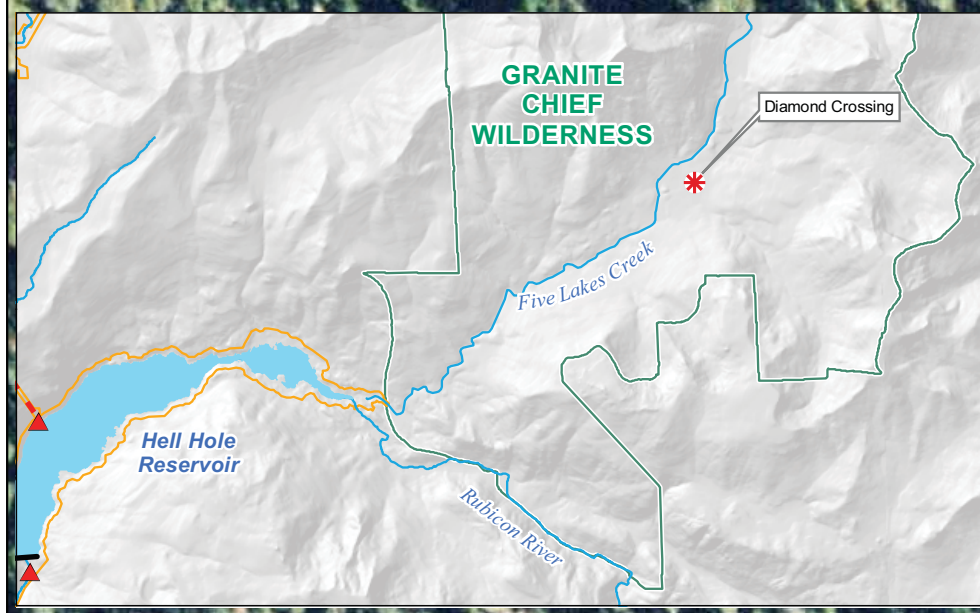





- Project Facilities**
- Powerhouse
 - Dam
 - Snow Course Location
 - Designated Helicopter Landing Zone
 - Tunnel
 - Penstock
 - FERC Boundary
- Transportation**
- Roads
- Hydrography**
- Watercourse
 - Water Body
- Designated Boundary**
- Wilderness Area
- Willow Flycatcher Data****
- "Emphasis" Meadow (Equal to or greater than 15 acres)

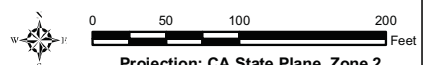
**USFS Region 5

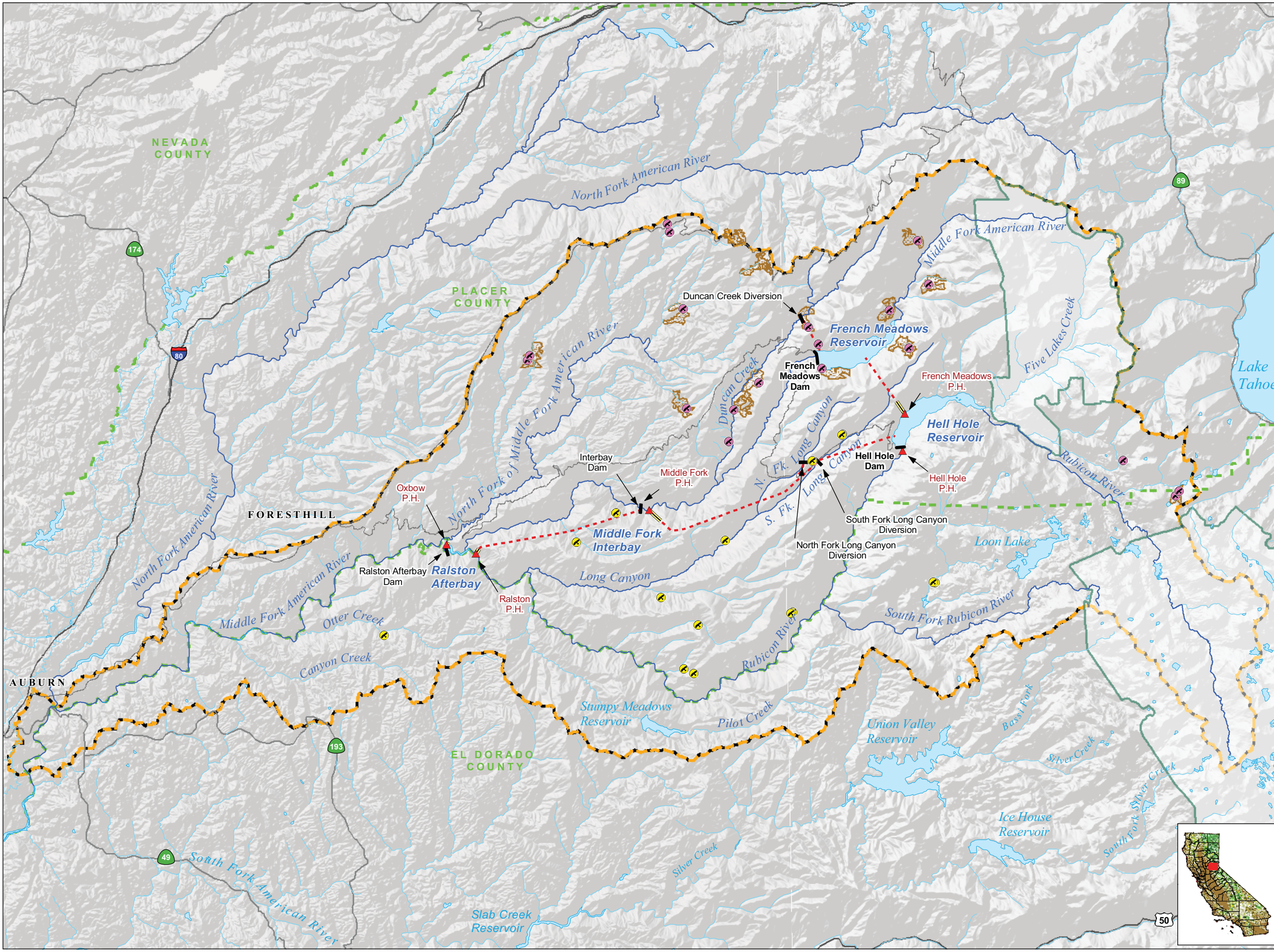
Placer County Water Agency
Middle Fork American River Project

Map TERR 4-1

**Willow Flycatcher Habitat
in the Study Area**



Projection: CA State Plane, Zone 2
Datum: NAD 83
Date: 10/28/08



Project Facilities

- Powerhouse
- Dam
- Tunnel
- Penstock

Transportation

- Major Road
- Minor Road

Hydrography

- Watercourse
- Water Body
- Middle Fork American River Watershed*

*Modified from Calwater Ver. 2.2 to represent drainage above high-water mark of Folsom Lake

Designated Boundary

- County Boundary
- Wilderness Area

Northern Goshawk Data (with source)

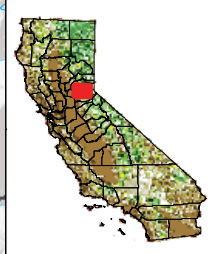
- Northern Goshawk Protected Activity Center "PAC" (ENF and TNF)
- Northern Goshawk Nests (TNF only)
- Northern Goshawk Nests (ENF only)



Placer County Water Agency
Middle Fork American River Project

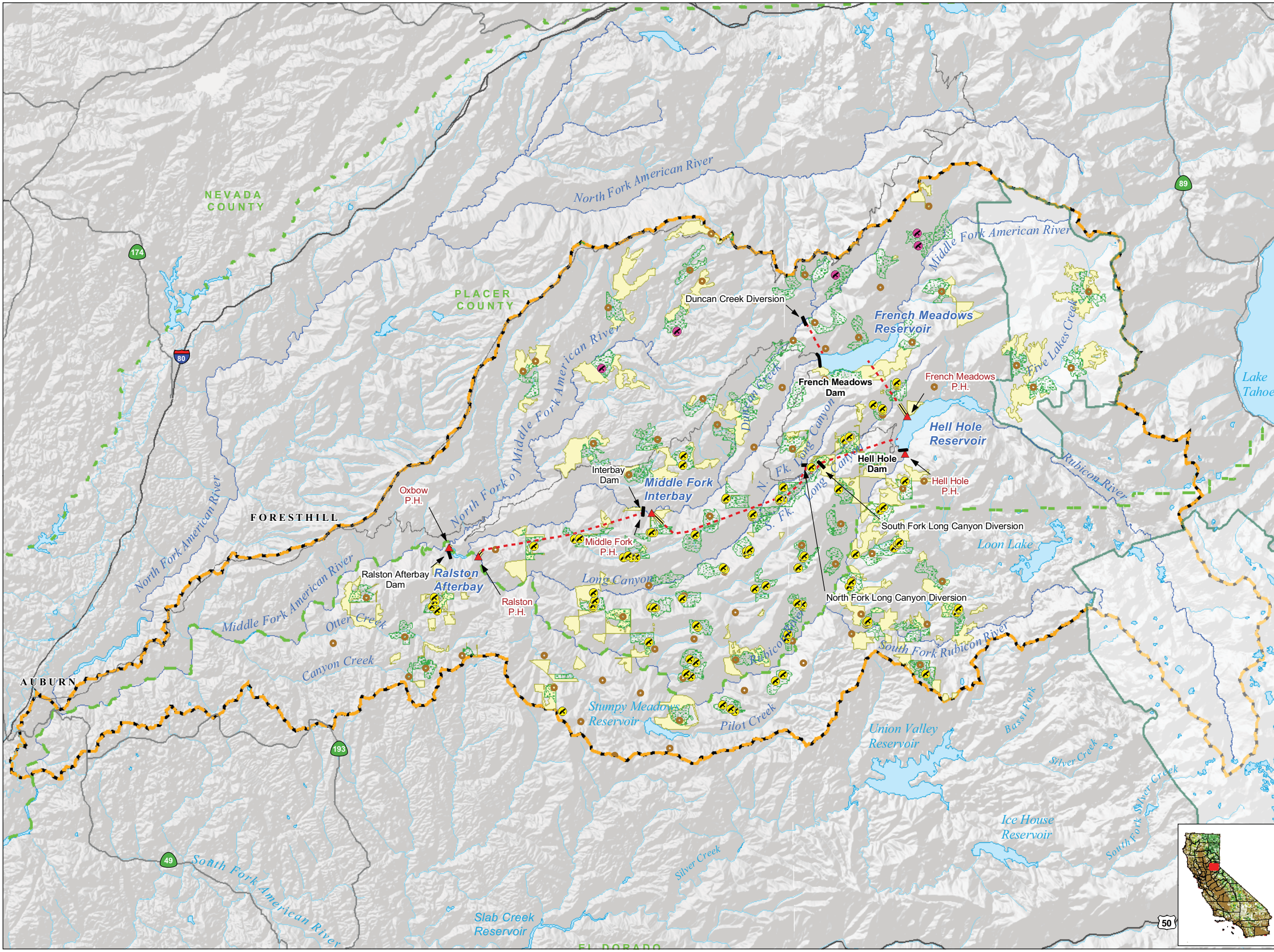
Map TERR 4-2

Northern Goshawk PACs and Nest Trees Present in the Middle Fork American River Watershed



Projection: CA State Plane, Zone 2
Datum: NAD 83

Date: 10/28/08



Project Facilities

- Powerhouse
- Dam
- Tunnel
- Penstock

Transportation

- Major Road
- Minor Road

Hydrography

- Watercourse
- Water Body
- Middle Fork American River Watershed*

*Modified from Calwater Ver. 2.2 to represent drainage above high-water mark of Folsom Lake

Designated Boundary

- County Boundary
- Wilderness Areas

Spotted Owl Data (with Source)

- Spotted Owl Protected Activity Center "PAC" (USFSR5)
- Spotted Owl Home Range Core Area "HRCA" (USFSR5)
- Spotted Owl Nests (TNF only)
- Spotted Owl Nests (ENF only)
- Spotted Owl Nests (USFSR5)



Placer County Water Agency
Middle Fork American River Project

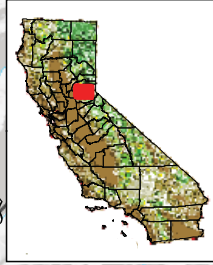
Map TERR 4-3

California Spotted Owl PACs, Nest Trees and Home Range Core Areas Present in the Middle Fork American River Watershed



Projection: CA State Plane, Zone 2
Datum: NAD 83

Date: 10/28/08



Mule Deer Data*

- Fawning Areas
- Holding Areas
- Summer Range
- Critical Summer Range
- Winter Range
- Critical Winter Range
- Intermediate Range
- Migration Routes

* Composite of Tahoe National Forest and El Dorado National Forest Data

Project Facilities

- Powerhouse
- Dam
- Tunnel
- Penstock

Transportation

- Major Road
- Minor Road

Hydrography

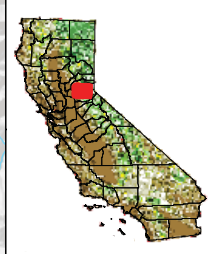
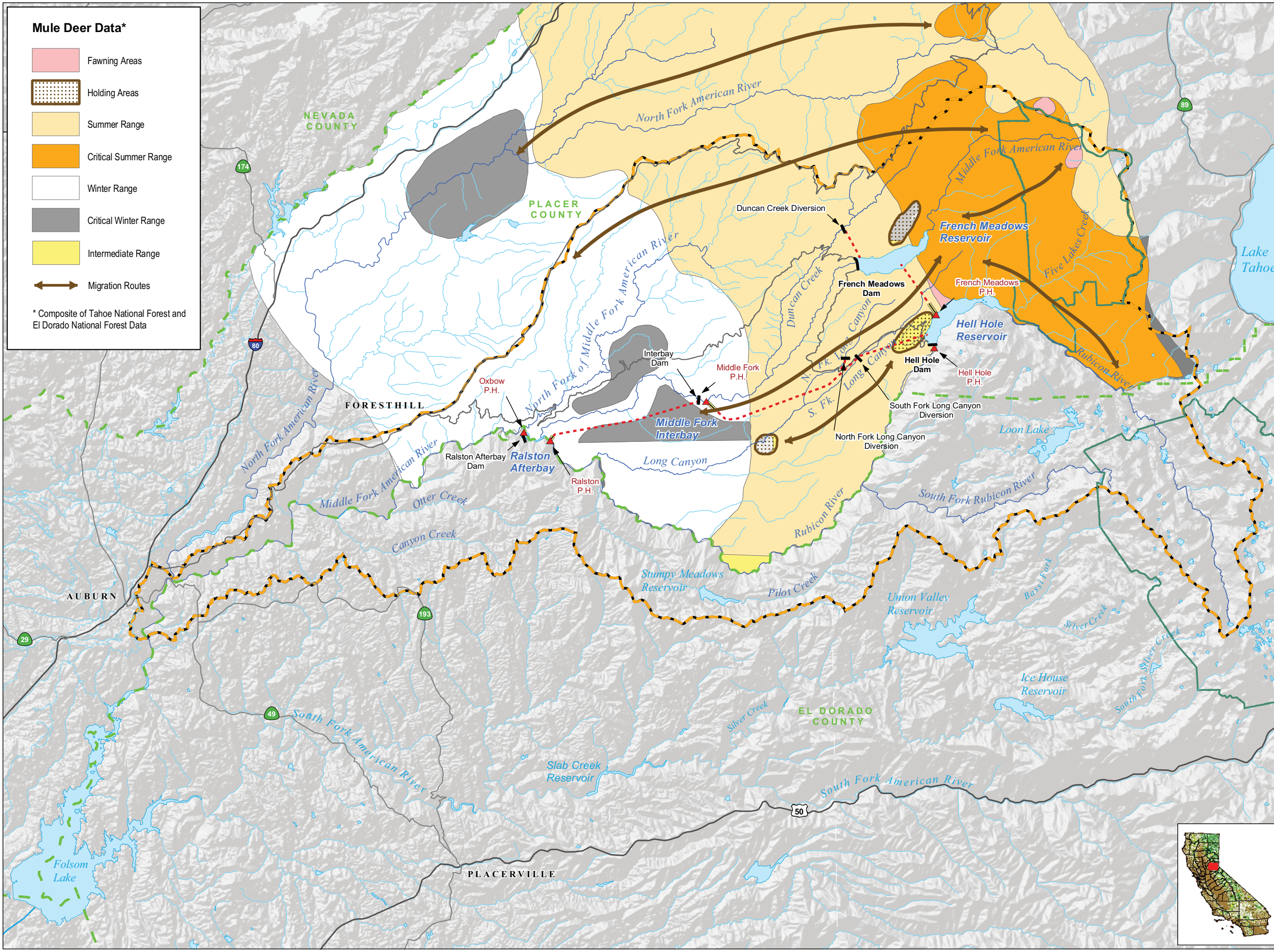
- Watercourse
- Water Body

