding fee station is level with crushed aggregate base (not well compacted.).
		1	Paper or Mylar	Good	NO CAMPFIRE	Attached (stapled) to FEE PROCEDURE and REGULATIONS board posts	

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE (continued)

Type of Sign	Location	Qt.	Material	Cond	Wording/Graphics	Remarks	Accessibility Notes
Information Board	Adjacent to parking area	1	Painted MDO plywood board mounted on painted wood crossbars on painted wood posts	Good	INFORMATION engraved and painted with explanatory posters		Information on posters is not readable from a distance. Area surrounding information board is level with minor obstacles and forest debris.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SITE/UNIT FEATURES

Site #	Host Site	Designated Accessible Site?	Accessibility Constraints				Remarks	Spur				Site Signs						Stoves, Grills, Fire Rings and Bear Boxes										Tables					Other	
			Needs Leveling	Obstacles	Excessive Brush/Veg	Adequate Clear Space		Size	Material	Condition	Remarks	Site Marker	Material	Condition	Other Signage	Material	Condition	Concrete Stove	Steel Stove	Steel Fire Ring	Fire Ring with Steel Grill	HC Fire Ring with Adj. Grill	Ped. Grill	HC Ped Grill	Double Ped. Grill	HC Double Ped Grill	Bear Box	Condition	Remarks	Wood Table (Light)	Wood Table (Heavy)	HC Table (light)		HC Double Table (light)
1		No	No	No	No	Yes	Site is entirely accessible but is not designated as handicap accessible. *Needs minor leveling.	NA	NA	NA	Walk-in site	X	PTDF	Good					1						1	Good/Good	Fire ring is rusted.			1		Good	Wood planks on steel base	Accessible path from Site 1 to parking area.
2		No	Yes	Yes	Yes	No	Accessible path to site.	NA	NA	NA	Walk-in site	X	PTDF	Good					1						1	Good/Good	Fire ring is rusted.		1		Good		Hazard trees present. Accessible path from Site 2 to parking area.	
3		No	No	No	No	Yes	Accessible path to site.	NA	NA	NA	Walk-in site	X	PTDF	Good					1						1	Good/Good	Fire ring is rusted.		1		Good		Accessible path from Site 3 to parking area.	
4		No	Yes	Yes	Yes	No	Needs minor leveling. Access to site is difficult	NA	NA	NA	Walk-in site	X	PTDF	Good					1						1	Poor/Good/Good	Concrete stove is damaged and in poor condition. Fire ring is surrounded in boulders that should be removed.		1		Good			
5		No	No	No	No	No	Needs minor leveling. Access to site is difficult	NA	NA	NA	Walk-in site	X	PTDF	Good					1						0	Good	Bear box is in good condition. Fire ring is rusted.		1		Fair	Paint is flaking.		
6		No	No	No	No	Yes	Needs minor leveling. Access to site is difficult	NA	NA	NA	Walk-in site	X	PTDF	Good					1						0	Good/Good	Fire ring is rusted.	1	1		Good	Light table is wood plank on steel base.		
7		No	Yes	Yes	No	No	Obstacles present. Needs minor leveling. Access to site is difficult.	NA	NA	NA	Walk-in site	X	PTDF	Good					1						0	Good*	Fire ring is in good condition but is sitting on rocks. Needs to be reset.		1		Fair		Paint is flaking.	
8		No	No	Yes	No	Yes	Needs minor leveling. Could be made accessible - Gentle slope, not many obstacles.	NA	NA	NA	Walk-in site	X	PTDF	Good					0						1	Good/Good			1		Good			
9		No	No	Yes	No	Yes	Needs minor leveling. Could be made accessible - Gentle slope, not many obstacles.	NA	NA	NA	Walk-in site	X	PTDF	Good					1						1	Good			1		Fair		Table is functional but in need of new paint. Benches are cracked.	
10		No	No	Yes	No	Yes	Needs minor leveling. Could be made accessible - Gentle slope, not many obstacles.	NA	NA	NA	Walk-in site	X	PTDF	Good					1						1	Good			1		Good			
0		0																	10															

Notes:

- NA - Not applicable.
- HC - Handicap Accessible
- PTDF - Pressure Treated Douglas Fir
- AC - Asphaltic Concrete, otherwise known as asphalt or pavement
- AO - Asphalt Overlay - A top coat of AC applied to a previously paved surface.
- Chip seal - Oil and crushed rock (usually 1/4") applied over a previously paved surface
- Crushed rock - Clean (no fines) crushed rock, usually 1/4" or 3/4"
- Aggregate Base - A combination of crushed rock, sand and clay. The fines make aggregate base compactable.

Appendix E-2
Hell Hole Campground
Photographs



Photo E-2-1. Site identification sign and carsonite road marker at entrance to Hell Hole Campground. The road on the left side of the photograph is FR-2. (8/21/08)



Photo E-2-2. Road to Hell Hole Campground near entrance. This road is identified by the Forest Service as 14N37. (8/21/08)



Photo E-2-3. Poor condition road surface at entrance to Hell Hole Campground. (8/21/08)



Photo E-2-4. Photo E-14. Visitor message post, poor condition. (8/21/09)



Photo E-2-5. Pothole in road near turn-out. (8/21/08)



Photo E-2-6. Hell Hole Campground Parking Area. (8/21/08)



Photo E-2-7. Poor condition pavement at edge of Hell Hole Campground Parking Area. (8/21/08)



Photo E-2-8. Water valve box on northwest side of parking area. (8/21/08)



Photo E-2-9. Water valve box on southeast side of parking area. (8/21/08)



Photo E-2-10. Drainage into parking area. (8/21/08)



Photo E-2-11. Hell Hole Campground parking area with bathroom and fee station are in background. (8/21/08)



Photo E-2-12. Fee station between parking area and campground. Note water faucet on left side of photograph. (8/21/09)



Photo E-2-13. Information board adjacent to fee station. (8/21/08)



Photo E-2-14. Single unit, accessible, vault toilet adjacent to fee station. Note poor drainage conditions between water faucet and toilet. (8/21/08)



Photo E-2-15. Garbage bins located between fee station and parking area. (8/21/09)



Photo E-2-16. Single-unit, accessible, vault toilet and recycling bins. (8/21/08)



Photo E-2-17. Out of service water faucet. (8/21/09)



Photo E-2-18. Accessible path between parking area and Sites 1 and 2. (8/21/08)



Photo E-2-19. Site 1 with level surface, ample clear space, accessible table and accessible fire pit. (8/21/09)



Photo E-2-20. Example site – Site 2. (8/21/08)



Photo E-2-21. Hazard tree near Site 2. (8/21/08)



Photo E-2-22. Example site – Site 3. Site is accessible but table is not. (8/21/09)



Photo E-2-23. Example site – Site 6. This site overlooks Hell Hole Reservoir. (8/21/09)

Appendix F-1
Upper Hell Hole Campground
Inventory

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

Name of Facility:	Upper Hell Hole Campground
Type of Facility:	Boat-in/Hike-in Campground
Managing Agency:	USDA Forest Service – Eldorado National Forest – Georgetown Ranger District
Date of this Inventory:	August 4, 2008
Inventory Prepared by:	Sandra Walter-Perry (ENTRIX) in consultation with Vicky Jowice (ENF)

BRIEF DESCRIPTION OF SITE:

Upper Hell Hole Campground is located on the southeast shore of Hell Hole Reservoir, about four miles from Hell Hole Boat Ramp. The campground was constructed in 1967. According to the Forest Services’ 1999 Site Action Plan, the campground includes 15 sites. However, during the August 20, 2008 site visit, only 13 sites could be located. The campground is accessible by boat or by a four-mile long trail (14E02.3). Potable water is not available and none of the sites are considered disabled accessible. Two sets of pit toilets are available. The site is operated and maintained by the ENF in part with funds provided by PCWA.

OVERALL CONDITION OF FACILITY:

<p>Condition of Facility: Overall facility condition is fair to poor. All of the site signage is either missing or in poor condition. The two sets of pit toilets are outdated and in poor condition. Most of the individual sites are in fair condition, but several are in poor condition due to encroaching vegetation and obstacles such as downed trees. One site is unusable in its current condition due to overgrown vegetation. Most sites have outdated and damaged masonry stoves. User-created fire rings are present in several of the sites. All tables are constructed of heavy wood and are in good condition, with the exception of flaking paint.</p>
<p>Accessibility Conditions: Some of the sites have accessible fire rings. Otherwise, none of the sites are accessible. None of the pit toilets are accessible.</p>
<p>Health and Safety Concerns: Hazard trees in campground.</p>
<p>Environmental and Cultural Concerns: One isolated artifact and three cultural resources, including two NRHP-eligible cultural resources (FS-05-03-55-682 and FS-03-55-201) are located in close proximity to the campground. Stebbins’ Phacilia is prevalent near the west side of the campground boundary. A bald eagle nest is located within about .6 miles of the campground.</p>
<p>Comments: According to the Forest Services’ 1999 Site Action Plan, “the ROS class is semi-primitive motorized, with access via boat or 3 miles of hiking trail from the dam. The trail is a very rough and steep with many rock outcroppings. Boat access is very difficult due to the fluctuating water levels and the steep shoreline at this site. Therefore, major landscape modifications would be required to make even a portion of the site accessible at a difficult level of access without altering the landscape character and experience level of the site.”</p>

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

FACILITY FEATURES

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility						Comments
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Bathroom	4	Two single units (M & F) at two separate locations in campground	Painted wood	Pit	Poor	N						Outdated and in poor condition. Stalls are too high and narrow to meet accessibility standards.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE

Type of Sign	Location	Qt.	Material	Cond	Wording/Graphics	Remarks	Accessibility Notes
Site Identification	Shoreline	1	INFRA indicates this sign was steel	NA		This sign is discussed in INFRA and Action Plan but is not present at site.	Action Plan indicates that this sign was readable from a boat
Unit Signs	At each site	13	INFRA indicates that these signs are redwood	NA		These signs area included in INFRA but were not observed on site	
Information Board	Immediately west of Toilets 1 and 2	1	Painted MDO plywood board on painted wood posts	poor	Regulatory posters	Board has no frame and is badly damaged. Needs to be replaced	Posters are too small to see from a distance. Insufficient clear space around board.
Information Board	Immediately east of Toilets 1 and 2	1	Wood posts and cross bars. Missing info board.	poor	None	Board is missing and needs to be replaced. Support structure is in good condition.	Insufficient clear space.
Trail Marker	Trailhead	1	Redwood sign mounted on redwood post with engraved, painted lettering	good	← TRAIL		

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SITE/UNIT FEATURES

Site #	Host Site	Designated Accessible Site?	Accessibility Constraints				Remarks	Spur				Site Signs						Stoves, Grills, Fire Rings and Bear Boxes											Tables				Other Remarks	
			Needs Leveling	Obstacles	Excessive Brush/Veg	Inadequate Clear Space		Size	Material	Condition	Remarks	Site Marker	Material	Condition	Other Signage	Material	Condition	Masonry Stove	Steel Stove	Steel Fire Ring	Fire Ring with Steel Grill	HC Fire Ring with Adj. Grill	Ped. Grill	HC Ped Grill	Double Ped. Grill	HC Double Ped Grill	Bear Box	Condition	Remarks	Wood Table (Light)	Wood Table (Heavy)	HC Table (light)		HC Double Table (light)
1		No	X	X			Needs minor leveling and obstacles (rocks) removed.					None				X										Poor	Masonry/steel stove is outdated and should be removed. Rock fire ring also present.		1			Fair	Needs paint	
2		No	X	X			Needs minor leveling and obstacles (rocks) removed.					None				X										Poor	Masonry/steel stove is outdated and should be removed. Rock fire ring also present.		1			Fair	Needs paint	
3		No		X			Needs obstacles (rocks) removed.					None				X			X						Poor/Good	Masonry/steel stove is outdated and should be removed. HC fire ring is new and in good condition.		2			Fair	Needs paint. One table is from Site 4.	Hazard trees present.	
4		No	X	X			Needs minor leveling. Obstacles include rocks and tree debris.					None				X									Poor	Masonry/steel stove is outdated and should be removed. Rock fire ring also present.		0			NA	Table is at Site 4		
5		No	X	X	X		Many obstacles, including large boulders, tree debris, and encroaching vegetation.					None				X									Poor	No grill on stove. Rock fire ring also present.		1			Fair	Needs paint. One table board is warped and cracked.		
6		No	X	X			Needs minor leveling and obstacles (rocks) removed. Bedrock outcrops surrounding site.					None				X			X						Poor/Good	Masonry/steel stove is outdated and should be removed. HC fire ring is new and in good condition.		1			Fair	Needs paint.		
7		No	X	X			Needs minor leveling and obstacles (rocks) removed.					None				X									Poor	Masonry/steel stove is outdated and should be removed. Rock fire ring also present.		1			Fair	Needs paint.		
8		No	X	X	X		Cannot be leveled due to bedrock outcrops					None				X									Poor	Masonry/steel stove is outdated and should be removed. Rock fire ring also present.		1			Fair	Needs paint. Table boards are warped.	Brush encroaching on site. 3 dead trees on site.	
9		No	X	X	X	X	Excessive slope.					None				X									Poor	Masonry/steel stove is outdated and should be removed.		1			Poor	Wood is dried and cracked. Table boards are warped.	Encroaching brush. Tree debris.	
10		No	X	X								None				X									Poor	Masonry/steel stove is outdated and should be removed. Rock fire ring also present.		1			Fair	Needs paint.	Encroaching brush.	
11		No	X	X	X		Lots of tree debris and rocks.					None				X									Poor	Masonry/steel stove is outdated and should be removed. Rock fire ring also present.		1			Fair	Needs paint.		
12		No	X	X	X		Excessive brush. Cannot be leveled due to bedrock outcrops.					None				X									Poor	Masonry/steel stove is outdated and should be removed. Rock fire ring on bedrock is also present.		1			Fair	Needs paint.	Vegetation has taken over site due to lack of use.	
13		No	X	X	X	X	Excessive brush.					None				X									Poor	Masonry/steel stove is outdated and should be removed.		1			Fair	Table is completely covered in vegetation.	Vegetation has taken over site due to lack of use.	
0																13																		

Notes:

- NA - Not applicable.
- HC - Handicap Accessible
- PTDF - Pressure Treated Douglas Fir
- AC - Asphaltic Concrete, otherwise known as asphalt or pavement
- AO - Asphalt Overlay - A top coat of AC applied to a previously paved surface.
- Chip seal - Oil and crushed rock (usually 1/4") applied over a previously paved surface
- Crushed rock - Clean (no fines) crushed rock, usually 1/4" or 3/4"
- Aggregate Base - A combination of crushed rock, sand and clay. The fines make aggregate base compactable.

Appendix F-2
Upper Hell Hole Campground
Photographs



Photo F-2-1. Pit toilets 1 and 2. (8/4/08)



Photo F-2-2. Pit toilets 3 and 4. (8/4/08)



Photo F-2-3. Example of inside of pit toilet. (8/4/08)



Photo F-2-4. Example of inside of pit toilet. (8/4/08)



Photo F-2-5. Heavy wood table and rock fire ring at site 2. (8/4/08)



Photo F-2-6. Site 3 with two heavy wood tables and one accessible fire ring. (8/4/08)



Photo F-2-7. Site 4. (8/4/08)



Photo F-2-8. Site 5. (8/4/08)



Photo F-2-9. Picnic table at Site 6. Note hazard trees in middle ground. (8/4/08)



Photo F-2-10. Accessible fire ring at Site 6. (8/4/08)



Photo F-2-11. Masonry stove at Site 6. (8/4/08)



Photo F-2-12. Site 8. Note encroaching brush. (8/4/08)



Photo F-2-13. Site 9. (8/4/08)



Photo F-2-14. Site 10. (8/4/08)



Photo F-2-15. Site 11. (8/4/08)



Photo F-2-16. Site 12. (8/4/08)



Photo F-2-17. Masonry stove and rock fire ring at Site 12. (8/4/08)



Photo F-2-18. Site 13. (8/4/08)



Photo F-2-19. Overgrown table at Site 13. (8/4/08)



Photo F-2-20. Trail from upper part of campground. (8/4/08)



Photo F-2-21. Stairs between Sites 4 and 5. (8/4/08)



Photo F-2-22. Stairs between Sites 5 and 6. (8/4/08)

Appendix G-1

**Hell Hole Vista
Inventory**

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

Name of Facility:	Hell Hole Vista
Type of Facility:	Day Use/Overlook
Managing Agency:	USDA Forest Service – Eldorado National Forest – Georgetown Ranger District
Date of this Inventory:	August 20, 2008
Inventory Prepared by:	Sandra Walter-Perry (ENTRIX) in consultation with Vicky Jowice (ENF)

BRIEF DESCRIPTION OF SITE:

Hell Hole Vista is located northwest of Hell Hole Reservoir and overlooks Hell Hole Reservoir. The vista is located along Eleven Pines Road (FR 2), about 1.7 road miles from the Hell Hole Boat Ramp. The vista area consists of a parking area, a trail, and a vista point enclosed in a masonry wall. The parking area is separated from the trail and vista by FR-2. Amenities at this site include: a single-unit, accessible pre-cast concrete toilet (CXT), a double-bin bear-proof garbage bin, a picnic table, and signage. Potable water is not available.

The vista was originally constructed in 1967 but has since been upgraded. For example, the trail (including the masonry stairs) was upgraded in 2007 and an interpretative sign was installed in the vista area in May 2009. The vista is operated and maintained by the Forest Service in part with funds provided by PCWA.

OVERALL CONDITION OF FACILITY:

<p>Condition of Facility. The parking area is in poor condition. The parking area is paved but the pavement has deteriorated to base rock in parts and several potholes are present. The CXT is relatively new and in good condition. The trail includes paved pathways and landings, masonry stairs, and steel handrails. All of these components were recently upgraded and therefore are in good condition. One picnic table located along the trail is in poor condition. The vista is surrounded by a masonry wall, which is in good condition. The surface of the vista appears to have been paved or chip sealed but grasses are protruding through the pavement and overall the surface is in poor condition.</p>
<p>Accessibility Conditions: The parking area does not include any designated handicap parking areas. The surface does not meet accessibility standards in some areas due to potholes, level changes, and poor surface conditions. The CXT in the parking area is accessible. However, the surface area surrounding the CXT is not well consolidated. The picnic table does not have sufficient clear space. The trail traverses relatively steep terrain and is not accessible due to level changes, obstacles (e.g. stairs), and excessive running and cross slopes. The vista is not accessible due to level changes and obstacles.</p>
<p>Health and Safety Concerns: No potable water.</p>
<p>Environmental and Cultural Concerns: None</p>
<p>Comments: According to the Forest Services 1999 Site Action Plan, “This site is not wheelchair accessible due to the rocky terrain and the steps constructed in the trail to the overlook. To make this site accessible at an easy to difficult access level would require major modifications to the site that would alter the landscape character and experience level.”</p>

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SITE FEATURES

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility						Comments
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Bathroom	Single-unit CXT	Near southwest end of parking area	Pre-cast concrete	Vault	Good	Y						CXT is in good condition. Entrance path to CXT is wide and clear of obstacles but surface is not firm.
Garbage Containers	1 (2-bin)	Adjacent to CXT.	Steel	Bear-proof 32-gallon	Good	N					X	This garbage container is in good condition but is not considered accessible due to the design of the handles.
Tables	1	Located along trail at the top of the ridge halfway to the overlook.	Painted wood on galvanized steel frame	Light	Poor	N	X	X	X	X	X	The table is in poor condition and should be replaced or removed. The area surrounding the table is not accessible due to rocky level changes and obstacles, including rocks and vegetation.
Vista	Approximately 650 square feet.	At end of trail, overlooking Hell Hole Reservoir	Combination of paved, masonry and native surface surrounded by masonry wall	Overlook	Poor to fair	N	X	X	X	X	X	The vista is located on a rocky outcrop and is not accessible due to level changes and obstacles.
Masonry wall	Approx. 3.75' x 1.5' x 35' (196 sq. ft.)	Surrounding vista	Rock and cement	Seawall	Good	Y						

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

PARKING, ROADWAYS and TRAVEL PATHS

Feature	Quantity or Dimensions	Location or Description	Material	Cond	Accessibility						Comments
					Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Pathway (Trail)	Approx. 300 feet long from entrance at FR-2 to vista. Width varies from about 3-6 feet.	Connects parking area to vista.	Paved pathway with masonry stairs and paved landings.	Good	N	X	X	X	X	X	The trail traverses rocky, steep terrain. Grades exceed 8% - 10% in parts and stairs preclude access by people in wheelchairs.
Masonry Steps	32	Along trail between entrance and vista, and within vista.	Rock and cement	Good	N	X	X	X	X	X	
Handrail	73 feet	Along pathway, adjacent to stairs.	Painted (green) steel	Fair to Good	Y						Handrail is in good condition, but some areas are in need of paint.
Parking Area	Approx. 5,000 square feet	Adjacent to picnic area.	Asphalt chip seal.	Fair to Good	Y					X	Parking area surface is in good condition. Main parking area can accommodate 6 vehicles. No trailer parking. Not striped. No designated handicap accessible parking stalls. Pathways between parking and picnic sites are not accessible.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE

Type of Sign	Location	Qt	Material	Cond	Wording/Graphics	Remarks	Accessibility Notes
Site Identification	Adjacent to vista pathway entrance	1	Painted MDO plywood on masonry structure (double sided)	Good	Hell Hole VISTA ELDORADO <i>National Forest</i>		
Historical Marker	Adjacent to facility ID sign	1	Painted aluminum on PTDF post	Good	GEORGETOWN DISTRICT HISTORY TOUR 14	Slightly faded	
Interpretive	Adjacent to vista wall	1	Steel plate (14"x32") set at angle on steel posts (35")	Good	Fire and Ice plus information on geologic history of HH Reservoir Area	New, Installed in May 2009	Route to interpretive sign is not accessible.
Part 8	Adjacent to vista parking area	1	Painted steel sign (20"x36") on steel posts	poor	WELCOME TO THE HELL HOLE RESERVOIR RECREATION AREA...	Fading, rusting. Bullet holes through sign.	Lettering too small to see from a distance (e.g., driving) but okay from near by.

Appendix G-2

**Hell Hole Vista
Photographs**



Photo G-2-1. Information sign located near the southern boundary of Hell Hole Vista parking area. This sign is required by CFR 18 Part 8. (8/20/08)



Photo G-2-2. Entrance to Hell Hole Vista Parking area. Roadway in background is FR-2. (8/20/08)



Photo G-2-3. Example of damaged pavement surface in Hell Hole Vista Parking area. (8/20/08)



Photo G-2-4. Single-unit vault pre-cast concrete toilet (CXT) and double-bin bear-proof garbage container located in Hell Hole Vista parking area. (8/4/08)



Photo G-2-5. Site Identification and History Tour signs located at entrance to trail to Hell Hole Vista. (8/20/08)



Photo G-2-6. Paved trail to Hell Hole Vista near entrance. (8/20/08)



Photo G-2-7. Picnic table located along trail to Hell Hole Vista. Hell Hole Reservoir and Dam in background. (8/20/08)



Photo G-2-8. Masonry stairs and steel safety rails along trail to Hell Hole Vista. Note Site Identification Sign and FR-2 in background. (8/20/08)



Photo G-2-9. Hell Hole Vista with Hell Hole Reservoir in background. (8/20/08)



Photo G-2-10. Unlevel surface in Hell Hole Vista. (8/20/08)



Photo G-2-11. Surface and level changes in Hell Hole Vista. (8/20/08)



Photo G-2-12. Interpretive sign at Hell Hole Vista. This sign was installed in May 2009.

Appendix H-1
Hell Hole Boat Ramp and Associated Parking Areas
Inventory

Hell Hole Boat Ramp

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

Name of Facility:	Hell Hole Boat Ramp
Type of Facility:	Boat Ramp
Managing Agency:	USDA Forest Service - Eldorado National Forest – Georgetown Ranger District
Date of this Inventory:	August 4, 2008
Inventory Prepared by:	Sandra Walter-Perry (ENTRIX) in consultation with Vicky Jowice (ENF)

BRIEF DESCRIPTION OF SITE:

Hell Hole Boat Ramp is located on Hell Hole Reservoir, and is the primary reservoir access point. This site was originally constructed in 1967, improved in 1986 with State Boating and Waterways funds, and rehabilitated in 2000. The site is operated by the Forest Service with funds provided by PCWA under the current FERC license agreement.

OVERALL CONDITION OF FACILITY:

Condition of Facility: Overall facility condition is good. The ramp itself is in good condition, having been improved in 2000. Some of the signage is in fair to poor condition due to faded paint and bullet holes.
Accessibility Conditions: The boat ramp is not considered disabled accessible due to the steep grade and the presence of obstacle and rills in the concrete. Also, there is no flat area for entering or exiting a boat.
Health and Safety Concerns: None
Environmental and Cultural Concerns: None
Comments: Ramp is subject to fluctuating water levels, which in the past has undermined the lower part of the ramp. Debris accumulates on the ramp as water levels decline and should be periodically removed to help keep ramp functional throughout the year. Some visitors park in the apex of the ramp near the low water turn-around, which may make it difficult to properly use the low water turn-around. Installation of a “no parking” sign or barrier rocks would help dissuade people from parking in this area.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SITE FEATURES

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility					Comments	
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope		Other
Boat Ramp	1,000 feet long by 20 feet wide.	Concrete section extending from end of Hell Hole Boat Ramp Road to end of ramp. The top portion of the ramp was extended and the lower portion was repaired in 2,000.	Concrete	NA	Good	N		X		X		Ramp is not disabled accessible due to excessive slope and the presence of debris (obstacles) deposited as water level recedes. There is no flat area for entering or exiting a boat.
Masonry Retaining Wall	470 feet long by 3 feet high, transitioning to 1 foot high.	On upslope side of boat ramp.	Rock with concrete grout.	NA	Good	NA						Occasional cracks in concrete cap and grout.
Curbing	450 feet long by 7-inch high.	Along down slope side of lower end of boat ramp from end of masonry wall to end of boat ramp.	Concrete	NA	Good	NA						Occasional cracks.
Curbing	370 feet long by 7-inch high.	Along down slope side of top of boat ramp to lower end of low water turn-around.	Concrete	NA	Good	NA						Occasional cracks.
Rip Rap	Class VI rock.	On down-slope side of boat ramp, lower end.	Natural rock	NA	NA	NA						Installed in 2000 to prevent undermining of boat ramp as water levels recede.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE

Type of Sign	Location	Qt	Material	Cond	Wording/Graphics	Remarks	Accessibility Notes
Regulatory	Top of boat ramp approach (east side)	1	Redwood sign (2'x3') with painted engraved letters on wood posts	Fair	BOAT LAUNCHING RAMP NO PARKING BEYOND THIS SIGN ELDORADO <i>National Forest</i>	Sign is functional but boards are split and letters are beginning to fade	Readable from a vehicle.
Regulatory	Top of boat ramp approach (east side) on same post as above	1	Brown MDO plywood sign (18"x24") with white engraved lettering	Good	NO GARBAGE SERVICE AT UPPER HELL HOLE CAMPGROUND PACK IN / PACK OUT		Readable from a vehicle.
Traffic	Near top of boat ramp (west side)	1	Aluminum sign (12"x18") on steel post	Fair	NO PARKING ANY TIME	Faded, rusted	Faded. Poor contrast.
Traffic	Near top of boat ramp (east side)	1	Aluminum sign (12"x18") on steel post	Fair	NO PARKING ANY TIME	Faded, rusted	Faded. Poor contrast.

Hell Hole Boat Ramp Parking Area

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

Name of Facility:	Hell Hole Boat Ramp Parking Area
Type of Facility:	Boat Ramp Parking
Managing Agency:	USDA Forest Service - Eldorado National Forest – Georgetown Ranger District
Date of this Inventory:	August 4, 2008
Inventory Prepared by:	Sandra Walter-Perry (ENTRIX) in consultation with Vicky Jowice (ENF)

BRIEF DESCRIPTION OF SITE:

The Hell Hole Boat Ramp Parking Area is located at the top of the Hell Boat Ramp, adjacent to the reservoir. This parking area includes two distinct sections: (1) a lower lot that can accommodate 3-4 vehicles; and (2) an upper lot that can accommodate 5 vehicles. These parking lots are intended for day use only. Overnight visitors are directed to use the Hell Hole General Parking Area.

Amenities at this site include: a single unit, pre-cast concrete toilet (CXT); two bear-proof garbage containers, and; a picnic table and pedestal cooking grill. Potable water is not available.

The site is operated by the Forest Service with funds provided by PCWA under the current FERC license agreement.

