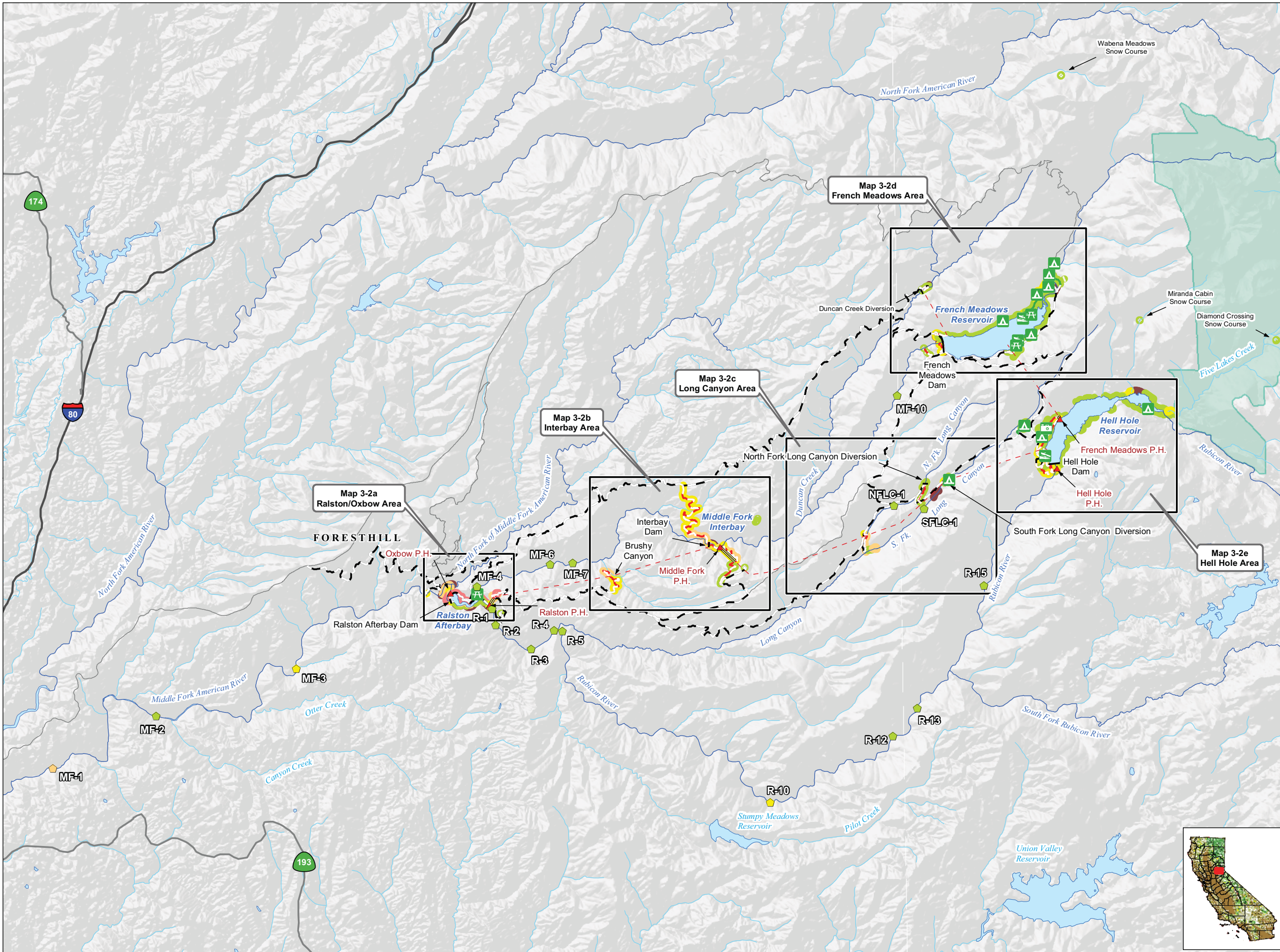


- Project Facilities**
- Powerhouse
 - Dam
 - Tunnel
 - Penstock
- Transportation**
- Major Road
 - Minor Road
- Hydrography**
- Watercourse
 - Water Body
- Designated Boundary**
- Wilderness Area
- TERR 3 Survey Data Locations**
- Quantitative Geomorphic and Riparian Sampling Site
 - TERR 3 Study Area