Middle Fork American River Watershed*

*Modified from Calwater Ver. 2.2 to represent drainage above high-water mark of Folsom Lake

Designated Boundary

- County Boundary
- Wilderness Area



Placer County Water Agency
Middle Fork American River Project

Map TERR 4-4a

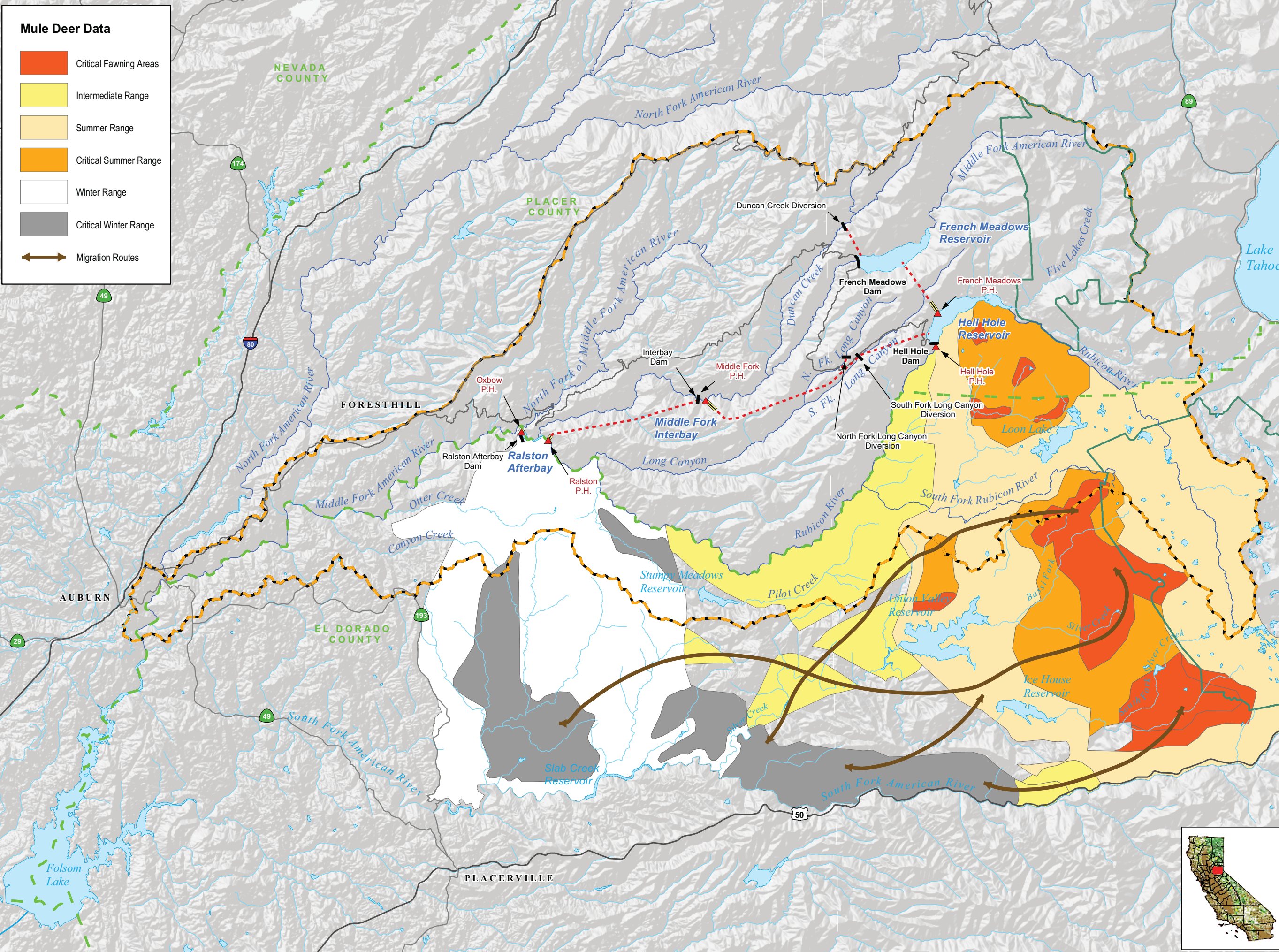
Blue Canyon Mule Deer Herd Migration Patterns in the Middle Fork American River Watershed



0 1 2 3 4 5
Miles

Projection: CA State Plane, Zone 2
Datum: NAD 83

Date: 10/28/08



Mule Deer Data

- Critical Fawning Areas
- Intermediate Range
- Summer Range
- Critical Summer Range
- Winter Range
- Critical Winter Range
- Migration Routes

Project Facilities

- Powerhouse
- Dam
- Tunnel
- Penstock

Transportation

- Major Road
- Minor Road


Hydrography

- Watercourse
- Water Body
- Middle Fork American River Watershed*

*Modified from Calwater Ver. 2.2 to represent drainage above high-water mark of Folsom Lake

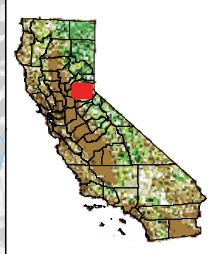
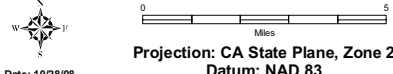
Designated Boundary

- County Boundary
- Wilderness Area



Placer County Water Agency
Middle Fork American River Project

Map TERR 4-4b
Pacific Mule Deer Herd Migration Patterns in the Middle Fork American River Watershed

Projection: CA State Plane, Zone 2
Datum: NAD 83
Date: 10/28/08

Wildlife Habitats (CWHR)*

- Annual Grass
- Barren
- Blue Oak-Foothill Pine
- Douglas-Fir
- Montane Chaparral
- Montane Hardwood
- Montane Riparian
- Ponderosa Pine
- Sierran Mixed Conifer
- Developed
- Riverine / Lacustrine
- Wet Meadow
- White Fir

*CalVeg Data (2000) with updates from 2007 PCWA field surveys and aerial photo interpretation

Project Facilities

- Powerhouse
- Dam
- Tunnel
- Penstock

Transportation

- Major Road
- Minor Road

Hydrography

- Watercourse
- Water Body
- Middle Fork American River Watershed*

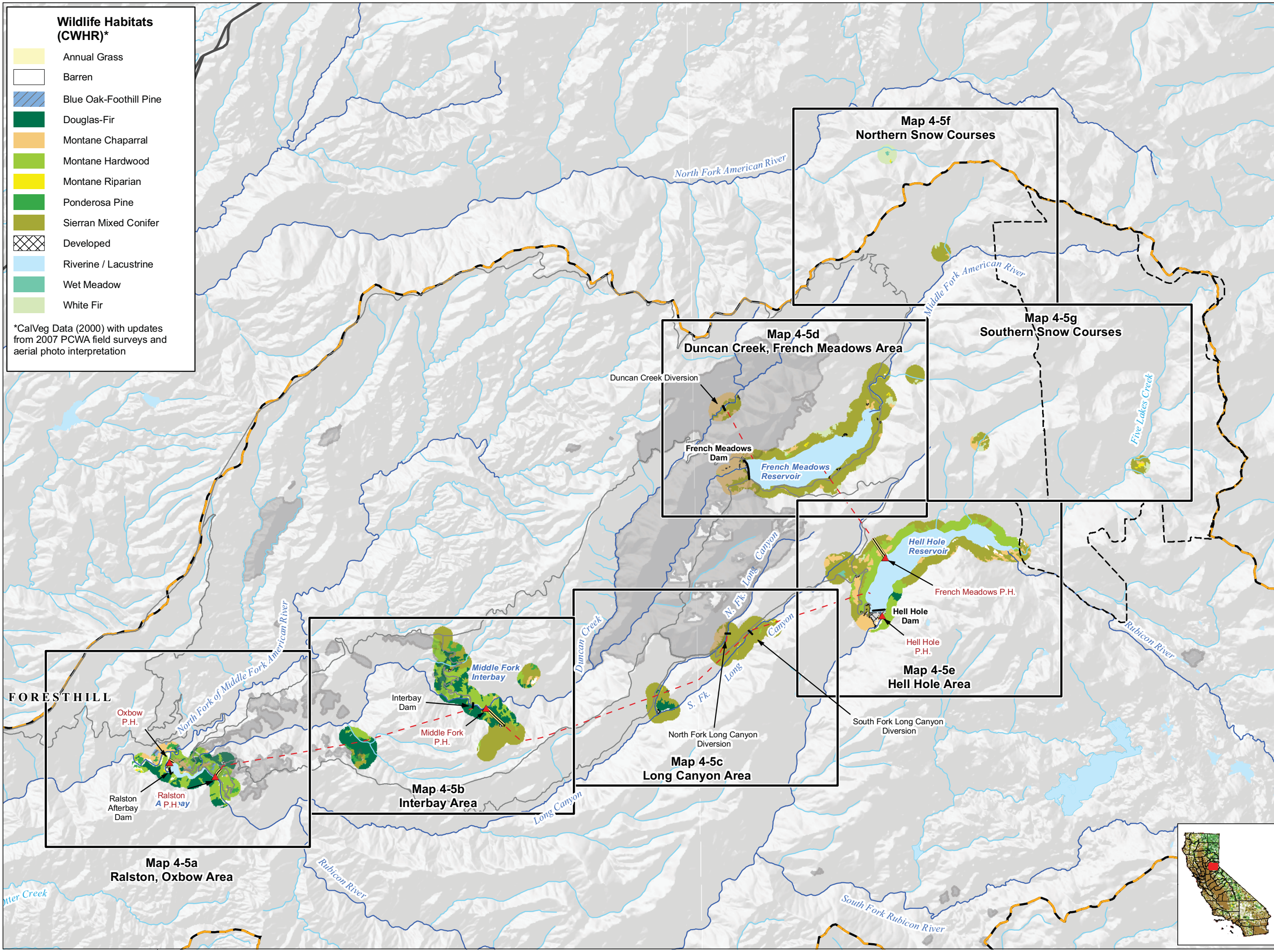
*Modified from Calwater Ver. 2.2 to represent drainage above high-water mark of Folsom Lake

Designated Boundary

- Wilderness Area

Fire History

- Areas Burned Since 2000



FOREST HILL

**Map 4-5a
Ralston, Oxbow Area**

**Map 4-5b
Interbay Area**

**Map 4-5c
Long Canyon Area**

**Map 4-5d
Duncan Creek, French Meadows Area**

**Map 4-5f
Northern Snow Courses**

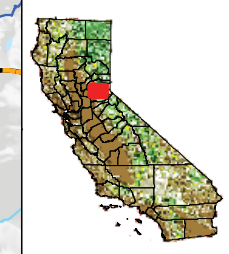
**Map 4-5g
Southern Snow Courses**

**Map 4-5e
Hell Hole Area**

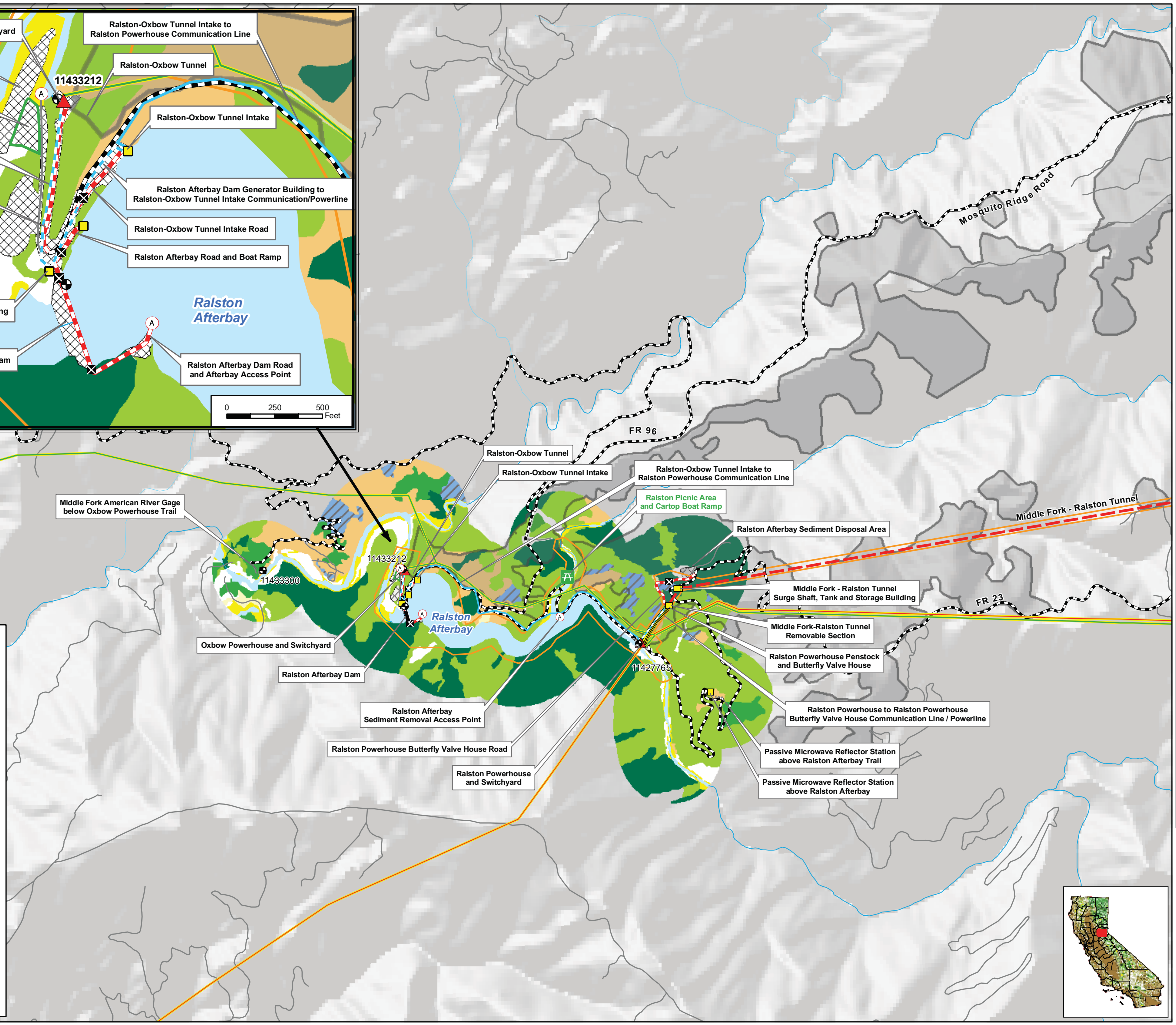
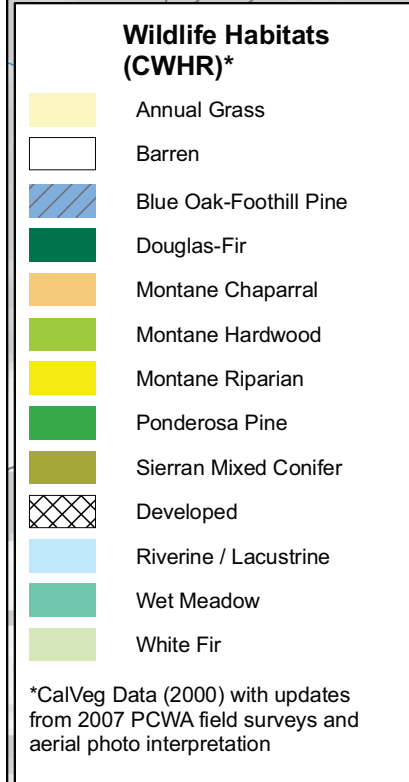