OVERALL CONDITION OF FACILITY:

Condition of Facility: Overall facility condition is good. However, the parking stalls need to be re-striped and some of the signage is in fair to poor condition due to faded paint and bullet holes. The bathroom, a single-unit CXT, was installed in 2000 and is in good condition. Two bear-proof garbage containers are available adjacent to the toilets and are in good condition. One picnic table and pedestal grill are available. The table is in good condition, but the table boards are warped.
Accessibility Conditions: The bathroom is accessible. Neither of the parking lots have designated handicap parking stalls. The picnic table is not accessible due to its design. The bear-proof garbage containers are not considered accessible due to the handle design.
Health and Safety Concerns: Steep slopes between parking areas and reservoir.
Environmental and Cultural Concerns: None
Comments: Potable water is not available.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SITE FEATURES

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility					Comments	
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope		Other
Bathroom	Single-unit CXT	Adjacent to parking area, at top of ramp.	Pre-cast concrete	Vault	Good	Y						In good condition. However, ceiling is sagging and should be repaired.
Picnic Table	1	Adjacent to parking area.	Painted wood plank table on steel frame.	Single	Good	N	X	X			X	Overall this table is in good condition. However, the table planks have warped and should be replaced. The table is not accessible due its design and the presence of small obstacles (rocks, brush).
Pedestal Grill	1	Adjacent to picnic table.	Steel	NA	Good	N	X	X			X	Grill is not accessible due to height. In addition, there is insufficient clear space around the grill and obstacles present.
Garbage Containers	2 (2-bin)	Adjacent to CXT.	Steel	Bear-proof	Good	N					X	These garbage containers are in good condition but are not considered accessible due to the design of the handles.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SITE FEATURES (continued)

Feature	Quantity or Dimensions	Location or Description	Material	Cond	Accessibility						Comments
					Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Roadways	Approx. 370 feet long by 20 – feet wide (1.5 lane)	Hell Hole Boat Ramp Road (Intersection of FR 2 to start of Hell Hole Boat Ramp)	Asphalt with chip seal	Good	N					X	Overall, roadway is in good condition. However, some areas are in need of new chip seal and minor brushing.
Parking Areas	Approx. 4,800 square feet	This parking area includes two distinct sections: (1) a lower lot that can accommodate 3-4 vehicles; and (2) an upper lot that can accommodate 5 vehicles.	Asphalt with chip seal	Varies (Fair to Good)	N					X	The parking area surfaces have been paved with asphalt, and chip sealed. However, the chip seal is deteriorating in some areas, particularly in the upper lot. Needs brush maintenance around perimeter. No designated handicap parking spaces.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE

Type of Sign	Location	Qt.	Material	Cond	Wording/Graphics	Remarks	Accessibility Notes
Site Identification	Near northeast corner of lower parking area	1	Painted, engraved redwood on redwood posts	Good	Hell Hole LAUNCHING FACILITY IMPROVEMENTS FUNDED BY		Large letters on a contrasting background that is readable and accessible.
Regulatory	At end of lower parking area	1	Painted plywood on steel posts	Good	DAY USE PARKING ONLY USE UPPER LOT FOR OVERNIGHT PARKING	Slightly faded. Paint peeling.	Readable from a vehicle.
Regulatory	At end of upper parking area	1	Redwood sign with painted letters on steel posts	Good	DAY USE PARKING ONLY USE UPPER LOT FOR OVERNIGHT PARKING		Readable from a vehicle.
Traffic	Northeast corner of lower parking area	1	Aluminum sign (12"x18") on steel post	Poor	NO PARKING ANY TIME	Faded, rusted, bullet holes	Faded. Poor contrast.
Traffic	Adjacent boat ramp access road	3	Aluminum sign (12"x18") on steel post	Poor	NO PARKING ANY TIME	Faded, rusted, bullet holes. One has fallen over	Faded. Poor contrast.
Road Identification	Top of boat ramp access road	1	Painted aluminum sign on wood post	Fair	13N33		Readable from a vehicle.

Hell Hole General Parking Area

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

Name of Facility:	Hell Hole Boat Ramp General Parking Area
Type of Facility:	Boat Ramp Parking
Managing Agency:	USDA Forest Service - Eldorado National Forest – Georgetown Ranger District
Date of this Inventory:	August 4, 2008
Inventory Prepared by:	Sandra Walter-Perry (ENTRIX) in consultation with Vicky Jowice (ENF)

BRIEF DESCRIPTION OF SITE:

The Hell Hole General Parking Area is located up the hill from Hell Hole Boat Ramp and can be accessed via Forest Route 2 (FR 2). This parking area includes three distinct parking sections: (1) a northwest section with enough space for 19 vehicles; (2) a middle section with enough space for another 19 vehicles, and; (3) a southeast section with enough space for 8-9 vehicles plus 3 designated handicap parking spaces. The parking area surfaces have been paved with asphalt, and chip sealed. The parking stalls have been striped in the past but most of the striping has faded. This parking area can be used for overnight parking.

Amenities in this parking area include: (1) a single-unit, pre-cast restroom (CXT); (2) a bear-proof garbage container; and (3) two picnic tables, one of which is disabled accessible.

The site is operated by the Forest Service with funds provided by PCWA under the current FERC license agreement.

OVERALL CONDITION OF FACILITY:

<p>Condition of Facility: Overall facility condition is fair to good. The parking lot surfaces have been paved with asphalt and chip sealed. The northwest and center parking sections are in fair to good condition, although the stall striping has faded. The surface of the southeast parking lot has experienced substantial deterioration and is in fair to poor condition. In addition, the parking stall striping and handicap markings have faded. Most of the signage is in good condition, although some signs have faded. The bathroom, a single-unit CXT, was installed in 2000 and is in good condition. One bear-proof garbage can is available adjacent to the CXT and is in good condition. The picnic tables are in good condition, although the paint on the accessible table is flaking.</p>
<p>Accessibility Conditions: The bathroom is accessible. The bear-proof garbage container is not considered accessible due to the handle design. One accessible group-sized picnic table is available. There is sufficient clear space around the table, but small obstacles such as brush and rocks are present and should be removed. Also, an illegal fire-ring impedes access to the accessible table. The stairway from the parking area to the boat ramp is not accessible.</p>
<p>Health and Safety Concerns: None. Barrier fence around perimeter of parking area prevents access to steep slopes between the parking area and the reservoir.</p>
<p>Environmental and Cultural Concerns: None</p>
<p>Comments: Potable water is not available. An illegal fire ring is present near the picnic tables and should be removed.</p>

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SITE FEATURES

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility						Comments
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Toilet	Single-unit CXT	Between southeast and center parking sections.	Pre-cast concrete	Vault	Good	Y						In good condition. However, ceiling is sagging and should be repaired.
Picnic Table	1	Adjacent to parking area, under trees.	Painted wood plank table top on steel frame	Group	Good	Y		X	X		X	Overall this table is in good condition. However, the paint on the table boards is peeling. The table is accessible and there is sufficient clear space but the space is in need of maintenance. Specifically, brush and small obstacles (rocks) should be removed. Also, an illegal fire ring impedes access to the table.
Picnic Table	1	Adjacent to parking area, under trees.	Painted wood plank table top on steel frame	Single	Good	N		X			X	Table is not accessible design.
Garbage Containers	1 (2-bin)	Adjacent to CXT.	Steel	Bear-proof	Good	N					X	Garbage container is in good condition but is not considered accessible due to the design of the handles.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

PARKING, ROADWAYS and TRAVEL PATHS

Feature	Quantity or Dimensions	Location or Description	Material	Cond	Accessibility						Comments	
					Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other		
Parking Areas	Approx. 65,000 square feet	This parking area includes three distinct parking sections: (1) a northwest section with enough space for 19 vehicles; (2) a middle section with enough space for another 19 vehicles, and; (3) a southeast section with enough space for 8-9 vehicles, plus 3 designated handicap parking spaces.	Asphalt with chip seal	Varies (Poor to Good)	Y						X	<p>The parking area surfaces have been paved with asphalt, and chip sealed. However, the chip seal is deteriorating, especially in the southeast section of the parking area. Surface is cracked and decomposed, and tree roots are lifting the pavement in some areas. Needs brush maintenance around perimeter.</p> <p>The parking stalls have been striped in the past but most of the striping has faded to the point of being indistinguishable. Three handicap stalls are available but the painted symbols on the pavement are faded.</p>

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

PARKING, ROADWAYS and TRAVEL PATHS (continued)

Feature	Quantity or Dimensions	Location or Description	Material	Cond	Accessibility						Comments
					Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Roadways	Approx. 350 feet long by 8-12 feet wide (single lane)	Intersection of FR 2, looping around parking area.	Asphalt with chip seal	Mostly good	Y						Overall, roadway is in good condition. However, some areas are in need of new chip seal and minor brushing. Potholes are present near the entrance/exit area, adjacent to culvert.
Trail and Stairway	Approx. 185 long by 5-feet wide.	Extends from upper parking area to FR 2.	Masonry, concrete, asphalt, and wood with steel hand rails.	Mostly good	N				X	X	Overall, stairway is in good condition. However, pavement sections are cracking and paint on handrail is flaking. Stairway is not accessible due to presence of steps and excessive slope. Changes would require major modifications.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE

Type of Sign	Location	Qt.	Material	Cond	Wording/Graphics	Remarks	Accessibility Notes
Handicap Accessible	At end of handicap accessible spaces	2	Painted aluminum signs on painted wood post	Good	Handicap Accessible symbol + PARKING ONLY VAN ACCESSIBLE		Readable from a vehicle.
Handicap Accessible	At end of handicap accessible space	1	Painted aluminum sign on painted wood post	Good	Handicap Accessible symbol + PARKING ONLY		Readable from a vehicle.
Information Board	Adjacent to toilet	1	MDO plywood with small frame on wood posts	Good	A careless Match... Destroys (poster)		Readable from a vehicle.
Regulatory	At entrance to parking general parking area	1	MDO plywood with small frame on wood posts	Good	FIRE RESTRICTIONS with symbols (poster)		Readable from a vehicle.
Directional	At top of pathway to boat ramp	1	Painted wood	Fair	TRAIL TO BOAT LAUNCHING RAMP USE HANDRAILS ELDORADO <i>National Forest</i>	Sign is functional but paint is fading and wood is split and deteriorating.	
Directional	On northwest side of road to Hell Hole General Parking Area	1	Painted red wood on redwood post, held up with boulders	Poor	TO UPPER PARKING LOT →	Too short, fading, obscured by vegetation, poor placement	Poor contrast, too short, obscured by vegetation
Directional	On north side of road to boat ramp just below access road to Hell Hole General Parking Area	1	Painted redwood in shape of arrow on painted steel post	Poor	PUBLIC BOAT RAMP	Too short, too small obscured by vegetation, poor placement	Too short, too small, obscured by vegetation, poor placement

Appendix H-2
Hell Hole Boat Ramp and Associated Parking Areas
Photographs

Hell Hole Boat Ramp



Photo H-2-1. Regulatory signs located at top of Hell Hole Boat Ramp. (8/04/08)



Photo H-2-2. Example of “no parking” sign located along Hell Hole Boat Ramp. Condition is “fair” due to faded lettering. (8/4/08)



Photo H-2-3. Upper end of Hell Hole Boat Ramp. Note restroom at top of ramp, masonry retaining wall, and concrete surface. (8/4/08)



Photo H-2-4. Low water turn-around area in apex of ramp. Note that masonry retaining wall transitions from 3-foot high to 1-foot high. (8/4/08)



Photo H-2-5. Example of rilled concrete at lower end of ramp. (8/4/08)



Photo H-2-6. Lower end of Hell Hole Boat Ramp. (8/4/08)

Hell Hole Boat Ramp Parking Area



Photo H-2-7. Facility identification sign in good condition. (8/4/08)



Photo H-2-8. Hell Hole Boat Ramp Parking Area, lower lot. Surface is in good condition but striping has faded. Note facility identification sign, bear-proof garbage container, and damaged "no parking" sign. (8/4/08)



Photo H-2-9. Single unit pre-cast concrete toilet (CXT). Disabled accessible and in good condition. (8/4/08)



Photo H-2-10. Interior of CXT. (8/4/08)



Photo H-2-11. Bear-proof garbage container, east side of CXT. (8/4/08)



Photo H-2-12. Bear-proof garbage container, west side of CXT. (8/4/08)



Photo H-2-13. Picnic table located in lower parking lot. Note warped table boards and flaking paint. Not disabled accessible due to design and small obstacles. (8/4/08)



Photo H-2-14. Pedestal grill located adjacent to picnic table. (8/4/08)



Photo H-2-15. Regulatory sign in lower parking lot. Constructed of painted MDO on steel posts. Good condition. (8/4/08)



Photo H-2-16. Damaged "no parking" sign in lower lot. In poor condition due to bullet holes and bent steel post. (8/04/08)



Photo H-2-17. Hell Hole Boat Ramp General Parking, upper parking lot. (8/4/08)



Photo H-2-18. Regulatory sign adjacent to upper parking lot. Constructed of wood on steel posts. Good condition. (8/4/08)

Hell Hole Boat Ramp General Parking



Photo H-2-19. Entrance/exit to/from Hell Hole Boat Ramp General Parking Area. (8/4/08)

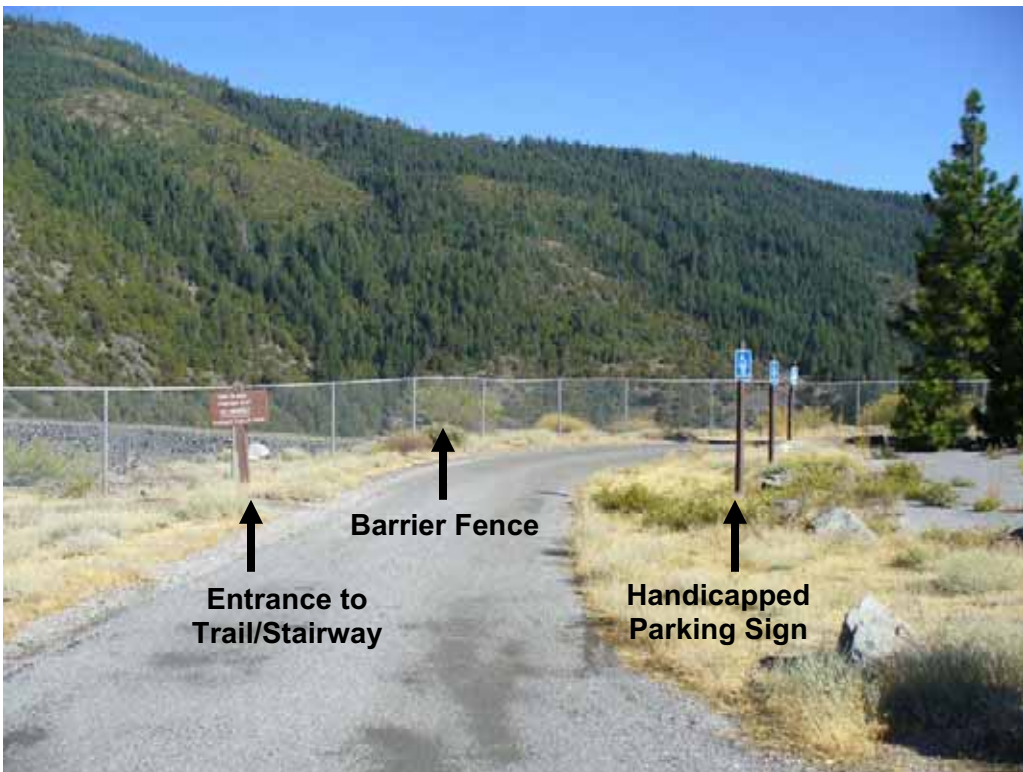


Photo H-2-20. Entrance road to Hell Hole Boat Ramp General Parking Area. Note barrier fence, handicapped parking signs (3) and entrance to trail to boat ramp area marked by directional sign. (8/4/08)

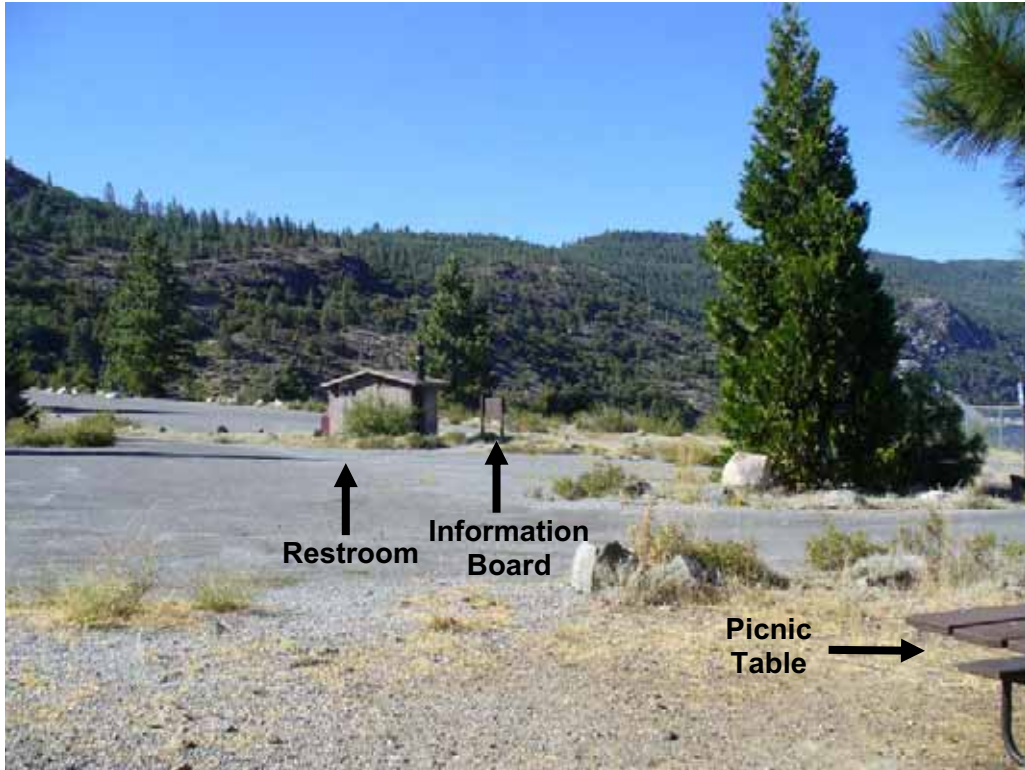


Photo H-2-21. Hell Hole Boat Ramp General Parking Area (southeastern portion). Surface is asphalt with chip seal in poor condition. Note restroom and information board in middleground and picnic table in foreground (right). (8/4/08)



Photo H-2-22. Hell Hole Boat Ramp General Parking Area (northern portion). Surface is asphalt with chip seal in good condition. (8/4/08)



Photo H-2-23. Single unit pre-cast concrete toilet (CXT) located in Hell Hole Boat Ramp General Parking Area. Restroom is disabled accessible and in good condition. Note bear-proof garbage container adjacent to restroom. (8/4/08)



Photo H-2-24. Example of handicap parking sign in parking area. Painted aluminum mounted on wood post. Good condition. (8/4/08)



Photo H-2-25. Example of faded handicap parking area marking painted on asphalt with chip seal. (8/4/08)



Photo H-2-26. Example of faded parking stall striping on asphalt with chip seal. (8/4/08)



Photo H-2-27. Example of damaged surface in southeastern portion of parking area. (8/4/08)



Photo H-2-28. Hell Hole Boat Ramp General Parking Area exit road. (8/4/08)

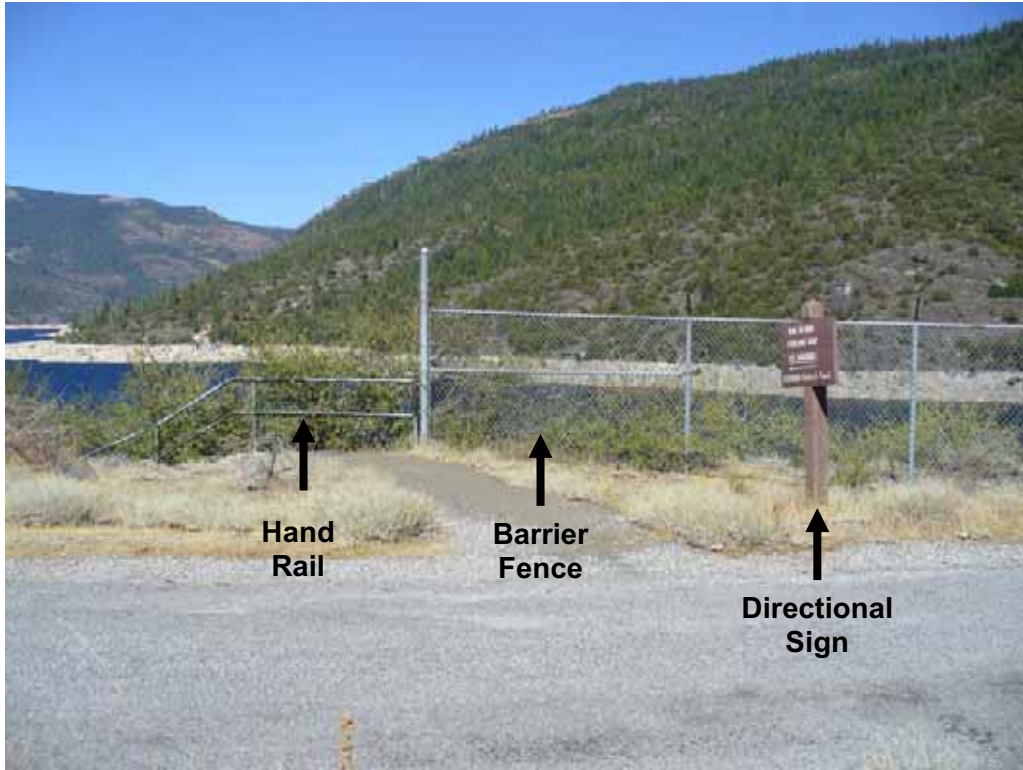


Photo H-2-29. Entrance to trail/stairway. Note barrier fence, directional sign, and steel hand rail. (8/4/08)



Photo H-2-30. Directional sign at entrance to trail/stairway to Hell Hole Boat Ramp. Sign is constructed of painted wood on wood post. Sign is in fair condition due to split boards and faded lettering. (8/4/08)



Photo H-2-31. Top portion of trail/stairway to Hell Hole Boat Ramp. Note various surface types: asphalt chip seal landing/masonry steps/asphalt/wooden bridge/asphalt. Also note steel handrails. Not disabled accessible. (8/4/08)



Photo H-2-32. Lower portion of trail/stairway looking up towards General Parking Area. Note various surface types: asphalt landing masonry steps/concrete step/wood steps. Also note steel handrails. Not disabled accessible. (8/4/08)

Appendix I-1
Ahart Campground
Inventory

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

Name of Facility:	Ahart Campground
Type of Facility:	Campground
Managing Agency:	USDA Forest Service – Tahoe National Forest – Foresthill Ranger District
Date of this Inventory:	September 4, 2008
Inventory Prepared by:	Sandra Walter-Perry (ENTRIX) in consultation with Ed Moore (TNF)

BRIEF DESCRIPTION OF SITE:

Ahart Campground is located along the Middle Fork American River, upstream of French Meadows Reservoir. It consists of 12 sites. Each site includes a heavy wood picnic table, a steel fire ring with adjustable grills, and a new, large bear-proof food storage locker (bear box). Two sites also have concrete/steel stoves. All sites include a native-surface spur, delineated with a combination of wood posts, barrier bars and barrier rocks. Other amenities at this campground include 2 vault toilets and 2 bear-proof garbage containers. Potable water is not available.

OVERALL CONDITION OF FACILITY:

<p>Condition of Facility: The campground is generally in good condition. The vault toilets were installed in the 1960s and are outdated, with one showing dry rot along the roof line. The individual campsites are generally in good condition. All of the tables are heavy wood tables. The tables are in fair to good condition, with paint flaking on most, heavy to moderate graffiti on some, and splits boards on some. All of the fire rings were installed in 1998. They are functional but most show some damage, including missing grills. All of the bear boxes were installed in 2006 and are in good condition.</p>
<p>Accessibility Conditions: None of the sites are designated handicap accessible. However, most of the sites are relatively flat and could easily be made accessible with minor site leveling, and the addition of accessible features such as tables and fire grills. With the exception of site 5, none of the parking spurs are accessible due to insufficient widths, but most could be made accessible without substantially altering the landscape.</p>
<p>Health and Safety Concerns: None.</p>
<p>Environmental and Cultural Concerns: Three cultural resources are present within the campground boundaries, one isolated artifact (ISO-04), one historic era mining ditch (FS-05-17-54-480) and one historic era stream diversion berm (FS-05-17-54-481).</p>
<p>Comments: Potable water is not available at this site.</p>

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

FACILITY FEATURES

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility						Comments	
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other		
Garbage Containers	2 (2-bin)	One adjacent to Toilet No. 1 and one adjacent to toilet No. 3.	Painted Steel	Bear-proof	Good	N						X	Garbage containers are not considered accessible due to handle design. Both on concrete pads.
Garbage Containers	2	Across from Site 3	Steel (Al?)	Standard trash cans	Good	N						X	Lids are not accessible.
Bathroom	1 double unit	Across from Site 5. Identified as No. 1.	Wood	Vault	Fair	N							Entrance and stall are too narrow. Concrete lip. Exterior condition is fair due to roof rot. Interior condition is good.
Bathroom	1 double unit	Next to Site 8. Identified as No. 3.	Wood	Vault	Good	N							Entrance and stall are too narrow. Concrete lip. Exterior and interior condition is good.
Fee Tube	1	Adjacent to fee station	Painted steel		Good	Y							Pathway is not accessible due to level changes and obstacles.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

PARKING, ROADWAYS and TRAVEL PATHS

Feature	Quantity or Dimensions	Location or Description	Material	Cond	Accessibility						Comments
					Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Access and CG Loop Roads	Approx. 1,580 feet long. Mostly single lane.	Entrance road, west loop road, loop connector road, east loop road, and exit road	Native with crushed aggregate	Good	Y						Overall in good condition. Minor washboard on entrance/exit roads. Some low spots with poor drainage, especially near loop intersections. Some cobbles in roadway. No recorded drainage features. See detailed road survey results for additional information.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE

Type of Sign	Location	Qt.	Material	Cond	Wording/Graphics	Remarks	Accessibility Notes
Site Identification	Entrance to campground (north side)	1	Painted MDO plywood on painted wood posts (36" x 51")	Fair	CAMPGROUND Ahart	Sign is functional but split horizontally. Needs to be repaired or replaced.	
Road Identification	Entrance to campground (south side)	1	Painted aluminum on PTDF post (8" x 16")	Good	96-91		
Fee Station	Entrance to campground (island between entrance and exit roads)	1	Painted MDO plywood board mounted on painted wood crossbars and posts (4' x 8')	Good	SELF-SERVICE PAY STATION plus various informational and regulatory posters		Poster print is too small to see from a distance. Area in front of board is level but has small obstacles and forest debris and is not well compacted.
Unit Markers	Throughout campground	12	Painted PTDF with painted white numbers (5' x 4")	Good	Site numbers		Numbers are painted white for contrast
Message Post	Adjacent to toilet #1, behind garbage bins	1	Small wood board with gable roof on wood post (11" x 17")	Poor	None	Wood is split and paint has flaked off.	Location behind garbage bins impedes access.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SITE/UNIT FEATURES

Site #	Host Site	Designated Accessible Site?	Accessibility Constraints				Spur				Site Signs						Stoves, Grills, Fire Rings and Bear Boxes										Tables				Other						
			Needs Leveling	Obstacles	Excessive Brush/Veg	Inadequate Clear Space	Remarks	Size*	Material	Condition	Remarks	Site Marker	Material	Condition	Other Signage	Material	Condition	Concrete/Steel Stove	Steel Stove	Steel Fire Ring	Fire Ring with Steel Grill**	HC Fire Ring with Adj. Grill	Ped. Grill	HC Ped Grill	Double Ped. Grill	HC Double Ped Grill	Large Bear Box**	Condition	Remarks	Wood Table (Light)		Wood Table (Heavy)	HC Table (light)	HC Double Table (light)	Condition	Remarks	Remarks
1		No	X	X		X			9' x 35'	Native	Good	6 barrier posts + 4 barrier bars (1 is broken, needs repair)	1	Redwood stained PTFDF with painted white lettering.	Good	None											X-06	Poor/good/good	Stove is damaged. Fire ring is in good condition but set too low. BB is new and in good condition.		1				good	Paint flaking.	Fire ring installed in 1998. Bear boxes installed in 2006.
2		No	X				X		10' x 35'	Native	Good	2 barrier posts+ 4 barrier bars	1	Stained PTFDF	Good	None											X-06	good/good	Fire ring is surrounded by rocks. BB is new and in good condition.		1				fair	Paint flaking, graffiti.	Fire ring installed in 1998. Bear boxes installed in 2006.
3		No	X					Minor leveling and widening of spur would make this site accessible.	10' x 41'	Native	Good	7 barrier psots + 2 barrier bars	1	Stained PTFDF	Good	None											X-06	fair/good	Stove is damaged. Fire ring is surrounded by rocks. BB is new and in good		1				fair	paint flaking, graffiti, boards splitting.	Fire ring installed in 1998. Bear boxes installed in 2006.
4		No	X					Minor leveling and widening of spur would make this site accessible. May have to harden/compact sandy surface.	14' x 31'	Native	Good	8 barrier posts + 2 barrier bars + 3 barrier rocks	1	Stained PTFDF	Good	None											X-06	fair/good	Grill is bent. Bear box is new and in good condition.		2				fair	paint flaking, graffiti.	Fire ring installed in 1998. Bear boxes installed in 2006.
5		No	X					Minor leveling and widening of spur would make this site accessible. May have to harden/compact sandy surface.	16' x 41'	Native	Good	6 barrier posts, 2 barrier bars, 3 barrier rocks	1	Stained PTFDF	Good	None											X-06	good/good	Grill surrounded by rock. BB is new and in good condition.		0					table missing, moved to site 4	Fire ring installed in 1998. Bear boxes installed in 2006.
6		No	X					Excessive slope near table	10' x 45'	Native	Good	5 posts, 3 bars	1	Stained PTFDF	Good	None											X-06	fair/good	Grill bent, ring bent. BB new and good.		1				good	paint flaking	Fire ring installed in 1998. Bear boxes installed in 2006.
7		No	X				X		10' x 34'	Native	Good	7 posts, 2 bars	1	Stained PTFDF	Good	None											X-06	fair/good	ring bent, surrounded by rocks. Grill is in good condition. BB new and good.		1				fair	paint flaking, graffiti, set too low	Fire ring installed in 1998. Bear boxes installed in 2006.
8		No	X					Minor leveling would make this site accessible. Spur material should be compacted.	10' x 30'	Native / cobbles	Good	1 post + 8 rock	1	Stained PTFDF	Good	None											X-06	fair/good	Grill bent, ring bent. BB new and good.		1				fair	paint flaking, minor graffiti	Fire ring installed in 1998. Bear boxes installed in 2006.
9		No	X	X				Downed tree impedes access to table	10' x 40'	Native	Good	10 rock barriers, 2 bars.	1	Stained PTFDF	Good	None											X-06	good/good	Ring is surrounded by rocks. BB new and good.		1				fair	paint flaking, minor graffiti, benches splitting	Fire ring installed in 1998. Bear boxes installed in 2006.
10		No	X	X				Needs minor leveling and stumps removed.	13' x 42'	Native	Good	7 rock barriers, 3 posts, 1 bar	1	Stained PTFDF	Good	None											X-06	good/good	Ring is surrounded by rocks. BB new and good.		1				fair	paint flaking, minor graffiti	Fire ring installed in 1998. Bear boxes installed in 2006.
11		No	X	X			X	Stumps too close to bear box.	12' x 44'	Native	Good	4 barrier bars, 3 rocks	1	Stained PTFDF	Good	None											X-06	good/good	Ring is surrounded by rocks. BB new and good.		1				good		Fire ring installed in 1998. Bear boxes installed in 2006.
12		No	X	X				Tree stumps present.	10' x 47'	Native	Good	5 bars, 3 rocks	1	Stained PTFDF	Good	None											X-06	good/good	Ring is surrounded by rocks. BB new and good.		1				fair	paint flaking.	Fire ring installed in 1998. Bear boxes installed in 2006.
		0											12																								

Notes:

- * - dimensions based on information provided by Ed Moore , TNF
- ** - presence and year installed based on information provided by Ed Moore, TNF
- NA - Not applicable.
- HC - Handicap Accessible
- PTDF - Pressure Treated Douglas Fir
- AC - Asphaltic Concrete, otherwise known as asphalt or pavement
- AO - Asphalt Overlay - A top coat of AC applied to a previously paved surface.
- Chip seal - Oil and crushed rock (usually 1/4") applied over a previously paved surface
- Crushed rock - Clean (no fines) crushed rock, usually 1/4" or 3/4"
- Aggregate Base - A combination of crushed rock, sand and clay. The fines make aggregate base compactable.