PCWA
Placer County Water Agency
Middle Fork American River Project

Map TERR 3-1
Location of Quantitative Geomorphic and Riparian Sampling Sites

Projection: CA State Plane, Zone 2
Datum: NAD 83
Date: 3/17/09



Project Facilities

- ▲ Powerhouse
- Dam
- - - Tunnel
- == Penstock

Project Recreation Facilities

- 🚤 Boat Ramp
- 🏕️ Developed Campground
- 🍃 Picnic Area
- 👁️ Scenic Viewpoint
- 🏠 Dispersed Concentrated Use Area

Transportation

- Project Road
- Non-Project General Access Road
- Major Road
- Minor Road

Hydrography

- Watercourse
- Water Body

Designated Boundary

- Wilderness Area

TERR 3 Survey Data

Noxious Weeds - # of species / area

- 📍 R-5 Quantification Study Site *

Noxious Weeds

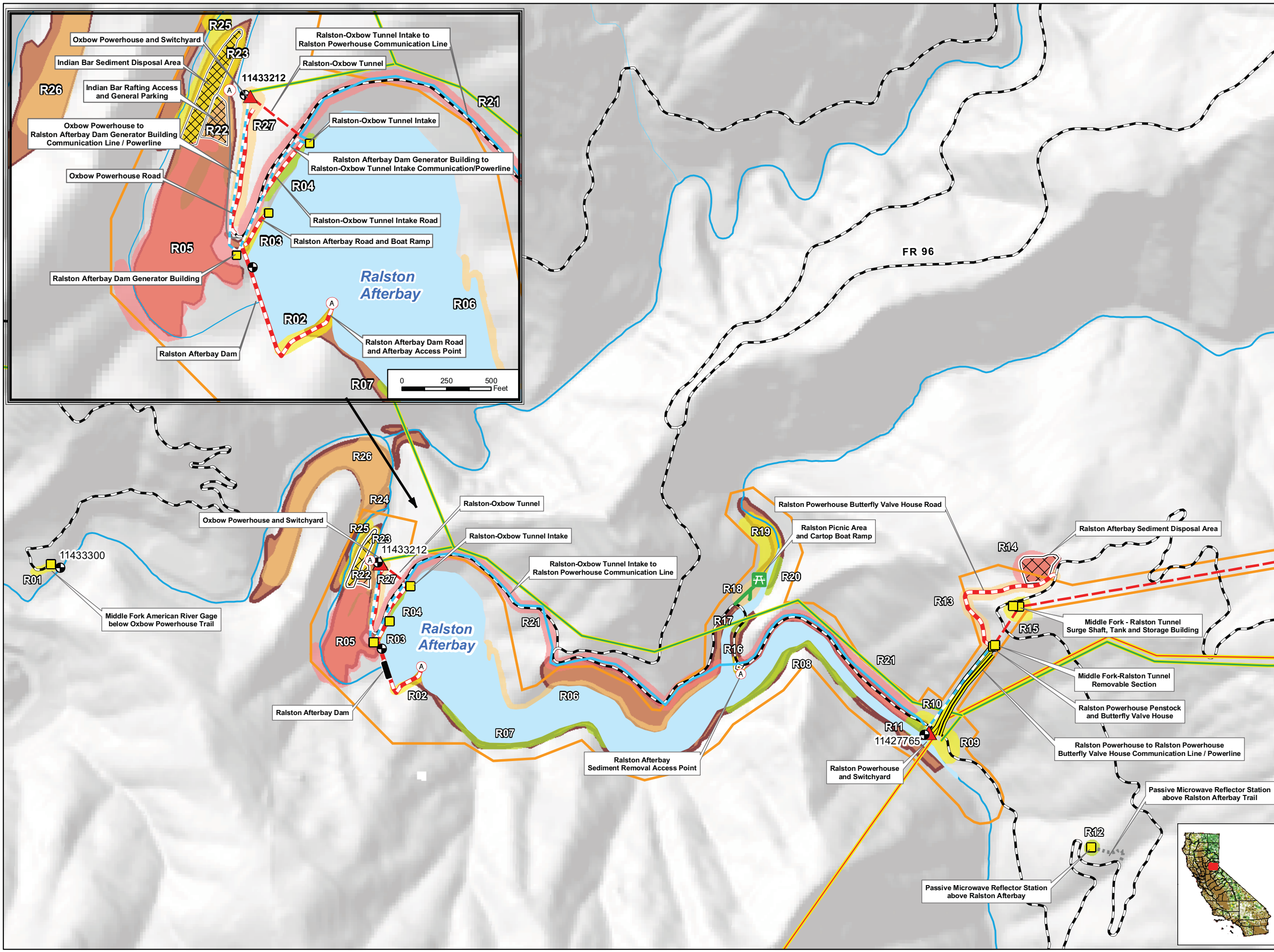
- 1 - 4 Species Detected
- 5 - 8 Species Detected
- 9 - 12 Species Detected
- 13 - 16 Species Detected