Placer County Water Agency
Middle Fork American River Project

**Map TERR 4-5
CWHR Habitats within the
TERR 4 Study Area
Overview Map**



0 0.5 1 2 Miles
 Projection: CA State Plane, Zone 2
 Datum: NAD 83
 Date: 10/28/08



PCWA Facilities and Features

- Dam
- Ancillary and Other Facilities
- Powerhouse
- Gage
- Penstock
- Tunnel
- Pipeline
- Gate
- Access Point
- Public Safety Fence
- FERC Boundary

Project Power and Communication Lines:

- Communication
- Power
- Power (underground)
- Communication/Power
- Communication/Power (underground)

Transportation

- Non-Project General Access Road
- Project Road
- Project Trail
- Recreation Access Road
- Other Road

Project Recreation Facilities

- Picnic Area
- Boat Ramp
- Scenic Viewpoint
- Developed Campground
- Water Supply Line

Other Facilities

PG & E Transmission Lines:

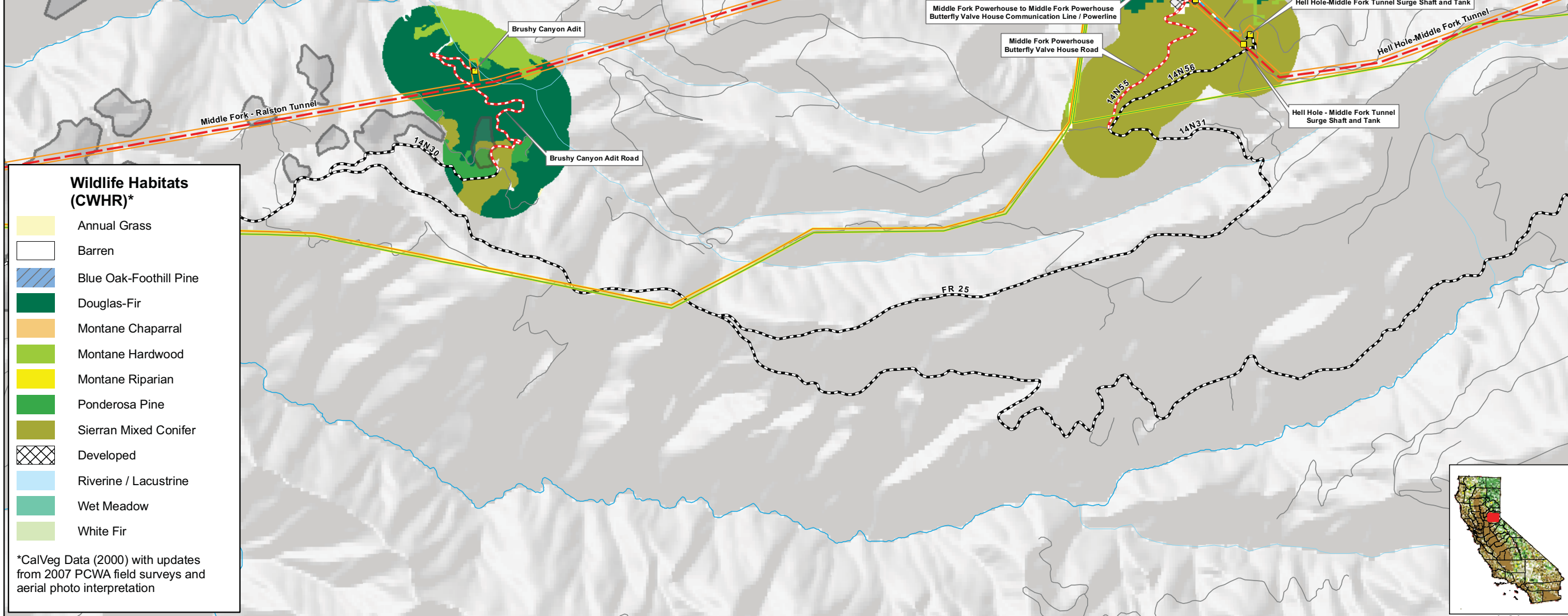
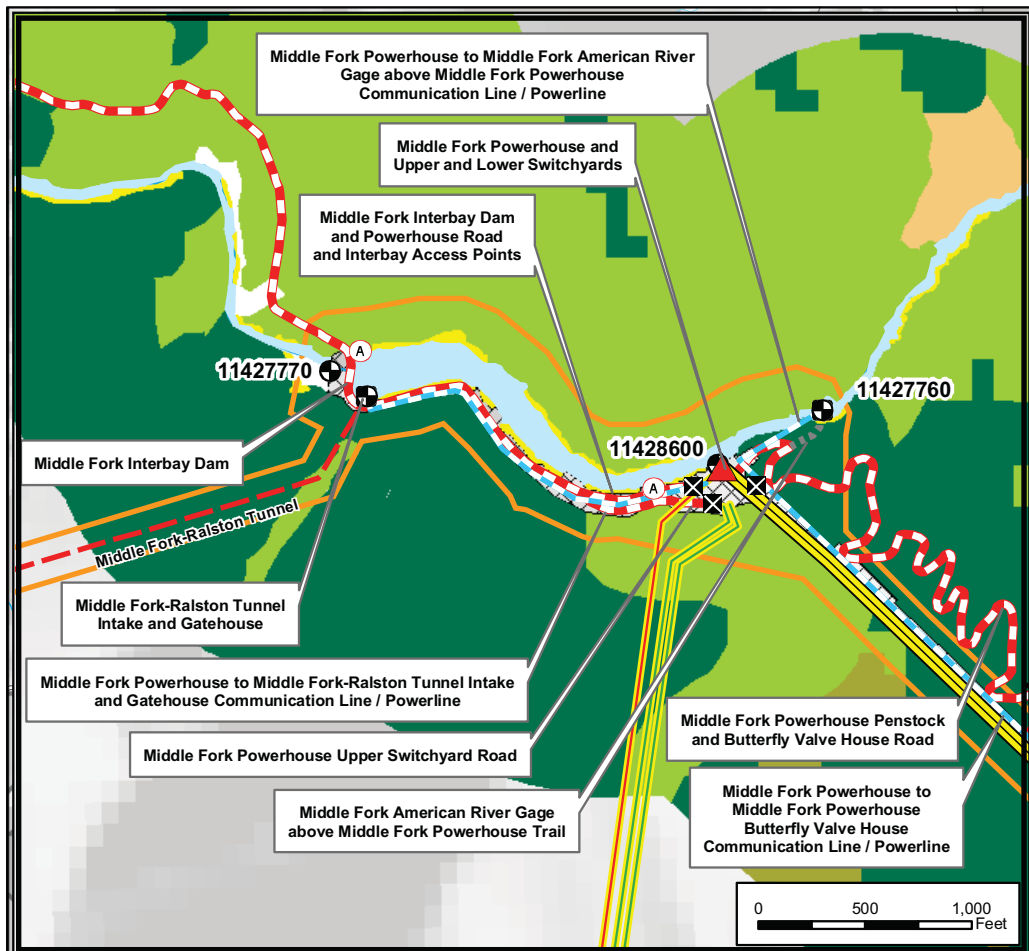
- 230 kV
- 60 kV

Fire History

- Areas Burned Since 2000

PCWA
Placer County Water Agency
Middle Fork American River Project
Map TERR 4-5a
CWHR Habitats within the
TERR 4 Study Area
Ralston, Oxbow Area

0 0.25 0.5 Miles
Projection: Ca. Stateplane, Zone 2
Datum: NAD 83
Date: 10/28/08



Wildlife Habitats (CWHR)*

- Annual Grass
- Barren
- Blue Oak-Foothill Pine
- Douglas-Fir
- Montane Chaparral
- Montane Hardwood
- Montane Riparian
- Ponderosa Pine
- Sierran Mixed Conifer
- Developed
- Riverine / Lacustrine
- Wet Meadow
- White Fir

*CalVeg Data (2000) with updates from 2007 PCWA field surveys and aerial photo interpretation

PCWA Facilities and Features

- Dam
- Ancillary and Other Facilities
- Powerhouse
- Gage
- Penstock
- Tunnel
- Pipeline
- Gate
- Access Point
- Public Safety Fence
- FERC Boundary

Project Power and Communication Lines:

- Communication
- Power
- Power (underground)
- Communication/Power
- Communication/Power (underground)

Transportation

- Non-Project General Access Road
- Project Road
- Project Trail
- Recreation Access Road
- Other Road

Project Recreation Facilities

- Picnic Area
- Boat Ramp
- Scenic Viewpoint
- Developed Campground
- Water Supply Line

Other Facilities

PG & E Transmission Lines:

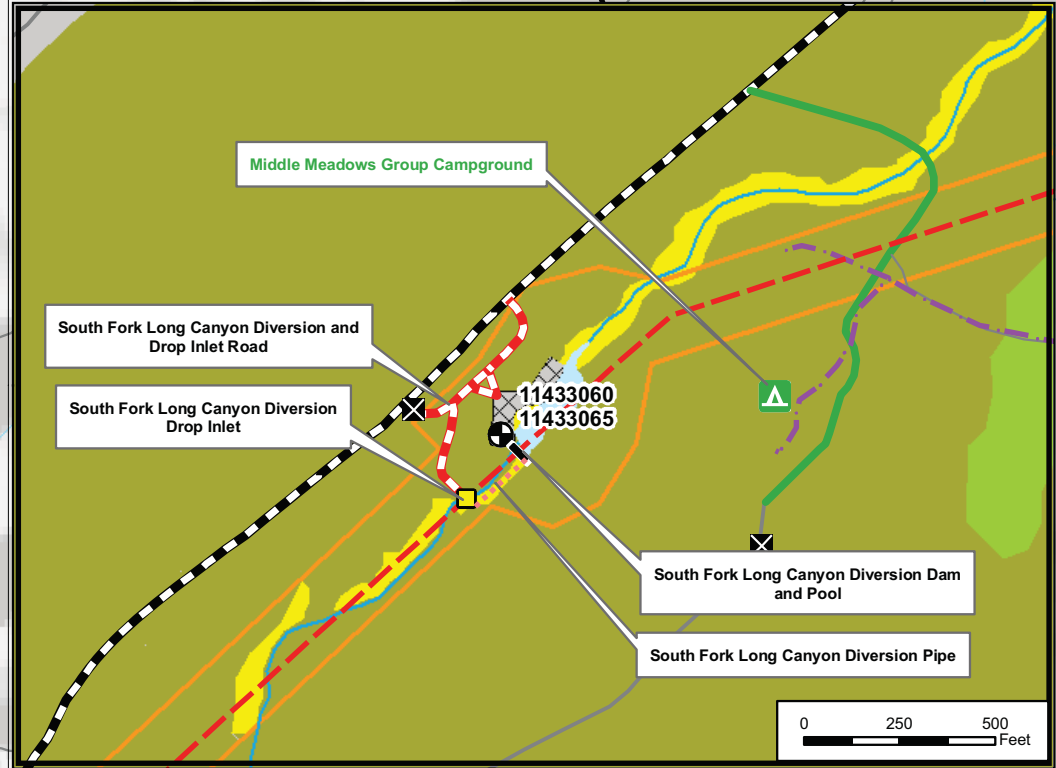
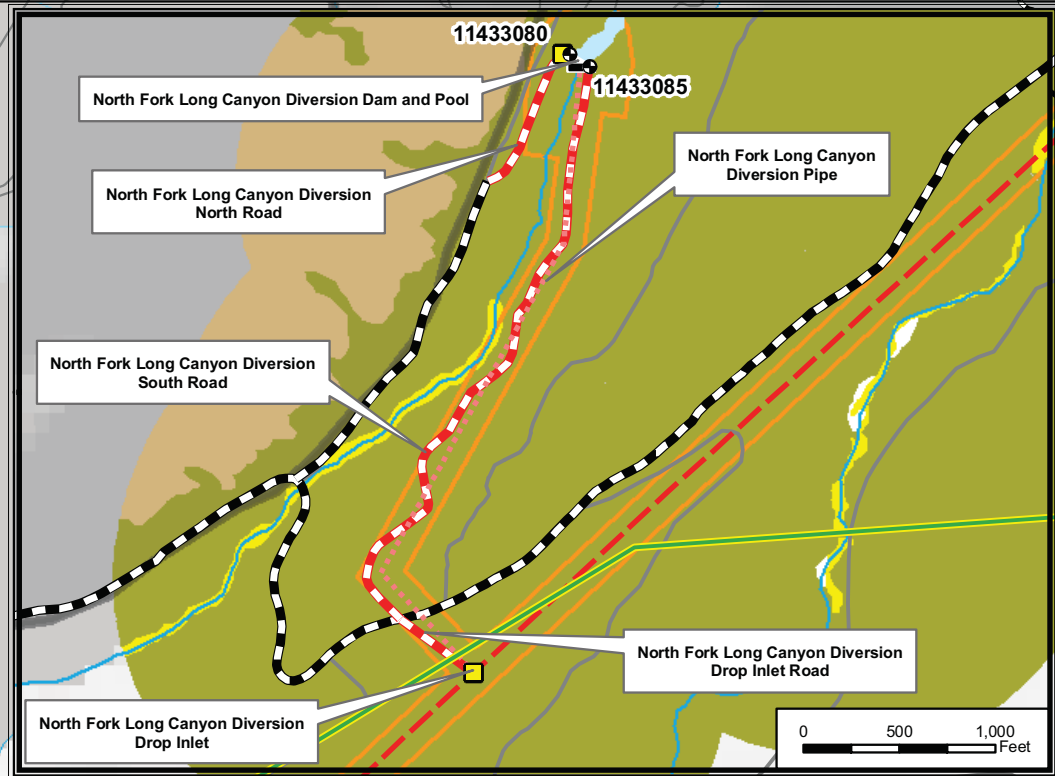
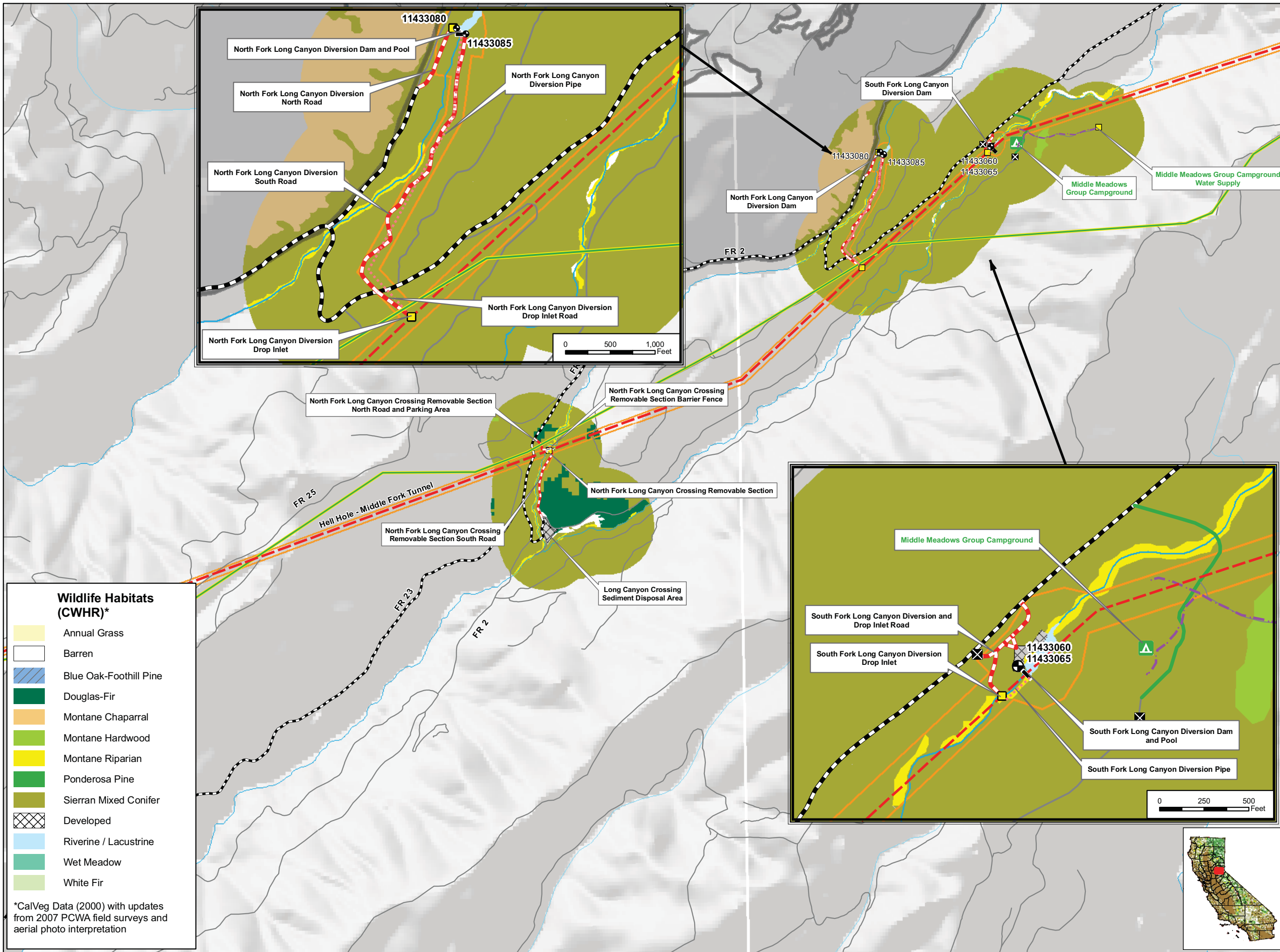
- 230 kV
- 60 kV