Appendix I-2
Ahart Campground
Photographs



Photo I-2-1. Entrance/exit area at Ahart Campground. (9/04/08)



Photo I-2-2. Site identification sign at entrance to Ahart Campground. This site is in fair condition due to the large crack. (9/04/08)



Photo I-2-3. Fee station near entrance to Ahart Campground. Fee tube to right of information board. (9/04/08)



Photo I-2-4. Typical site (unit) marker. (9/04/08)



Photo I-2-5. Typical parking spur delineated with wood posts and barriers. Note native surface. (9/4/08)



Photo I-2-6. Typical site at Ahart Campground. (9/04/08)



Photo I-2-7. Concrete and steel stove at site 1, poor condition. (9/04/08)



Photo I-2-8. Typical steel fire ring with grill, not accessible. (9/04/08)



Photo I-2-9. Typical bear-proof food storage locker (bear box), new and in good condition. (9/04/08)



Photo I-2-10. Steel fire ring and grill, poor condition. (9/04/08)



Photo I-2-11. Typical heavy wood table showing flaking paint. (9/04/08)



Photo I-2-12. Typical heavy wood table with graffiti. (9/04/08)



Photo I-2-13. Double-unit, vault toilet building (No. 1). (9/04/08)



Photo I-2-14. Dry rot on roof and frame of toilet building No. 1. (9/04/08)



Photo I-2-15. Toilet building No. 3. (9/04/09)



Photo I-2-16. Garbage bins. (9/04/08)

Appendix J-1
French Meadows Campground
Inventory

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

Name of Facility:	French Meadows Campground
Type of Facility:	Campground
Managing Agency:	USDA Forest Service – Tahoe National Forest – Foresthill Ranger District
Date of this Inventory:	July 24, 2008
Inventory Prepared by:	Sandra Walter-Perry (ENTRIX) in consultation with Ed Moore (TNF)

BRIEF DESCRIPTION OF SITE:

French Meadows Campground is located on the south side of French Meadows Reservoir, east of French Meadows Boat Ramp and Picnic Area. It consists of 75 sites organized along two loops, an east loop and a west loop. Eight of the sites are designated as handicap accessible and two are designated as host sites. Sites 1-31, all on the east loop, may be used by reservation only. The other sites (Sites 32-75), all located on the west loop, are managed on a “first-come, first-served” basis.

Each site includes a heavy wood picnic table, a steel fire ring with adjustable grill, and a bear-proof food storage locker (bear box). All sites include a paved parking spur, typically delineated with a combination of wood posts, barrier bars and barrier rocks. Other amenities at this campground include bathrooms with flush toilets, vault toilets, bear-proof garbage containers, bear-proof recycling containers, and faucets with potable water.

OVERALL CONDITION OF FACILITY:

<p>Condition of Facility: Overall, the campground is in good condition. The entrance road and loop roads were paved in 2001. Accordingly, the access roads and loop roads are in good condition. In addition, many of the spurs and site pads were widened or improved (e.g. compacted and leveled) in 2001. All of the spurs are paved and in good condition, although some are narrow (e.g. < 12 feet). Each site includes a heavy wood table most of which are in good condition, with minor paint flaking on some. Each site includes either a large or small bear box. All of the small bear boxes were installed in 2002 and all of the large bear boxes were installed in 2003 and 2004. All of the bear boxes are in good condition. Each site includes a fire ring with an adjustable fire grill. The fire rings were installed between 1998 and 2005. All of the fire rings are in good condition. The campground includes a total of 10 bear-proof garbage containers. One of the garbage containers was installed in 1999 and the other 9 were installed in 1998. All of the garbage containers are in good condition. The campground also includes five bear-proof recycling bins. All of the recycling bins were installed in 2006 and are in good condition.</p>
<p>Accessibility Conditions: Eight sites (Sites 16, 17, 18, 36, 38, 62, 63, and 64) are designated as handicap accessible and include accessible features such as tables and fire rings. However, in most cases the site spurs are too narrow. One bathroom, a double unit structure with flush toilets and sinks was retrofitted to meet accessibility standards. None of the other bathrooms are accessible. None of the water faucets are accessible although one has an accessible handle.</p>
<p>Health and Safety Concerns: None.</p>

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

OVERALL CONDITION OF FACILITY (continued):

Environmental and Cultural Concerns: One cultural resource (FS-05-17-54-476) is situated within the boundaries of the campground. This is a linear feature (a ditch) that traverses the area between the campground and FR-96, sometimes intersecting the campground boundaries.

Comments: Water is supplied to this site via the French Meadows Campground Water Supply, which is referred to by the Forest Service as the French Meadows South Shore Water System. The water source is a horizontal groundwater well. Flow is approximately 1.7 gallons per minute. Service connections include 15 faucets and 4 bathrooms with flush toilets and sinks.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

FACILITY FEATURES

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility					Comments	
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope		Other
Garbage Containers	10 (2-bin)	Throughout campground	Painted steel set on concrete pads	Bear-proof	Good	N					X	One of the garbage containers was installed in 1998 and the others were installed in 1999. All are in good condition. Garbage containers are not considered accessible due to handle design. All are installed on concrete pads.
Recycle containers	5 (2-bin)	Throughout campground	Painted steel set on concrete pads	Bear-proof	Good	N					X	All of the recycle containers were installed in 2006. All are in good condition. Recycle containers are not considered accessible due to handle design. All are installed on concrete pads.
Concrete pads	15	Beneath garbage and recycling containers	Concrete		Good	NA						
Bathroom	1 double unit with 2 toilets and 2 sink per unit	# 1 east loop	Wood	Flush	Good	N					X	Not accessible design. Entrance and stalls too narrow.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

FACILITY FEATURES (continued)

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility						Comments
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Bathroom	1 double unit with 2 toilets and 1 sink per unit	#2 east loop	Wood	Flush	Good	Y						Converted to be accessible in 1995. Good access.
Bathroom	1 double unit	#3 west loop	Wood	Vault	Poor	N					X	Exceeded usable life (E. Moore)
Bathroom	1 double unit with 2 toilets and 2 sink per unit	#4 west loop	Wood	Flush	Good	N					X	Not accessible design. Entrance and stalls too narrow
Bathroom	1 double unit with 2 toilets and 2 sink per unit	#5 west loop	Wood	Flush	Good	N					X	Not accessible design. Entrance and stalls too narrow
Bathroom	1 double unit	#6 west loop	Wood	Vault	Poor	N					X	Exceeded usable life (E. Moore)
Faucets	15	Throughout campground	Standard upright steel pipe mounted to wood post set in corrugated steel drainage sump.		Fair to Good	N	X	X	X	X	X	Accessibility varies. Most are difficult to access due unlevel surfaces, and the presence of obstacles. Height of steel sumps varies from below grade to 8 inches high.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

FACILITY FEATURES (continued)

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility					Comments	
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope		Other
Fee Tube	1	Adjacent to fee station	Painted steel		Good	Y						
Message box	1	Adjacent to fee station	Painted steel on steel post		Good	Y						
Double Swing gate	1	At entrance to east loop	Green painted steel	Swing	Good	NA						

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

PARKING, ROADWAYS and TRAVEL PATHS

Feature	Quantity or Dimensions	Location or Description	Material	Cond	Accessibility						Comments
					Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Access and CG Loop Roads	Approx. 5,500 feet long. Mostly single lane.	Main Access Road, West Loop Road, West Loop Center Road, Loop Connector Road, East Loop Road, Loop Return Road	Pave (AC)	Good	Y						Overall in good condition. See detailed road survey results for additional information.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE

Type of Sign	Location	Qt.	Material	Cond	Wording/Graphics	Remarks	Accessibility Notes
Site Identification	On main road near entrance	1	Painted MDO plywood on painted wood posts	Good	CAMPGROUND French Meadows		
Traffic	Entrance	1	Painted plywood on wood post	Good	Please keep vehicle on pavement.		
Traffic	Entrance	1	Painted aluminum sign (18" x 24") on painted PTDF post	Good	SPEED LIMIT 10	New	
Traffic	Exit	1	Painted aluminum sign (18" x 24") on painted PTDF post	Good	OFF HIGHWAY VEHICLES PROHIBITED ON PAVED ROADS	New	
Regulatory	Exit	1	Painted aluminum sign (4' x 4') on wood posts	Fair	VEHICLE TRAVEL RESTRICTED ON NATIONAL FOREST LAND IN THIS AREA. Etc.	Paint is chipped and fading.	
Fee station	Entrance to east loop.	1	Painted MDO on double painted wood posts.	Good	WELCOME TO FRENCH MEADOWS CAMPGROUND plus various information posters	Adjacent to fee tube and box.	Fee area is delineated with rocks. Fee level is free of obstacles with a crushed rock surface.
Message board	Entrance to east loop.	1	Painted plywood (4' x4' in wood frame on painted wood posts.	Poor	MESSAGES No fireworks poster	Frame is broken. Paint is fading.	
Tanker fill post	Entrance to east loop	1	Wood post with white lettering	Good	TANKER FILL		
Hazard signs	On gate (2 on each side of double swing gate)	4	Painted aluminum (8" x 24")	Good	Reflective red and silver striping	Paint is peeling.	

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE (continued)

Type of Sign	Location	Qt.	Material	Cond	Wording/Graphics	Remarks	Accessibility Notes
Regulatory	Adjacent to gate at start of east loop	1	Painted aluminum on double wood posts	Good	CAMP STIES 1-31 MAY BE RESERVED CALL 877-444-6777 OR WWW.RESERVEUS A.COM	White lettering on brown background.	White lettering is peeling.
Directional	On same posts as above	1	Painted aluminum on double wood posts	Good	Arrow CAMPSITES 1-31	White lettering on brown background.	White lettering is peeling.
Traffic	Start of east loop	1	Painted wood plywood on wood post	Poor	DO NOT ENTER	Paint is peeling badly. Not to standards.	
Traffic	Start of east loop	1	Painted wood board on wood post.	Good	ONE WAY	White lettering on brown background	
Unit Markers	Throughout campground, one at each site	75	PTDF with painted white numbers (4" x 4")	Good	Site numbers		Numbers are painted white for contrast
Handicap Accessible Unit markers	Sites 16, 17, 18, 36,38, 62, 63, 64	8	Painted aluminum mounted to unit marker	Good	wheelchair symbol	White lettering on blue sign	
Traffic	Across from site 19	1	Painted aluminum on PTDF post	Fair	NO PARKING	Red and black lettering on white background	Paint is fading. Set on short post.
Directional	At start of west loop	1	Painted aluminum on double wood posts	Good	Arrow CAMPSITES 32-75	White lettering on brown background	
Regulatory	At start of west loop	1	Painted aluminum on double wood posts	Fair	CAMP STIES 32 -75 FIRST COME FIRST SERVED	White lettering on brown background.	Paint is fading. White lettering and boarder is peeling.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE (continued)

Type of Sign	Location	Qt.	Material	Cond	Wording/Graphics	Remarks	Accessibility Notes
Directional	At intersection of west loop road and west loop center road	1	Painted aluminum on double wood posts	Good	Arrow SITES 61-68	White lettering on brown background	White paint is flaking around edges.
Directional	At intersection of west loop road and west loop center road	1	Painted aluminum on single wood post	Fair	Arrow	White arrow on brown background	Paint is faded.
Information board	Adjacent to campground host site No. 3	1	Painted MDO on double wood posts	Good	Various information posters. Campground manager sign.	Frame is in good condition. Board is peeling eves are peeling.	
Information boards	In front of flush toilet buildings	2	Painted MDO in frame set on painted wood posts, with narrow wood "roof"	Fair	Empty	Boards are in good condition. Roofs have dry rot.	
Small information boards	Adjacent to faucets throughout campground	7	11" x 18" painted MDO on painted wood post with small roof.	Fair to good	No fish cleaning, etc. at faucets	Most are in good condition. Some are in fair condition due to flaking paint or minor damage to wood.	

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SITE/UNIT FEATURES

Site #	Host Site	Designated Accessible Site?	Accessibility Constraints				Spur			Site Signs				Stoves, Grills, Fire Rings and Bear Boxes										Tables				Other Remarks							
			Needs Leveling	Obstacles	Excessive Brush/Veg	Inadequate Clear Space	Remarks	Size* (feet)	Material	Condition	Remarks	Site Marker	Material	Condition*	Other Signage	Material	Condition	Concrete Stove**	Steel Stove	Fire Ring**	Fire Ring with Adj. Steel Grill**	HC Fire Ring with Adj. Grill**	Ped. Grill**	HC Ped Grill	Double Ped. Grill	Small Bear Box**	Large Bear Box**		Condition	Remarks**	Wood Table (Light)	Wood Table (Heavy)	HC Table (Wood)**	HC Double Table (light)	Condition
1			X				10 x 38			Narrow	X	PTDF	All site markers were recently installed and are in excellent condition.							X - 03							X - 03	Good/Good	All bear boxes are relatively new and in good condition.		X			Good	All tables are generally in good condition, but many have flaking paint.
2			X				10 x 64			Narrow	X	PTDF	Good						X - 03							X - 03	Good/Good			X		Good			
3	X		X				10 x 46			Narrow	X	PTDF	Good			X - 66		X - 66									Good/Good			X		Good			
4			X				11 x 42			Narrow	X	PTDF	Good						X - 98							X - 03	Good/Good			X		Good			
5			X				10 x 42			Narrow	X	PTDF	Good						X - 98							X - 03	Good/Good			X		Good			
6			X				10 x 48			Narrow	X	PTDF	Good						X - 98							X - 03	Good/Good			X		Good			
7			X				10 x 38			Narrow	X	PTDF	Good						X - 98							X - 03	Good/Good			X		Good			
8			X				10 x 48			Narrow	X	PTDF	Good						X - 98							X - 03	Good/Good			X		Good			
9			X				10 x 55			Narrow	X	PTDF	Good							X - 01						X - 03	Good/Good			X		Good			
10			X				10 x 42			Narrow	X	PTDF	Good							X - 01						X - 03	Good/Good			X		Good			
11			X				10 x 46			Narrow	X	PTDF	Good							X - 01						X - 03	Good/Good			X		Good			
12			X				10 x 50			Narrow	X	PTDF	Good						X - 01							X - 03	Good/Good			X		Good			
13			X				10 x 45			Narrow	X	PTDF	Good							X - 01						X - 03	Good/Good			X		Good			
14			X				10 x 42			Narrow	X	PTDF	Good						X - 01						X - 02	Good/Good			X		Good				
15			X				10 x 46			Narrow	X	PTDF	Good						X - 01						X - 02	Good/Good			X		Good				
16		X					14 x 54				X	PTDF	Good	HC site sign	Painted Al mounted on site marker	Good				X - 01						X - 02	Good/Good				X - 01	Good			
17		X					14 x 54				X	PTDF	Good	HC site sign	Painted Al mounted on site marker	Good			X - 97		X - 97					X - 02	Good/Good				X - 97	Good			

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM (continued)

SITE/UNIT FEATURES

Site #	Host Site	Designated Accessible Site?	Accessibility Constraints				Spur				Site Signs				Stoves, Grills, Fire Rings and Bear Boxes										Tables				Other							
			Needs Leveling	Obstacles	Excessive Brush/Veg	Inadequate Clear Space	Remarks	Size* (feet)	Material	Condition	Remarks	Site Marker	Material	Condition*	Other Signage	Material	Condition	Concrete Stove**	Steel Stove	Fire Ring**	Fire Ring with Adj. Steel Grill**	HC Fire Ring with Adj. Grill**	Ped. Grill**	HC Ped Grill	Double Ped. Grill	Small Bear Box**	Large Bear Box**	Condition	Remarks**	Wood Table (Light)	Wood Table (Heavy)	HC Table (Wood)**	HC Double Table (light)	Condition	Remarks**	Remarks
18		X					14 x 45				X	PTDF	Good	HC site sign	Painted Al mounted on site marker	Good					X - 01						X - 02		Good/Good				X - 01		Good	
19			X				10 x 46			Narrow	X	PTDF	Good								X - 02					X - 02		Good/Good				X		Good		
20			X				10 x 40			Narrow	X	PTDF	Good							X - 98						X - 02		Good/Good				X		Good		
21			X				10 x 35			Narrow	X	PTDF	Good							X - 02						X - 02		Good/Good				X		Good		
22			X				10 x 50			Narrow	X	PTDF	Good							X - 98						X - 02		Good/Good				X		Good		
23			X				11 x 36			Narrow	X	PTDF	Good							X - 98						X - 02		Good/Good				X		Good		
24			X				10 x 36			Narrow	X	PTDF	Good							X - 98						X - 02		Good/Good				X		Good		
25			X				10 x 47			Narrow	X	PTDF	Good								X - 01					X - 02		Good/Good				X		Good		
26			X				10 x 48			Narrow	X	PTDF	Good							X - 98						X - 02		Good/Good				X		Good		
27			X				10 x 40			Narrow	X	PTDF	Good							X - 00						X - 02		Good/Good				X		Good		
28			X				10 x 46			Narrow	X	PTDF	Good							X - 00						X - 02		Good/Good				X		Good		
29			X				10 x 41			Narrow	X	PTDF	Good							X - 03						X - 03		Good/Good				X		Good		
30			X				10 x 47			Narrow	X	PTDF	Good							X - 00						X - 03		Good/Good				X		Good		
31			X				10 x 45			Narrow	X	PTDF	Good							X - 00						X - 03		Good/Good				X		Good		
32	X		X				10 x 38			Narrow	X	PTDF	Good							X - 03						X - 03		Good/Good				X		Good		
33			X				10 x 44			Narrow	X	PTDF	Good							X - 03						X - 03		Good/Good				X		Good		
34			X				10 x 38			Narrow	X	PTDF	Good							X - 03						X - 03		Good/Good				X		Good		
35			X				10 x 40			Narrow	X	PTDF	Good							X - 98						X - 03		Good/Good				X		Good		

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM (continued)

SITE/UNIT FEATURES

Site #	Host Site	Designated Accessible Site?	Accessibility Constraints				Remarks	Spur				Site Signs						Stoves, Grills, Fire Rings and Bear Boxes										Tables				Other Remarks					
			Needs Leveling	Obstacles	Excessive Brush/Veg	Inadequate Clear Space		Size* (feet)	Material	Condition	Remarks	Site Marker	Material	Condition*	Other Signage	Material	Condition	Concrete Stove**	Steel Stove	Fire Ring**	Fire Ring with Adj. Steel Grill**	HC Fire Ring with Adj. Grill**	Ped. Grill**	HC Ped Grill	Double Ped. Grill	Small Bear Box**	Large Bear Box**	Condition	Remarks**	Wood Table (Light)	Wood Table (Heavy)		HC Table (Wood)**	HC Double Table (light)	Condition	Remarks**	
36		X						13 x 45				X	PTDF	Good	HC site sign	Painted Al mounted on site marker	Good									X - 03	Good/Good				X - 01					Good	
37			X					10 x 56			Narrow	X	PTDF	Good											X - 03	Good/Good							X		Good		
38		X						11 x 47				X	PTDF	Good	HC site sign	Painted Al mounted on site marker	Good									X - 01	Good/Good						X - 01			Good	
39			X					10 x 42			Narrow	X	PTDF	Good											X - 03	Good/Good							X		Good		
40			X					10 x 45			Narrow	X	PTDF	Good											X - 01	Good/Good							X		Good		
41			X					10 x 44			Narrow	X	PTDF	Good											X - 98	Good/Good							X		Good		
42			X					11 x 48			Narrow	X	PTDF	Good											X - 04	Good/Good							X		Good		
43			X					10 x 46			Narrow	X	PTDF	Good											X - 03	Good/Good							X		Good		
44			X					10 x 35			Narrow	X	PTDF	Good											X - 00	Good/Good							X		Good		
45			X					10 x 48			Narrow	X	PTDF	Good											X - 98	Good/Good							X		Good		
46			X					10 x 30			Narrow	X	PTDF	Good											X - 98	Good/Good							X		Good		
47			X					10 x 33			Narrow	X	PTDF	Good											X - 03	Good/Good							X		Good		
48			X					10 x 48			Narrow	X	PTDF	Good											X - 03	Good/Good							X		Good		
49			X					20 x 34				X	PTDF	Good											X - 98	Good/Good							X		Good		
50			X					10 x 44			Narrow	X	PTDF	Good											X - 98	Good/Good							X		Good		
51			X					10 x 30			Narrow	X	PTDF	Good											X - 98	Good/Good							X		Good		
52			X					10 x 44			Narrow	X	PTDF	Good											X - 98	Good/Good							X		Good		
53			X					10 x 50			Narrow	X	PTDF	Good											X - 98	Good/Good							X		Good		

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM (continued)

SITE/UNIT FEATURES

Site #	Host Site	Designated Accessible Site?	Accessibility Constraints				Spur				Site Signs						Stoves, Grills, Fire Rings and Bear Boxes											Tables				Other							
			Needs Leveling	Obstacles	Excessive Brush/Veg	Inadequate Clear Space	Remarks	Size* (feet)	Material	Condition	Remarks	Site Marker	Material	Condition*	Other Signage	Material	Condition	Concrete Stove**	Steel Stove	Fire Ring**	Fire Ring with Adj. Steel Grill**	HC Fire Ring with Adj. Grill**	Ped. Grill**	HC Ped Grill	Double Ped. Grill	Small Bear Box**	Large Bear Box**	Condition	Remarks**	Wood Table (Light)	Wood Table (Heavy)	HC Table (Wood)**	HC Double Table (light)	Condition	Remarks**	Remarks			
54			X							10 x 38			Narrow	X	PTDF	Good				X - 98							X - 04	Good/Good						X			Good		
55			X							10 x 38			Narrow	X	PTDF	Good				X - 98							X - 04	Good/Good						X			Good		
56			X							10 x 33			Narrow	X	PTDF	Good				X - 03							X - 04	Good/Good						X			Good		
57			X							10 x 52			Narrow	X	PTDF	Good				X - 03							X - 04	Good/Good						X			Good		
58			X							10 x 32			Narrow	X	PTDF	Good				X - 03							X - 04	Good/Good						X			Good		
59			X							10 x 33			Narrow	X	PTDF	Good				X - 98							X - 04	Good/Good						X			Good		
60			X							10 x 40			Narrow	X	PTDF	Good				X - 98							X - 04	Good/Good						X			Good		
61			X							10 x 48			Narrow	X	PTDF	Good				X - 98							X - 04	Good/Good						X			Good		
62		X								10 x 48				X	PTDF	Good	HC site sign	Painted Al mounted on site marker	Good			X - 01						X - 04	Good/Good						X - 01			Good	
63		X								11 x 52				X	PTDF	Good	HC site sign	Painted Al mounted on site marker	Good			X - 01						X - 05	Good/Good						X - 01			Good	
64		X								20 x 48				X	PTDF	Good	HC site sign	Painted Al mounted on site marker	Good			X - 01						X - 05	Good/Good						X - 01			Good	
65			X							10 x 30				X	PTDF	Good				X - 98							X - 05	Good/Good						X			Good		
66			X							10 x 42				X	PTDF	Good				X - 98							X - 05	Good/Good						X			Good		
67			X							10 x 39				X	PTDF	Good				X - 98							X - 05	Good/Good						X			Good		
68			X							10 x 48				X	PTDF	Good				X - 98							X - 05	Good/Good						X			Good		
69			X							10 x 45				X	PTDF	Good				X - 03							X - 05	Good/Good						X			Good		
70			X							11 x 28				X	PTDF	Good				X - 05							X - 05	Good/Good						X			Good		
71			X							10 x 46				X	PTDF	Good				X - 05							X - 05	Good/Good						X			Good		

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM (continued)

SITE/UNIT FEATURES

Site #	Host Site	Designated Accessible Site?	Accessibility Constraints				Spur				Site Signs						Stoves, Grills, Fire Rings and Bear Boxes										Tables				Other				
			Needs Leveling	Obstacles	Excessive Brush/Veg	Inadequate Clear Space	Remarks	Size* (feet)	Material	Condition	Remarks	Site Marker	Material	Condition*	Other Signage	Material	Condition	Concrete Stove**	Steel Stove	Fire Ring**	Fire Ring with Adj. Steel Grill**	HC Fire Ring with Adj. Grill**	Ped. Grill**	HC Ped Grill	Double Ped. Grill	Small Bear Box**	Large Bear Box**	Condition	Remarks**	Wood Table (Light)	Wood Table (Heavy)	HC Table (Wood)**	HC Double Table (light)	Condition	Remarks**
72			X								X	PTDF	Good						X - 05							X - 05	Good/Good			X				Good	
73			X								X	PTDF	Good						X - 05							X - 05	Good/Good			X				Good	
74			X								X	PTDF	Good						X - 05							X - 05	Good/Good			X				Good	
75			X								X	PTDF	Good						X - 05							X - 05	Good/Good			X				Good	
	2	8									75			8				1		2	61	12				15	59			67	8				

Notes:

- designated handicap accessible site
- * - dimensions based on information provided by Ed Moore, TNF
- ** - presence and year installed based on information provided by Ed Moore, TNF
- NA - Not applicable.
- HC - Handicap Accessible
- PTDF - Pressure Treated Douglas Fire
- AC - Asphaltic Concrete, otherwise known as asphalt or pavement
- AO - Asphalt Overlay - A top coat of AC applied to a previously paved surface.
- Chip seal - Oil and crushed rock (usually 1/4") applied over a previously paved surface
- Crushed rock - Clean (no fines) crushed rock, usually 1/4" or 3/4"
- Aggregate Base - A combination of crushed rock, sand and clay. The fines make aggregate base compactable.

Appendix J-2
French Meadows Campground
Photographs



Photo J-2-1. Site Identification sign, good condition. (7/24/08)



Photo J-2-2. Signage at French Meadows Campground exit. (7/24/08)



Photo J-2-3. Fee station at French Meadows Campground. (7/24/08)



Photo J-2-4. Swing gate and regulatory sign at start of east loop road identifying Sites 1-31 as reservable sites. (7/24/08)



Photo J-2-5. Swing gate and east loop entrance road. The gate was installed in September 2002. Site 2 is in center of photograph. (7/24/08)



Photo J-2-6. Regulatory sign at start of west loop. (7/24/08)



Photo J-2-7. Typical site marker. (7/24/08)



Photo J-2-8. Information board. (7/24/08)



Photo J-2-9. Typical water faucet and information board. Faucet is not accessible. (7/24/08)



Photo J-2-10. Wood bathrooms with have flush toilets and sinks, converted to be accessible. Note accessible pathway. (7/24/08)



Photo J-2-11. Typical handicap accessible site sign. (7/24/08)



Photo J-2-12. Accessible fire ring with adjustable grill. (7/24/08)



Photo J-2-13. Example accessible wood picnic table. (7/24/08)



Photo J-2-14. Example double unit wood bathroom #3, not accessible. (7/24/08)



Photo J-2-15. Inside of bathroom #3. (7/24/08)



Photo J-2-16. Bear-proof recycling container. (7/24/08)



Photo J-2-17. Typical bear-proof garbage container and water faucet. Bathroom #6 in background. (7/24/08)



Photo J-2-18. Typical bear-proof food storage locker (bear box) on concrete pad. (7/24/08)

Appendix K-1
Lewis Campground
Inventory

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

Name of Facility:	Lewis Campground
Type of Facility:	Campground
Managing Agency:	USDA Forest Service – Tahoe National Forest – Foresthill Ranger District
Date of this Inventory:	September 4, 2008
Inventory Prepared by:	Sandra Walter-Perry (ENTRIX) in consultation with Ed Moore (TNF)

BRIEF DESCRIPTION OF SITE:

Lewis Campground is located at the northeast end of French Meadows Reservoir. It consists of 40 sites, 3 of which are designated as handicap accessible. Each site includes a heavy wood picnic table, a steel fire ring with adjustable grill, and a new, large bear-proof food storage locker (bear box). All sites include a paved parking spur, typically delineated with a combination of wood posts, barrier bars and barrier rocks. Other amenities at this campground include bathrooms with flush toilets, vault toilets, bear-proof garbage containers, and faucets with potable water.