* Quantification Study Sites colored according to # species detected / site

PCWA
Placer County Water Agency
Middle Fork American River Project

Map TERR 3-2
Location of Noxious Weed Polygons
in Relation to Existing Project Facilities
and Features, Project Recreation Facilities,
and Dispersed Concentrated Use Areas
Overview Map

0 0.5 1 2 3 Miles
Projection: CA State Plane, Zone 2
Datum: NAD 83
Date: 3/16/09

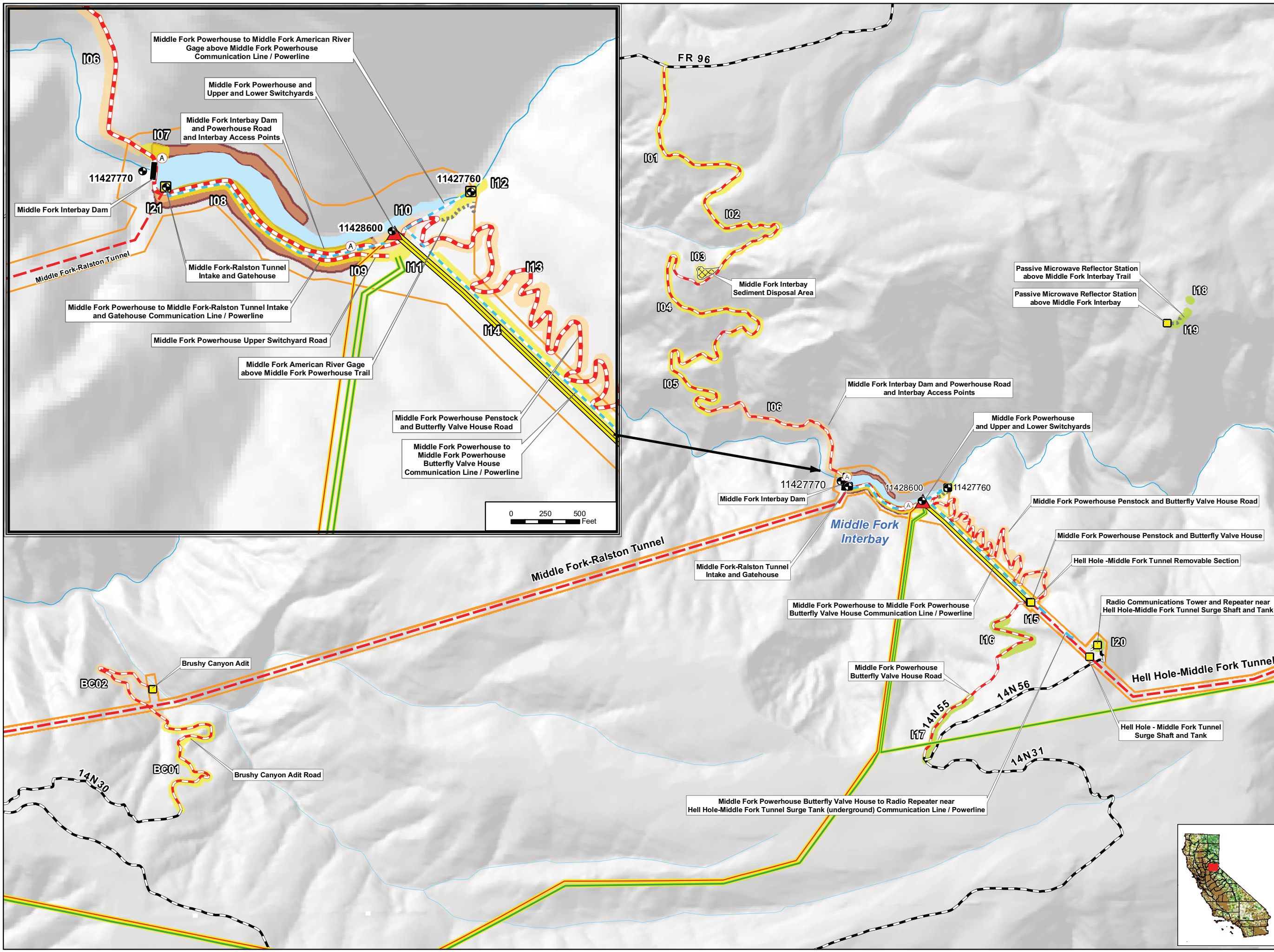


- PCWA Facilities and Features**
- Dam
 - Ancillary and Other Facilities
 - Powerhouse
 - Gage
 - Penstock
 - Tunnel
 - Pipeline
 - Access Point
 - FERC Boundary
- Project Power and Communication Lines:**
- Communication
 - Power
 - Power (underground)
 - Communication/Power
 - Communication/Power (underground)
- Transportation**
- Non-Project General Access Road
 - Project Road
 - Project Trail
 - Recreation Access Road
 - Recreation Water Supply Facility Access Road or Trail
 - Other Road
- Project Recreation Facilities**
- Picnic Area
 - Boat Ramp
 - Scenic Viewpoint
 - Developed Campground
 - Water Supply Line
 - Dispersed Concentrated Use Area
- Other Facilities**
- PG & E Transmission Lines:
- 230 kV
 - 60 kV
- Noxious Weeds (with Polygon IDs)**
- 1 - 4 Species Detected
 - 5 - 8 Species Detected
 - 9 - 12 Species Detected
 - 13 - 16 Species Detected

PCWA
Placer County Water Agency
Middle Fork American River Project
Map TERR 3-2a

Location of Noxious Weed Polygons in Relation to Existing Project Facilities and Features, Project Recreation Facilities, and Dispersed Concentrated Use Areas Ralston, Oxbow Area