Fire History

- Areas Burned Since 2000

Placer County Water Agency
Middle Fork American River Project
Map TERR 4-5b
CWHR Habitats within the TERR 4 Study Area
Interbay Area

Scale: 0 0.25 0.5 Miles
Projection: Ca. Stateplane, Zone 2
Datum: NAD 83
Date: 10/28/08



Wildlife Habitats (CWHR)*

- Annual Grass
- Barren
- Blue Oak-Foothill Pine
- Douglas-Fir
- Montane Chaparral
- Montane Hardwood
- Montane Riparian
- Ponderosa Pine
- Sierran Mixed Conifer
- Developed
- Riverine / Lacustrine
- Wet Meadow
- White Fir

*CalVeg Data (2000) with updates from 2007 PCWA field surveys and aerial photo interpretation

PCWA Facilities and Features

- Dam
- Ancillary and Other Facilities
- Powerhouse
- Gage
- Penstock
- Tunnel
- Pipeline
- Gate
- A Access Point
- Public Safety Fence
- FERC Boundary

Project Power and Communication Lines:

- Communication
- Power
- Power (underground)
- Communication/Power
- Communication/Power (underground)

Transportation

- Non-Project General Access Road
- Project Road
- Project Trail
- Recreation Access Road
- Other Road

Project Recreation Facilities

- A Picnic Area
- B Boat Ramp
- C Scenic Viewpoint
- D Developed Campground
- Water Supply Line


Other Facilities

PG & E Transmission Lines:

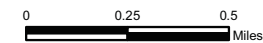
- 230 kV
- 60 kV

Fire History

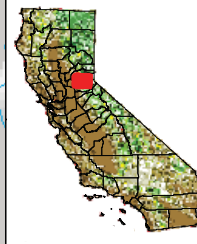
- Areas Burned Since 2000



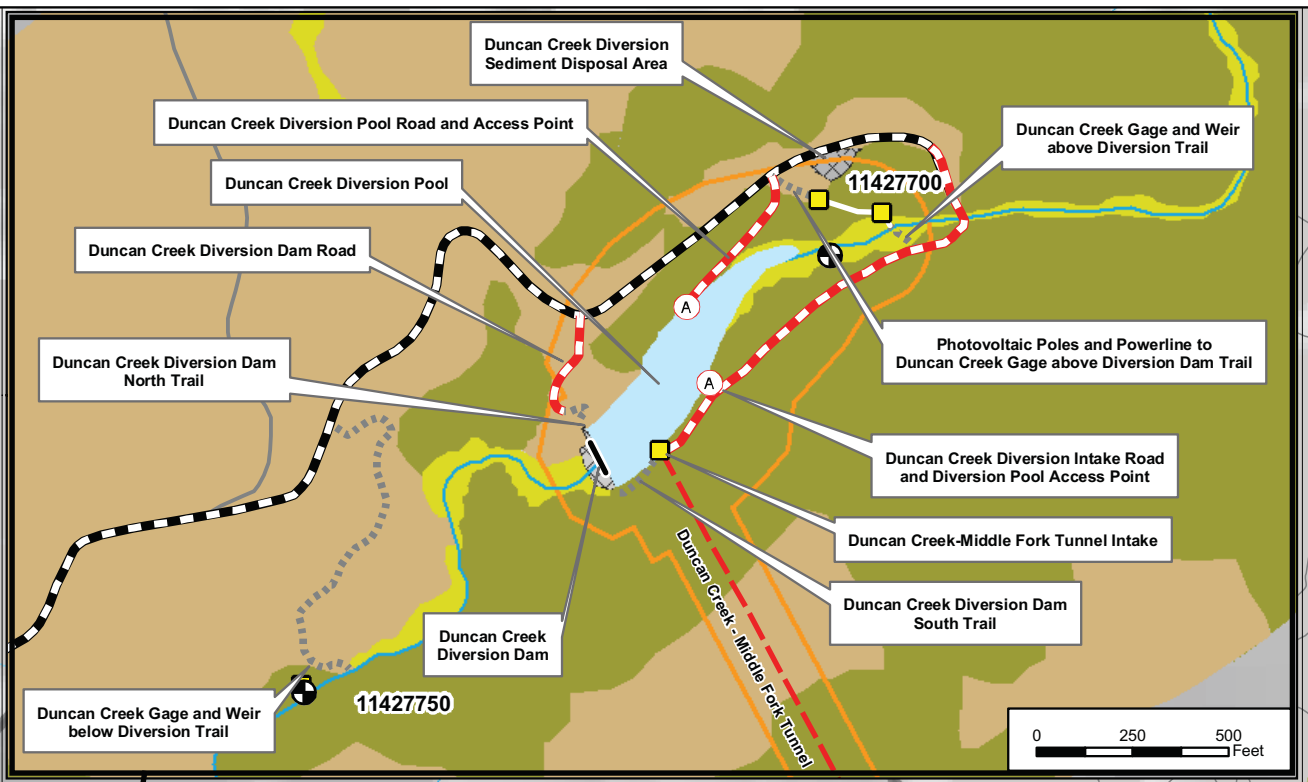
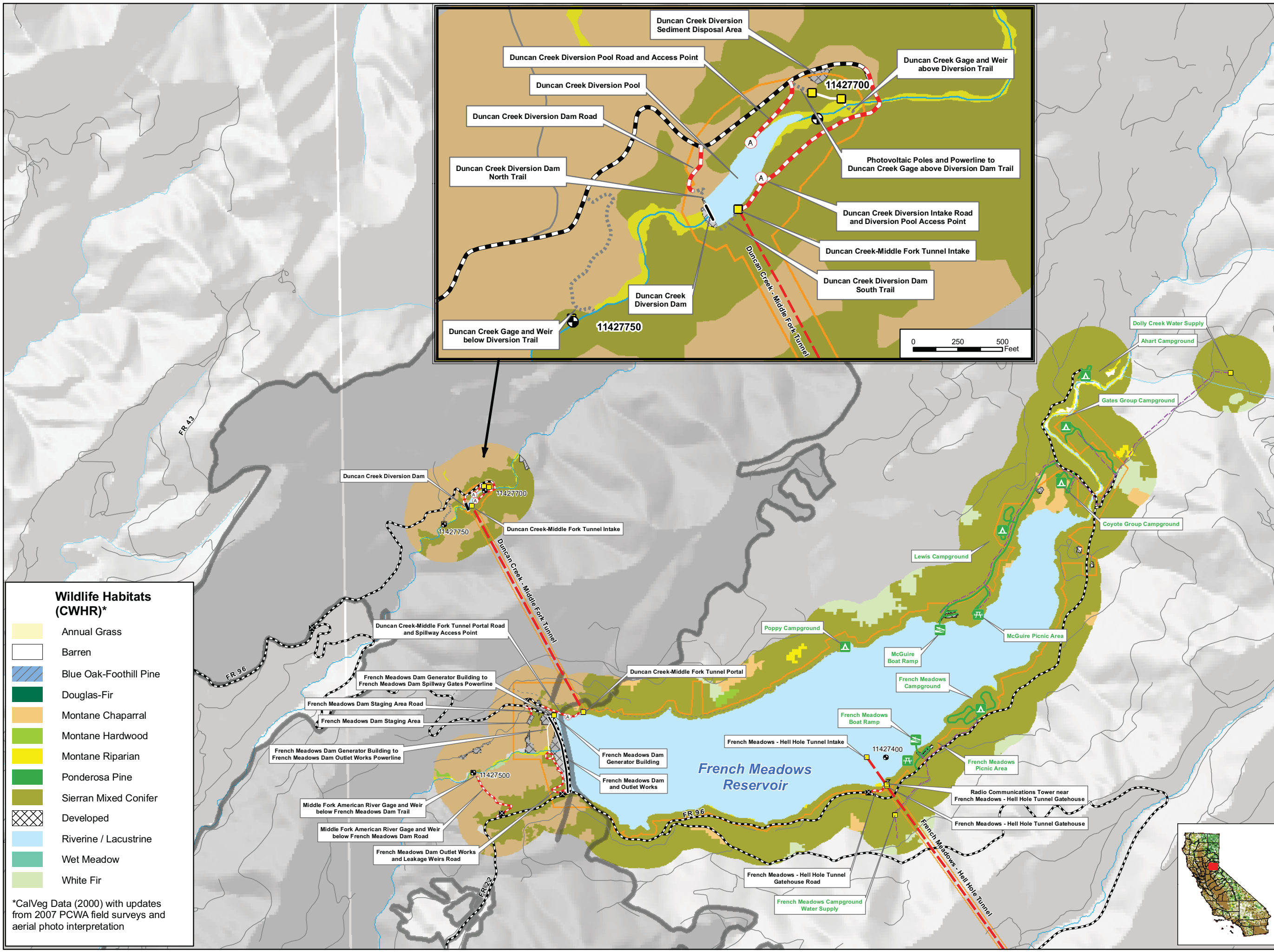
Placer County Water Agency
Middle Fork American River Project
Map TERR 4-5c
CWHR Habitats within the TERR 4 Study Area
Long Canyon Area



Projection: Ca. Stateplane, Zone 2
Datum: NAD 83



Date: 10/28/08



Wildlife Habitats (CWHR)*

- Annual Grass
- Barren
- Blue Oak-Foothill Pine
- Douglas-Fir
- Montane Chaparral
- Montane Hardwood
- Montane Riparian
- Ponderosa Pine
- Sierran Mixed Conifer
- Developed
- Riverine / Lacustrine
- Wet Meadow
- White Fir

*CalVeg Data (2000) with updates from 2007 PCWA field surveys and aerial photo interpretation

PCWA Facilities and Features

- Dam
- Ancillary and Other Facilities
- Powerhouse
- Gage
- Penstock
- Tunnel
- Pipeline
- A Access Point
- Public Safety Fence
- FERC Boundary

Project Power and Communication Lines:

- Communication
- Power
- Power (underground)
- Communication/Power
- Communication/Power (underground)

Transportation

- Non-Project General Access Road
- Project Road
- Project Trail
- Recreation Access Road
- Other Road

Project Recreation Facilities

- A Picnic Area
- B Boat Ramp
- C Scenic Viewpoint
- D Developed Campground
- Water Supply Line


Other Facilities

PG & E Transmission Lines:

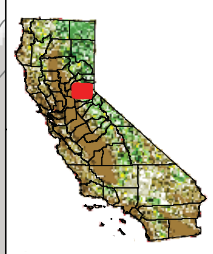
- 230 kV
- 60 kV

Fire History

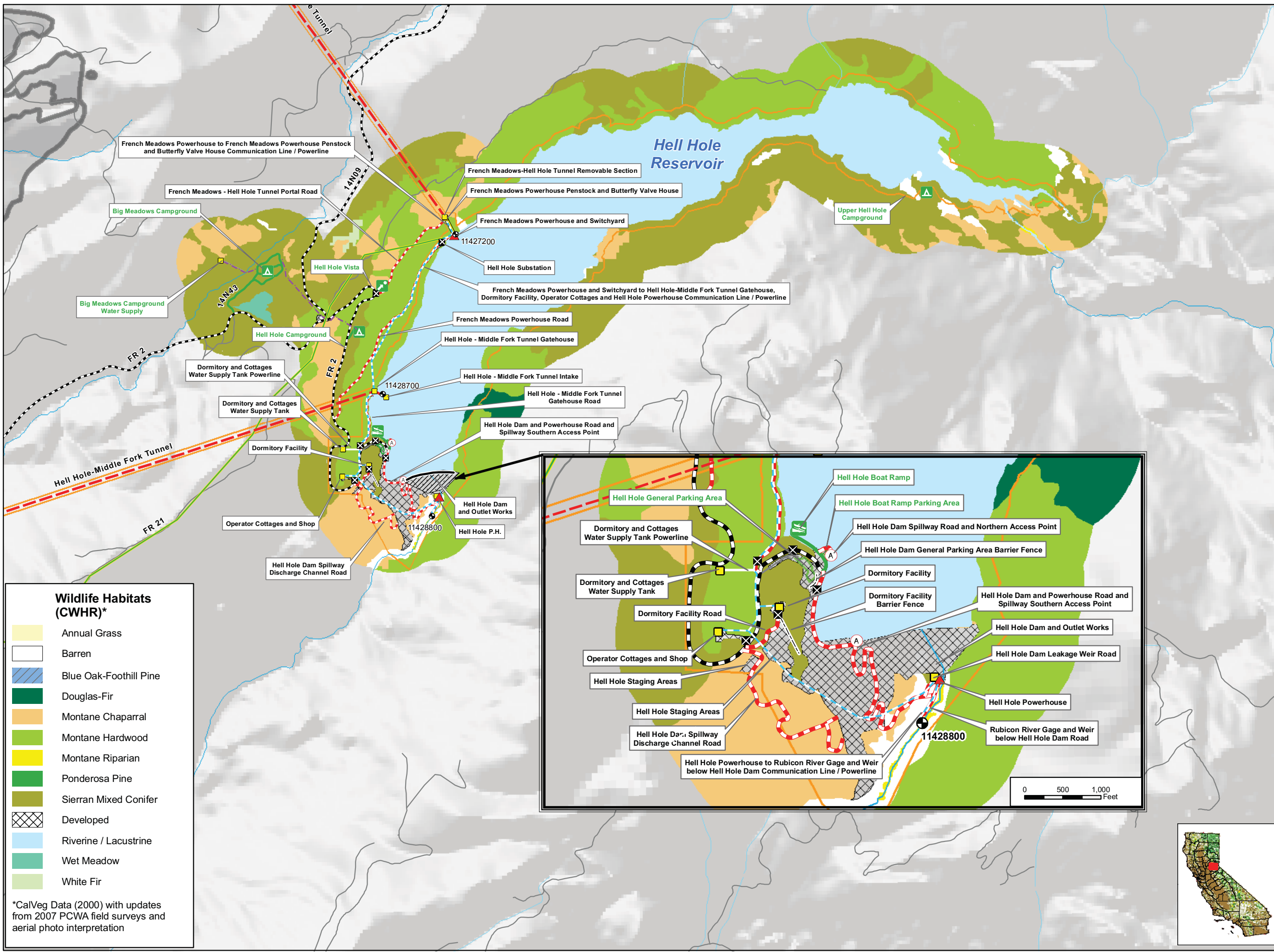
- Areas Burned Since 2000



Placer County Water Agency
Middle Fork American River Project
Map TERR 4-5d
CWHR Habitats within the TERR 4 Study Area
Duncan Creek, French Meadows Area