OVERALL CONDITION OF FACILITY:

<p>Condition of Facility: The campground is generally in good condition. The entrance road and loop roads are paved and in good condition. All of the spurs are paved and in good condition, although some are narrow (e.g. < 12 feet). Each site includes a heavy wood table most of which are in good condition, with minor paint flaking on some. Each site includes a large bear box, all in good condition. Each site includes a fire ring with an adjustable fire grill. Most of the fire rings are in good condition but some are set too low, some are set too high, and some are set crooked. In addition, users have surrounded many of the fire rings with rock boulders. One fire ring has a user created rock hearth.</p>
<p>Accessibility Conditions: Three sites (Sites 4, 19, and 21) are designated as handicap accessible and include accessible features such as tables and fire rings. However, the site spurs are too narrow. One bathroom, a double unit structure with flush toilets and sinks was retrofitted to meet accessibility standards. None of the other bathrooms are accessible. None of the water faucets are accessible although one has an accessible handle.</p>
<p>Health and Safety Concerns: None.</p>
<p>Environmental and Cultural Concerns: None</p>
<p>Comments: Water is supplied to this site via the Dolly Creek Water Supply, which is referred to by the Forest Service as the French Meadows North Shore Water System. The water source is a 575 feet deep groundwater well. Flow is approximately 11.75 gallons per minute. Service connections include 11 faucets and 2 bathrooms with flush toilets and sinks.</p>

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

FACILITY FEATURES

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility						Comments	
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other		
Garbage Containers	6 (2-bin)	Two in front of bathroom # 1, one next to bathroom #. 2, one next to bathroom #2, two next to bathroom # 4	Painted Steel set on concrete pads	Bear-proof	Good	N						X	All of the garbage containers were installed in 1999 and are in good condition. Garbage containers are not considered accessible due to handle design. All are installed on concrete pads.
Trash cans	4	Entrances to male and female sides of bathrooms # 1 and #4	Plastic	Standard trash cans	Good	N						X	Lids are not accessible.
Concrete pads	6	Beneath bear-proof garbage containers	Concrete		Good								
Concrete pads	4	Throughout campground	Concrete		Poor	NA							Broken, out of use.
Bathroom	1 double unit with 2 toilets/urinals and 1 sink per unit	Bathroom # 1, located near entrance to east loop (1-21)	Painted wood	Flush	Good	Y							Converted to be accessible. Good access, no lip at entrance. Freshly painted. Clean interiors.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

FACILITY FEATURES (continued)

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility					Comments	
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope		Other
Bathroom	1 double unit with 1 toilet per unit, no sinks	Bathroom #2, located across from Site 12.	Wood	Vault	Good	N						Entrance and stall are too narrow. Poor access. Concrete lip. Exterior condition is good except for roof rot. Interior condition is good.
Bathroom	1 double unit	Bathroom #3, located across from Site 32	Wood	Vault	Good	N						Entrance and stall are too narrow. Poor access. Concrete lip. Exterior condition is good except for roof rot. Interior condition is good.
Bathroom	1 double unit with 2 toilets/urinals and 1 sink per unit	Bathroom # 4, located across from Site 39.	Painted wood	Flush	Good	N						Freshly painted. Clean interiors. Not accessible due to concrete lip and narrow widths. Can be converted to be accessible, like Bathroom #1.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

FACILITY FEATURES (continued)

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility						Comments
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Faucets	11	Throughout campground	Standard upright steel pipe mounted to wood post set in corrugated steel drainage sump.		Fair to Good	N	X	X	X	X	X	Accessibility varies. Only one faucet has an accessible handle. Most are difficult to access due to steep grades, unlevel surfaces, and the presence of obstacles. Height of steel sumps varies from below grade to 10 inches high.
Valve Boxes	4	Behind bathrooms 1, 2 and 4 and near tanker fill across from site #40	Plastic or concrete christy boxes		Good	NA						
Fee Tube	1	Adjacent to fee station	Painted steel		Good	Y						
Message box	1	Adjacent to fee station	Painted steel on steel post		Good	Y						
Double Swing gate	1	At entrance	Green painted steel	Swing	Good	NA						New and in excellent condition.
Bar gate?	1	Entrance to loop 1-21, near host site	Green painted steel	Bar	Good							Purpose unknown

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

PARKING, ROADWAYS and TRAVEL PATHS

Feature	Quantity or Dimensions	Location or Description	Material	Cond	Accessibility						Comments
					Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Access and CG Loop Roads	Approx. 3,115 feet long. 12-24 feet wide.	Main access road, south loop road, north loop return road and north loop road	Pave (AC)	Good	Y						Overall in good condition. See detailed road survey results for additional information.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE

Type of Sign	Location	Qt.	Material	Cond	Wording/Graphics	Remarks	Accessibility Notes
Site Identification	Across from entrance to campground on main access road	1	Painted MDO plywood on painted wood posts (24" x 39")	Good	CAMPGROUND Lewis	Sign is functional but split horizontally. Needs to be repaired or replaced.	
Hazard signs	On double gate at entrance	4	Painted aluminum (8" x 24")	Good	Reflective red and silver striping	New	
Traffic	Entrance	1	Painted aluminum sign (18" x 24") on painted PTDF post	Good	SPEED LIMIT 10	New	
Traffic	Exit	1	Painted aluminum sign (18" x 24") on painted PTDF post	Good	OFF HIGHWAY VEHICLES PROHIBITED ON PAVED ROADS	New	
Fee Station	Near entrance to campground	1	Painted MDO plywood board mounted on painted wood crossbars and posts (4' x 8')	Good	SELF-SERVICE PAY STATION plus various informational and regulatory posters	Fee tube and box located in fee station area adjacent to signage.	Fee station is delineated with rock that is level and clear of obstacles. Surface is crushed rock.
Message board	Near entrance to campground	1	Painted MDO plywood board in painted wood frame mounted on painted wood posts (4' x 4')	Fair	MESSAGES	Board is peeling.	
Message board	Adjacent to large message board above	1	Painted plywood on painted wood post.	Fair	none	Needs frame	
Regulatory sign	Loop entrance	1	16" x 50" Al sign on 4"x4" painted wood post	Good	Fee system strictly enforced		

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE (continued)

Type of Sign	Location	Qt.	Material	Cond	Wording/Graphics	Remarks	Accessibility Notes
Directional	Loop entrance	1	12" x 29" Al sign on 4"x4" painted wood post	Good	1-21 > 22-40 <	Clear protective coating is peeling	
Directional	Loop entrance	1	12" x 12" Al sign on 4"x4" painted wood post	Good	arrow	Clear protective coating is peeling	
Information board	Adjacent to HC bathroom #1, along path	1	Painted MDO on wood posts	Good	Information poster		
Small information board	Adjacent to 9 faucets	9	11" x 18" painted MDO on painted wood post	Good to Poor	No fish cleaning, etc. at faucets	Most are in good condition. Three are in poor condition due to deteriorating wood.	
Directional	Beginning of loop 22-44	1	12" x 12" Al sign on 4"x4" painted wood post	Good	arrow		
Information board	Adjacent to bathroom #4, along path	1	Painted MDO on wood posts	Good	Information poster	Frame is in good condition. Board is peeling eves are peeling.	
Unit Markers	Throughout campground, one at each site	40	PTDF with painted white numbers (4" x 4")	Good	Site numbers		Numbers are painted white for contrast
Handicap Accessible Unit markers	Sites 4, 19, and 21	3	Painted Aluminum mounted to unit marker	Good	ACCESSIBLE with wheelchair symbol	White lettering on blue sign	

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SITE/UNIT FEATURES

Site #	Host Site	Designated Accessible Site?	Accessibility Constraints				Remarks	Spur				Site Signs				Stoves, Grills, Fire Rings and Bear Boxes										Tables				Other					
			Needs Leveling	Obstacles	Excessive Brush/Veg	Inadequate Clear Space		Size*	Material	Condition	Remarks	Site Marker	Material	Condition	Other Signage	Material	Condition	Concrete/Steel Stove	Steel Stove	Steel Fire Ring	Fire Ring with Adj. Steel Grill**	HC Fire Ring with Adj. Grill	Ped. Grill	HC Ped Grill	Double Ped. Grill	HC Double Ped Grill	Large Bear Box**	Condition	Remarks		Wood Table (Light)	Wood Table (Heavy)	HC Table (Wood)*	HC Double Table (light)	Condition
1	X		X			X	partly accessible, approach needs leveling, widening	12' x 43'	AC	Good		X	PTDF w/ painted number	Good	Camp host sign	plastic	Good				X-04					X-05	Good/Good	FR set too low		X			Good		
2			X				steep access	10' x 46'	AC	Good	Narrow	X	PTDF w/ painted number	Good					X-04						X-05	Good/Good	FR new but set crooked		X			Good			
3				X			partly accessible, tree roots present	12' x 45'	AC	Good		X	PTDF w/ painted number	Good					X-04						X-05	Good/Good	FR new but surrounded in rock cobbles		X			Good			
4		X					designated accessible site	10' x 37'	AC	Good	Spur not accessible due to narrow width	X	PTDF w/ painted number	Good	HC sign	Painted Al (12" x 18") on wood post	Good			X-98					X-05	Good/Good	good clearer space			X-98		Good			
5			X	X		X		10' x 36'	AC	Good		X	PTDF w/ painted number	Good					X-98						X-05	Good/Good	FR surrounded by rock cobbles		X			Good	Paint flaking		
6			X	X	X		poor site access	12' x 48'	AC	Good		X	PTDF w/ painted number	Good					X-04						X-05	Good/Good	FR surrounded by rock cobbles		X			Good	Set low on one side		
7			X	X	X	X	poor site access, many rocks and debris	10' x 35'	AC	Good		X	PTDF w/ painted number	Good					X-04						X-05	Good/Good	FR new, sloping		X			Good	Sloping		
8			X	X				12' x 40'	AC	Good		X	PTDF w/ painted number	Good					X-04						X-05	Good/Good			X			Good			
9			X	X		X	poor site access	12' x 41'	AC	Good		X	PTDF w/ painted number	Good					X-04						X-05	Good/Good	FR set low, surrounded by rocks		X			Good			
10			X	X		X	poor site access	10' x 35'	AC	Good		X	PTDF w/ painted number	Good					X-04						X-05	Good/Good	FR set low, surrounded by rocks		X			Good			
11			X	X		X	poor site access	10' x 32'	AC	Good		X	PTDF w/ painted number	Good					X-04						X-05	Good/Good	Surrounded by rocks		X			Good			
12			X	X		X	poor site access	12' x 28'	AC	Good		X	PTDF w/ painted number	Good					X-04						X-05	Good/Good	Surrounded by rocks		X			Good			
13			X	X		X	poor site access	12' x 44'	AC	Good		X	PTDF w/ painted number	Good					X-04						X-05	Good/Good			X			Good			
14			X	X		X	poor site access	12' x 44'	AC	Good		X	PTDF w/ painted number	Good					X-04						X-05	Good/Good			X			Good			
15			X	X		X	poor site access	12' x 50'	AC	Good		X	PTDF w/ painted number	Good					X-04						X-05	Good/Good	New, no rocks		X			Good	Table set too low		
16							difficult access but site is partly accessible	12' x 45'	AC	Good		X	PTDF w/ painted number	Good					X-04						X-05	Good/Good	New, no rocks		X			Good			
17			X	X			steep access	12' x 46'	AC	Good		X	PTDF w/ painted number	Good					X-04						X-05	Good/Good	New, no rocks		X			Good			
18			X	X		X	steep access	12' x 22'	AC	Good	Short	X	PTDF w/ painted number	Good					X-04						X-05	Good/Good	New, no rocks		X			Good			
19		X					designated accessible site	12' x 42'	AC	Good	Spur not accessible due to narrow width	X	PTDF w/ painted number	Good	HC sign	Painted Al (12" x 18") on wood post	Good			X-01					X-05	Good/Good	FR rusting			X-01		Good	Paint flaking, area around table is clear with crushed rock surface		
20							partly accessible, could be made fully accessible	12' x 45'	AC	Good		X	PTDF w/ painted number	Good					X-04						X-05	Good/Good			X			Good			
21		X					designated accessible site	16' x 53'	AC	Good		X	PTDF w/ painted number	Good	HC sign	Painted Al (12" x 18") on wood post	Good			X-05		X-98			X-05	Good/Good	FR rusting		X	X-98		Good	Table set too low. Area around table is clear with crushed rock surface.		
22			X	X		X	steep access and rocks	12' x 22'	AC	Good		X	PTDF w/ painted number	Good					X-05						X-05	Good/Good	New, no rocks		X			Good			

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM (continued)

SITE/UNIT FEATURES																																				
Site #	Host Site	Designated Accessible Site?	Accessibility Constraints				Spur				Site Signs				Stoves, Grills, Fire Rings and Bear Boxes										Tables				Other							
			Needs Leveling	Obstacles	Excessive Brush/Veg	Inadequate Clear Space	Remarks	Size*	Material	Condition	Remarks	Site Marker	Material	Condition	Other Signage	Material	Condition	Concrete/Steel Stove	Steel Stove	Steel Fire Ring	Fire Ring with Adj. Steel Grill**	HC Fire Ring with Adj. Grill	Ped. Grill	HC Ped Grill	Double Ped. Grill	HC Double Ped Grill	Large Bear Box**	Condition	Remarks	Wood Table (Light)	Wood Table (Heavy)	HC Table (Wood)*	HC Double Table (light)	Condition	Remarks	Remarks
23			X	X		X	obstacles throughout	12' x 43'	AC	Good		X	PTDF w/ painted number	Good						X-98							X-05	Good/Good	New, surrounded by rock cobbles		X			Good		
24			X	X	X	X	obstacles throughout	12' x 44'	AC	Good		X	PTDF w/ painted number	Good						X-05							X-05	Good/Good	New, surrounded by rock cobbles		X			Good	Paint peeling.	
25			X	X	X	X	obstacles throughout	13' x 40'	AC	Good		X	PTDF w/ painted number	Good						X-05							X-05	Good/Good	New		X			Good		
26			X	X		X	poor access	14' x 43'	AC	Good		X	PTDF w/ painted number	Good						X-98							X-05	Good/Good	New, surrounded by rock cobbles		X			Good		
27			X	X		X	poor access	12' x 48'	AC	Good		X	PTDF w/ painted number	Good						X-98							X-05	Good/Good	New, surrounded by rock cobbles		X			Good		
28			X	X	X	X	steep access	10' x 36'	AC	Good		X	PTDF w/ painted number	Good						X-05							X-06	Good/Good	New		X			Good		
29			X	X			steep, long access	12' x 50'	AC	Good		X	PTDF w/ painted number	Good						X-05							X	Good/Good	New		X			Good		
30			X	X			steep access	10' x 42'	AC	Good		X	PTDF w/ painted number	Good						X-98							X	Good/Good	New, surrounded by rock cobbles		X			Good		
31			X	X			steep access	12' x 48'	AC	Good		X	PTDF w/ painted number	Good						X-05							X	Good/Good	New		X			Good		
32			X	X			steep access	10' x 36'	AC	Good		X	PTDF w/ painted number	Good						X-05							X	Good/Good	New, surrounded by rock cobbles		X			Good		
33			X	X		X		12' x 46'	AC	Good		X	PTDF w/ painted number	Good						X-98							X	Good/Good	User created rock hearth.		X			Good		
34			X	X		X	Excessive slope	12' x 28'	AC	Good		X	PTDF w/ painted number	Good						X-05							X	Good/Good			X			Good		
35			X				entrance path too narrow, minor leveling needed, partly accessible	12' x 45'	AC	Good		X	PTDF w/ painted number	Good						X-98							X	Good/Good	New, surrounded by rock cobbles		X			Good	Paint peeling.	
36			X	X		X	steep entry	12' x 45'	AC	Good		X	PTDF w/ painted number	Good						X-98							X	Good/Good	New, surrounded by rock cobbles		X			Good		
37			X	X	X	X	steep entry	10' x 28'	AC	Good		X	PTDF w/ painted number	Good						X-05							X	Good/Good			X			Good	Sloping	
38			X	X			steep entry, minor leveling needed, minor obstacles, partly accessible	12' x 50'	AC	Good		X	PTDF w/ painted number	Good						X-98							X	Good/Good	New, surrounded by rock cobbles		X			Good		
39			X	X	X	X	poor access, steep	10' x 30'	AC	Good		X	PTDF w/ painted number	Good						X-05							X	Good/Good			X			Good		Poor drainage towards site.
40			X				insufficient clear space due to tables, minor leveling needed, partly accessible	12' x 50'	AC	Good		X	PTDF w/ painted number	Good						X-98							X	Good/Good	New, surrounded by rock cobbles		X			Good		
1		3										40								1	37	2	1				40				37	3				

Notes:

- designated handicap accessible site
- * - dimensions based on information provided by Ed Moore, TNF
- ** - presence and year installed based on information provided by Ed Moore, TNF
- NA - Not applicable.
- HC - Handicap Accessible
- PTDF - Pressure Treated Douglas Fire
- AC - Asphaltic Concrete, otherwise known as asphalt or pavement
- AO - Asphalt Overlay - A top coat of AC applied to a previously paved surface.
- Chip seal - Oil and crushed rock (usually 1/4") applied over a previously paved surface
- Crushed rock - Clean (no fines) crushed rock, usually 1/4" or 3/4"
- Aggregate Base - A combination of crushed rock, sand and clay. The fines make aggregate base compactable.

Appendix K-2
Lewis Campground
Photographs



Photo K-2-1. Site Identification sign, good condition. (9/04/08)



Photo K-2-2. Signage at Lewis Campground exit, good condition. (9/04/08)



Photo K-2-3. Swing gate with reflective hazard signs located at entrance to Lewis Campground, good condition. (9/04/08)



Photo K-2-4. Fee station at Lewis Campground located near entrance, all in good condition. (9/04/08)



Photo K-2-5. Site 1, Campground host site. (9/4/08)



Photo K-2-6. Paved accessible pathway to accessible bathroom with information board, adjacent to host site. All in good condition. (9/04/08).



Photo K-2-7. Typical non-accessible campsite. (9/04/08)



Photo K-2-8. Typical water faucet and information board located along loop roads, not accessible. (9/04/08)



Photo K-2-9. Typical 2-bin, bear-proof garbage container, new and in good condition. Note water faucet and information board on right side of photograph. Faucet is not accessible. (9/04/08)



Photo K-2-10. Wood bathroom structure No. 2. This is a double unit vault toilet in fair condition. Not accessible. (9/04/08)



Photo K-2-11. Dry rot on bathroom structure No. 2. (9/04/08)



Photo K-2-12. Wood bathroom structure with flush toilets and sinks, not accessible. (9/04/08)



Photo K-2-13. Sinks inside of wood bathroom. (9/04/08)



Photo K-2-14. Stalls inside of wood bathroom. These stalls are not accessible but this type of bathroom can be converted to meet accessibility standards. (9/04/08)



Photo K-2-15. Faucet with accessible handle. (9/04/09)



Photo K-2-16. Bear-proof garbage bins on concrete pads. Wood bathroom structure in background has flush toilets and has been converted to meet accessibility standards. (9/04/08)



Photo K-2-17. Accessible approach to bathroom. Note the absence of level changes. (9/04/08)



Photo K-2-18. Inside of wood bathroom structure converted to meet accessibility standards. (9/04/08)



Photo K-2-19. Designated accessible camp site. This type of sign is also present at Sites 4 and 19. (9/04/08)



Photo K-2-20. Accessible heavy wood table and pedestal grill at accessible Site 21. Note clear space around table and level, crushed rock surface. (9/04/08)

Appendix L-1

**Poppy Campground
Inventory**

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

Name of Facility:	Poppy Campground
Type of Facility:	Boat-in/Hike-in Campground
Managing Agency:	USDA Forest Service – Tahoe National Forest – Foresthill Ranger District
Date of this Inventory:	July 24, 2008
Inventory Prepared by:	Sandra Walter-Perry (ENTRIX) in consultation with Ed Moore (TNF)

BRIEF DESCRIPTION OF SITE:

Poppy Campground is located on the north shore of French Meadows Reservoir. The campground is accessible by boat or via a .75 mile long trail that begins at a large parking area located immediately north of McGuire Boat Ramp. The campground includes 12 sites, although two (Sites 11 and 12) are difficult to find. Each campsite includes one heavy wood table and one concrete fire pit with a steel grill. Two single-unit pit toilets are available in the center of the campground. Potable water is not available. None of the sites are disabled accessible.

OVERALL CONDITION OF FACILITY:

<p>Condition of Facility: Overall condition of the campground is poor. The two pit toilets are outdated and in poor condition. The individual campsites are in poor condition, with excessive forest debris and rock obstacles. Most tables are in fair condition with flaking paint, graffiti, and split table or bench boards. Some are broken and in very poor condition. One site (Site 5) has excessive litter. All of the sites have a concrete fire pit with a steel grill, which according to the TNF were designed in the 1960s. They are in relatively good condition, mainly because they do not appear to be used. Most have user-created rock extensions. The parking area is comprised of aggregate on native surface and is in good condition. The bathroom with flush toilets is in fair condition, meaning it is functional but in need of updating.</p>
<p>Accessibility Conditions: None of the sites are accessible. Neither of the pit toilets are accessible. The bathroom in the parking area is not accessible. The water faucets behind the bathrooms are not accessible because the sump/drains are set above grade, however both have accessible handles.</p>
<p>Health and Safety Concerns: Hazard trees in campground. Excessive litter. No potable water. Potential fire hazard due to dense tree canopy, heavy forest debris, and fire ladders.</p>
<p>Environmental and Cultural Concerns: None.</p>
<p>Comments: Potable water is supplied to this site via the Dolly Creek Water Supply, which is referred to by the Forest Service as the French Meadows North Shore Water System. The source water for the potable water supply at this site is a 575-foot deep groundwater well that feeds water to a 20,000-gallon concrete storage tank. Flow is approximately 11.75 gpm. The distribution line is a 6-inch diameter concrete asbestos pipe. This system also serves Gates Group CG, Coyote Group CG, Lewis CG, McGuire Picnic Area, an RV dump station, and a USDA-FS administrative site.</p>

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

FACILITY FEATURES

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility						Comments	
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other		
Bathroom	1 (Two sections -male and female)	Located at southwest end of Poppy Campground TH Parking area.	Wood Exterior	Flush	Fair	N	X					X	Female side includes 2 toilets and 2 sinks. Male side includes 1 toilet, 1 urinal, and 2 sinks. Entrance and stalls too narrow, level changes, no handrails. Can be retrofitted to meet accessibility standards.
Garbage Container	1 (Two-bin)	Adjacent to bathroom with flush toilets.	Steel	Bear-proof	Good	N						X	Not accessible due to handle design.
Faucet	2	Behind bathrooms with flush toilets.	Upright attached to wood post set in a round corrugated steel sump with drainage rock.	Potable water	Good	N	X	X				X	Handles are accessible but approach is not because sump/drain is set above grade. Faucet area is delineated with natural rock borders.
Bathroom	2	Two single units (M & F) side by side in middle of campground.	Painted wood	Pit	Poor	N						X	Outdated and in poor condition. Stalls are too high and narrow to meet accessibility standards. Recently shingled. Excess shingles on ground surrounding bathrooms.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

PARKING, ROADWAYS and TRAVEL PATHS

Feature	Quantity or Dimensions	Location or Description	Material	Cond	Accessibility						Comments
					Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Entrance Road	Approx. 160 feet long by 12 feet wide (single lane).	As measured from French Meadows Reservoir North Shore Access Road to start of the Poppy Campground Trailhead Parking Area	Paved	Good/ Fair							See detailed road survey results for additional information.
Parking Area	Approx. 10,000 square feet, roughly rectangular in shape	Poppy Campground Trailhead parking area located northwest of boat ramp.	Aggregate on native surface	Good	N					X	Northwest boundary is delineated with post and cable fence (7 posts). Barrier rocks (8) protect bathroom area. Not striped. No designated handicap parking. Surface is unconsolidated.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE

Type of Sign	Location	Qt.	Material	Cond	Wording/Graphics	Remarks	Accessibility Notes
Information Board	Trailhead (east end)	1	Painted MDO plywood board in/on painted wood frame/posts	Poor	Various information posters	Posts and sign board are deteriorating and paint is flaking.	Poster print is too small to see from a distance. Vegetation and obstacles in front of board inhibit access to info on board.
Trail Marker	Trailhead (east end)	1	2 painted aluminum signs on 1 PTDF post	Good	WESTERN STATES TRAIL/POPPY CAMPGROUND 1/4 Symbols: hiking, horseback riding, no motorcycles, no OHV		
Trail Marker	Near east end of Trail	1	Redwood sign with engraved letters on painted wood post	Fair	WESTERN STATES TRAIL/POPPY CAMPGROUND 1	Wood sign is deteriorating, poor contrast	Lettering too small. No contrast.
Site Identification	Entrance to Campground	1	Painted MDO plywood on painted wood posts	Good	CAMPGROUND Poppy	Minor paint flaking	
Site Identification	East side of campground on approach from FM Reservoir	1	Redwood sign with painted engraved letters on wood post	Very Poor	POPPY CAMPGROUND	One post is missing and sign is leaning over. Lettering is nearly illegible.	Sign is broken.
Information Board	In Campground, between Sites 4 and 7	1	Painted wood MDO plywood board in/on painted wood frame/posts	Fair	Various information posters	Board is in good condition. Paint on frame/posts is flaking. Protective roof is damaged.	Poster print is too small to see from a distance. Vegetation and obstacles in front of board inhibit access to info on board.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE (continued)

Type of Sign	Location	Qt.	Material	Cond	Wording/Graphics	Remarks	Accessibility Notes
Unit Markers	Throughout campground	7	Carsonite posts	Good	1/2, 3, 4, 5/6, 7, 8/9, 9		
Regulatory	On all tables	12	Paper	NA	Fire Restrictions Now in Effect. No Campfires, No Barbeques. Gas Stoves and Lanterns OK with Camp Fire Permit	Taped/stapled to tables.	Tables are not accessible and lack sufficient clear space.

Appendix L-2

**Poppy Trailhead Parking Area and Poppy Campground
Photographs**



Photo L-2-1. Poppy Trailhead Parking Area, looking west towards trailhead. (7/23/08)



Photo L-2-2. Poppy Trailhead Parking area, looking east from trailhead. (7/23/08)



Photo L-2-3. Wood bathrooms with flush toilets and sinks adjacent to Poppy Trailhead parking. Not accessible. (7/23/08)



Photo L-2-4. Barrier rock between parking area and bathroom. (7/23/08)



Photo L-2-5. Water faucets behind flush toilets. Not accessible. (7/23/08)



Photo L-2-6. Vault toilet near Poppy Trailhead parking. Not accessible. (7/23/08)



Photo L-2-7. Signage at Poppy Campground Trailhead entrance. (7/24/08)



Photo L-2-8. Information board near Poppy Campground Trailhead. (7/24/08)



Photo L-2-9. Wood sign along trail to Poppy Campground. (7/24/08)

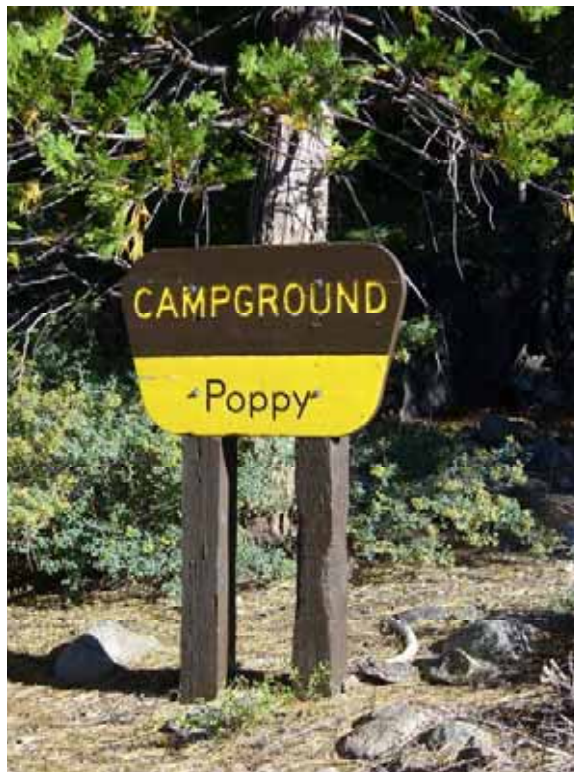


Photo L-2-10. Site identification sign at entrance to campground. (7/24/08)



Photo L-2-11. Information board in campground. (7/24/08)



Photo L-2-12. Typical carsonite marker. These directional markers are posted throughout the campground. (7/24/08)



Photo L-2-13. Site identification sign located between campground and French Meadows Reservoir. (7/24/08)



Photo L-2-14. Pit toilets in campground. No accessible. (7/24/08)



Photo L-2-15. Pit toilet side view. Note newly shingled roof and scrap shingles on ground. (7/24/08)



Photo L-2-16. Site 2. Typical site with heavy wood picnic table and concrete/steel grill. (7/24/08)



Photo L-2-17. Site 4. Note overgrown vegetation and obstacles around table. Concrete/steel grill in middle ground to left. French Meadows Reservoir in background. (7/24/08)



Photo L-2-18. Concrete/steel grill with user created rock enclosure. (7/24/08)



Photo L-2-19. Site 5. (7/24/08)



Photo L-2-20. Site 6. (7/24/08)



Photo L-2-21. Damaged table at Site 7. (7/24/08)



Photo L-2-22. Site 9. Note excessive debris and obstacles. (7/24/08)



Photo L-2-23. Trail to Sites 11 and 12. (7/24/08)



Photo L-2-24 Site 10. (7/24/08)



Photo L-2-25. Site 11. (7/24/08)



Photo L-2-26. Site 12. (7/24/08)

Appendix M-1
Coyote Group Campground
Inventory

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

Name of Facility:	Coyote Group Campground
Type of Facility:	Group Campground
Managing Agency:	USDA Forest Service – Tahoe National Forest – Foresthill Ranger District
Date of this Inventory:	July 24, 2008
Inventory Prepared by:	Sandra Walter-Perry (ENTRIX) in consultation with Ed Moore (TNF)

BRIEF DESCRIPTION OF SITE:

Coyote Group Campground is located east of French Meadows Reservoir, on the north side of the Middle Fork American River. The campground includes four group campgrounds referred to as Prairie Wolf, Brush Wolf, Little Wolf, and Black Bear. Prairie Wolf, Brush Wolf, and Little Wolf are located in the same general area and are accessible via FR-96. Black Bear is separated from the other sites and accessible via the North Shore Access Road (42.2), off of FR-96. Black Bear is the largest of the group camp sites and can accommodate 50 persons at one time (PAOT). The other sites can each accommodate 25 PAOT. Each campsite includes heavy wood picnic and serving tables, handicap accessible double pedestal grills, large bear boxes, bear-proof garbage bins, a group fire ring with benches, vault toilets, and water faucets. In addition, a handicap accessible bathroom with flush toilets is available at Black Bear. None of the sites are designated as disabled accessible. The sites may be used by reservation only.