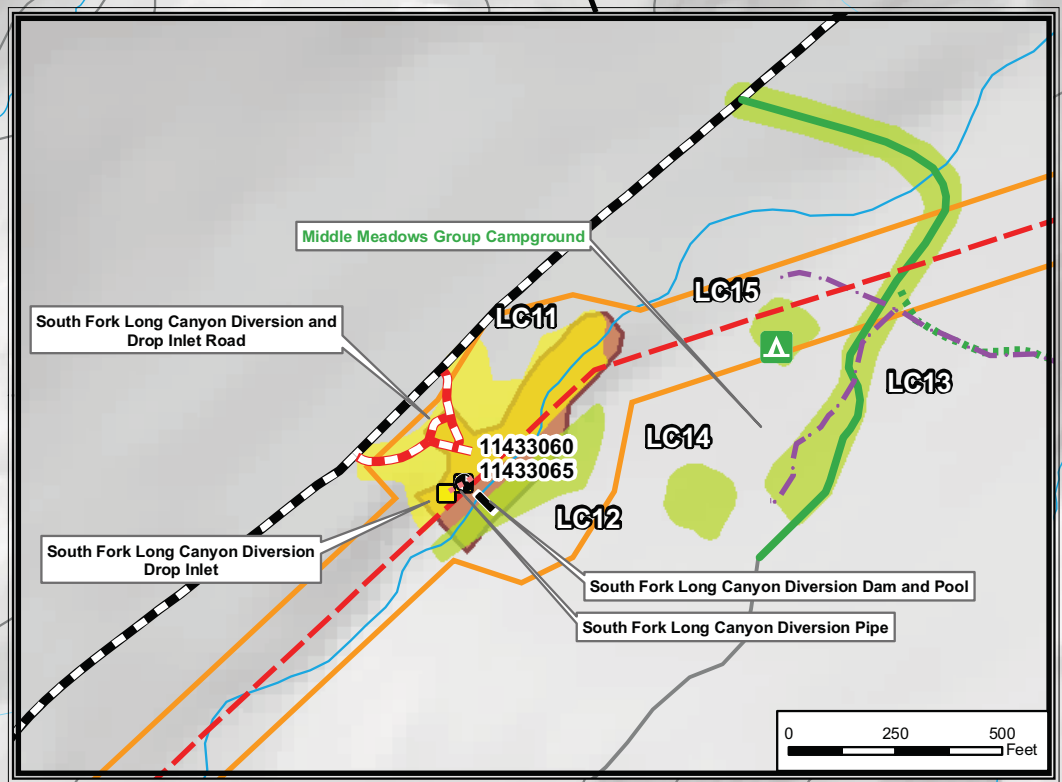
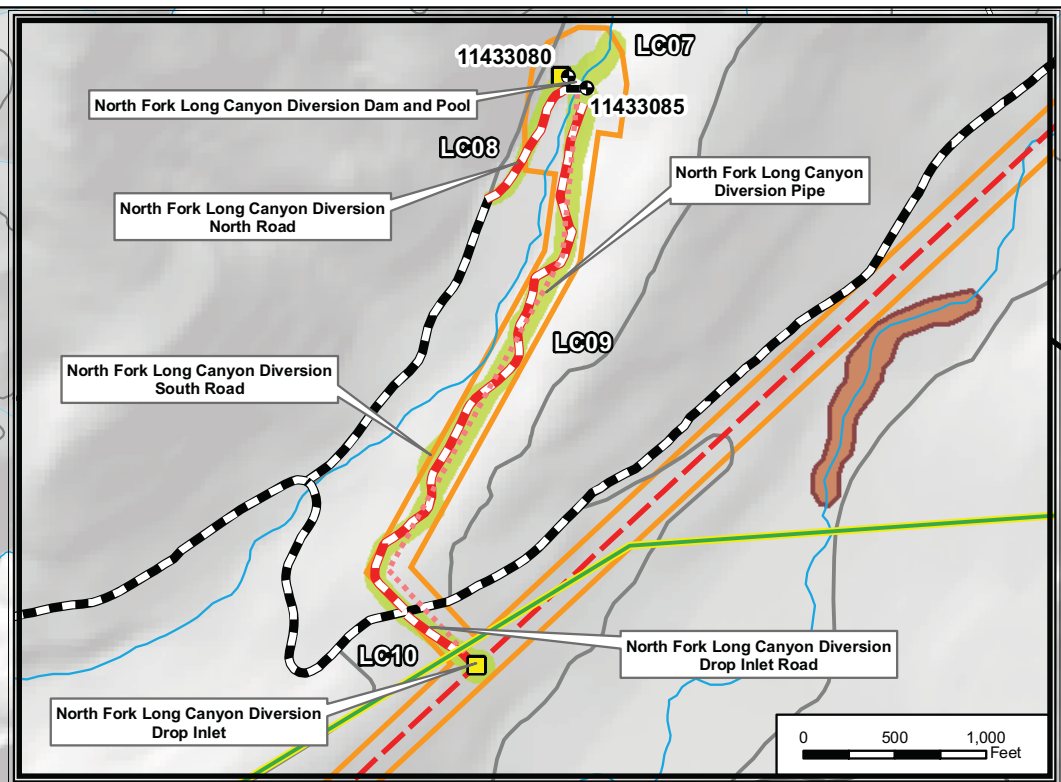
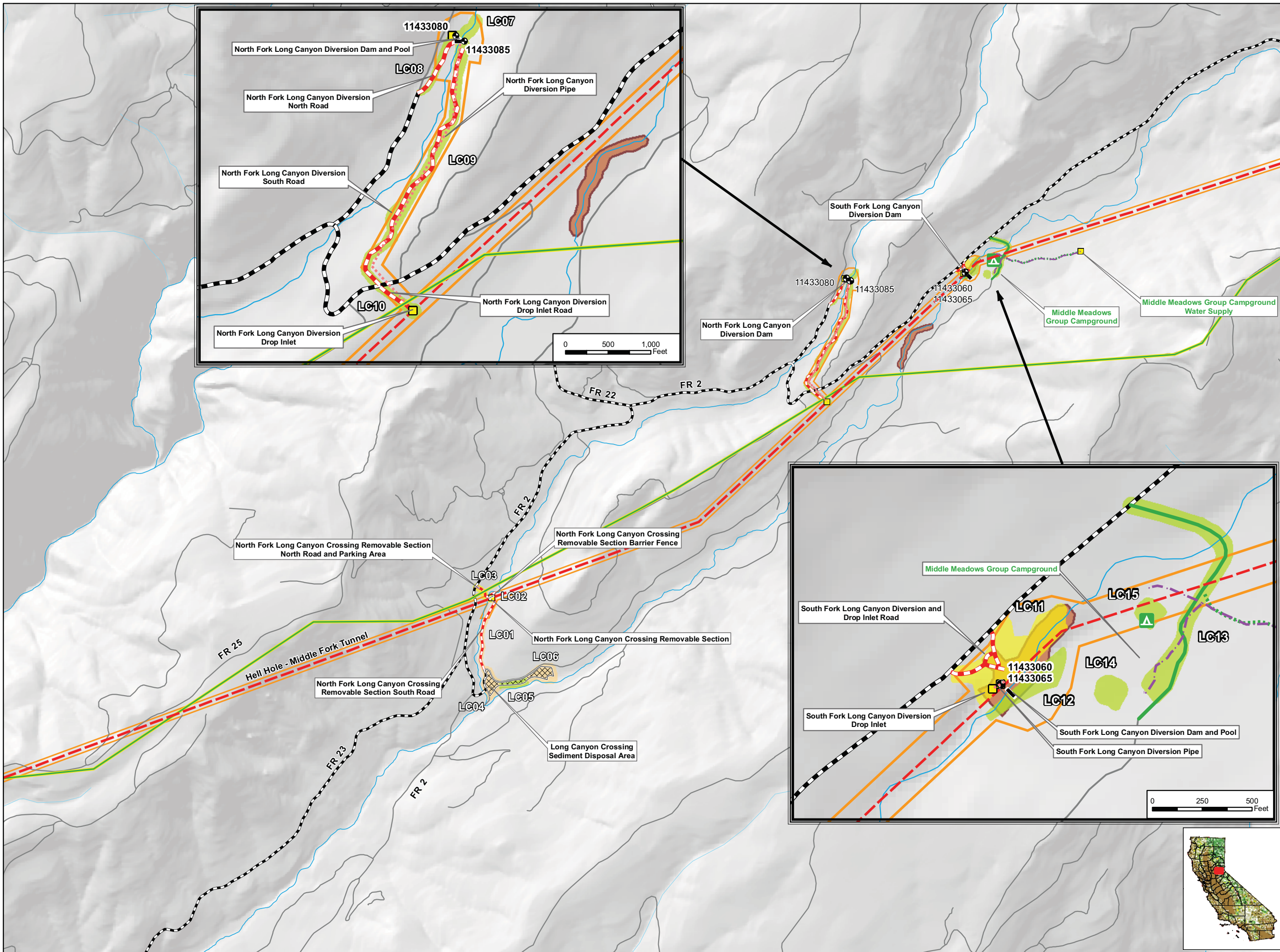
0 500 1,000 Feet
Projection: Ca. Stateplane, Zone 2
Datum: NAD 83
Date: 3/16/09