0 0.25 0.5 Miles
Projection: Ca. Stateplane, Zone 2
Datum: NAD 83
Date: 10/28/08



Wildlife Habitats (CWHR)*

- Annual Grass
- Barren
- Blue Oak-Foothill Pine
- Douglas-Fir
- Montane Chaparral
- Montane Hardwood
- Montane Riparian
- Ponderosa Pine
- Sierran Mixed Conifer
- Developed
- Riverine / Lacustrine
- Wet Meadow
- White Fir

*CalVeg Data (2000) with updates from 2007 PCWA field surveys and aerial photo interpretation

PCWA Facilities and Features

- Dam
- Ancillary and Other Facilities
- Powerhouse
- Gage
- Penstock
- Tunnel
- Pipeline
- X Gate
- A Access Point
- Public Safety Fence
- FERC Boundary

Project Power and Communication Lines:

- Communication
- Power
- Power (underground)
- Communication/Power
- Communication/Power (underground)

Transportation

- Non-Project General Access Road
- Project Road
- Project Trail
- Recreation Access Road
- Other Road

Project Recreation Facilities

- A Picnic Area
- B Boat Ramp
- C Scenic Viewpoint
- D Developed Campground
- Water Supply Line


Other Facilities

PG & E Transmission Lines:

- 230 kV
- 60 kV

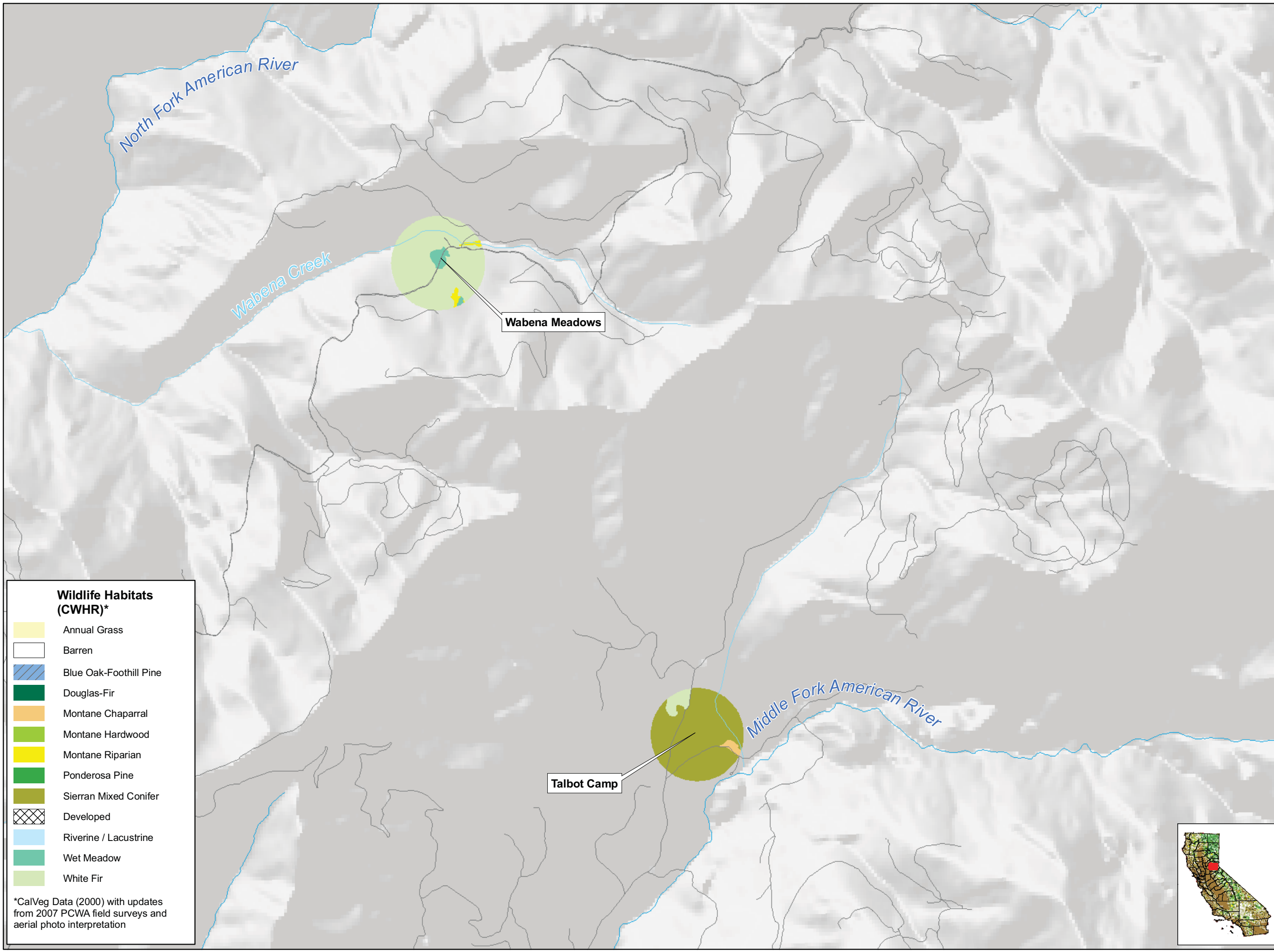
Fire History

- Areas Burned Since 2000



Placer County Water Agency
Middle Fork American River Project
Map TERR 4-5e
CWHR Habitats within the TERR 4 Study Area
Hell Hole Area

0 0.25 0.5 Miles
Projection: Ca. Stateplane, Zone 2
Datum: NAD 83
Date: 10/28/08



Wildlife Habitats (CWHR)*

- Annual Grass
- Barren
- Blue Oak-Foothill Pine
- Douglas-Fir
- Montane Chaparral
- Montane Hardwood
- Montane Riparian
- Ponderosa Pine
- Sierran Mixed Conifer
- Developed
- Riverine / Lacustrine
- Wet Meadow
- White Fir

*CalVeg Data (2000) with updates from 2007 PCWA field surveys and aerial photo interpretation

PCWA Facilities and Features

- Dam
- Ancillary and Other Facilities
- Powerhouse
- Gage
- Penstock
- Tunnel
- Pipeline
- X Gate
- A Access Point
- Public Safety Fence
- FERC Boundary

Project Power and Communication Lines:

- Communication
- Power
- Power (underground)
- Communication/Power
- Communication/Power (underground)

Transportation

- Non-Project General Access Road
- Project Road
- Project Trail
- Recreation Access Road
- Other Road

Project Recreation Facilities

- Picnic Area
- Boat Ramp
- Scenic Viewpoint
- Developed Campground
- Water Supply Line

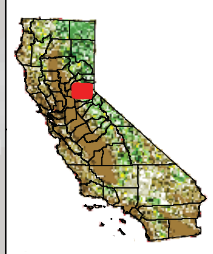
Other Facilities

PG & E Transmission Lines:

- 230 kV
- 60 kV

Fire History

- Areas Burned Since 2000



PCWA

Placer County Water Agency
Middle Fork American River Project

Map TERR 4-5f







**CWHR Habitats within the
TERR 4 Study Area**

Northern Snow Courses

Date: 10/28/08






























Projection: Ca. Stateplane, Zone 2
Datum: NAD 83

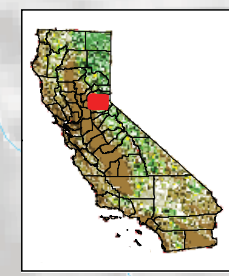
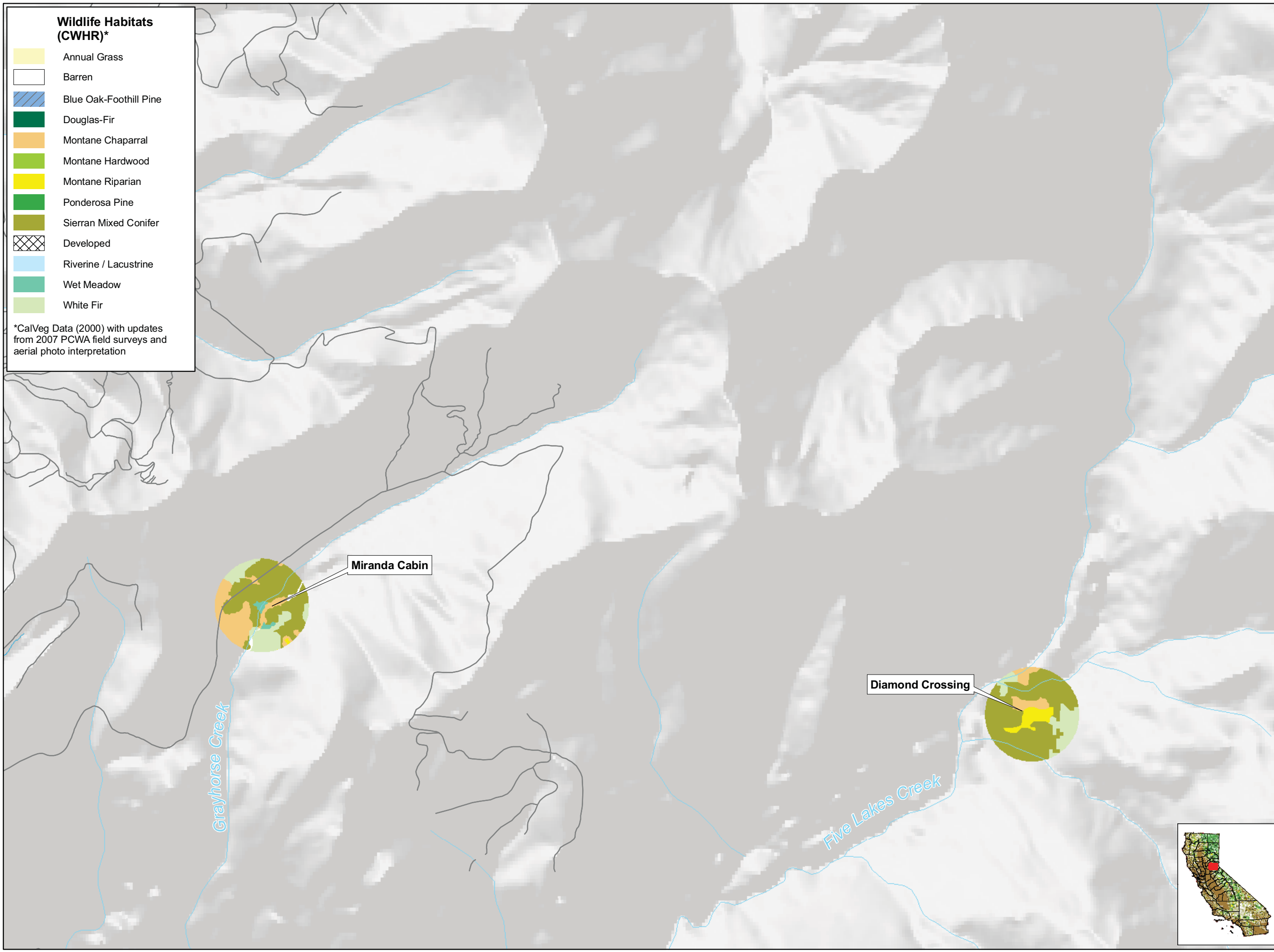
Wildlife Habitats (CWHR)*

-  Annual Grass
-  Barren
-  Blue Oak-Foothill Pine
-  Douglas-Fir
-  Montane Chaparral
-  Montane Hardwood
-  Montane Riparian
-  Ponderosa Pine
-  Sierran Mixed Conifer
-  Developed
-  Riverine / Lacustrine
-  Wet Meadow
-  White Fir

*CalVeg Data (2000) with updates from 2007 PCWA field surveys and aerial photo interpretation

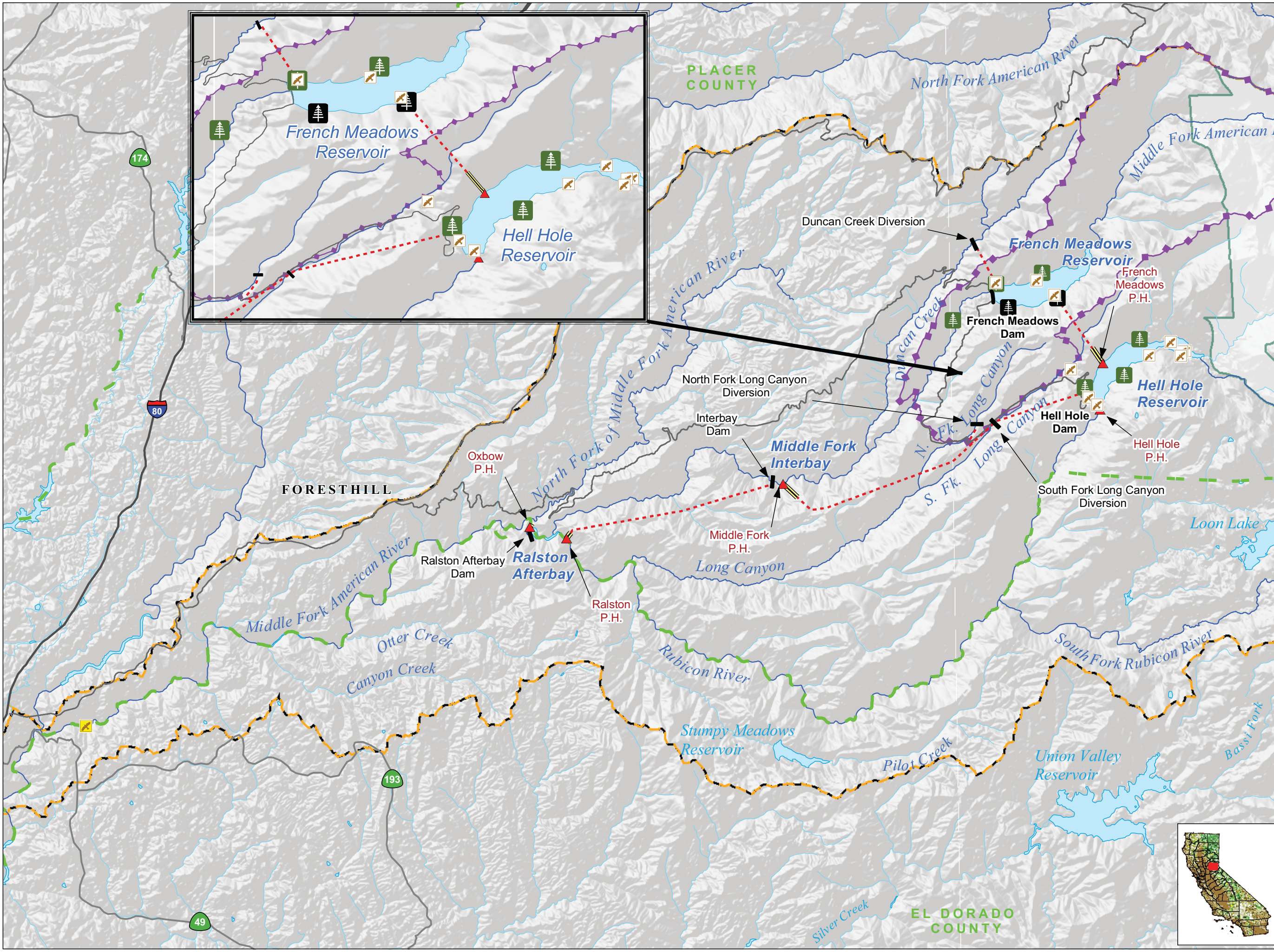
PCWA Facilities and Features

-  Dam
-  Ancillary and Other Facilities
-  Powerhouse
-  Gage
-  Penstock
-  Tunnel
-  Pipeline
-  Gate
-  Access Point
-  Public Safety Fence
-  FERC Boundary
- Project Power and Communication Lines:**
-  Communication
-  Power
-  Power (underground)
-  Communication/Power
-  Communication/Power (underground)
- Transportation**
-  Non-Project General Access Road
-  Project Road
-  Project Trail
-  Recreation Access Road
-  Other Road
- Project Recreation Facilities**
-  Picnic Area
-  Boat Ramp
-  Scenic Viewpoint
-  Developed Campground
-  Water Supply Line
- Other Facilities**
- PG & E Transmission Lines:**
-  230 kV
-  60 kV
- Fire History**
-  Areas Burned Since 2000