OVERALL CONDITION OF FACILITY:

<p>Condition of Facility: Overall facility condition is good. The entrance roads and all parking areas are all paved and striped, and in good condition. All of the vault toilets are in good condition but outdated. The individual campsites are in good condition. Most of the picnic and serving tables are in good condition with minor flaking paint. The bear boxes, pedestal grills, and garbage containers are relatively new and therefore in good condition. The group fire pits and benches are in good condition, except for the benches at Prairie Wolf. The benches at Prairie Wolf are old style benches. According to the Forest Service, it is not possible to install the new style benches due to shallow bedrock at this site.</p>
<p>Accessibility Conditions: None of the sites are designated as accessible. However, at least a portion of the all of the sites is level and relatively free of obstacles. Little Wolf has three stairs between the parking area and the camp site, which are not accessible. Prairie Wolf has lots of large rocks and bedrock outcrops which obstruct travel paths. Black Bear is overgrown with vegetation, mainly tall grasses, which obstruct travel routes and access to site features. The bathroom at Black Bear has flush toilets and was converted to be accessible. Otherwise, none of the other bathrooms are accessible. Some of the faucets have accessible handles. Otherwise, the faucets are not accessible. The Forest Service determined that it is feasible to make Black Bear accessible.</p>
<p>Health and Safety Concerns: None</p>
<p>Environmental and Cultural Concerns: One cultural resources (FS-05-17-54-08) are located near Coyote Campground. This site was recorded as a bedrock milling station and flake scatter and was found eligible for inclusion on the NRHP by the Forest Service. However it could not be located during cultural surveys conducted in 2006.</p>
<p>Comments: Water is supplied to this site via the Dolly Creek Water Supply, which is referred to by the Forest Service as the French Meadows North Shore Water System. The water source is a 575 feet deep groundwater well. Flow is approximately 11.75 gallons per minute.</p>

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

FACILITY FEATURES

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility					Comments	
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope		Other
Bathroom	3	1 each in Prairie Wolf, Little Wolf and Brush Wolf	Wood, double unit	Vault	Good	N	X	X			X	Interior of bathrooms are in good condition. Exteriors are generally in good condition with minor paint flaking and dry lot along the eaves. None are accessible due to narrow widths, steps, etc. Pathway to Prairie Wolf bathroom is very narrow.
Bathroom	1	Black Bear	Wood, double unit Women's side has 2 toilets and 1 sink. Men's side has 1 toilet, 1 urinal and 1 sink.	Flush	Good	Y	X		X			Bathroom is generally in good condition, inside and outside. Bear claw marks are present on the door. According to Ed Moore, people store their food in the bathroom. This bathroom was converted to be accessible. A small lip is present at the entrance which should be filled. Also, brush by impede access.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

FACILITY FEATURES (continued)

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility						Comments
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Faucets	8	2 in Black Bear 2 in Brush Wolf 2 in Little Wolf 2 in Prairie Wolf	Standard upright steel pipe mounted to wood post set in corrugated steel drainage sump.		Fair to Good	N	X	X	X	X	X	Accessibility varies. Most are difficult to access due to unlevel surfaces, and the presence of obstacles. Height of steel sumps varies from below grade to 8 inches high. Black Bear – Neither faucet is accessible Brush Wolf – One faucet has an accessible handle Little Wolf - One faucet has an accessible handle Prairie Wolf - One faucet has an accessible handle
Gate	1	At main entrance to Coyote Group Campground	Green painted steel	Double, swing gate	Good	NA						Caution signage is in fair condition due to peeling paint.
Gate	1	On road to Prairie Wolf	Green painted steel	Swing gate	Good	NA						Installed in October 2006

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

FACILITY FEATURES (continued)

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility					Comments	
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope		Other
Gate	1	On road to Brush Wolf	Green painted steel	Single swing gate	Good	NA						Installed in September 2002
Gate	1	At entrance to Black Bear	Green painted steel	Single swing gate	Good	NA						Caution signage is in fair condition due to peeling paint.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

PARKING, ROADWAYS and TRAVEL PATHS

Feature	Quantity or Dimensions	Location or Description	Material	Cond	Accessibility						Comments
					Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Access and CG Loop Roads	Approx. 2,050 feet long. Mostly single lane.	Little Wolf and Brush Wolf Main Access Road and Loop, Prairie Wolf Main Access Road, Prairie Wolf Loop Road	Paved (AC)	Good	Y						Overall in good condition. See detailed road survey results for additional information.
Parking Areas	Total of 9,600 square feet	Little Wolf, Brush Wolf Prairie Wolf Parking Areas	Paved (AC)	Good	Y						Overall in good condition. Delineated with PTDF posts, bars and barrier rocks. Some striping is faded.
Access and CG Loop Roads	Approx. 450 feet long. Mostly single lane.	Black Bear Access and Loop Road	Paved (AC)	Good	Y						Overall in good condition. See detailed road survey results for additional information.
Parking Areas	Total of 8,500 square feet	Black Bear Parking Areas	Paved (AC)	Good	Y						Overall in good condition. Delineated barrier rocks. Some striping is faded.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE

Type of Sign	Location	Qt.	Materials	Cond.	Wording/Graphics	Remarks	Accessibility Notes
Signage Pertinent to Coyote Group Campground - Little Wolf, Brush Wolf, and Prairie Wolf (July 24, 2008)							
Site Identification	On east side of road FR 96, across from main entrance to campground	1	Painted MDO plywood on painted wood posts (double sided)	Fair	GROUP CAMPS Coyote	Minor damage and paint flaking	Good contrast
Site Identification	Near main entrance to campground	1	Painted aluminum on PTDF post	Good	COYOTE GROUP LITTLE WOLF BRUSH WOLF PRAIRIE WOLF	Several bullet indentations (non-penetrating)	
Informational	On gate at main entrance to campground	1	Painted aluminum mounted on gate	Good	GROUP CAMPGROUNDS BY RESERVATION ONLY CALL FORESTHILL RANGER STATION FOR INFORMATION 530 367-2224		
Regulatory	On gate at main entrance to campground	1	Painted aluminum mounted on gate	Good	NO PARKING (w/ symbol)		
Traffic	On gate at main entrance to campground	2	Painted aluminum mounted on gate	Poor	Caution sign - yellow and black diagonal striping	Paint is peeling	
Traffic	At exit	1	Painted aluminum mounted on PTDF post	Good	OFF HIGHWAY VEHICLES PROHIBITED ON PAVED ROADS		

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE (continued)

Type of Sign	Location	Qt.	Materials	Cond.	Wording/Graphics	Remarks	Accessibility Notes
Signage Pertinent to Coyote Group Campground - Little Wolf, Brush Wolf, and Prairie Wolf (July 24, 2008)							
Directional	At intersection of roads to individual group camps	1	Painted wood with engraved painted letters mounted on painted wood posts	Good	← LITTLE WOLF CAMP ← BRUSH WOLF CAMP PRAIRIE WOLF CAMP →		
Little Wolf and Brush Wolf (July 24, 2008)							
Site Identification	Adjacent to parking area at Little Wolf	1	Painted aluminum on PTFD post.	Good	LITTLE WOLF		
Information Board	Adjacent to steps at Little Wolf camp	1	Painted MDO plywood board in/on painted wood frame/posts with shingled roof	Good	Various information and regulatory posters	Paint on frame and board is flaking/peeling.	Poster print is too small to see from a distance. Surface in front of board is not level and has obstacles, impeding access.
Site Identification	Adjacent to parking area at Brush Wolf camp	1	Painted aluminum on PTFD post.	Fair	BRUSH WOLF	Minor paint peeling, bent	
Traffic	On gate at barrier gate on road to Brush Wolf camp.	4	Painted aluminum mounted on gate	Good	Hazard sign - red and white diagonal striping		
Directional	At apex of Brush Wolf loop	1	Painted aluminum on short redwood post	Good	arrow	Paint on edge of sign is flaking	Set too low.
Information Board	At Brush Wolf site entrance	1	Painted MDO plywood board in/on painted wood frame/posts with shingled roof	Good	Various information and regulatory posters	Paint on frame and board is flaking/peeling.	Poster print is too small to see from a distance.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE (continued)

Type of Sign	Location	Qt.	Materials	Cond.	Wording/Graphics	Remarks	Accessibility Notes
Prairie Wolf (July 24, 2008)							
Site Identification	Adjacent to gate at entrance to Prairie Wolf parking area.	1	Painted aluminum on PTFD post, adjacent to gate.	Good	PRAIRIE WOLF	Minor paint flaking on edges of sign	
Traffic	On barrier gate on entrance road to Prairie Wolf	4	Painted aluminum on PTFD post mounted on gate	Good	Hazard sign - red and white diagonal		
Regulatory	In unpaved area adjacent to Prairie Wolf parking area	1	Painted aluminum mounted on redwood post	Good	NO PARKING (w/ symbol)		Set too low
Information Board	Adjacent to Prairie Wolf camp	1	Painted MDO plywood board in/on painted wood frame/posts with shingled roof	Good	Various information and regulatory posters	Paint on frame is flaking/peeling.	Poster print is too small to see from a distance. Surface in front of board is not level and has obstacles, impeding access.
Message board	Adjacent to rock in Prairie Wolf camp	1	Painted wood board on painted post	Fair	none	Board wood is splitting and paint is peeling	Surface in front of message board is not level

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE (continued)

Type of Sign	Location	Qt.	Materials	Cond.	Wording/Graphics	Remarks	Accessibility Notes
Black Bear (July 24, 2008)							
Directional	On east side of FR 96 adjacent to MP 40 marker	1	Painted aluminum sign on PTDF posts	Good	COYOTE GROUP BLACK BEAR		
Site Identification	Near entrance to campground (east side)	1	Painted MDO plywood on painted wood posts (double sided)	Good	GROUP CAMPS Black Bear		
Informational	On gate at main entrance to Black Bear campground	1	Painted aluminum mounted on gate	Fair	GROUP CAMPGROUNDS BY RESERVATION ONLY CALL FORESTHILL RANGER STATION FOR INFORMATION 530 367-2224	Paint is peeling	
Traffic	On gate at main entrance to Black Bear campground	2	Painted aluminum mounted on gate	Poor	Caution sign - yellow and black diagonal striping	Paint is peeling	
Traffic	At Black Bear exit	1	Painted aluminum mounted on PTDF post	Good	OFF HIGHWAY VEHICLES PROHIBITED ON PAVED ROADS		
Information Board	Near toilets in Black Bear camp	1	Painted MDO plywood board in/on painted wood frame/posts with shingled roof	Good	Various information and regulatory posters	Paint on frame and board is flaking/peeling.	Poster print is too small to see from a distance. Surface in front of board is level but not compacted.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SITE/UNIT FEATURES

Site #	Host Site	Designated Accessible Site?	Accessibility Constraints				Remarks	Spur		Site Signs				Tables												Other Remarks										
			Needs Leveling	Obstacles	Excessive Brush/Veg	Inadequate Clear Space		RV	Regular	Material	Condition/Remarks	Site Marker	Material	Condition	Remarks	Group Fire Ring**	Condition/Remarks	Old Benches**	Condition/Remarks	New Benches**	Condition/Remarks	Double Ped. Grill**	Condition/Remarks	Fire Pit	Condition/Remarks		Large Bear Box**	Condition/Remarks	Bear-proof Garbage**	Condition/Remarks	Garbage Cans	Condition/Remarks	Serving Table (Heavy Wood)**	Condition	Picnic Table (Heavy Wood)**	Condition
Brush Wolf (25 person site)																																				
		No	X	X			Relatively level. Need minor leveling and removal of small obstacles. Good clearance around site features.	4	4	Paved and striped with barrier posts around edges	Good Striping is fading. Barrier posts are in good condition.	X	Aluminum on PTDF post	Fair	Bent	1-1966	Good Surrounded by rock ring	5-1966	Fair to poor set too low, need sanding and painting	5-2006	Good Heavy wood benches on steel posts set in ground	1-2001	Good			2-2002	Good 1 is set on concrete pad, the other is not	2-1999	Good Both are set on concrete pads	1	fair	3	Good	4	Good, except for one which is broken	
Little Wolf (25 person site)																																				
		No	X	X			Relatively level. Three steps from parking area to campsite - not accessible	4	6	Paved and striped with barrier posts around edges	Good Some striping is faded. Barrier posts are in good condition	X	Aluminum on PTDF post	Good		1-1966	Good Surrounded by rock ring		5-2006	Good Heavy wood benches on steel posts set in ground	1-2002	Good			2-2002	Good. Both are set on concrete pads.	2-1999	Good			3	Good	4	Good		
Prairie Wolf (25 person site)																																				
		No	X	X			Lots of rocks and bedrock obstruct all travel paths around site. This site would be very difficult to make accessible.	2	7	Paved and striped with barrier posts, bars, and rocks around edges.	Good Barrier posts and bars are in good condition. Individual stalls are narrow.	X	Aluminum on PTDF post	Good		1-1966	Fair Ring is made of corrugated steel set about 16 inches above grade.	5-1966	Fair Old style benches. Not accessible. Limited clear space. Need sanding and painting. One is not near fire ring.			1-2002	Good			2-2002	Good. Both are set on concrete pads.	2-1999	Good			3	Good	4	Good	According to Ed Moore, it is not possible to install new benches around fire ring at this site because the soil horizon is thin. That is, there is bedrock immediately below the surface.
Black Bear (50 person site)																																				
		No	X	X	X	X	Sight is relatively flat but needs minor leveling and removal of obstacles. Overgrown brush (mainly grasses) throughout campground. Many tables impede movement through kitchen area. Trail to group fire ring is steep and brushy.	7	9	Paved and mostly striped with barrier rock around edges	Good	X	MDO on PTDF	Good	Located on along North Shore Recreation Facilities Access Road	1-1966	Good Surrounded by rock ring	7-1966	Poor to Fair. Old style benches. 5 located around group fire pit. 2 in kitchen across from small fire pit. People move them around the site.	6-2006	Good Heavy wood benches on steel posts set in ground	2-2002	Good	1	Small orregated steel fire ring in kitchen area with 2 benches on either side.	3-2002	Good 2 are set on concrete pads, the other is not	2-1999	Good Both are set on concrete pads	1	Good. Standard plastic can set between two bear-proof bins.	4	Good	7	Good Supposed to be 8 picnic tables but 1 is missing.	Site was recently used as a staging area by fire crews. Lots of stacked fire wood left by fire crews. Site was closed from June to mid-July during fire.
		0						17	26						3		17		16		5		1		9		8		2		13		19			

Notes:

- * - dimensions based on information provided by Ed Moore , TNF
- ** - number of units and year installed based on information provided by Ed Moore, TNF
- NA - Not applicable.
- HC - Handicap Accessible
- PTDF - Pressure Treated Douglas Fir
- AC - Asphaltic Concrete, otherwise known as asphalt or pavement
- AO - Asphalt Overlay - A top coat of AC applied to a previously paved surface.
- Chip seal - Oil and crushed rock (usually 1/4") applied over a previously paved surface
- Crushed rock - Clean (no fines) crushed rock, usually 1/4" or 3/4"
- Aggregate Base - A combination of crushed rock, sand and clay. The fines make aggregate base compactable.

Appendix M-2
Coyote Group Campground
Photographs



Photo M-2-1. Site identification sign located on FR 96 across. (7/24/08)



Photo M-2-2. Double swing gate at intersection of FR-96 and Little Wolf and Brush Wolf Main Access Road. This gate is closed and locked when none of the sites are reserved. (7/24/08)



Photo M-2-3. Example of RV/trailer parking at Little Wolf. (7/24/08)



Photo M-2-4. Steps between parking area and Little Wolf.



Photo M-2-5. Little Wolf kitchen and dining area. Note double pedestal grill, and heavy wood serving tables. Serving tables don't have benches like picnic tables. (7/24/08)



Photo M-2-6. Bear boxes at Little Wolf. (7/23/08)



Photo M-2-7. Single swing gate on road to Brush Wolf. This gate was installed in September 2002. (7/24/08)



Photo M-2-8. Brush Wolf loop road. Note barrier post along edge of road way.



Photo M-2-9. Typical site identification sign with bear-proof garbage containers in middle ground and campsite kitchen and dining area in background. (7/24/08)



Photo M-2-10. Brush Wolf kitchen and dining area. Note heavy wood picnic tables, water faucet with accessible handle and bear box on concrete pad.

(7/24/08)



Photo M-2-11. Group fire ring at Brush Wolf with old and new style benches. (7/24/08)



Photo M-2-12. Gate on road to Prairie Wolf. This gate was installed in October 2006.



Photo M-2-13. RV parking at Prairie Wolf. (7/24/08)



Photo M-2-14. Shorter parking stalls at Prairie Wolf with wood barrier posts. (7/24/08)



Photo M-2-15. Vault toilet building at Prairie Wolf. Note narrow entrance path. (7/24/08)



Photo M-2-16. Group fire ring with old benches at Prairie Wolf. Note bedrock. (7/24/08)



Photo M-2-17. Prairie Wolf Group Camp. Note bedrock in foreground and camp site in background. (7/24/08)



Photo M-2-18. Double swing gate at entrance to Black Bear. (7/24/08)



Photo M-2-19. Parking at Black Bear with bathroom in background. (7/24/08)



Photo M-2-20. Side view of bathroom at Black Bear from parking area. This bathroom has flush toilets and sinks and was retrofitted to meet accessibility standards. (7/24/08)



Photo M-2-21. Bear scratches on bathroom at Black Bear. (7/24/08)



Photo M-2-22. Three bear boxes at Black Bear. Two on concrete pads. Stacked wood was left by fire crews who used this site as a staging area in 2008. Note vegetation. (7/24/08)



Photo M-2-23. Group fire ring with new and old style benches at Black Bear. Note vegetation. (7/24/08)



Photo M-2-24. Three serving tables and double pedestal grills at Black Bear. Note vegetation. (7/25/08)

Appendix N-1
Gates Group Campground
Inventory

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

Name of Facility:	Gates Group Campground
Type of Facility:	Group Campground
Managing Agency:	USDA Forest Service – Tahoe National Forest – Foresthill Ranger District
Date of this Inventory:	September 4, 2008
Inventory Prepared by:	Sandra Walter-Perry (ENTRIX) in consultation with Ed Moore (TNF)

BRIEF DESCRIPTION OF SITE:

Gates Group Campground is located east of French Meadows Reservoir, on the south side of the Middle Fork American River. The campground is accessible via FR 68, off of FR 96. The campground includes three group campgrounds referred to as Ponderosa, Lodgepole, and Aspen. Ponderosa is the largest and can accommodate 75 persons at one time (PAOT). Lodgepole and Aspen can each accommodate 25 PAOT. Each campsite includes heavy wood picnic and serving tables, concrete stoves with steel grills, handicap accessible double pedestal grills, large bear boxes, bear-proof garbage bins, a group fire ring with new benches, vault toilets, and water faucets. None of the sites are designated as disabled accessible. The sites may be used by reservation only.

OVERALL CONDITION OF FACILITY:

<p>Condition of Facility: Overall facility condition is fair to good. The entrance road and all parking areas are paved and striped, and in good condition. All of the vault toilets are in good condition but outdated. The individual campsites are in good condition. Most of the picnic and serving tables are in good condition with minor flaking paint. All of the sites have concrete stoves with a steel grill. These are in fair to good condition but according to the TNF these stoves were designed in the 1960s and are outdated. The bear boxes, pedestal grills, and garbage containers are relatively new and therefore in good condition. The group fire pits and benches are in good condition, except for the fire pit at Ponderosa which is in poor condition due to damage.</p>
<p>Accessibility Conditions: None of the sites are designated as accessible. However, at least a portion of the all of the sites is level and relatively free of obstacles. None of the bathrooms are accessible. Some of the faucets have accessible handles. Otherwise, the faucets are not accessible. The Forest Service determined that it is feasible to make Aspen accessible.</p>
<p>Health and Safety Concerns: None</p>
<p>Environmental and Cultural Concerns: Two cultural resources (FS-05-17-54-116 and FS-05-17-54-370) are located within the boundaries of Ponderosa. One is described as a bedrock mortar and flake scatter and the other is described as flake scatter. The boundaries of 116 were expanded to include 54-370 during cultural resources studies. In 1994, the FS determined that site 54-370 is not eligible for the NRHP.</p>
<p>Comments: Water is supplied to this site via the Dolly Creek Water Supply, which is referred to by the Forest Service as the French Meadows North Shore Water System. The water source is a 575 feet deep groundwater well. Flow is approximately 11.75 gallons per minute.</p>

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

FACILITY FEATURES

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility						Comments
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Bathroom	4	2 in Ponderosa, 1 in Lodgepole, 1 in Aspen	Wood, double unit	Vault	Good	N	X	X			X	Interior of bathrooms are in good condition. Exteriors are generally in good condition with minor paint flaking. None are accessible due to narrow widths, steps, etc.
Faucets	12	6 in Ponderosa, 3 in Lodgepole, 3 in Aspen	Standard upright steel pipe mounted to wood post set in corrugated steel drainage sump.		Fair to Good	N	X	X	X	X	X	Accessibility varies. Most are difficult to access due unlevel surfaces, and the presence of obstacles. Height of steel sumps varies from below grade to 8 inches high. One faucet in Ponderosa has an accessible handle. All of the faucets in Lodgepole and Aspen have accessible handles.
Gate	1	At main entrance to Gates Group Campground	Green painted steel	Double, swing gate	Good	NA						
Gate	1	At entrance to Ponderosa	Green painted steel	Double, swing gate	Good	NA						Installed in October 2007

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

FACILITY FEATURES (continued)

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility						Comments
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Gate	1	On main road before Aspen.	Green painted steel	Single swing gate	Good	NA						Installed in September 2006
Valve Boxes and Drain Covers	17	Throughout campground, typically next to faucets.	Green plastic and concrete Christy boxes		Fair to Good							

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

PARKING, ROADWAYS and TRAVEL PATHS

Feature	Quantity or Dimensions	Location or Description	Material	Cond	Accessibility						Comments
					Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Access and CG Loop Roads	Approx. 3,400 feet long. Mostly single lane.	Main access road and Ponderosa Loop Road	Pave (AC)	Good	Y						Overall in good condition. See detailed road survey results for additional information.
Parking Areas	Approx. 19,000 square feet adjacent to roadways	Ponderosa, Lodgepole, and Aspen parking areas	Pave (AC)	Good	Y						Striped and overall in good condition.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE

Type of Sign	Location	Qt.	Materials	Cond.	Wording/Graphics	Remarks	Accessibility Notes
Signage Pertinent to all Gates Group Campground (September 4, 2008)							
Site Identification Sign	At main entrance to Gates Group Campground	1	Painted aluminum (24" x 24") mounted on PTDF post.	Fair	GATES GROUP/ Ponderosa, Lodgepole, Aspen	Sign is bent but readable	
Information	At main entrance to Gates Group Campground	1	Painted aluminum (8" x 16") mounted on PTDF post.	Fair	68-02	Sign is bent but readable	
Informational	On double gate at main entrance to campground	1	Painted aluminum (22" x 31") mounted on gate	Good	GROUP CAMPGROUNDS BY RESERVATION ONLY CALL FORESTHILL RANGER STATION FOR INFORMATION 530 367-2224		
Traffic	On gate at main entrance to campground	2	Painted aluminum (8" x 48") mounted on gate	Fair	Caution sign - yellow and black diagonal striping	Paint is peeling	
Traffic	At exit	1	Painted aluminum (18" x 24") mounted on PTDF post	Good	OFF HIGHWAY VEHICLES PROHIBITED ON PAVED ROADS		
Informational	Throughout campgrounds, adjacent to water valve boxes	6	Brown carsonite markers with white paint	Fair/ Good	WATER LINE		

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE (continued)

Type of Sign	Location	Qt.	Materials	Cond.	Wording/Graphics	Remarks	Accessibility Notes
Ponderosa (September 4, 2008)							
Traffic	On double gate at entrance to Ponderosa	8	Painted aluminum (8" x 24") mounted on gate	Good	Reflective hazard signs – red and white diagonal striping	New, 4 on each gate	
Site Identification	Adjacent to Gate	1	Painted aluminum (7" x 21") mounted on PTDF post	Good	PONDEROSA	White lettering on brown background	
Regulatory	On same post as above	1	Painted aluminum (12' x 18")	Good	STATE GAME REFUGE – ALL HUNTING- AND POSSESSION OF GUNS PROHIBITED	Black lettering on yellow background	
Information Board	At entrance to Ponderosa	1	Painted MDO plywood board in/on painted wood frame/posts	Good	Various information and regulatory posters	Paint on frame and board is flaking/peeling.	Poster print is too small to see from a distance. Surface in front of board is not level. Route to board is obstructed by trees and barrier rock.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE (continued)

Type of Sign	Location	Qt.	Materials	Cond.	Wording/Graphics	Remarks	Accessibility Notes
Lodgepole (September 4, 2008)							
Site Identification	At edge of site, next to carsonite water line marker	1	Painted aluminum (7" x 20") mounted on PTDF post	Good	LOGEPOLE	White lettering on brown background	
Regulatory	On same post as above	1	Painted aluminum	Good	STATE GAME REFUGE – ALL UNTING- AND POSSESSION OF GUNS PROHIBITED	Black lettering on yellow background	
Information Board	At entrance to Ponderosa	1	Painted MDO plywood board (46" x 46") in/on painted wood frame/posts	Good	Various information and regulatory posters	Paint is fading.	Poster print is too small to see from a distance.
Aspen (September 4, 2008)							
Traffic	On single gate at entrance to Aspen	4	Painted aluminum (12" x 36") mounted on gate	Good	Hazard sign – red and white diagonal striping	New	
Site Identification	Entrance to site	1	Painted aluminum (7" x 13") mounted on PTDF post	Good	ASPEN	White lettering on brown background	
Information Board	At entrance to Ponderosa	1	Painted MDO plywood board (48" x 48") in/on painted wood frame/posts	Good	Various information and regulatory posters	Paint is fading.	Poster print is too small to see from a distance.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SITE/UNIT FEATURES

Site #	Host Site	Designated Accessible Site?	Accessibility Constraints				Spur				Site Signs						Stoves, Grills, Fire Rings, Bear Boxes, and Garbage Cans												Tables				Other											
			Needs Leveling	Obstacles	Excessive Brush/Veg	Inadequate Clear Space	Remarks	RV	Regular	Material	Condition/Remarks	Site Marker	Material	Condition	Other Signage	Material	Condition	Concrete Stove w/ Steel Grill Stove**	Condition/Remarks	Group Fire Ring**	Condition/Remarks	Old Benches	Condition/Remarks	New Benches	Condition/Remarks	HC Double Ped. Grill**	Condition/Remarks	Fire Pit	Condition/Remarks	Large Bear Box**	Condition/Remarks	Bear-proof Garbage	Condition/Remarks	Garbage Cans	Condition/Remarks	Serving Table (Heavy Wood)**	Condition	Picnic Table (Heavy Wood)**	Condition	Remarks				
Ponderosa (75 person site)																																												
		No	X	X		X	Could be made accessible. Serving and picnic tables create obstacles.	12	13	Paved (AC)	Striped/Good	1	Painted Al on wood post	Good	None					3-1966	Set side by side. One is in good condition and the other two are damaged.	1-1966	Poor. Bent and improperly set.	13	Heavy wood. Fair to poor. Most are set too low and are crooked. One is broken. All need sanding and painting.	7-2006	Heavy wood on steel posts. Good condition.	2-2001	Good but rusty.	1	Located in center of camp. Poor condition. Bent and rusty.	4-2001	Good condition. Two are on concrete pads.	3-1998	Located near entrance, across from toilet. All on concrete pads. Good condition.	1	regular plastic trash can with stenciled "aluminum cans" on side	4	Good	11	Good	Concrete pad with wood post and ring next to faucet #1.		
Lodgepole 25 person site																																												
		No				Relatively level and free of obstacles.	4 + 1 turn-around	5	Paved (AC)	Striped/Good	1	Painted Al on wood post	Good	None					2-1966	Damaged.	1-1966					5-2006	Benches are wood on steel posts all in good condition	1-2001	Good			2-2001	Good condition. One is set on a concrete pad.	2-1998	Both on concrete pads. Good condition.			3	Good	4	Good	Two concrete pads with nothing on them.		
Aspen (25 person site)																																												
		No				Relatively level and free of obstacles.	4 + 1 turn-around	5 + 1 turn-around	Paved (AC)	Good but RV striping is criss crossed	1	Painted Al on wood post	Good	None					2-1966		1-1966					5-2006	Benches are wood on steel posts all in good condition	1-2001	Good			2-2001	Good condition. One is on concrete pad.	2-1998	Both are in good condition but one is installed backwards.			3	All in good condition with exception of flaking paint.	4	All in good condition with exception of flaking paint.	One concrete pad next to bathroom. One concrete pad with wood post and steel ring in kitchen.		
		0									3								7		3					13		17			4		1		8		7		1		10		19	

Notes:
 * - dimensions based on information provided by Ed Moore , TNF
 ** - number of units and year installed based on information provided by Ed Moore, TNF
 NA - Not applicable.
 HC - Handicap Accessible
 PTDF - Pressure Treated Douglas Fir
 AC - Asphaltic Concrete, otherwise known as asphalt or pavement
 AO - Asphalt Overlay - A top coat of AC applied to a previously paved surface.
 Chip seal - Oil and crushed rock (usually 1/4") applied over a previously paved surface
 Crushed rock - Clean (no fines) crushed rock, usually 1/4" or 3/4"
 Aggregate Base - A combination of crushed rock, sand and clay. The fines make aggregate base compactable.

Appendix N-2
Gates Group Campground
Photographs



Photo N-2-1. Double swing gate at main entrance road to Gates Group Campground. (9/4/08)



Photo N-2-2. Signage at Gates Group Campground exit. (9/4/08)



Photo N-2-3. Main access road to Gates Group Campground. (9/4/08)



Photo N-2-4. Swing gate at entrance to Ponderosa. The gate at Ponderosa is a double gate and was installed in October 2007. (9/4/08)



Photo N-2-5. Swing gate along main access road near Aspen, looking north towards Lodgepole. This gate was installed in September 2006. (7/23/08)



Photo N-2-6. Typical campsite marker and carsonite water line marker. (9/4/08)



Photo N-2-7. Typical parking area at Gates Group Campground. This parking area is located at the entrance to Ponderosa. Note the striping and long stalls for trailers/RVs. Pavement is in good condition. (9/4/08)



Photo N-2-8. Typical bear-proof garbage containers in the Gates Group Campground. These containers are located at the entrance to Ponderosa. (9/4/08)



Photo N-2-9. Typical vault bathroom in Gates Group Campground. This bathroom is located in Ponderosa Campground. None of the bathrooms in the Gates Group Campground are accessible. (9/4/08)



Photo N-2-10. Ponderosa, a 75 person group camp. (9/4/08)



Photo N-2-11. Four bear-proof garbage containers (bear boxes) and a heavy wood serving table at Ponderosa. (9/4/08)



Photo N-2-12. Three concrete stoves with steel gills at Ponderosa. (9/4/08)



Photo N-2-13. Small fire pit in Ponderosa kitchen area. (9/4/08)



Photo N-2-14. Damaged group fire pit at Ponderosa. Note new benches in middle ground and old benches in background. (9/4/08)



Photo N-2-15. Turn-around area at Lodgepole. Note pavement is in good condition. (9/4/08)



Photo N-2-16. Group fire pit and new benches at Lodgepole. (9/4/08)



Photo N-2-17. Typical heavy wood picnic tables and water faucet in Gates Group Campground. This photograph was taken at Aspen. (9/4/08)



Photo N-2-18. Typical heavy wood serving tables and concrete stoves with steel grills in Gates Group Campground. This photograph was taken at Aspen. (9/4/08)



Photo N-2-19. Double, handicap accessible, steel, adjustable cooking grill. This photograph was taken at Aspen. (9/4/08)



Photo N-2-20. Group fire pit and new benches at Aspen. (9/4/08)

Appendix O-1

**French Meadows Boat Ramp and Picnic Area
Inventory**

French Meadows Boat Ramp and Parking Area

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

Name of Facility:	French Meadows Boat Ramp and Parking Area
Type of Facility:	Boat Ramp
Managing Agency:	USDA Forest Service – Tahoe National Forest – American River Ranger District
Date of this Inventory:	July 23, 2008
Inventory Prepared by:	Sandra Walter-Perry (ENTRIX) in consultation with Ed Moore and William Davis (TNF) and Vicky Jowice (ENF)

BRIEF DESCRIPTION OF SITE:

French Meadows Boat Ramp is located on the south shore of French Meadows Reservoir. French Meadows Boat Ramp area includes a concrete boat ramp and large parking area. A paved road connects the parking area to the boat ramp. A bathroom with flush toilets and sinks is available between the ramp and the parking area. In addition, potable water is available at a faucet located adjacent to the bathroom. The site is operated by the Forest Service with funds provided by PCWA under the current FERC license agreement.

OVERALL CONDITION OF FACILITY:

<p>Condition of Facility: Overall, the boat ramp is in fair condition. The ramp is functional but the concrete is spalling and cracked, and vegetation is growing in the cracks. The parking area is functional has deteriorated to aggregate base rock and is therefore in poor condition relative to its original condition. The road connecting the boat ramp and parking area is paved and in good condition. The bathroom is in fair condition.</p>
<p>Accessibility Conditions: The surface of the boat ramp meets accessibility standards but the slope of the ramp is too steep to fully meet accessibility standards. There are no designated handicap accessible parking stalls in the parking area but the parking area is large enough to accommodate persons with disabilities. The bathroom is not disabled accessible but can be retrofitted, if needed. The water faucet handle is accessible. However, the sump/drain is set above grade so the approach is not accessible.</p>
<p>Health and Safety Concerns: None</p>
<p>Environmental and Cultural Concerns: One cultural resource (FS-05-17-54-476) is situated near the main access road. This is a linear feature (a ditch) that parallels FR-96.</p>
<p>Comments: The boat ramp is subject to fluctuating water levels. Debris accumulates on the ramp as water levels decline and should be periodically removed to help keep the ramp functional throughout the year. Water is supplied to this site via the French Meadows Campground Water Supply, which is referred to by the Forest Service as the French Meadows South Shore Water System. The water source is a horizontal groundwater well. Flow is approximately 1.7 gallons per minute. Service connections include 15 faucets and 4 bathrooms with flush toilets and sinks.</p>

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SITE FEATURES

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility						Comments
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Boat Ramp	Approx. 600 feet long by 20 feet wide (1.5 lane)	Concrete section extending from access road to end of ramp. Includes three low water turn around areas.	Concrete	NA	Fair	N		X		X		Ramp does not meet accessibility standards due to excessive slope and the presence of debris (obstacles) deposited as water level recedes. Ramp surface is deteriorating due to cracks that have filled with vegetation.
Bathroom	Two sections (male and female)	On east side of access road, between parking area and boat ramp. Female side includes 2 toilets and 1 sink. Male side includes 1 toilet, 1 urinal, and 1 sink.	Wood Exterior	Flush	Fair	N	X				X	Entrance and stalls too narrow, level changes, no handrails. Can be retrofitted to meet accessibility standards.
Garbage Container	1 (Two-bin)	Adjacent to bathroom.	Steel	Bear-proof	Good	N					X	Not accessible due to handle design.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SITE FEATURES (continued)

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility						Comments
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Faucet	1	Adjacent to bathroom.	Upright attached to wood post set in a round corrugated steel sump with drainage rock.	Potable water	Fair	N					X	Handle is accessible. Sump/drain is set above grade so the approach is not accessible.
Septic System	NA	1,000 gallon tank plus leach field.	Concrete tank	Tank and field	Good	NA						Condition is good according to USDA-FS.
Water System	NA	Horizontal well, pipe10-gallon tank, 1,950 feet of 10-inch black plastic connecting well and tank.		Potable water	Fair	NA						Well was developed in 1993 and activated in 1994. Quality of source water is good but they yield is low (1.7 gallons per minute). The distribution system leaks. The USDA-FS refers to this system as the French Meadows South Shore Water System. This system serves FM Picnic Area and Boat Ramp and French Meadows Campground.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

PARKING, ROADWAYS and TRAVEL PATHS

Feature	Quantity or Dimensions	Location or Description	Material	Cond	Accessibility						Comments	
					Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other		
Large Parking Area	Approx. 30,000 square feet, roughly rectangular in shape	South of boat ramp.	Aggregate	Poor	N	X	X				X	Formerly paved but deteriorated to aggregate base rock. North boundary is delineated with post and cable fence. Not striped. No designated handicap parking.
Access Road	Approx. 320 feet long by 20-foot wide (1.5 lane)	As measured from end of French Meadows Boat Ramp and Picnic Area Road to beginning of boat ramp at max operating WSE.	Paved	Good	Y							Connects boat ramp and parking area. See detailed road survey table for additional information.
Small Parking Area	Approx. 1,500 square feet	West side of road, just above the top of the boat ramp.	Paved with chip seal	Good	N						X	The parking area can accommodate about 4 vehicles. Not striped. No handicap parking stalls.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE

Type of Sign	Location	Qt	Material	Cond	Wording/Graphics	Remarks	Accessibility Notes
Regulatory	Entrance to parking area	1	Painted aluminum on wood posts.	Good	NO CAMPING OR FIRES		Good contrast.
Information board	Adjacent to bathroom	1	Painted wood, with wood posts and shingled roof.	Good	Two paper bulletins		Print on bulletins is too small for vision impaired.
Regulatory	Small sign on faucet	1	Painted aluminum attached to wood post.	Good	Please Keep Hydrant Sanitary No Bathing No Dishwashing No Fish Cleaning		Print too small for vision impaired.
Regulatory	Top of boat ramp	1	Painted aluminum on painted steel post.	Fair	VEHICLE TRAVEL PROHIBITE ALONG LAKESHORE	Paint flaking Bullet hole	
Safety	Top of boat ramp	1	Painted aluminum on painted steel post.	Fair	BEWARE SUBMERGED OBJECTS	Paint flaking	
Regulatory	Lower end of boat ramp	1	Painted aluminum on wood post in bucket (designed to be moved as water level recedes).	Fair	VEHICLE TRAVEL PROHIBITED ALONG LAKESHORE	Paint flaking	
Regulatory	Lower end of boat ramp	1	Painted aluminum on wood post (designed to be moved as water level recedes).	Fair	NO PARKING	Paint flaking	

French Meadows Picnic Area

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

Name of Facility:	French Meadows Picnic Area and Associated Parking Area
Type of Facility:	Picnic Area
Managing Agency:	USDA Forest Service – Tahoe National Forest – American River Ranger District
Date of this Inventory:	July 23, 2008
Inventory Prepared by:	Sandra Walter-Perry (ENTRIX) in consultation with Ed Moore and William Davis (TNF) and Vicky Jowice (ENF)

BRIEF DESCRIPTION OF SITE:

The French Meadows Picnic Area is located on the south side of French Meadows Reservoir, in the immediate vicinity of French Meadows Boat Ramp. It is accessible via Mosquito Ridge Road (FR-96). This site consists of a parking area and a four-site picnic area. The picnic area formerly consisted of 7 sites but was downsized in 2000 due to lack of use and to reduce maintenance costs. Each picnic site includes a table and a pedestal grill. Other amenities in the picnic area include: a two-unit vault bathroom; one bear-proof garbage container; and two water faucets.

The site is operated by the Forest Service with funds provided by PCWA under the current FERC license agreement.

OVERALL CONDITION OF FACILITY:

Condition of Facility: The parking area is paved and in good condition. The picnic tables are constructed of wood and are in good condition. The bathroom is in poor to fair condition. The bear-proof garbage containers are in good condition. Signage ranges from poor to good condition.
Accessibility Conditions: The parking area grade is accessible but there are no designated handicap parking spaces. None of the picnic sites are considered disabled accessible due to level changes, obstacles, and insufficient clear space. In addition, none of the picnic tables or grills are accessible. A native-surface pathway connects the parking area and the picnic sites. The pathway is not accessible due narrow widths, excessive slopes, and obstacles. The bear-proof garbage container is not considered accessible due to the handle design.
Health and Safety Concerns: None
Environmental and Cultural Concerns: None
Comments: Potable water is available at two locations within the picnic area.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SITE FEATURES

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility						Comments	
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other		
Garbage Container	1 (2-bin)	In parking area, adjacent to pathway entrance	Steel	Bear-proof	Good	N						X	Garbage container is not considered accessible due to handle design.
Bathroom	1 double unit	Along pathway near parking area	Wood on concrete pad	Vault	Poor	N		X				X	Roof is rotten. Not accessible due to narrow entrance with, level changes (concrete lip), no handrails.
Faucets	2	One near bathroom, one in picnic area	Upright attached to wood posts set in a round corrugated steel sump filled with drainage rock	Potable water	Fair	N	X	X	X			X	Not accessible due to handle design and level changes.
Picnic Tables	4	One in each picnic site	Painted wood	Single, heavy	Good	N						X	Tables are not designed to be accessible.
Pedestal Grills	4	One in each picnic site	Steel	Single	Good	N						X	Grills do not meet accessibility standards due to height.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

PARKING, ROADWAYS and TRAVEL PATHS

Feature	Quantity or Dimensions	Location or Description	Material	Cond	Accessibility						Comments
					Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Access Road	Approx. 580 feet long by 20-foot wide (1.5 lane)	As measured from entrance at FR 96 to beginning of boat ramp access road	Asphalt	Good	Y						Project recreation access road.
Parking Area	Approx. 80-foot wide.	Adjacent to access road.	Asphalt paved	Good	Y						Parking stalls are not striped. No designated handicap parking stalls.
Barrier Fence	Approx. 70 feet	Delineates NW boundary of parking area	Wood post and rail	Good	NA						
Pathway	Approx. 450 feet	Pathway is 300 feet long from parking area to first picnic site. An additional 150 feet of pathway traverses through the picnic area.	Native surface	Poor to Fair	N	X	X	X	X	X	Does not meet accessibility standards due to narrow widths, excessive slopes, level changes, and obstacles such as rocks and brush.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE

Type of Sign	Location	Qt.	Material	Cond	Wording/Graphics	Remarks	Accessibility Notes
Directional	Trail entrance	1	Painted aluminum on wood post	Good	PICNIC AREA with directional arros		Good contrast
Informational	Near faucet	1	Wood board (approx. 10" x 12") on wood post	Fair	PLEASE!! DO NOT. Clean Fish Wash Dishes Bathe Wash Clothes Or Use Soap at Water Hydrants	Laminated paper notice. A similar notice is mounted to the other faucet in the picnic area.	Lettering too small for vision impaired.
Bulletin Board	In picnic Area	1	Wood board (approx 3'x4') in wood frame on wood posts	Poor	One information bulletin screwed to board	Roof is broken. Needs to be repaired.	Lettering too small for vision impaired.

Appendix O-2
French Meadows Boat Ramp
Photographs



Photo O-2-1. French Meadows Boat Ramp on July 23, 2008 (WSE = 5,220 ft).



Photo O-2-2. Cracking in-filled with vegetation along French Meadows Boat Ramp, upper section. (7/23/08)



Photo O-2-3. Sign at upper end of French Meadows Boat Ramp. Sign is in good condition but paint is flaking. (7/23/08)



Photo O-2-4. Temporary sign located in middle low-water turn around area. This sign may be moved as water levels fluctuate. (7/23/08)

French Meadows Boat Ramp Parking Area



Photo O-2-5. French Meadows Boat Ramp Parking Area. Surface has deteriorated to aggregate base rock. (7/23/08)



Photo O-2-6. French Meadows Boat Ramp Parking Area. Note post and cable barrier fence. (7/23/08)



Photo O-2-7. Sign at entrance to French Meadows Boat Ramp Parking Area. Sign is in good condition. (7/23/08)



Photo O-2-8. Paved road extending from French Meadows Boat Ramp Parking Area to French Meadows Boat Ramp. Note small parking area on left side of road. This area also functions as a high water turn-around at max WSE. (7/23/08)



Photo O-2-9. Bathroom located along access road to French Meadows Boat Ramp. This bathroom has flush toilets and sinks but does not meet current USDA-FS condition or accessibility standards. (7/23/08)



Photo O-2-10. Information board, bear-proof garbage container, and water faucet located adjacent to bathroom. (7/23/08)



Photo O-2-11. Water faucet located adjacent to bathroom. Handle is considered disabled accessible. Approach is not disabled accessible due to insufficient clear space and changes in surface level. (7/23/08)



Photo O-2-12. Example of disabled accessible faucet handle.

French Meadows Picnic Area



Photo O-2-13. French Meadows Picnic Area Parking. Parking and roadway surfaces are in good condition. Note Boat Ramp Parking Area in background. (7/23/08)



Photo O-2-14. Entrance to French Meadows Picnic Area. (7/23/08)



Photo O-2-15. Trail to French Meadows Parking Area. Trail is not considered disable accessible due to obstacles, level changes, excessive slope, and narrow width. (7/23/08)



Photo O-2-16. Trail to French Meadows Parking Area. (7/23/08)



Photo O-2-17. Two-unit vault toilet located in French Meadows Picnic Area. This toilet does not meet accessibility standards due to narrow entrance width, level changes (e.g., concrete lip) and absence of hand rails. (7/23/08)



Photo O-2-18. Water faucet near vault toilet. Does not meet accessibility standards due to handle design, obstacles, and level changes. (7/23/08)



Photo O-2-19. Water faucet in picnic area. Does not meet accessibility standards due to handle design and level changes. (7/23/08)



Photo O-2-20. Typical picnic site in the French Meadows Picnic Area. Note the pedestal grill and wood picnic table. Neither are disabled accessible. (7/23/09)

Appendix P-1

**Facilities and Features at
McGuire Boat Ramp and Associated Parking Areas
Inventory**

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

Name of Facility:	McGuire Boat Ramp and Parking Area
Type of Facility:	Boat Ramp
Managing Agency:	USDA Forest Service – Tahoe National Forest – American River Ranger District
Date of this Inventory:	July 24, 2008
Inventory Prepared by:	Sandra Walter-Perry (ENTRIX) in consultation with Ed Moore (TNF)

BRIEF DESCRIPTION OF SITE:

McGuire Boat Ramp is located on the north shore of French Meadows Reservoir. The McGuire Boat Ramp area includes a concrete boat ramp and two large, relatively unimproved parking areas. A nearby third parking area serves as a parking area for the Poppy Campground trailhead. A paved road connects the parking areas to the boat ramp. One vault toilet located along the access road to the boat ramp is available. Another bathroom with flush toilets is available nearby at the Poppy Trailhead parking area. The site is operated by the Forest Service with funds provided by PCWA under the current FERC license agreement.

OVERALL CONDITION OF FACILITY:

Condition of Facility: With a few exceptions, the boat ramp is in good condition. The exceptions include: minor cracking and the presence of debris along the lower end of the ramp. The southeast and northeast parking areas are in fair condition. These areas were formerly paved but have deteriorated down to the aggregate base rock. The vault bathroom is deteriorating and in poor condition.
Accessibility Conditions: The ramp does not meet accessibility standards due to excessive slope and obstacles (debris). There are no designated handicap accessible parking stalls in the parking areas but the parking areas are large enough to accommodate persons with disabilities. The bathroom is not disabled accessible.
Health and Safety Concerns: None
Environmental and Cultural Concerns: None
Comments: The boat ramp is subject to fluctuating water levels. Debris (rocks, gravel) accumulates on the ramp as water levels decline and should be periodically removed to help keep the ramp functional throughout the year. Potable water is not available at the boat ramp or in the two associated parking areas. However, potable water is available nearby at the Poppy Campground Trailhead Parking Area.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SITE FEATURES

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility					Comments	
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope		Other
Boat Ramp	Approx. 800 feet long by 20 feet wide (1.5 lane)	Concrete section extending from end of access road to end of ramp.	Concrete	NA	Good	N	X	X		X	X	Overall, the ramp is in good condition, with the following exceptions: - Minor cracking. - Substantial debris (rock and gravel) present on ramp from mid level turn-around area to end of ramp. Ramp does not meet accessibility standards due to excessive slope and the presence of debris (obstacles) deposited as water level recedes.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SITE FEATURES (continued)

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility					Comments	
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope		Other
Boat Ramp Turn-Around Areas	3	One low water turn-around, one mid-level turnaround, one highwater turn around.	Concrete	NA	Fair	N						Low and mid-level turn around areas are in good condition but covered in debris. High water turn around (approx. 2,000 square feet) is in good condition with following exceptions: - Concrete is uplifted at edge of turnaround. - Graffiti present.
Bathroom	1 (Double-unit)	Located along access road to boat ramp.	Wood on concrete pad	Vault	Poor	N	X	X	X		X	Not accessible to changes in level along access pathway and at entrance to bathroom (e.g., concrete lip), narrow entrance, no handrails, insufficient clear space, obstacles. Bathroom in poor condition. Roof is rotting.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

PARKING, ROADWAYS and TRAVEL PATHS

Feature	Quantity or Dimensions	Location or Description	Material	Cond	Accessibility						Comments	
					Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other		
Access Road	Approx. 6,900 feet long by 24-foot wide (double lane)	French Meadows Reservoir North Shore Access Road. As measured from FR-96 to the beginning of concrete boat ramp.	Paved	Mostly Good	Y							Pavement is in good condition. Occasional alligator cracking indicating sub-grade failures. Minor cracking in the asphalt occurs periodically along roadway. See detailed road survey results for additional information.
Parking lot access roads	Approx. 250 feet long. Width varies.	At entrances to NE and SE parking lots.	Paved	Good/Fair								See detailed road survey results for additional information.
Parking Area (SE Lot)	Approx. 35,000 square feet, roughly rectangular in shape	Southeast parking area located north of boat ramp.	Aggregate base rock (deteriorated asphalt)	Poor	N	X	X				X	Formerly paved but deteriorated to base rock. Small section of north side of lot is delineated with post and cable fence. Not striped. No designated handicap parking.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

PARKING, ROADWAYS and TRAVEL PATHS (continued)

Feature	Quantity or Dimensions	Location or Description	Material	Cond	Accessibility						Comments	
					Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other		
Parking Area (NE Lot)	Approx. 20,000 square feet, roughly rectangular in shape	Northeast parking area located north of boat ramp.	Aggregate base rock (deteriorated asphalt)	Poor	N	X	X				X	Formerly paved but deteriorated to base rock. Not striped. No designated handicap parking. Connects to southeast lot via narrow unpaved road.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE

Type of Sign	Location	Qt	Material	Cond	Wording/Graphics	Remarks	Accessibility Notes
Site Identification	Near entrance to northeast parking area	1	Painted MDO on wood posts	Good	< BOAT RAMP VISTA POINT > McGuire	Yellow lettering on brown background.	Good contrast.
Regulatory	Adjacent to access road near entrance to northeast parking area	1	Painted aluminum on wood posts	Good	NO CAMPING OR FIRES	White lettering on brown background.	Good contrast.
Directional	North side of southeast parking area and north side of northwest parking area	2	Painted aluminum attached to wood post.	Good	BOAT TRAILERS	White lettering on brown background.	Good contrast.
Traffic	End of high water turn around area.	1	Painted aluminum attached to wood post.	Fair	NO PARKING	Red lettering on white background.	Lettering is faded.
Regulatory	On south side of high water turn around area.	1	Painted aluminum on painted steel post.	Fair	VEHICLE TRAVEL PROHIBITE ALONG LAKESHORE	White lettering on brown background. Lettering is fading, sign is bent.	Good contrast.
Safety	On south side of high water turn around area.	1	Painted aluminum on painted steel post.	Fair	BEWARE SUBMERGED OBJECTS	White lettering on brown background. Lettering is fading, sign is bent.	Good contrast.

Appendix P-2
McGuire Boat Ramp
Photographs



Photo P-2-1. McGuire Boat Ramp on July 23, 2008 (WSE = 5,220 ft).



Photo P-2-2. View of McGuire Boat Ramp from top of ramp. (7/23/08)



Photo P-2-3. High water turn-around and loading/unloading area. Note “no parking” sign and graffiti on surface. (7/23/08)



Photo P-2-4. Uplifted concrete at edge of high water turn-around area. (7/23/08)

McGuire Boat Ramp Parking Areas



Photo P-2-5. Entrance to McGuire Boat Ramp Parking Area – southeast lot. Note transition from asphalt pavement access road to base rock in parking area. (7/23/08)



Photo P-2-6. McGuire Boat Ramp Parking Area – southeast lot. Surface has deteriorated to base rock and is in poor condition. (7/23/08)



Photo P-2-7. Sign and post and cable barrier fence along north side of McGuire Boat Ramp Parking Area southeast lot. (7/23/08)



Photo P-2-8. North entrance to McGuire Boat Ramp Parking Area – northeast lot. Note transition from asphalt pavement access road to base rock in parking area. (7/23/08)



Photo P-2-9. South entrance to McGuire Boat Ramp Parking Area – northeast lot. Surface has deteriorated to base rock and is in poor condition. (7/23/08)



Photo P-2-10. Sign along access road near McGuire Boat Ramp Parking Area – between northeast and southeast lots. (7/23/08)

Appendix Q-1

**Facilities and Features at
McGuire Beach, Picnic Area, and Associated Parking Areas
Inventory**

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

Name of Facility:	McGuire Beach, Picnic Area, and Parking Area
Type of Facility:	Picnic Area, Day Use Facility
Managing Agency:	USDA Forest Service – Tahoe National Forest – American River Ranger District
Date of this Inventory:	July 24, 2008
Inventory Prepared by:	Sandra Walter-Perry (ENTRIX) in consultation with Ed Moore (TNF)

BRIEF DESCRIPTION OF SITE:

McGuire Beach and Picnic Area is located on the north shore of French Meadows Reservoir, east of McGuire Boat Ramp. The area includes a small beach area, a 10-unit picnic area, and a parking area. Other amenities include two bathrooms with flush toilets and sinks and a faucet with potable water. The site is operated by the Forest Service with funds provided by PCWA under the current FERC license agreement.

OVERALL CONDITION OF FACILITY:

<p>Condition of Facility: The beach, picnic area, and parking area are generally in poor to fair condition. The beach is manmade and in its current condition consists of a small (12,500 square foot) area of sand that is submerged when the reservoir WSE is high, and too far away from the water when the reservoir is low. The bathroom and changing area located along the trail to the beach are in poor condition and are in need of repair and updating. The other bathroom (located near the parking area) is in fair condition. The picnic area includes 10 units, all of which consist of a heavy wood picnic table and a concrete/steel cooking grill. The picnic tables and grills are in fair to good condition, mainly due to lack of use. The entire picnic area is overgrown with vegetation due to lack of use and poor maintenance. The pathways to some of the picnic units are indistinguishable and several of the picnic sites are difficult to find due to overgrown vegetation. The parking area was formerly paved but the surface has deteriorated to aggregate base rock with remnant patches of asphalt. It is functional for parking purposes but in poor condition relative to its original condition. The access road is in fair condition. It is paved but the pavement is cracking and deteriorating and there are several large potholes that should be repaired.</p>
<p>Accessibility Conditions: None of the features at this site meet accessibility standards. The picnic sites are not accessible due to obstacles, encroaching vegetation and insufficient clear space. In addition, none of the picnic tables or grills are accessible. None of the pathways to or through the picnic area are accessible and the pathway (trail) to the beach is not accessible. The parking area is level and relatively free of obstacles, but there are no designated handicap parking areas. Neither of the bathrooms is accessible due to narrow entrance widths and level changes. The water faucet (hydrant) handle is accessible. However, the sump/drain is set above grade so the approach is not accessible.</p>
<p>Health and Safety Concerns: None</p>
<p>Environmental and Cultural Concerns: None</p>
<p>Comments: This facility appears to be oversized for the amount of recreation use it experiences. In addition, it is not being well maintained. Potable water is supplied to this site via the Dolly Creek Water Supply, which is referred to by the Forest Service as the French Meadows North Shore Water System. This system also serves Gates Group CG, Coyote Group CG, Lewis CG, McGuire Picnic Area, an RV dump station, and a USDA-FS administrative site.</p>

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SITE FEATURES

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility					Comments	
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope		Other
Beach	Approx. 12,500 square feet.	On natural bench adjacent to reservoir.	Sand	NA	Fair	NA						This is a man-made beach. Design drawings indicate that this beach was previously much larger. In its current condition, it is about 12,500 square feet. At high water, the beach is submerged. At low water, the beach is too far from the water to function as a water-side day-use area. The beach area is delineated with steel buoys attached to chains, which are beginning to rust.
Faucet	1	Along trail near bathroom.	Upright attached to wood post set in a round corrugated steel sump with drainage rock.	Potable water	Good	N	X	X			X	Handle is accessible but approach is not because sump/drain is set above grade. Faucet area is delineated with natural rock border. Pathway is not accessible due to narrow width, soft substrate, and obstacles (rocks and branches).

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SITE FEATURES (continued)

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility					Comments	
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope		Other
Bathroom	Octagonal building with four sections, each with its own door. Two sections contain a flush toilet and sink. Two sections are empty and are currently used for storage.	Located along trail to beach	Wood on concrete foundation	Flush	Poor	N		X			X	Bathrooms do not meet accessibility standards due to narrow entrance widths, level changes (concrete steps into bathrooms), no handrails. Wood exterior is damaged (large hole in wood paneling) and in need of new paint. Interiors are clean but dingy. Storage areas were locked but may have formerly been changing rooms.
Changing Area	Hexagonal concrete pad attached to bathroom building	Behind bathroom building	Concrete pad	NA	Poor	N		X			X	According to USDA-FS this area was previously surrounded by a vertical screen to facilitate changing. The screen is no longer present so this area does not function as a private changing area. Not disabled accessible due to change in level (high concrete lip).

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SITE FEATURES (continued)

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility						Comments
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Garbage Container	1 (Two-bin)	Adjacent to entrance to beach trail.	Steel	Bear-proof	Good	N					X	Not accessible due to handle design.
Bathroom	1 (Two sections - male and female)	Unknown. Bathroom was locked on day of inventory.	Wood Exterior	Flush	Fair	N	X				X	Not accessible due to narrow entrance width and level changes. The interior is not accessible due to narrow stalls and no handrails. However, this type of bathroom can be retrofitted to meet accessibility standards.
Tables	10	One table at each picnic site	Painted wood	Heavy	Poor to Good	N					X	None of the picnic tables are accessible design. Most are in good condition due to lack of use. However, some are damaged or are set too low. Some are difficult to access and use due to vegetation along pathways and vegetation growing over tables.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SITE FEATURES (continued)

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility					Comments	
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope		Other
Grills	10	One grill at each picnic site	Steel grill on concrete base		Poor to Fair	N					X	None of the grills are accessible design. Most are in good condition due to lack of use. However, a few are damaged. In addition, some are difficult to access and use due to encroaching vegetation.
Water Supply	NA	French Meadows North Shore Water System (also referred to as "Dolly Creek Water Supply")	Groundwater well, concrete storage tank, concrete/asbestos distribution line	Potable Water	Good	NA						The source water for the potable water supply at this site is a 575-foot deep groundwater well that feeds water to a 20,000-gallon concrete storage tank. Flow is approximately 11.75 gpm. The distribution line is a 6-inch diameter concrete asbestos pipe.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

PARKING, ROADWAYS and TRAVEL PATHS

Feature	Quantity or Dimensions	Location or Description	Material	Cond	Accessibility						Comments
					Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Pathway (Trail)	Approx. 475 feet long. Width varies from about 3-8 feet.	Connects parking area to beach	Native surface	Poor to Fair	N	X	X	X		X	Trail does not appear to be maintained. Trail is not accessible due to presence of brush, obstacles (rocks), narrow width, and unconsolidated surface material.
Parking Area	Approx. 18,000 square feet, roughly rectangular in shape	Located northwest of picnic area	Aggregate base rock (deteriorated asphalt)	Poor	N	X	X			X	Formerly paved but deteriorated to base rock, with remnant sections of asphalt. Not striped. No designated handicap parking.
Access Road	Approx. 850 feet long by 12-foot wide (single lane)	McGuire Picnic Area and Beach Road As measured from junction of FR 42.2 to parking area entrance.	Paved	Poor to Fair	Y						Pavement is deteriorating and cracking due to sub-grade failures. Large potholes present at various locations along roadway. See detailed road survey for additional information.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

PARKING, ROADWAYS and TRAVEL PATHS (continued)

Feature	Quantity or Dimensions	Location or Description	Material	Cond	Accessibility						Comments
					Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Gate	1	Located at entrance to access road	Painted (green) steel swing gate with red and white striped hazard signs	Good	NA						Can be locked to prevent travel along access road.
Gate	1	Located along access road, at northeast end of old service road.	Painted (green) steel swing gate with yellow and black striped caution signs	Good	NA						Closed and locked to prevent access to old service road. Paint is flaking.
Gate	1	Located at edge of parking area, between parking area and bathrooms with flush toilet. Southwest end of old service road.	Painted (green) steel swing gate with yellow and black striped caution signs	Fair	NA						Closed and locked to prevent access to bathroom maintenance road. Gate is sagging. Paint is flaking.
Barrier Fence	1	Located at southwest end of parking area	Wood bar on wood posts (2)	Good	NA						Prevents access to abandoned road.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE

Type of Sign	Location	Qt	Material	Cond	Wording/Graphics	Remarks	Accessibility Notes
Safety	Near entrance to trail entrance to beach	1	Painted aluminum on wood post	Fair	NO LIFEGUARD ON DUTY SWIM AT YOUR OWN RISK	White lettering on brown background	Lettering is beginning to fade and paint is flaking.
Information Board	Adjacent to beach trail entrance	1	Painted wood board set in wood frame on wood posts	Fair	Contains 8.5" x 11" information bulletins	Wood is deteriorating. Paint is flaking.	Print on bulletins is too small for vision impaired.
Site Identification Sign	Near entrance to McGuire Picnic Area Access Road	1	Painted MDO on wood posts	Good	PICNIC GROUND AND BEACH McGuire	Yellow lettering on brown background	Good contrast. Background paint is flaking.
Safety	On entrance gate	2	Painted aluminum attached to gate.	Good	Red and white hazard striping	Reflective	Paint is flaking.
Safety	On locked gate located along access road	1	Painted aluminum attached to gate.	Good	Yellow and black caution striping	Reflective	Paint is flaking.
Safety	On locked gate located between parking area and bathroom	1	Painted aluminum attached to gate.	Fair	Yellow and black caution striping	Reflective	Paint is flaking. Slightly damaged.
Regulatory	At entrance to parking area	1	Painted aluminum on wood post	Good	DAY USE AREA 6 A.M. – 10 P.M.		