Placer County Water Agency
 Middle Fork American River Project
Map TERR 4-5g
CWHR Habitats within the
TERR 4 Study Area
 Southern Snow Courses

0 0.25 0.5 Miles
 Projection: Ca. Stateplane, Zone 2
 Datum: NAD 83
 Date: 10/28/08



Legend

- ▲ Powerhouse
- Dam
- Tunnel
- == Penstock

Transportation

- Major Road
- Minor Road

Hydrography

- Watercourse
- Water Body
- ▭ Middle Fork American River Watershed*

Designated Boundary

- County Boundary
- ▭ Wilderness Area
- ▭ State Game Refuge

Osprey Data

PCWA Osprey Surveys (2007-2008)

- Sighting
- Nest

Other Documented Occurences

- Sighting
- Nest

PCWA
Placer County Water Agency
Middle Fork American River Project

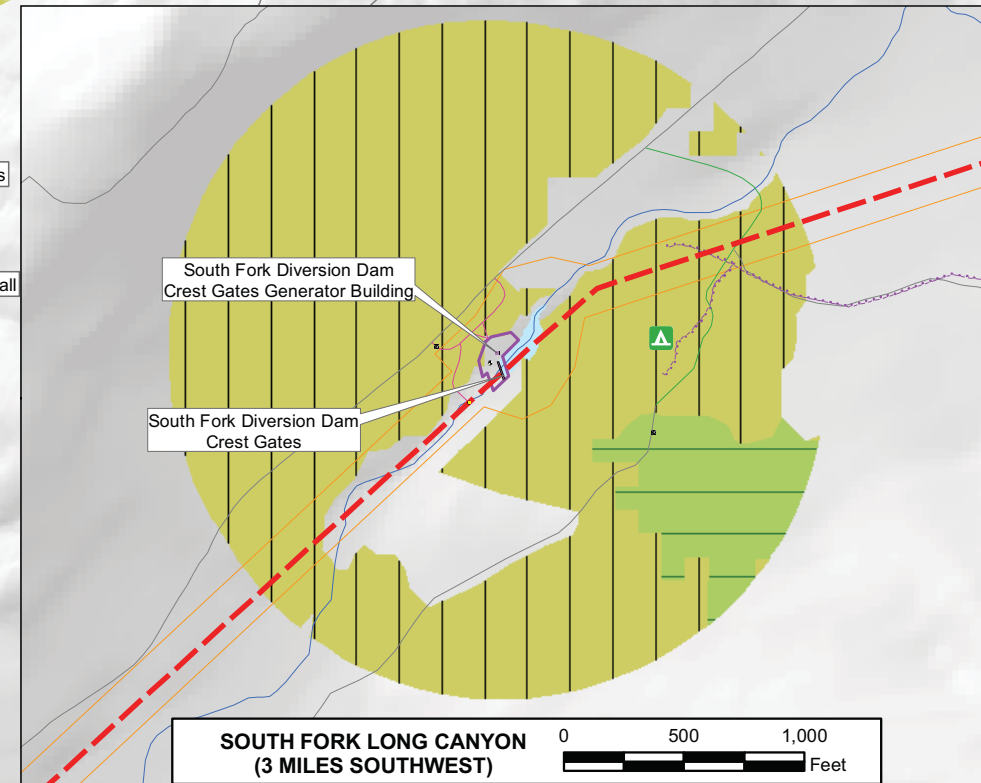
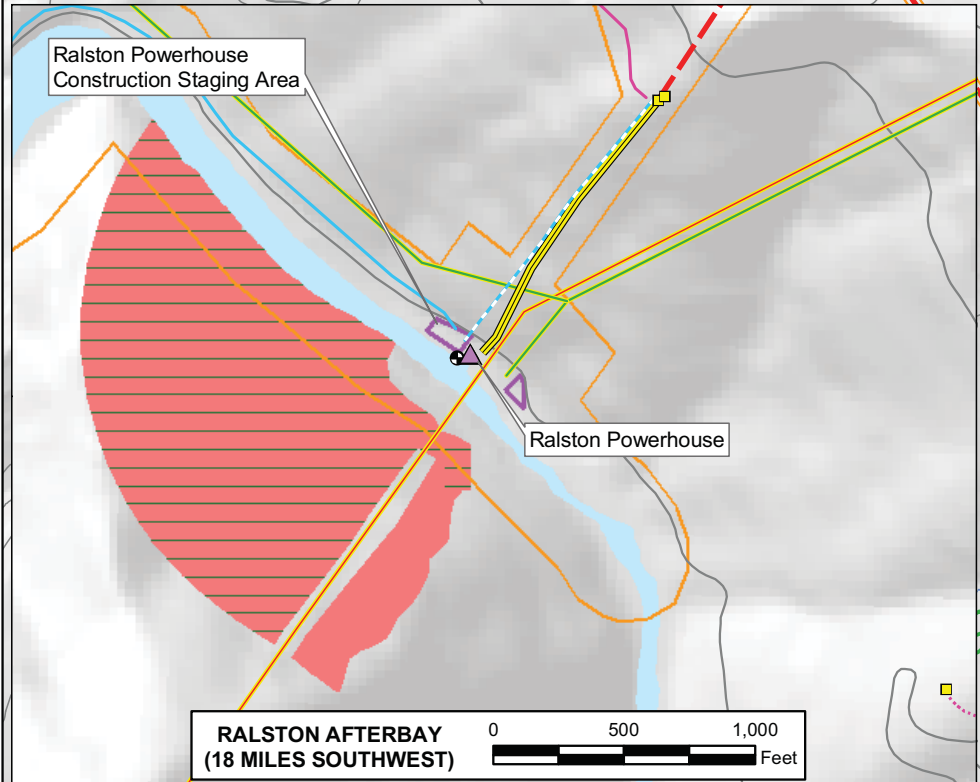
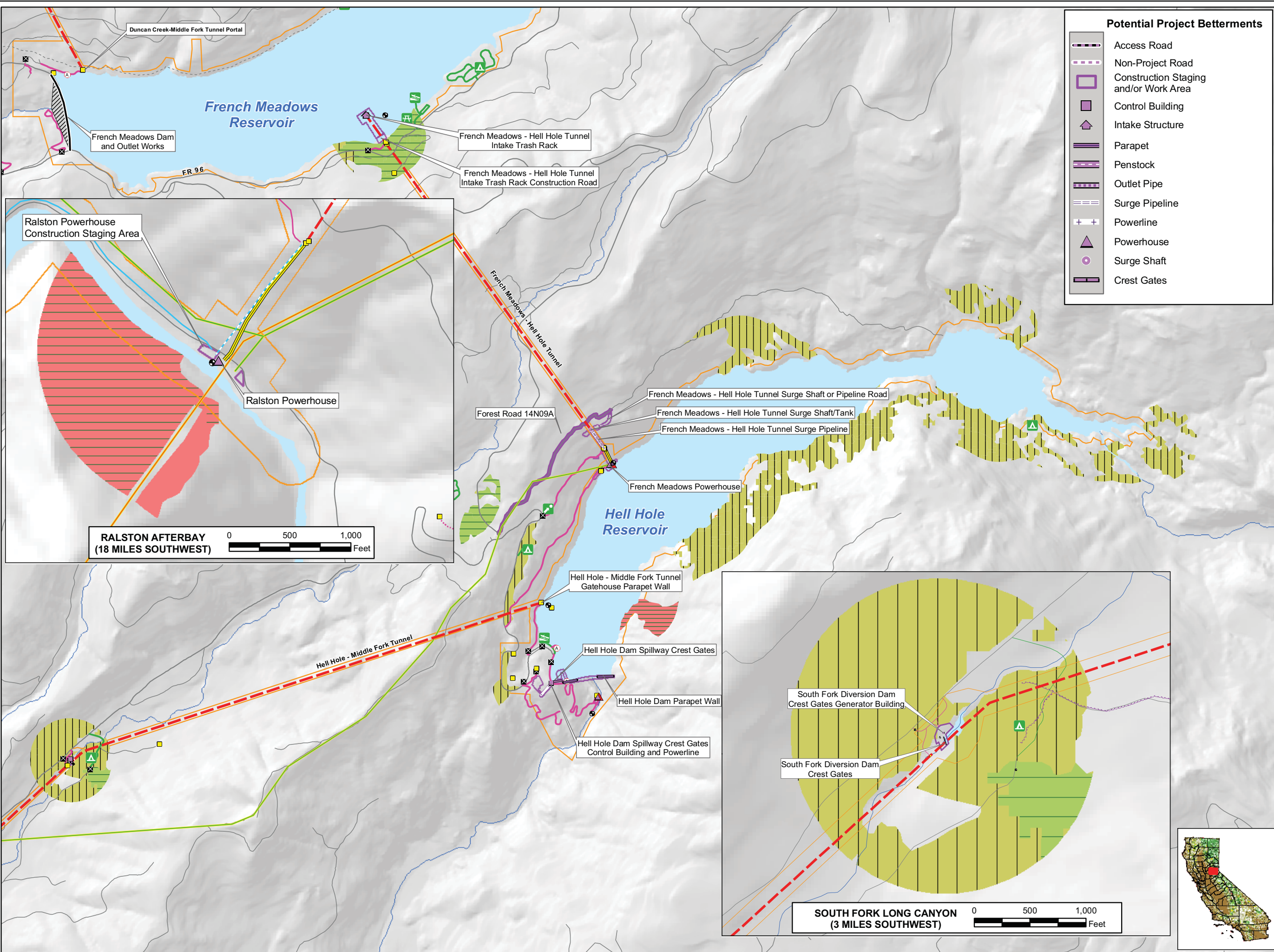
Map TERR4-6

Osprey in the Study Area

0 1 2 3
Miles

Projection: CA State Plane, Zone 2
Datum: NAD 83

Date: 10/28/08



Potential Project Betterments

- Access Road
- Non-Project Road
- Construction Staging and/or Work Area
- Control Building
- Intake Structure
- Parapet
- Penstock
- Outlet Pipe
- Surge Pipeline
- Powerline
- Powerhouse
- Surge Shaft
- Crest Gates

PCWA Facilities and Features

- Dam
- Ancillary and Other Facilities
- Powerhouse
- Gage
- Penstock
- Tunnel
- Gate
- Access Point
- FERC Boundary

Transportation

- Road
- Project Road
- Project Trail
- Recreation Access Road

Project Recreation Facilities

- Picnic Area
- Boat Ramp
- Scenic Viewpoint
- Developed Campground

Other Facilities

PG & E Transmission Lines:

- 230 kV
- 60 kV

Goshawk Habitat*

Dense or Extremely Dense Areas of the Following Vegetation Community Types:

- Douglas-Fir - Pine (DP)
- Mixed Conifer - Fir (MF)
- Mixed Conifer - Pine (MP)
- Pacific Douglas-Fir (DF)
- Ponderosa Pine (PP)
- White Fir (WF)

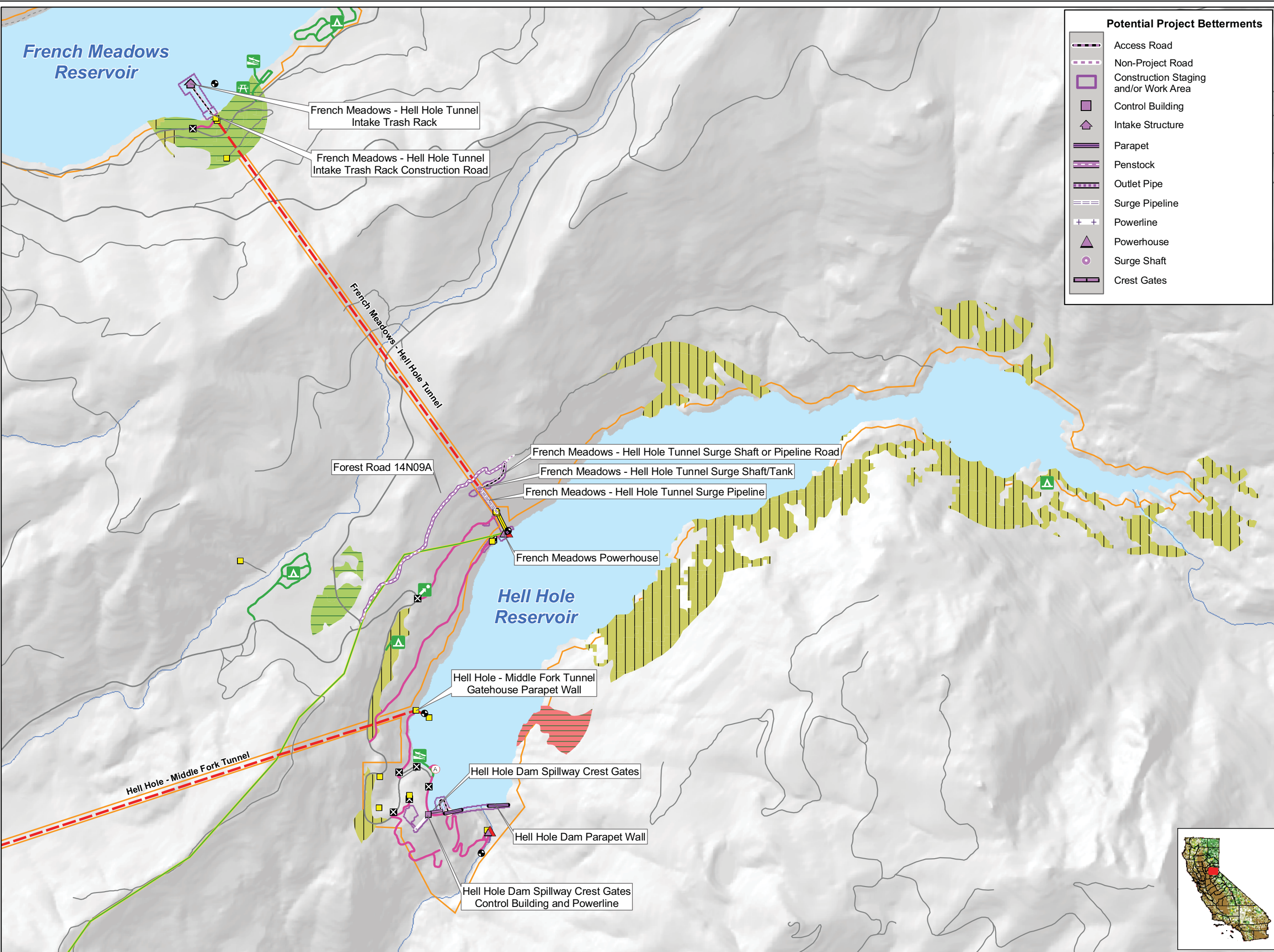
*CalVeg Data (2000) with updates from 2007
 PCWA field surveys and aerial photo interpretation

Placer County Water Agency
 Middle Fork American River Project

Map TERR 4-7a

Initial Goshawk Habitat Survey Area

0 0.25 0.5 Miles
 Projection: Ca. Stateplane, Zone 2
 Datum: NAD 83
 Date: 10/30/08



Potential Project Betterments

- Access Road
- Non-Project Road
- Construction Staging and/or Work Area
- Control Building
- Intake Structure
- Parapet
- Penstock
- Outlet Pipe
- Surge Pipeline
- Powerline
- Powerhouse
- Surge Shaft
- Crest Gates

PCWA Facilities and Features

- Dam
- Ancillary and Other Facilities
- Powerhouse
- Gage
- Penstock
- Tunnel
- Gate
- Access Point
- FERC Boundary

Transportation

- Road
- Project Road
- Project Trail
- Recreation Access Road

Project Recreation Facilities

- Picnic Area
- Boat Ramp
- Scenic Viewpoint
- Developed Campground

Other Facilities

PG & E Transmission Lines:

- 230 kV
- 60 kV

Goshawk Habitat*
Dense or Extremely Dense Areas of the Following Vegetation Community Types:

- Douglas-Fir - Pine (DP)
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- Mixed Conifer - Pine (MP)
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- White Fir (WF)

*CalVeg Data (2000) with updates from 2007
 PCWA field surveys and aerial photo interpretation

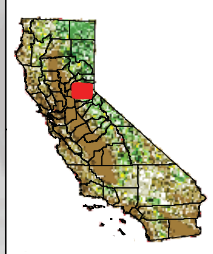
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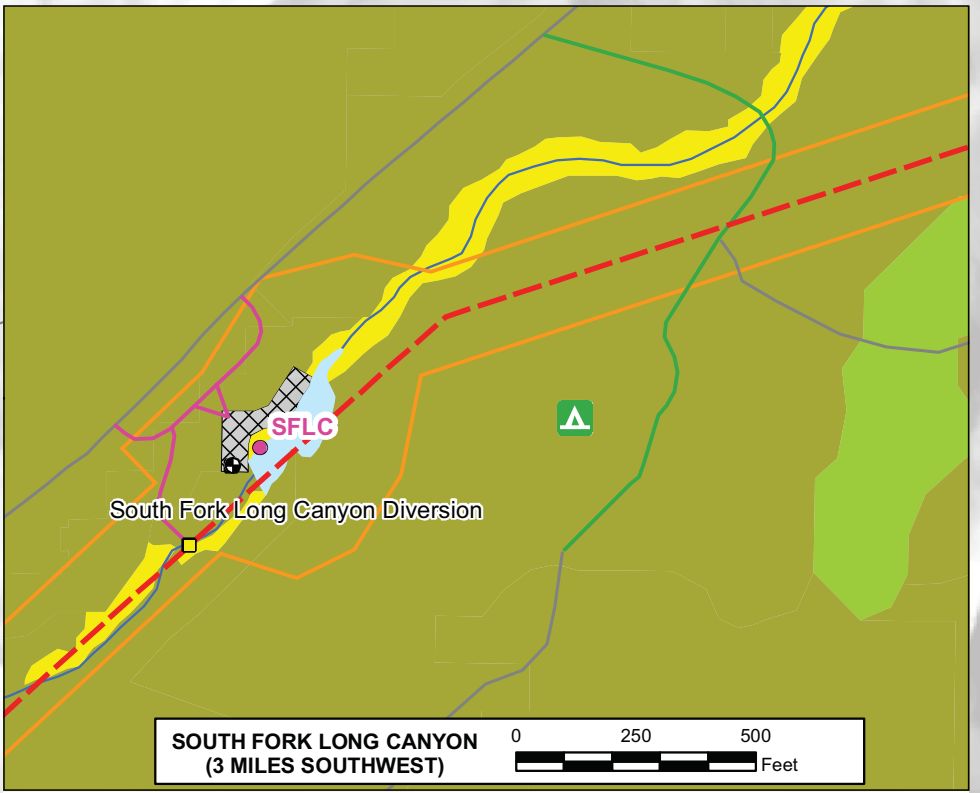
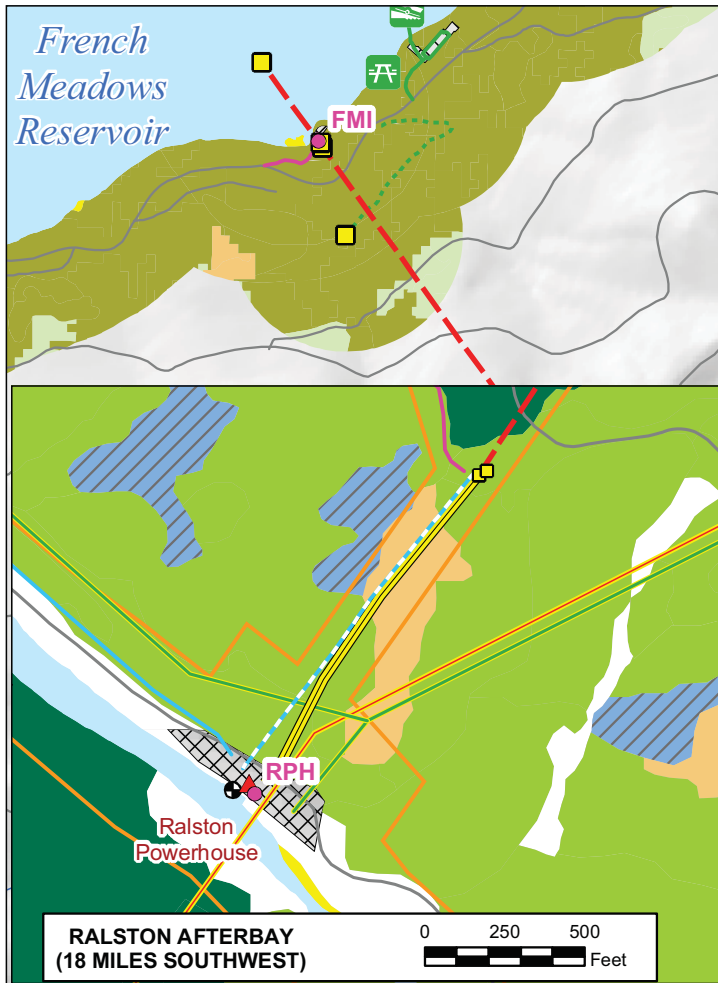
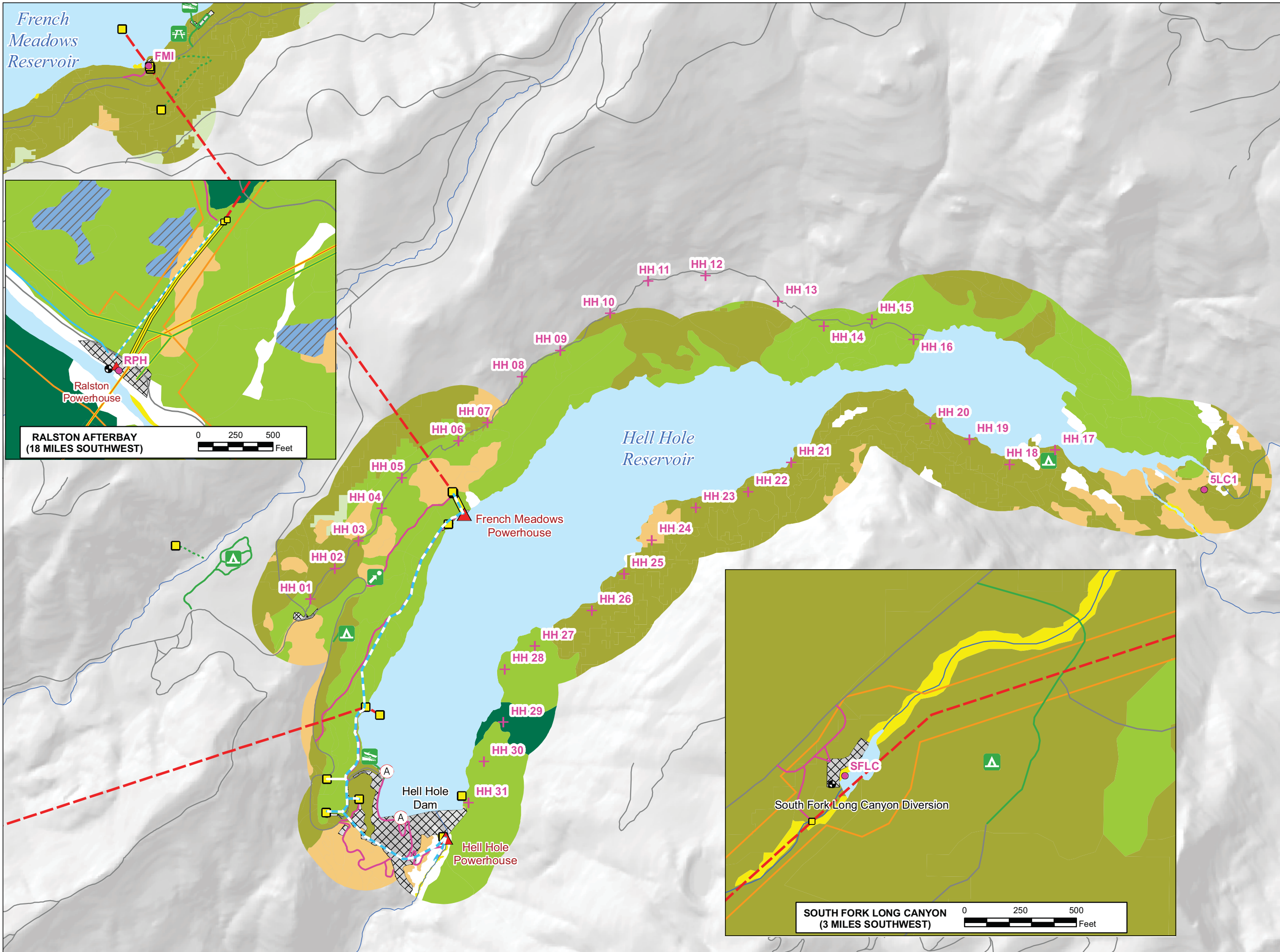
Map TERR 4-7b

Final Goshawk Habitat Survey Area

Projection: Ca. Stateplane, Zone 2
 Datum: NAD 83

Date: 10/30/08





- PCWA Facilities and Features**
- Ancillary and Other Facilities
 - Powerhouse
 - Gage
 - Penstock
 - Tunnel
 - Access Point
- Power / Com Lines:**
- Communication
 - Power
 - Power (underground)
 - Communication/Power
 - Communication/Power (underground)
- Transportation**
- Road
 - Project Road
 - Project Trail
 - Recreation Access Road
 - Rec Facility Water Supply Access Road or Trail
- Project Recreation Facilities**
- Picnic Area
 - Boat Ramp
 - Scenic Viewpoint
 - Developed Campground
- 2008 Avian Survey**
- Point Count Location
 - Area Search Location
- Wildlife Habitats (CWHR)***
- Barren
 - Douglas-Fir
 - Montane Chaparral
 - Montane Hardwood
 - Montane Riparian
 - Sierran Mixed Conifer
 - Urban
 - Water
 - White Fir

*CalVeg Data (2000) with updates from 2007 PCWA field surveys and aerial photo interpretation

PCWA
Placer County Water Agency
Middle Fork American River Project

Map TERR 4-8

2008 Avian Point Count and Area Search Locations

Date: 10/28/08




Projection: Ca. Stateplane, Zone 2
Datum: NAD 83

PCWA Surveys and Incidental Observations:


-  American white pelican
-  Vaux's swift
-  bald eagle
-  golden eagle
-  hairy woodpecker
-  mountain quail
-  olive-sided flycatcher
-  osprey
-  sooty (blue) grouse
-  yellow warbler
-  yellow-breasted chat

Other Documented Occurrences:

CNDDDB Data (Point)





-  black swift
-  northern goshawk
-  osprey

USFS Data



-  bald eagle**

** Eldorado National Forest Data Only




Project Facilities

-  Powerhouse
-  Dam
-  Tunnel
-  Penstock

Transportation



-  Major Road
-  Minor Road

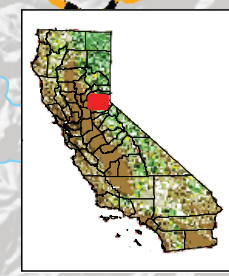
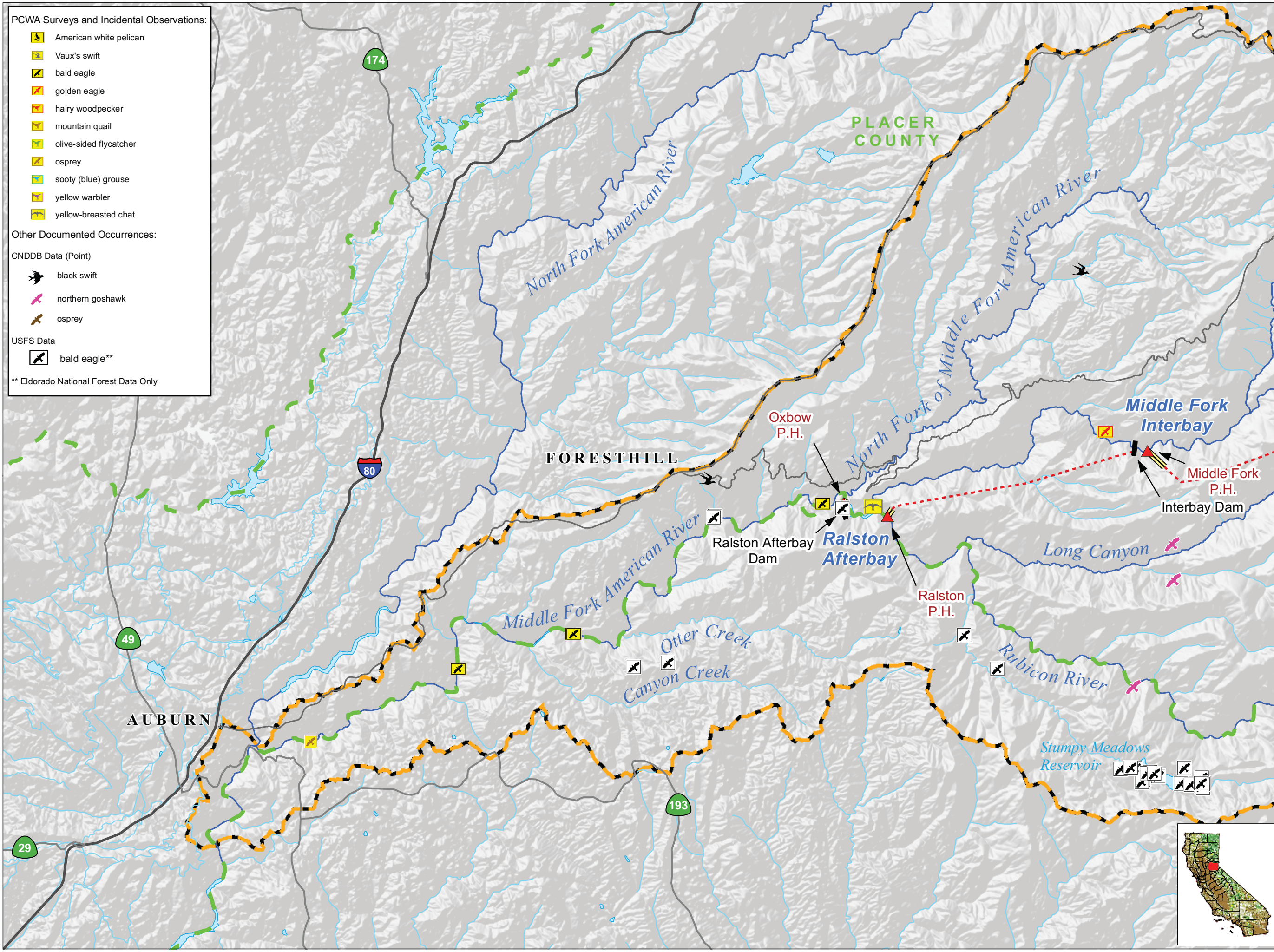
Hydrography


-  Watercourse
-  Water Body
-  Middle Fork American River Watershed*

*Modified from Calwater Ver. 2.2 to represent drainage above high-water mark of Folsom Lake