Appendix Q-2
McGuire Beach, Picnic Area, and Associated Parking Areas
Photographs



Photo Q-2-1. Site identification sign at entrance to McGuire Picnic Area. (7/24/09)



Photo Q-2-2. Gated entrance and access road to McGuire Picnic Area, beach, and parking area. (7/24/08)



Photo Q-2-3. Potholes and damaged pavement along access road to McGuire Picnic Area, beach, and parking area. (7/24/08)



Photo Q-2-4. McGuire Picnic Area and Beach parking area. Note deteriorated asphalt surface. (7/24/08)



Photo Q-2-5. Gate blocking access to old service road. (7/24/08)



Photo Q-2-6. Bathroom located adjacent to parking area. Not disabled accessible. (7/24/08)



Photo Q-2-7. Typical picnic site at McGuire Picnic Area (Site 1). Note heavy wood table and concrete/steel cooking grill. Features are not disabled accessible, nor is the site due to obstacles (brush and rocks) and level changes. (7/23/08)



Photo Q-2-8. Overgrown picnic site at McGuire Picnic Area. Dense vegetation is due to lack of use and poor maintenance. (7/24/08)



Photo Q-2-9. Entrance of trail to McGuire Beach as viewed from the parking area. Note bear-proof garbage container, information board, and deteriorated asphalt surface. (7/24/08)



Photo Q-2-10. Trail to McGuire Beach, passing bathroom and changing area. (7/24/08)



Photo Q-2-11. Backside of bathroom building. Space behind blue doors is now used for storage. Concrete pad was formerly a changing area. Note damage on building and large lip on concrete pad. (7/24/08)



Photo Q-2-12. Water faucet located along path to McGuire Beach, near bathroom. Handle is accessible but approach is not because the sump/drain is set above grade. (7/24/08)



Photo Q-2-13. Trail to McGuire Beach with sign. (7/24/08)



Photo Q-2-14. McGuire Beach on July 24, 2008 (WSE = 5,220 ft).

Appendix R-1
Middle Meadows Group Campground
Inventory

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

Name of Facility:	Middle Meadows Group Campground
Type of Facility:	Group Campground
Managing Agency:	USDA Forest Service – Eldorado National Forest – Georgetown Ranger District
Date of this Inventory:	August 21 2008
Inventory Prepared by:	Sandra Walter-Perry (ENTRIX) in consultation with Vicky Jowice (ENF)

BRIEF DESCRIPTION OF SITE:

Middle Meadows Group Campground is located west of Hell Hole Reservoir, on the south side of the South Fork Long Canyon Creek. The campground includes two units, a 50 person site referred to as Unit 1 and a 25 person site referred to as Unit 2. Both units are fully accessible. Each unit includes an accessible picnic table, heavy wood picnic tables, serving tables, a handicap accessible double pedestal grill, large bear boxes, bear-proof garbage bins, a group fire ring, accessible bathrooms, and accessible water faucets. The units may be used by reservation only.

OVERALL CONDITION OF FACILITY:

<p>Condition of Facility: The entrance road to Middle Meadows Campground and the parking areas are paved but are in poor condition due to potholes and cracking of the pavement. Overall, both camp units are in good condition. Most of the amenities are relatively new and in good condition, including the CTX bathrooms, the pedestal grills, fire rings, accessible picnic tables, serving tables, bear boxes, and bear-proof garbage containers. With the exception of one, all of the heavy wood picnic tables are in fair to good condition, with some cracked table and bench boards and flaking paint. One picnic table has a broken bench and is in poor condition.</p>
<p>Accessibility Conditions: Both units are fully accessible. The pathways (service roads) to both units are wide, firm, and relatively free of obstacles. In addition, travel paths throughout each of the units are firm and clear of obstacles. Both sites include an accessible picnic table, an accessible double pedestal grill, an accessible group fire pit, and an accessible bathroom.</p>
<p>Health and Safety Concerns: None</p>
<p>Environmental and Cultural Concerns: One cultural resource (FS-05-03-53-374) is located just outside the facility footprint. This site is a historic mining ditch. It was evaluated and recommended not eligible for inclusion on the NRHP.</p>
<p>Comments: Water is supplied to this site via the Middle Meadows Group Campground Water Supply.</p>

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

FACILITY FEATURES

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility					Comments	
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope		Other
Bathroom	1	Unit 1	Double unit, prefabricated concrete toilet (CXT)	Flush	Good	Y						CXT is set on low rise adjacent to group site. The entrance area is level, free of obstacles, with a crushed rock surface. An accessible pathway with a crushed rock surface provides access to the bathroom. There are also six steps leading to the bathroom, which are not accessible.
Bathroom	1	At entrance to Unit 2	Single unit, prefabricated concrete toilet (CXT)	Vault	Good	Y	X					Entrance to CXT is level and free of obstacles, with a crushed rock surface. The surface has settled slightly causing a small lip at the edge of the concrete entrance. Needs minor filling to bring the surface level with the concrete entrance.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

FACILITY FEATURES (continued)

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility					Comments	
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope		Other
Faucets	4	2 in Unit 1 1 in Unit 2 1 at entrance to Site 2, adjacent to CXT	Upright pipe with accessible handle, mounted to wood. Drain is rock-filled, rectangular plastic set at grade.	Accessible	Good	Y						Fully accessible design. Crushed rock surface around faucets has settled slightly, causing small lips around drains.
Gate	1	Along Middle Meadows Group Campground Road, near intersection with FR-2	Black painted steel with hazard signage.	Double swing gate.	Fair	NA						Gate is functional but is bent and in need of paint.
Steps	6	In Unit 1 extending from main camp site area to CXT	PTDF		Good	N						Alternative route to CXT.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

PARKING, ROADWAYS and TRAVEL PATHS

Feature	Quantity or Dimensions	Location or Description	Material	Cond	Accessibility						Comments
					Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Access Road	Approx. 1,500 feet long. 12–24 feet wide.	Middle Meadows Group Campground Road, from FR-2 to end of Unit 2 parking area.	Paved (AC)	Fair/Poor	Y						Overall in poor condition. Many potholes and alligator cracking. Requires fording South Fork Long Canyon Creek. See detailed road survey results for additional info.
Parking Areas	Total of 2,500 square feet	Unit 1	Paved (AC)	Poor	Y						Space for 10-11 vehicles. Many potholes. Not striped.
Parking Area	Total of 1,500 square feet	Unit 2	Paved (AC)	Fair	Y						Space for 5-6 vehicles. Some potholes and cracking. Generally deteriorating.
Service Road	Approx. 400 feet long	Between parking area and Unit 1.	Native	Good	Y	X					Needs minor leveling. Otherwise, surface is firm and free of obstacles.
Service Road	Approx. 150 feet long	Between parking area and Unit 2.	Native	Good	Y	X					Needs minor leveling. Otherwise, surface is firm and free of obstacles.
Pathway	Approx. 5' x 95'	In Unit 1 extending from main camp site area to CXT	Crushed Rock	Good	Y						

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE

Type of Sign	Location	Qt.	Materials	Cond.	Wording/Graphics	Remarks	Accessibility Notes
Signage Pertinent to Unit 1 and Unit 2 (August 21, 2008)							
Site Identification	Entrance	1	Painted MDO plywood on masonry structure (double sided)	Good	ELDORADO <i>National Forest</i> GROUP CAMP Middle Meadows	Minor paint peeling	
Message Post	Entrance	1	Painted MDO plywood board on PTDF post	Good	VISITOR MESSAGE POST	Minor paint peeling	
Road Identification	Entrance	1	Carsonite marker	Good	14N28		
Traffic	Entrance	4	Aluminum signs hanging double barrier gates. Two signs (back to back – coming and going) on each gate.	Good	Red and white striped hazard signs	One sign is scratched.	
Unit 1 (August 21, 2008)							
Fee Station	Adjacent to parking area at entrance to unpaved service road to Group Unit 1	1	Painted MDO plywood board on PTDF post	Fair	U.S. FEE AREA (rounded triangle shape)	Paint peeling along edges	Information on posters is not readable from a distance. Area surrounding fee station is level with some small obstacles and forest debris.
		1	Painted redwood sign with engraved painted letters on same PTDF post as above	Fair	GROUP CAMP ONE → GROUP CAMP TWO ↑	Sign is functional but wood is split and paint is peeling	
		1	Painted MDO plywood board mounted in/on painted wood frame and posts	Fair	Board contains information posters	Paint peeling.	
Traffic	At entrance to unpaved service road to Unit 1	1	Laminated poster on construction barrier	NA	Access Road is for Unloading.....	Temporary barrier	Lettering is too small to see from a vehicle.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE (continued)

Type of Sign	Location	Qt.	Materials	Cond.	Wording/Graphics	Remarks	Accessibility Notes
Unit 1 (August 21, 2008) (continued)							
Information Boards	Along unpaved service road to Group Site 2	2	Painted MDO plywood boards (2'x4' and 4'x4') mounted on painted wood crossbars on painted wood posts (double structure)	Fair	Boards contain information posters	Crossbars and posts are in good condition but boards have been damaged by porcupines (according to JV)	Information on posters is not readable from a distance. Area surrounding fee station is level with some small obstacles and forest debris.
Unit 2 (August 21, 2008)							
Information Boards	Along unpaved service road to Unit 2	2	Painted MDO plywood mounted on painted wood crossbars on painted wood posts (double structure)	Fair	Boards contain information posters	Crossbars and posts are in good condition but boards have been damaged by porcupines (according to JV)	Information on posters is not readable from a distance. Area surrounding fee station is level with some small obstacles and forest debris.
Traffic	At entrance to unpaved service road to Unit 2	1	Laminated poster on construction barrier	NA	Access Road is for Unloading.....	Temporary barrier	Lettering is too small to see from a vehicle.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SITE/UNIT FEATURES

Site #	Host Site	Designated Accessible Site?	Accessibility Constraints				Remarks	Group Fire Ring	Condition/Remarks	Bench	Condition/Remarks	Double Ped. Grill	Condition/Remarks	Large Bear Box	Condition/Remarks	Bear-proof Garbage	Condition/Remarks	Garbage Cans	Condition/Remarks	Concrete Pads	Condition/Remarks	Tables					Remarks	
			Needs Leveling	Obstacles	Excessive Brush/Veg	Inadequate Clear Space																Serving Table	Condition/Remarks	HC Picnic Table	Condition/Remarks	Picnic Table (Heavy Wood)		Condition/Remarks
Site #1 (50 person site)																												
		Yes					This is a fully accessible with the exception of steps to bathroom.	1	Good New, surrounded by rock boulders.	1		1	Good	3		3	Good All on concrete pads.	3	20 gal plastic used for recycling, 1 is on pad	7 (3 beneath bear boxes, 3 beneath BPG, 1 beneath plastic trash can)	Good	5	Good Two are wood planks on steel frames permanently set in ground in kitchen area. The others are older heavy wood tables in dining area.	1	Single, light wood on steel frame. Table boards slightly warped. Good condition.	7	Fair to Good The bench on one of the tables is broken. All tables have flaking paint.	6 steps constructed of PTDF to CXT
Site #2 (25 person site)																												
		Yes					Site is level and relatively free of obstacles.	1	Good HC accessible, with grill.	9	Poor Old style heavy wood benches. Cracked and split, flaking paint.	1	Good (new)	3		3	Good All on concrete pads.	3	20 gal plastic used for recycling, next to CXT	6 (3 beneath bear boxes, 3 beneath BPG)	Good	2	Good Two are wood planks on steel frames permanently set in ground in kitchen area. .	1	Double, light wood on steel frame. Good condition.	4	Fair to Good. Flaking paint.	
		2						2		10		2		6		6		6		13		5		2		11		

Notes:

- NA - Not applicable.
- HC - Handicap Accessible
- PTDF - Pressure Treated Douglas Fir
- AC - Asphaltic Concrete, otherwise known as asphalt or pavement
- AO - Asphalt Overlay - A top coat of AC applied to a previously paved surface.
- Chip seal - Oil and crushed rock (usually 1/4") applied over a previously paved surface
- Crushed rock - Clean (no fines) crushed rock, usually 1/4" or 3/4"
- Aggregate Base - A combination of crushed rock, sand and clay. The fines make aggregate base compactable.

Appendix R-2
Middle Meadows Group Campground
Photographs



Photo R-2-1. Site Identification Sign and Visitor Message Post located on Eleven Pines Road (FR-2). (8/21/08)



Photo R-2-2. Gate at entrance to Middle Meadows Campground Access Road (14N28). (8/21/08)



Photo R-2-3. Example of poor condition pavement along Middle Meadows Campground Access Road (14N28). (8/21/08)



Photo R-2-4. Ford across South Fork Long Canyon Creek. (8/21/08)



Photo R-2-5. Parking for Unit 1. (8/21/08)



Photo R-2-6. Fee station located adjacent to parking for Unit 1. (8/21/08)



Photo R-2-7. Information boards along pathway (service road) to Unit 1. (8/21/08)



Photo R-2-8. Double unit accessible bathroom with flush toilets located at Unit 1. (8/21/08)



Photo R-2-9. Accessible group fire ring at Unit 1. (8/21/08)



Photo R-2-10. Accessible picnic table at Unit 1. (8/21/08)



Photo R-2-11. Kitchen area in Unit 1. Note accessible double pedestal grill, bear box on concrete pad, and new serving tables. (8/21/08)



Photo R-2-12. Older picnic tables at Unit 1. All are in fair condition, with peeling paint and cracks. This one is in poor condition due to damage bench. (8/21/08)



Photo R-2-13. Parking for Unit 2.



Photo R-2-14. Single unit accessible vault toilet along pathway to Unit 2. (8/21/08)



Photo R-2-15. Unit 2. (8/21/08)



Photo R-2-16. Kitchen area of Unit 2. (8/21/08)



Photo R-2-17. Group fire pit with grill at Unit 2. Note heavy wood benches. (8/21/08)



Photo R-2-18. Double accessible picnic table at Unit 2. Heavy wood bench in foreground. (8/21/08)



Photo R-2-19. Accessible faucet at Unit 2. (8/21/08)

Appendix S-1

**Ralston Picnic Area and Cartop Boat Ramp
Inventory**

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

Name of Facility:	Ralston Picnic Area and Car Top Boat Ramp
Type of Facility:	Picnic Area, Boat Launch, Day Use Facility
Managing Agency:	USDA Forest Service – Tahoe National Forest – American River Ranger District
Date of this Inventory:	July 23, 2008
Inventory Prepared by:	Sandra Walter-Perry (ENTRIX) in consultation with Ed Moore and William Davis (TNF) and Vicky Jowice (ENF)

BRIEF DESCRIPTION OF SITE:

Ralston Picnic Area and Car Top Boat Launch is located on the northwest shore of the Middle Fork American River arm of Ralston Afterbay. The area includes five picnic sites, a small parking area, and an unimproved boat launch. Other amenities include a single unit pre-cast concrete bathroom (CXT). Potable water is not available at this site. The site is operated by the Forest Service with funds provided by PCWA under the current FERC license agreement.

OVERALL CONDITION OF FACILITY:

<p>Condition of Facility: Overall, the picnic area is in fair condition. The parking area is paved with a chip seal surface that is in fair to good condition. The CXT is relatively new and in good condition. Each of the picnic sites includes a heavy wood table and a pedestal grill. The tables are in poor to fair condition and all of the grills are in fair condition. Signage ranges from poor to fair. The boat ramp is unimproved (e.g. not paved) and is in fair condition, meaning it is functional but needs grading.</p>
<p>Accessibility Conditions: The CXT is accessible. However, none of the picnic tables or grills are accessible. The picnic sites are relatively unimproved with native surfaces. None of the sites are considered accessible due to insufficient clear space, obstacles such as brush and rock, and level changes. The parking area does not include any designated handicap parking areas.</p>
<p>Health and Safety Concerns: The pathway to Site 5 is too steep and does not meet USDA-FS trail standards. Fire danger due to overgrown vegetation. Abandoned fire ring at Site 4. No potable water. Poison oak. Hot and exposed.</p>
<p>Environmental and Cultural Concerns: 19th century mining ditch (FS-05-17-54-478) located upslope from picnic area.</p>
<p>Comments: This facility appears to be oversized for the amount of recreation use it receives. In addition, it is not being well maintained. Consider resizing the facility to reduce maintenance costs, focusing on improving sites that can be leveled to meet accessibility standards and sites with shade.</p>

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SITE FEATURES

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility						Comments
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Bathroom	Single-unit CXT	At northeast end of parking area.	Pre-cast concrete	Vault	Good	Y						In good condition.
Tables	5	One located at each picnic site.	Painted wood	Heavy	Poor to Fair	N					X	All tables are in fair to poor condition due to damage (split boards, cracks), graffiti, and deteriorated paint. None meet accessibility standards. The table at Site 5 is missing a bench.
Pedestal Grills	5	One located at each picnic site.	Steel	NA	Fair	N	X	X			X	Grills are not accessible either due to height, insufficient clear space, or both. The grills are set in concrete-filled corrugated steel. At Sites 1 and 4, the base is exposed due to erosion, which limits access to the grill.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SITE FEATURES (continued)

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility						Comments
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Garbage Containers	1 (2-bin)	Adjacent to CXT.	Steel	Bear-proof 32-gallon	Good	N					X	This garbage container is in good condition but is not considered accessible due to the design of the handles.
Boat Ramp	Approx. 12-15 feet wide by 95-125 feet long, depending upon water level.	Between Sites 1 and 2.	Native surface	Car top launching.	Poor	N	X	X		X	X	Overall, the ramp is in poor condition but is functional for launching car top boats. The boat ramp is unimproved with a native surface, which has eroded. The ramp is narrow, steep, and launching is somewhat complicated by the presence of a large barrier rock in the middle of the ramp. The ramp does not meet accessibility standards due to excessive slope, the surface materials, and the presence of obstacles.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

PARKING, ROADWAYS and TRAVEL PATHS

Feature	Quantity or Dimensions	Location or Description	Material	Cond	Accessibility						Comments
					Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Access Road	Approx. 260 feet long by 20 feet wide (one and a half lane).	As measured from FR 23 to beginning of parking area.	Aggregate (chip seal)	Good	Y						Surface of entrance road is showing some deterioration. Rocks present on entrance road from adjacent slope. See detailed road survey for additional information.
Turn out	Approx. 1,300 square feet	Small turn out area located southwest of Site 1.	Aggregate	Fair	Y						Small unimproved turn out that can accommodate 1-2 vehicles.
Parking Area	Approx. 5,000 square feet, including area in front of boat ramp.	Adjacent to picnic area.	Asphalt chip seal.	Fair to Good	N					X	Parking area surface is in good condition. Main parking area can accommodate 6 vehicles. No trailer parking. Not striped. No designated handicap accessible parking stalls. Edge of parking area is delineated with barrier rock located along entrance to ramp, along southeast boundary of parking area, and between parking area and CXT.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

PARKING, ROADWAYS and TRAVEL PATHS (continued)

Feature	Quantity or Dimensions	Location or Description	Material	Cond	Accessibility						Comments
					Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Pathway (Trail)	Approx. 350 feet long. Width varies from about 2-4 feet.	Connects main picnic area to Site 5.	Native surface	Poor	N	X	X	X	X	X	The trail does not appear to be maintained and does not meet USDA-FS condition standards for trails. The trail is relatively steep. Vegetation (including poison oak) is encroaching on the trail. The trail is not accessible due to excessive slope, presence of brush, obstacles (rocks), narrow width, and unconsolidated surface material.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE

Type of Sign	Location	Qt	Material	Cond	Wording/Graphics	Remarks	Accessibility Notes
Site Identification	Entrance	1	Painted MDO plywood board on painted wood posts	Fair	TAHOE <i>National Forest</i> PICNIC GROUND Ralston	Functional but paint is peeling and in poor condition. Partially obscured by vegetation.	Lettering is partially obscured by vegetation
Road Identification	Entrance	1	Painted aluminum sign on PTDF post	Good	23-04		
Regulatory	Entrance	1	Steel sign with painted lettering on steel post.	Poor	NO CAMPING	Post is rusted. Wording on sign is faded and nearly illegible.	Poor lettering contrast
Traffic	Entrance, at end of traffic guard rail	1	Aluminum sign on steel post	Good	Caution sign - yellow and black diagonal striping		
Regulatory	Adjacent to sites #1 and 2 and between sites #3 and #4	3	Steel signs with painted lettering on steel posts.	Poor	NO CAMPING	Posts are rusted. Wording on signs is faded and obscured by rust.	Poor lettering contrast
Regulatory	Adjacent to site #5	1	Painted steel post	Poor	NO CAMPING (vertical)	Post is rusted. Wording is partially obscured by vegetation.	Not visible from pathways, lettering obscured by vegetation.
Information Board	Adjacent to toilets	1	Painted MDO plywood mounted on steel posts	Fair	none	Front is functional but paint on back of sign is peeling and in poor condition.	

Appendix S-2
Ralston Picnic Area and Cartop Boat Ramp
Photographs



Photo S-2-1. Site Identification sign and other signs at entrance to Ralston Picnic Area. (7/23/08)



Photo S-2-2. Entrance to Ralston Picnic Area and Car Top Boat Ramp. (7/23/08)



Photo S-2-3. Parking area and entrance road as viewed from bathroom. (7/23/08)



Photo S-2-4. Single unit, pre-fabricated concrete toilet (CXT) at Ralston Picnic Area. (7/23/08)



Photo S-2-5. Typical picnic sites at Ralston Picnic Area (Site 4 in foreground, Site 3 in background). These sites are not considered disabled accessible due to insufficient clear space, obstacles, and level changes. In addition, the tables and grills are not accessible.



Photo S-2-6. Site 5 picnic table. Table is in poor condition and does not meet accessibility standards.



Photo S-2-7. Trail to Site 5 near the Middle Fork American River. (7/23/08)



Photo S-2-8. Ralston Car Top Boat Ramp on November 12, 2008 at 10:33 A.M. This photograph was taken during PCWA's annual maintenance outage when the reservoir WSE was about 1,155 feet. Note the large rock in center of ramp.



Photo S-2-9. Close up of Ralston Car Top Boat Ramp Note large rock in center of ramp. (7/23/08)



Photo S-2-10. Sediment removal access point on Ralston Afterbay. This site is not a Project recreation facility but is sometimes used to access the reservoir. (11/12/08)

Appendix T-1
Indian Bar Rafter Access
Inventory

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

Name of Facility:	Indian Bar Rafting Access
Type of Facility:	Day Use Facility
Managing Agency:	USDA Forest Service – Tahoe National Forest – American River Ranger District
Date of this Inventory:	July 23, 2008
Inventory Prepared by:	Sandra Walter-Perry (ENTRIX) in consultation with Ed Moore and William Davis (TNF) and Vicky Jowice (ENF)

BRIEF DESCRIPTION OF SITE:

The Indian Bar Rafting Access is located northwest of Ralston Afterbay, adjacent to the Oxbow Powerhouse. The Indian Bar Rafting Access is a day use facility and is primarily used by whitewater boaters as a put-in for the Tunnel Chute Run. The area includes a large unloading area, a designated parking area that can accommodate 9-10 vehicles, and a native-surface boat launch ramp. Other amenities include three pre-cast concrete vault bathrooms and bear-proof garbage containers. Potable water is not available. This facility is operated and maintained by California State Parks.

OVERALL CONDITION OF FACILITY:

Condition of Facility: Overall, this facility is in good condition. The surface of the unloading and parking areas is aggregate, in good condition. The three CXTs and two bear-proof garbage containers are relatively new and in good condition. The boat launch ramp is graded but otherwise unimproved and in good condition. One information board is new and in good condition. The other information board is damaged and in poor condition. Other signage ranges from poor to good condition.
Accessibility Conditions: All three of the CXTs are accessible. The unloading and parking areas are accessible, although there are no designated handicap accessible parking stalls. The trail to the CXT located upslope of the parking area is not accessible due to excessive slope.
Health and Safety Concerns: Fluctuating water levels
Environmental and Cultural Concerns: No cultural or environmental resources are located within the boundaries of the Indian Bar Rafting Access.
Comments:

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SITE FEATURES

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility						Comments
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Bathroom #1	1	Adjacent to boat launch ramp	Single-unit CXT	Vault	Good	Y						In good condition.
Bathroom #2	1	Along south side of parking area.	Double-unit CXT Pre-cast concrete	Vault	Good	Y						In good condition.
Bathroom #3	1	Upslope of parking area.	Double-unit CXT Pre-cast concrete	Vault	Good	Y						In good condition. Route to bathroom is not accessible due to excessive slope.
Garbage Containers	2 (2-bin)	1 adjacent to CXT 1 1 adjacent to CXT 2	Painted steel	Bear-proof 32-gallon	Good	N					X	Not considered accessible due to handle design.
New Reg. Box and Fee Tube	1	Adjacent to boat launch area.	Painted wood registration box mounted to unpainted steel fee tube.		Good	Y						Good access. Approach is level and free of obstacles.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SITE FEATURES (continued)

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility						Comments
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Old Reg. Box and Fee Tube	1	Adjacent to boat launch area.	Painted wood registration box mounted on painted steel post, adjacent to painted steel fee tube.	In active	Poor	NA						Not in use. Should be removed.
Barrier Rock	Approx. 65	Around edge of unloading and parking areas	Large Natural Boulders	NA	Good	NA						Delineates parking and unloading areas. Creates safety barrier between parking/unloading areas and river.
Boat Ramp	Approx. 130 feet long by 12 feet wide	North side of site	Native surface	Boat launch	Fair	N	X	X		X	X	Surface is crushed rock (aggregate). Large boulder in middle of top of ramp prevents vehicular access. Boats must be carried down ramp to launch. Not accessible due to steep slope and soft surface.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

PARKING, ROADWAYS and TRAVEL PATHS

Feature	Quantity or Dimensions	Location or Description	Material	Cond	Accessibility						Comments
					Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Unloading and Parking Area	Approx. 26,000 square feet including entire unloading area and designated parking area.	Indian Bar Rafter Access	Aggregate	Fair to Good	Y						The surface of the parking area is aggregate. A concrete helicopter landing pad is located in the center o of the unloading area.
Pathway (Trail)	Approx. 60 feet long by 5-feet wide.	Provides access to bathroom located upslope of parking area.	Native surface	Good	N				X		Not accessible due to steep slope.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE

Type of Sign	Location	Qt	Material	Cond	Wording/Graphics	Remarks	Accessibility Notes
Regulatory	At top of Indian Bar Rafting Access and General Parking Access Road	1	Painted aluminum signs on PTDF posts	Good	OXBOW POWERHOUSE AUTHORIZED ACCESS ONLY NO TURNAROUND		
Regulatory	At intersection of access road and unloading area (east side)	1	3 aluminum signs on 1 painted PTDF post	Good	DAY USE PARKING ONLY Symbols: No camping, dogs on leash		
Information Board	Near top of boat launch, east side, adjacent to toilet	1	Plywood board in/on wood frame and posts with shingled roof	Good	Information posters		Good clear space but lettering on information posters is not appropriate for visually impaired.
Information Board	At intersection of access road and unloading area near toilet	1	Plexiglass in/on painted wood frame with shingled roof.	Poor	None	Half of roof is broken off and lying on the ground. Paint is peeling on frame and posts.	Slope is too steep to approach sign.
Safety	East side of boat launch, near boat launch toilet.	1	Painted aluminum signs on steel posts	Good	WARNING WATER LEVEL MAY SUDDENLY RIS IN THIS AREA AT ANY TIME PLACER COUNTY WATER AGENCY	Black lettering on yellow background. Post is slightly rusted.	
Safety	Near parking area, west of parking area toilet	1	Painted aluminum signs on steel posts mounted in barrier rock	Good	WARNING WATER LEVEL MAY SUDDENLY RIS IN THIS AREA AT ANY TIME PLACER COUNTY WATER AGENCY	Black lettering on yellow background. Post is slightly rusted.	

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE (continued)

Type of Sign	Location	Qt	Material	Cond	Wording/Graphics	Remarks	Accessibility Notes
Regulatory	Perimeter of unloading area	2	Aluminum signs on steel posts	Poor	NO PARKING	Both are faded and nearly illegible.	Faded. No contrast.
Safety	At top of Indian Bar Rafting Access and General Parking Access Road	1	Painted aluminum sign on steel post, with steel cross bars	Fair	WARNING WATER MAY BE DISCHARGED IN THIS AREA AT ANY TIME IT IS EXTREMELY DANGEROUS PLACER COUNTY WATER AGENCY	Black lettering on yellow background. Post and cross bars are rusted. Paint is flaking.	Lettering may not be visible to visually impaired.
Directional	At top of Indian Bar Rafting Access and General Parking Access Road	1	Aluminum sign on redwood posts.	Fair	← RALSTON PICNIC AREA RAFTER RIVER ACCESS →	Slightly damaged by vandalism.	
Part 8	At top of Indian Bar Rafting Access and General Parking Access Road	1	Aluminum sign in steel frame on painted steel post	Poor	PLACER COUNTY WATER AGENCY MIDDLE FORK AMERICAN RIVER DEVELOPMENT.... RALSTON AFTERBAY RESERVOIR	Black lettering on white background. Peeling paint and faded lettering.	Lettering faded. Some lettering too small for visually impaired.

Appendix T-2
Indian Bar Rafter Access
Photographs



Photo T-2-1. Unloading area at Indian Bar Rafter Put-in as viewed from access road. The boat launch ramp is located in the background, adjacent to the bathroom. (7/23/08)



Photo T-2-2. Barrier rock delineating unloading area at Indian Bar Rafter Put in. (7/23/08)



Photo T-2-3. Designated parking area located south of the unloading area. (7/23/08)



Photo T-2-4. Boat launch ramp. Note warning sign and bear proof garbage to right of ramp. (7/23/08)



Photo T-2-5. Warning sign adjacent to boat launch ramp. (7/21/08)



Photo T-2-6. Single unit accessible CXT adjacent to boat launch ramp.



Photo T-2-7. Double unit accessible CXT and bear-proof garbage adjacent to parking area. (7/23/08)



Photo T-2-8. Double unit accessible CXT upslope from parking area. (7/23/08)



Photo T-2-9. Damaged information board adjacent to CXT upslope from parking area. (7/23/08)



Photo T-2-10. Good condition information board adjacent to boat launch ramp. (7/23/08)

Appendix U-1
Canyon Creek
Inventory

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

Name of Facility:	Canyon Creek
Type of Facility:	Day Use Area
Managing Agency:	California State Parks – Auburn State Recreation Area
Date of this Inventory:	March 12, 2009
Inventory Prepared by:	Erin Adams (ENTRIX) in consultation with Bill Deitchman (ASRA)

BRIEF DESCRIPTION OF SITE:

Canyon Creek is a day use facility located along the Middle Fork of the American River upstream of Ruck-a-Chucky Recreation Area.. The facility is accessed by Drivers Flat Road through Ruck-a-Chucky Recreation Area and was constructed primarily as a take-out for commercial rafters.

The facility also runs along the Western States Trail so it is commonly used by hikers. A permit is required to camp and there is no potable water available. There is one compost toilet and a picnic table located on the north side of the river available for day use. The access road into Canyon Creek (Drivers Flat Road) has a locked gate controlled by ASRA staff so there is no public vehicular access. The site is operated by California State Parks.

OVERALL CONDITION OF FACILITY:

Condition of Facility: Overall, the picnic area is in fair condition. The site is functional but has overgrown vegetation. The bathroom is relatively new and in good condition. The access road leading to the facility is in poor condition and can only be reasonably accessed by a high clearance vehicle due to the uneven and rocky substrate.
Accessibility Conditions: Neither the picnic site nor the bathroom meet accessibility standards due to uneven terrain, steep slope, and overgrown vegetation.
Health and Safety Concerns: None
Environmental and Cultural Concerns: Unknown
Comments: The access road is mostly used by hikers and equestrians. According to commercial rafting companies, the facility is no longer commonly used as a portage because an alternate portage is used farther downstream, closer to the Ruck-a-Chucky Falls. The facility may currently be used by commercial rafting companies as a resting point for meals and breaks. No potable water is available at this facility.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SITE FEATURES

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility						Comments
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Bathroom	Two unit	On east side of facility near beach area. Includes 1 toilet, and 1 toilet paper roll dispenser.	Painted wood exterior	Compost	Good	N	X		X	X		Good overall condition not accessible due to location.
Picnic Table	1 table, seats approx. 8-10 people	Located on northwest upper end of facility in parking area	Treated wood	Heavy	Fair	N			X		X	Picnic table is not accessible design. In fair condition due to lack of use but is covered in old graffiti. Difficult to access and use due to vegetation along pathway and under table.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

PARKING, ROADWAYS and GATES

Feature	Quantity or Dimensions	Location or Description	Material	Cond	Accessibility						Comments
					Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Drivers Flat Road	Approx. 1.2 miles long (10-24 feet wide)	As measured from locked gate to terminus.	Native surface	Fair to Poor	Y	X	X				Accessible by high clearance vehicles, subject to erosion. See detailed road survey for additional information.
Parking Area/Turn-Around	Approx. 2,500 square feet, roughly triangular in shape	Northwest side of facility on north side of access road	Soil, grass, cobble	Fair	N		X	X			Soil erosion has uncovered large cobble and other obstacles. Lack of use has allowed for vegetation overgrowth. Not striped, can accommodate approx. 10-12 vehicles.

SIGNAGE

Type of Sign	Location	Qt	Material	Cond	Wording/Graphics	Remarks	Accessibility Notes
Regulatory	Along trail between toilet and river access	1	Painted aluminum on plastic post.	Good	STAY ON TRAIL		Good contrast.

Appendix U-2

**Canyon Creek
Photographs**



Photo U-2-1. The parking/turnaround area located on the northwest side of Canyon Creek. (3/12/09)



Photo U-2-2. The lack of use of the parking/turnaround area has allowed for vegetation overgrowth. (3/12/09)



Photo U-2-3. Picnic table located on the east side of the parking/turnaround area. (3/12/09)



Photo U-2-4. End of Drivers Flat Road. (3/12/09)



Photo U-2-5. Trail leading to river from end of Drivers Flat Road. (3/12/09)



Photo U-2-6. Compost toilet located on the east side of the facility. (3/12/09)



Photo U-2-7. Trail between beach and bathroom to beach area. (3/12/09)

Appendix V-1
Ruck-a-Chucky Recreation Area
Inventory

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

Name of Facility:	Ruck-a-Chucky Recreation Area
Type of Facility:	Campground and Day Use Area
Managing Agency:	California State Parks – Auburn State Recreation Area
Date of this Inventory:	March 12, 2009
Inventory Prepared by:	Erin Adams (ENTRIX) in consultation with Bill Deitchman (ASRA)

BRIEF DESCRIPTION OF SITE:

Ruck-a-Chucky Recreation Area is a multiuse facility located along the Middle Fork of the American River. The facility includes five primitive campsites, two picnic areas, three large parking areas, and two walk-in boat ramps. Drivers Flat Road provides access to the facility from Foresthill Road. The site is primarily used as a whitewater rafting put-in and take-out for commercial and private boaters. Two vault bathrooms are available in the northwest parking area and one vault bathroom is available in the southeast parking area. No potable water is available at the facility. The site is operated by California State Parks.

OVERALL CONDITION OF FACILITY:

Condition of Facility: Overall, the picnic areas and campsites are in fair condition. The sites are functional but the terrain is uneven and needs leveling. The parking areas are also functional but they are not paved and sometimes have obstacles such as cobbles and boulders that fall from the hill above. Drivers Flat Road provides access through the facility and in some places is in poor condition and can only be reasonably accessed by a high clearance vehicle due to the uneven and rocky substrate. The boat ramps both consist of gravel and cobble and are in good condition for walk-in boaters. The bathrooms are relatively new and also in good condition.
Accessibility Conditions: Neither the picnic sites nor any of the campsites meet accessibility standards because of their uneven terrain and inaccessible amenities. The surface of the boat ramps consist of gravel and cobble and the slope of both ramps are too steep to meet accessibility standards. Each of the three large parking areas have one designated handicap accessible parking stall but the turn-out areas do not. The bathrooms themselves are disabled accessible but the paths leading to them can sometimes have debris or obstacles that impede access.
Health and Safety Concerns: None
Environmental and Cultural Concerns: Unknown
Comments: No potable water is available at this facility.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SITE FEATURES

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility						Comments	
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other		
West Boat Ramp	Approx. 75 feet long by 12 feet wide	Gravel and cobble walk-in car-top ramp extending from turnoff of access road before Campsite #5 to edge of water. Wide enough for foot traffic only.	Gravel and cobble	Car-top	Good	N		X			X		Ramp does not meet accessibility standards due to excessive slope and the presence of large cobble. Top of ramp contains painted steel post in center of ramp to deter motor vehicles.
East Boat Ramp	Approx. 120 feet long by 12 feet wide	Gravel and cobble walk-in car-top ramp extending from turnoff of access road before SE parking area to edge of water. Wide enough for foot traffic only.	Gravel and cobble	Car-top	Good	N					X		Ramp does not meet accessibility standards due to excessive slope. Top of ramp contains painted steel post in center of ramp to deter motor vehicles.
Bathroom	Single unit	On east side of NW parking area, adjacent to garbage containers.	Wood and cobble exterior, cement foundation	Vault	Good	Y							Includes 1 toilet, 1 toilet paper roll dispenser, and 2 support rails. Good overall condition but in need of cleaning.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SITE FEATURES (continued)

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility						Comments	
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other		
Bathroom	Single unit	On east side of NW parking area, adjacent to first bathroom.	Wood and cobble exterior, cement foundation	Vault	Good	Y							Includes 1 toilet, 1 toilet paper roll dispenser, and 2 support rails. Good overall condition but in need of cleaning.
Bathroom	Single unit	Far north side of SE parking area.	Wood and cobble exterior, cement foundation	Vault	Good	Y							Includes 1 toilet, 1 toilet paper roll dispenser, and 2 support rails. Located on a gradual slope, but still accessible. Missing coed/handicap accessible sign on outside of structure.
Garbage Container	2 (Two-bin)	Adjacent to first bathroom in NW parking area.	Painted steel bolted to concrete pad	Bear-proof	Good	N						X	Not accessible due to handle design.
Garbage Container	1 (Two-bin)	Adjacent to Campsite #5 on road to SE parking area.	Painted steel bolted to concrete pad	Bear-proof	Good	N						X	Not accessible due to handle design.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SITE FEATURES (continued)

Feature	Quantity or Dimensions	Location or Description	Material	Type	Cond	Accessibility						Comments	
						Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other		
Garbage Container	1 (Two-bin)	N. end of west boat ramp parking area.	Painted steel bolted to concrete pad	Bear-proof	Good	N						X	Not accessible due to handle design.
Garbage Container	1 (Two-bin)	North side of SE parking area.	Painted steel bolted to concrete pad	Bear-proof	Good	N	X	X				X	Not accessible due to handle design, rocky terrain with uneven slope.
Garbage Container	1 (Two-bin)	Located on south side of access road across from turnout on the east side of Ruck-a-Chucky	Painted steel bolted to concrete pad	Bear-proof	Good	N						X	Not accessible due to handle design, and back is covered in graffiti.
Picnic Table	1	On S. end of access road across from SE parking area.	Concrete	Heavy	Good	N	X	X					Not accessible, rocks present and set on uneven terrain.
Picnic Table	1	Located on south side of access road on the far east side of Ruck-a-Chucky close to the gate	Concrete	Heavy	Good	N	X				X	X	Picnic table is not accessible design. In good condition due to lack of use but difficult to access and use due to steep slope and uneven terrain.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

PARKING, ROADWAYS, TRAVEL PATHS, and GATES

Feature	Quantity or Dimensions	Location or Description	Material	Cond	Accessibility						Comments
					Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Drivers Flat Road	Approx. 3.1 miles long (10–24 feet-wide)	As measured from Foresthill Road to locked gate.	Mostly native surface, small portion paved or gravel	Good to Poor	Y	X	X				Accessible by high clearance vehicles, subject to erosion. See detailed road survey for additional information.
Northwest Parking Area	Approx. 2,500 square feet, roughly rectangular in shape	Northwest side of facility across road from Campsite #4	Soil, gravel, sand	Fair	N	X	X				Soil erosion has uncovered large cobble and other obstacles. Not striped, can accommodate about 5 vehicles. One designated handicap parking space.
Southeast Parking Area	Approx. 6,000 square feet, roughly triangular in shape	Southeast side of facility across road from river access stairs	Aggregate	Fair	Y						Not striped, can accommodate about 6 vehicles. One designated handicap parking space.
Boat Ramp Parking Area	Approx. 10,000 square feet, roughly oval in shape	Southwest side of facility, access road between Campsites #4 and #5, leads to west boat ramp	Aggregate	Fair	Y						Not striped, can accommodate about 12 vehicles. One designated handicap parking space.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

PARKING, ROADWAYS, TRAVEL PATHS, and GATES (continued)

Feature	Quantity or Dimensions	Location or Description	Material	Cond	Accessibility						Comments
					Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Boat Ramp Access Road	Approx. 180 feet long by 12-foot wide (single lane)	As measured from Drivers Flat Road to beginning of beginning of Boat Ramp Parking Area.	Aggregate	Good	Y						Connects main access road and west boat ramp.
River Access Stairway	Approx. 90 feet long by 8 feet wide, consists of 24 stairs	South side of main access road, just below the southeast parking area.	Boulders with sand and gravel	Poor	N		X		X	X	Connects the southeast parking area to the river. Some stairs unstable, needs updating.
Boat Ramp River Access Path	Approx. 55 feet long by 6 feet wide	West side of boat ramp parking area, just below boat ramp access road	Sand	Good	N					X	Unstable footing due to sand, connects boat ramp parking area to river
River Access Paths	2 pathways; (1) approx. 140 feet long, (2) approx. 160 feet long	Leading from Campsite #4 down to river	Sand, gravel	Fair	N	X			X		User made access paths, unstable footing due to sand, steep slope, only accessible through Campsite #4


DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

PARKING, ROADWAYS, TRAVEL PATHS, and GATES (continued)

Feature	Quantity or Dimensions	Location or Description	Material	Cond	Accessibility						Comments
					Accessible (yes/no)	Needs Leveling	Obstacles present	Brush or hazard trees	Excessive Slope	Other	
Turnout	Approx. 1,000 square feet, roughly triangular in shape	North side of access road from Ruck-a-Chucky to Canyon Creek, adjacent to garbage container	Sand, gravel, cobble	Poor	N		X				Not striped, can accommodate approx. 2 vehicles.
Gate	1 gate extending across access road, approx. 14 feet long	Located along access road from Ruck-a-Chucky to Canyon Creek directly after picnic table	Painted steel	Good	N					N	Locked gate accessible by ASRA staff only



DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE

Type of Sign	Location	Qt	Material	Cond	Wording/Graphics	Remarks	Accessibility Notes
Self-registration	Adjacent to first bathroom in NW parking area	1	Painted aluminum on steel post.	Fair	SELF REGISTRATION PAY INSTRUCTONS (Further instructions regarding camping and parking regulations)	Bullet hole	Good contrast.
Iron ranger/fee registration	Directly in front of self-registration sign	1	Painted steel box attached to hollow steel post.	Good	None (contains slots for depositing fees)		
Sign board	Adjacent to first bathroom in NW parking area	1	Redwood boards with built in shingled roof on redwood posts	Good	None	Nothing posted, new board	
Regulatory	NW parking area	1	Painted aluminum on PTDF post.	Fair	DAY USE PARKING ONLY	Two bullet holes, slightly bent	Good contrast.
Regulatory	NW parking area	1	Painted aluminum on steel post.	Good	 PARKING ONLY		Good contrast.
Directional	Across road from Campsite #1	2	Both painted aluminum, one on painted steel post and one on unpainted steel post.	Fair	WESTERN STATES TRAIL (TEVIS TRAIL) DRIVERS FLAT RD. CROSSING (Gives further directions), TRAIL (with arrow and CA State Parks seal)	Aluminum is slightly bent and worn with a few bullet holes	Signs are placed off trail; print too small for vision impaired.
Regulatory	Across road from Campsite #1	2	Painted aluminum on painted steel posts.	Poor	NO FIRES NO CAMPING No bicycles	Paint chipped and faded	Graphics are visible but print is too small for vision impaired.

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE (continued)

Type of Sign	Location	Qt	Material	Cond	Wording/Graphics	Remarks	Accessibility Notes
Informational	Along road between Campsites # 3 and 4	1	Painted aluminum on a plywood board attached to PTDF painted posts.	Good	Rattlesnakes, Poison Oak, Mountain Lion, and "Dogs on leash" graphic. (Educational information given on wildlife and plant life)	Four separate aluminum signs attached to one sign board	Print too small for vision impaired.
Regulatory	Along road between Campsites # 3 and 4	1	Painted aluminum on steel post.	Fair	NO DAY USE PARKING IN CAMPSITES Only registered campers allowed to park in campsites Violators will be cited CVC 21113 (a) Camping only	Three aluminum signs attached to one steel post, two bullet holes	
Regulatory	Along road to west boat ramp	1	Painted aluminum on steel post.	Fair	10 MINUTE PARKING LOADING ZONE Beyond this point	Paint faded, two aluminum signs attached to one steel post	Weak contrast due to fading paint.
Regulatory	End of road to west boat ramp	2	Painted aluminum on steel post.	Good	10 MINUTE PARKING LOADING ZONE	Paint slightly chipped but still clearly visible	
Regulatory	West boat ramp parking area	1	Painted aluminum on steel post.	Fair	 PARKING ONLY	Aluminum is bent	
Regulatory	West boat ramp parking area	1	Painted aluminum on steel post.	Good	NO PARKING 10PM – 6AM		Good contrast.
Regulatory	SE parking area	1	Painted aluminum on steel post.	Fair	 PARKING ONLY	Bullet holes	

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE (continued)

Type of Sign	Location	Qt	Material	Cond	Wording/Graphics	Remarks	Accessibility Notes
Regulatory	Along edge of SE parking area	2	Painted aluminum on steel post.	Fair	15 MINUTE PARKING	Bullet holes, one post is rusted	
Regulatory	On edge of SE parking area	1	Painted aluminum on steel post.	Fair	15 MINUTE PARKING Between signs	Bullet holes present and sign is bent	
Regulatory	Across road from SE parking area	1	Painted aluminum on steel post.	Fair	NO PARKING ANYTIME	Steel post is bent to one side	Good contrast.
Regulatory	Across road from SE parking area	1	Painted aluminum on steel post.	Good	NO PARKING ANYTIME THIS SIDE	Two aluminum signs attached to one steel post, post is rusted	Good contrast.
Regulatory	On edge of SE parking area	1	Painted aluminum on steel post.	Good	DAY USE PARKING ONLY (with directional arrow)	Two aluminum signs attached to one steel post	Good contrast.
Directional	On side of road east of SE parking area	1	Painted aluminum on PTDF post.	Fair	WESTERN STATES TRAIL (TEVIS TRAIL) RUCK-A-CHUCKY (Gives further directions)	Aluminum badly bent	


DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE (continued)

Type of Sign	Location	Qt	Material	Cond	Wording/Graphics	Remarks	Accessibility Notes
Informational	Across road from SE parking area	1	Paper poster attached to plywood covered by plastic on steel poles.	Fair	THE MIDDLE FORK OF THE AMERICAN RIVER (Gives extensive educational information, maps, and pictures) CAUTION (Describes water level changes)	Steel poles badly rusted	Print too small for vision impaired.
Regulatory	Across road from SE parking area	1	Painted aluminum on steel post.	Fair	PARK HOURS 6AM – 7PM (With “no camping” graphic)	Aluminum sign bent, two signs attached to one post	
Iron ranger/fee registration	West boat ramp parking area	1	Painted steel box attached to hollow steel post.	Good	None (contains slots for depositing fees)	Inactive	
Iron ranger/fee registration	Along edge of SE parking area	1	Painted steel box attached to painted steel post	Fair	None (contains slots for depositing fees)	Inactive, rusted	
Identification	On gate along access road between Ruck-a-Chucky and Canyon Creek	1	Painted aluminum attached to steel gate.	Good	101 RUCK-A-CHUCKY		Good contrast.
Identification	On gate along access road between Ruck-a-Chucky and Canyon Creek	1	Painted aluminum attached to steel gate.	Good	101 RUCK-A-CHUCKY FALLS GATE	On inaccessible side of gate	

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SIGNAGE (continued)

Type of Sign	Location	Qt	Material	Cond	Wording/Graphics	Remarks	Accessibility Notes
Regulatory	On gate along access road between Ruck-a-Chucky and Canyon Creek	1	Painted aluminum attached to steel gate.	Fair		Paint slightly scratched	Good contrast.
Regulatory	Adjacent to picnic table along road from Ruck-a-Chucky to Canyon Creek	1	Painted aluminum on steel post.	Fair	NO PARKING BEYOND THIS POINT	Paint slightly scratched and smudged	
Regulatory	Adjacent to garbage container along road from Ruck-a-Chucky to Canyon Creek	1	Painted aluminum on steel post.	Fair	NO FIRES, CAMPING OR VEHICLE (with graphics for each prohibited activity)	One bullet hole, some covered graffiti	
Regulatory	Adjacent to garbage container along road from Ruck-a-Chucky to Canyon Creek	1	Painted aluminum on steel post.	Poor	NO FIRES, NO CAMPING (with graphics showing prohibited activities)	Multiple bullet holes, rusted, faded paint	Poor contrast due to faded paint.
Directional	Adjacent to garbage container along road from Ruck-a-Chucky to Canyon Creek	1	Painted aluminum on steel post.	Poor	CANYON CREEK 1.5 MI FORDS BAR 4.0 MI (with arrow showing direction)	Aluminum is slightly bent and worn with a few bullet holes, steel pole is rusted	Poor contrast due to condition of sign

DEVELOPED RECREATION FACILITY INVENTORY AND ACCESSIBILITY FORM

SITE/UNIT FEATURES

Site #	Host Site	Designated Accessible Site?	Accessibility Constraints				Remarks	Spur				Site Signs						Stoves, Grills, Fire Rings and Bear Boxes											Tables			Other		
			Needs Leveling	Obstacles	Excessive Brush/Veg	Inadequate Clear Space		Size	Material	Condition	Remarks	Site Marker	Material	Condition	Other Signage	Material	Condition	Masonry Stove	Steel Stove	Steel Fire Ring	Fire Ring with Steel Grill	HC Fire Ring with Adj. Grill	Ped. Grill	HC Ped Grill	Double Ped. Grill	HC Double Ped Grill	Bear Box	Condition	Remarks	Wood Table (Heavy)	Concrete (Heavy)		Plastisol Coated Iron Table (Light)	Condition
1		No		X		X	Slightly uneven terrain and needs obstacles (rocks) removed. Native surface.	17' X 20'	Native	Fair	Unimproved	X	Carsonite	Good	None				X								Fair	Fire ring with flip-back steel grill, no bear box.			1	Poor	Graffiti	
2		No	X	X		X	Needs leveling, no designated parking, and needs obstacles (rocks) removed. Native surface.	15' X 17'	Native	Fair	Unimproved	X	Carsonite	Good	None				X							Fair	Fire ring with flip-back steel grill, no bear box.			1	Good			
3		No	X	X			Needs leveling and obstacle (cement block) removed. Native surface.	15' X 16'	Native	Fair	Unimproved and sloped	X	Carsonite	Good	None				X							Fair	Fire ring with flip-back steel grill, no bear box.			1	Good			
4		No	X	X			Needs minor leveling and obstacles (boulders) removed. Native surface.	20' X 30'	Native	Fair	Unimproved and sloped; subject to erosion	X	Carsonite	Good	None				X							Fair	Fire ring with flip-back steel grill, no bear box.	2			Poor	Hard to access due to obstacles, set on uneven terrain		
5		No		X	X		Many obstacles, including large boulders and encroaching vegetation. Native surface.	16' X 18'	Sand/gravel	Fair	Unimproved	X	Al placard on steel pole	Fair	None				X							Fair	Fire ring with flip-back steel grill, no bear box.		1		Poor	Bench broken on one side, some graffiti present		
		0										5						5										2	1	3				

Notes:

- NA - Not applicable.
- HC - Handicap Accessible
- PTDF - Pressure Treated Douglas Fire
- AC - Asphaltic Concrete, otherwise known as asphalt or pavement
- AO - Asphalt Overlay - A top coat of AC applied to a previously paved surface.
- Chip seal - Oil and crushed rock (usually 1/4") applied over a previously paved surface
- Crushed rock - Clean (no fines) crushed rock, usually 1/4" or 3/4"
- Aggregate Base - A combination of crushed rock, sand and clay. The fines make aggregate base compactable.

Appendix V-2
Ruck-a-Chucky Recreation Area
Photographs



Photo V-2-1. The Northwest Parking Area designated for day use. (3/12/09)



Photo V-2-2. One designated handicap parking space in the Northwest Parking Area. (3/12/09)



Photo V-2-3. Two coed bathrooms located in Northwest Parking Area. Disabled accessible and in good condition. (3/12/09)



Photo V-2-4. Close-up of bathroom located in Northwest Parking Area. (3/12/09)



Photo V-2-5. Example interior of bathroom located in the Northwest Parking Area. (3/12/09)



Photo V-2-6. Two bear-proof garbage containers (2-bin) on concrete pads located in the Northwest Parking Area adjacent to the bathrooms. (3/12/09)



Photo V-2-7. Self-registration system located in Northwest Parking Area. (3/12/09)



Photo V-2-8. Information sign board located adjacent to self-registration system in Northwest Parking Area. (3/12/09)



Photo V-2-9. Southeast Parking Area. (3/12/09)



Photo V-2-10. Vault bathroom in good condition located in the Southeast Parking Area. (3/12/09)



Photo V-2-11. Bear-proof garbage container in good condition located in the Southeast Parking Area. (3/12/09)



Photo V-2-12. Boat Ramp Access Road leading to the Boat Ramp Parking Area as viewed from Drivers Flat Road. (3/12/09)



Photo V-2-13. The Boat Ramp Parking area provides access to the West Boat Ramp. Note bear-proof garbage container. (3/12/09)



Photo V-2-14. The West Boat Ramp at Ruck-a-Chucky used by commercial and private whitewater rafters. (3/12/09)



Photo V-2-15. Boat Ramp River Access Path located on the west side of the Boat Ramp Parking Area. (3/12/09)



Photo V-2-16. The East Boat Ramp at Ruck-a-Chucky. (3/12/09)



Photo V-2-17. Day-use picnic area located on the south side of Drivers Flat Road, adjacent to the River Access Stairway. (3/12/09)



Photo V-2-18. River access stairway located on the south side of the access road across from the Southeast Parking Area. (3/12/09)



Photo V-2-19. Interpretive sign providing historical information about the Middle Fork of the American River located adjacent to the river access stairway. (3/12/09)



Photo V-2-20. Bear-proof garbage container located on the south side of Drivers Flat Road approximately 400 feet west of the River Access Stairway. (3/12/09)



Photo V-2-21. River access path #1 accessible from Boat Ramp Access Road. (3/12/09)



Photo V-2-22. River access path #2 accessible through Campsite 4. (3/12/09)

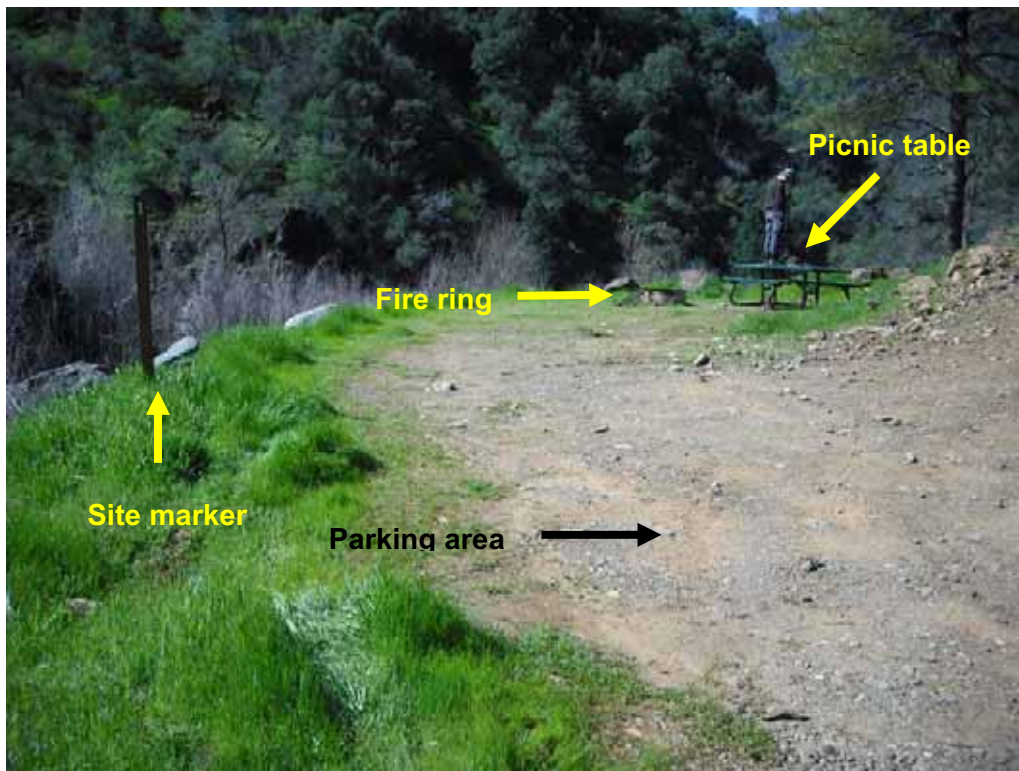


Photo V-2-23. Campsite 1. Example of a typical campsite at Ruck-a-Chucky. (3/12/09)



Photo V-2-24. Example of heavy wood picnic table in Campsite 4. Campsite 4 includes two tables. Both are damaged and are in poor condition. (3/12/09)



Photo V-2-25. Example of plastisol coated iron table. (3/12/09)



Photo V-2-26. Concrete table located in Campsite 5. Table is damaged and in poor condition. (3/12/09)



Photo V-2-27. Example of carsonite site marker located at the entrance of each campsite. (3/12/09)



Photo V-2-28. Example of fire ring with steel grill located at each of the campsites. (3/12/09)



Photo V-2-29. Turn-out located on north side of Drivers Flat Road, east of Southeast Parking Area. (3/12/09)



Photo V-2-30. Bear-proof garbage container and signage located on the south side of Drivers Flat Road, across from turn-out. (3/12/09)



Photo V-2-31. Graffiti on back of bear-proof garbage container. (3/12/09)



Photo V-2-32. A picnic area located on the south side of Drivers Flat Road just west of locked gate. (3/12/09)



**Photo V-2-33. Locked gate located along Drivers Flat Road west of Canyon Creek.
(3/12/09)**



**Photo V-2-34. A regulatory sign in poor condition located adjacent to the locked gate.
(3/12/09)**



Photo V-2-35. A directional sign located adjacent to the locked gate. (3/12/09)