Designated Boundary

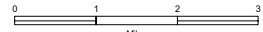
-  County Boundary
-  Wilderness Area





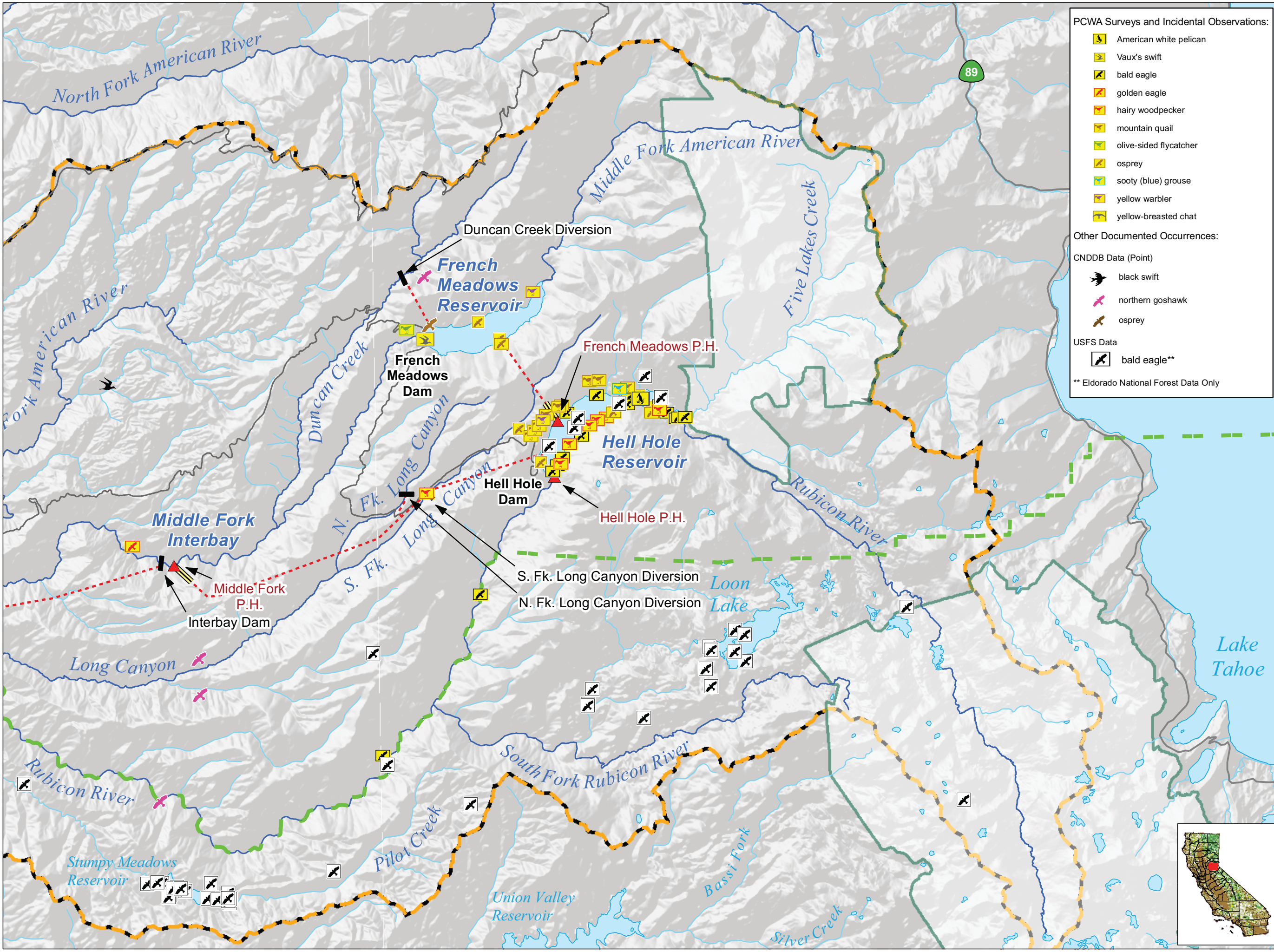
Placer County Water Agency
Middle Fork American River Project

Map TERR 4-9a
**Special-Status Avian Species
Known to Occur in the Middle Fork
American River Watershed**
West Map

Projection: CA State Plane, Zone 2
Datum: NAD 83

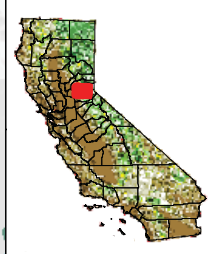
Date: 10/28/08



- PCWA Surveys and Incidental Observations:**
- American white pelican
 - Vaux's swift
 - bald eagle
 - golden eagle
 - hairy woodpecker
 - mountain quail
 - olive-sided flycatcher
 - osprey
 - sooty (blue) grouse
 - yellow warbler
 - yellow-breasted chat
- Other Documented Occurrences:**
- CNDDDB Data (Point)
- black swift
 - northern goshawk
 - osprey
- USFS Data
- bald eagle**
- ** Eldorado National Forest Data Only

- Project Facilities**
- Powerhouse
 - Dam
 - Tunnel
 - Penstock
- Transportation**
- Major Road
 - Minor Road
- Hydrography**
- Watercourse
 - Water Body
 - Middle Fork American River Watershed*
- Designated Boundary**
- County Boundary
 - Wilderness Area

*Modified from Calwater Ver. 2.2 to represent drainage above high-water mark of Folsom Lake



PCWA
Placer County Water Agency
Middle Fork American River Project

Map TERR 4-9b
Special-Status Avian Species
Known to Occur in the Middle Fork
American River Watershed
East Map

0 1 2 3
Miles

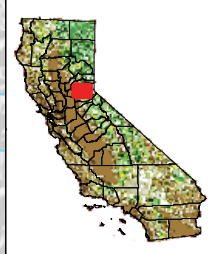
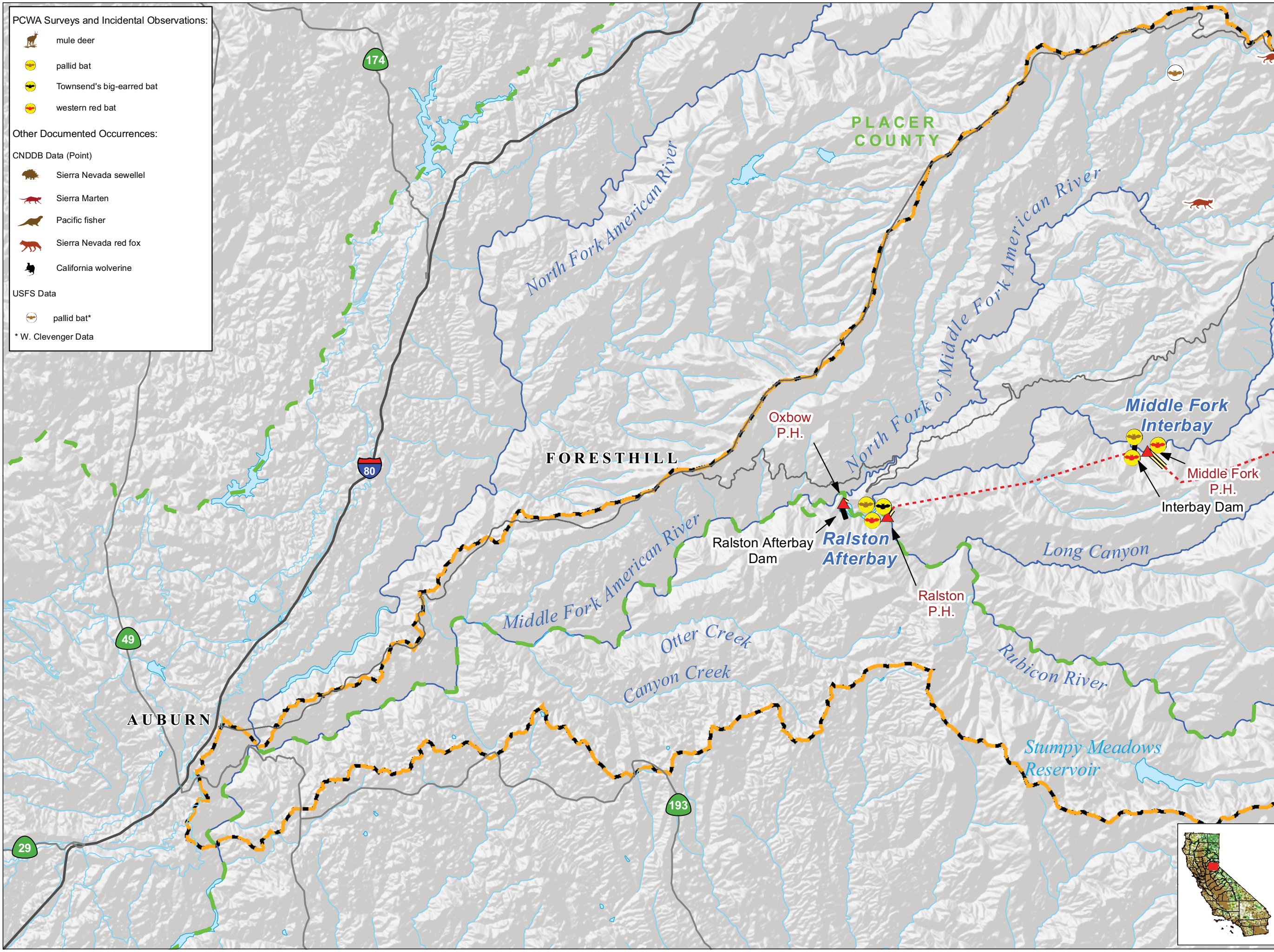
Projection: CA State Plane, Zone 2
Datum: NAD 83

Date: 10/28/08

- PCWA Surveys and Incidental Observations:**
- mule deer
 - pallid bat
 - Townsend's big-eared bat
 - western red bat
- Other Documented Occurrences:**
- CNDDDB Data (Point)
- Sierra Nevada sewellel
 - Sierra Marten
 - Pacific fisher
 - Sierra Nevada red fox
 - California wolverine
- USFS Data
- pallid bat*
- * W. Clevenger Data

- Project Facilities**
- Powerhouse
 - Dam
 - Tunnel
 - Penstock
- Transportation**
- Major Road
 - Minor Road
- Hydrography**
- Watercourse
 - Water Body
 - Middle Fork American River Watershed*
- Designated Boundary**
- County Boundary
 - Wilderness Area
 - State Game Refuge

*Modified from Calwater Ver. 2.2 to represent drainage above high-water mark of Folsom Lake



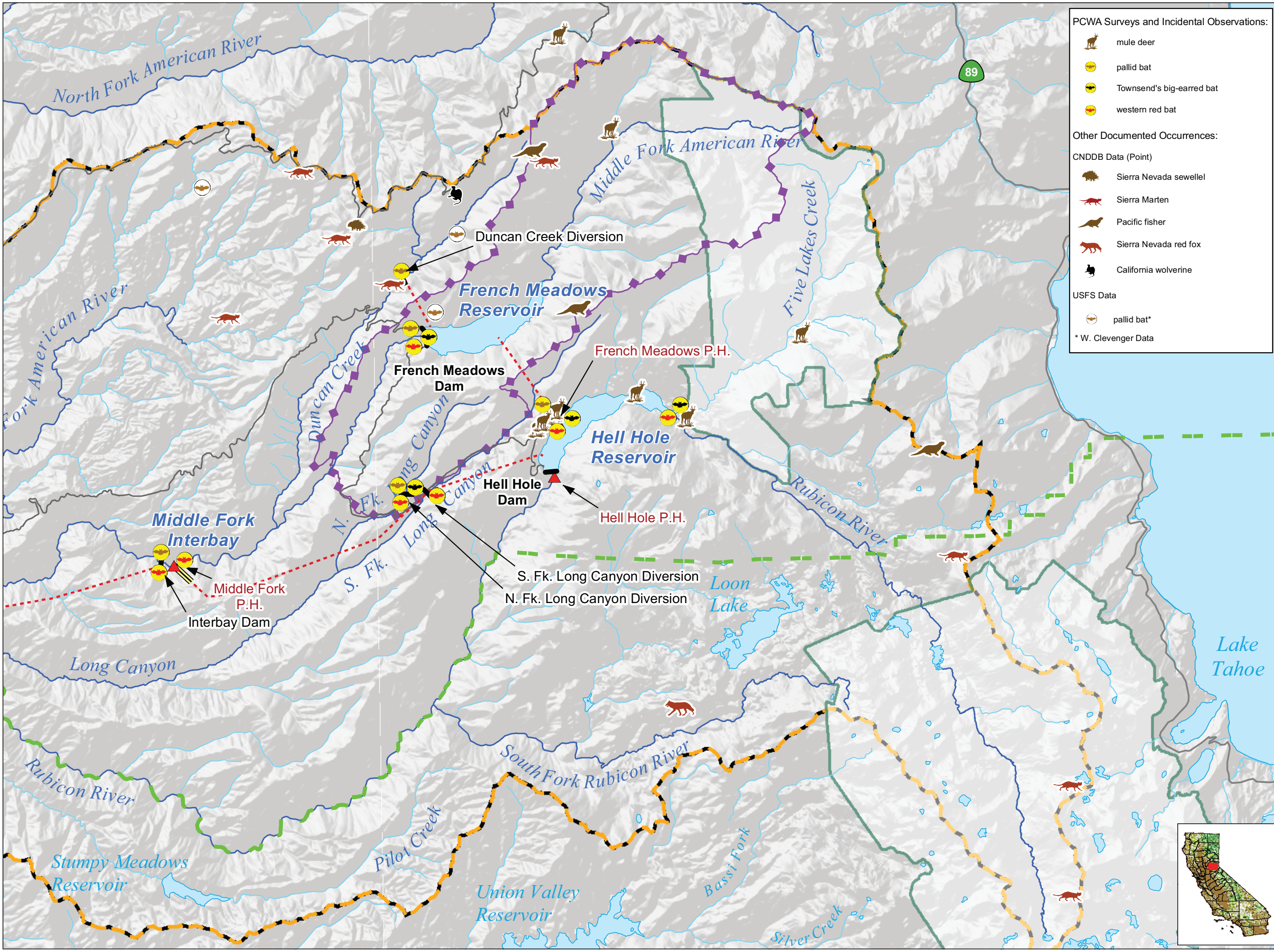
PCWA
Placer County Water Agency
Middle Fork American River Project

Map TERR 4-10a
Special-Status Mammal Species
Known to Occur in the Middle Fork
American River Watershed
West Map

0 1 2 3
Miles

Projection: CA State Plane, Zone 2
Datum: NAD 83

Date: 10/28/08



PCWA Surveys and Incidental Observations:

- mule deer
- pallid bat
- Townsend's big-eared bat
- western red bat

Other Documented Occurrences:

- Sierra Nevada sewellel
- Sierra Marten
- Pacific fisher
- Sierra Nevada red fox
- California wolverine

CNDDDB Data (Point)

- Sierra Nevada sewellel
- Sierra Marten
- Pacific fisher
- Sierra Nevada red fox
- California wolverine

USFS Data

- pallid bat*

* W. Clevenger Data

Project Facilities

- Powerhouse
- Dam
- Tunnel
- Penstock

Transportation

- Major Road
- Minor Road

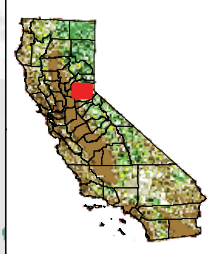
Hydrography

- Watercourse
- Water Body
- Middle Fork American River Watershed*

Designated Boundary

- County Boundary
- Wilderness Area
- State Game Refuge

*Modified from Calwater Ver. 2.2 to represent drainage above high-water mark of Folsom Lake



PCWA
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Middle Fork American River Project

Map TERR 4-10b
Special-Status Mammal Species
Known to Occur in the Middle Fork
American River Watershed
East Map

0 1 2 3
Miles

Projection: CA State Plane, Zone 2
Datum: NAD 83

Date: 10/28/08