- PCWA Facilities and Features**
- Dam
 - Ancillary and Other Facilities
 - Powerhouse
 - Gage
 - Penstock
 - Tunnel
 - Pipeline
 - Access Point
 - 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
 - Recreation Water Supply Facility Access Road or Trail
 - Other Road
- Project Recreation Facilities**
- Picnic Area
 - Boat Ramp
 - Scenic Viewpoint
 - Developed Campground
 - Water Supply Line
 - Dispersed Concentrated Use Area
- Other Facilities**
- PG & E Transmission Lines:
- 230 kV
 - 60 kV
- Noxious Weeds (with Polygon IDs)**
- 1 - 4 Species Detected
 - 5 - 8 Species Detected
 - 9 - 12 Species Detected
 - 13 - 16 Species Detected

PCWA
Placer County Water Agency
Middle Fork American River Project
Map TERR 3-2b
Location of Noxious Weed Polygons
in Relation to Existing Project Facilities
and Features, Project Recreation Facilities,
and Dispersed Concentrated Use Areas
Interbay Area

0 0.25 0.5 Miles
Projection: Ca. Stateplane, Zone 2
Datum: NAD 83
Date: 3/16/09

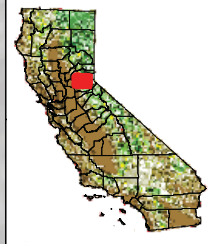


- PCWA Facilities and Features**
- Dam
 - Ancillary and Other Facilities
 - Powerhouse
 - Gage
 - Penstock
 - Tunnel
 - Pipeline
 - Access Point
 - FERC Boundary
- Project Power and Communication Lines:**
- Communication
 - Power
 - Power (underground)
 - Communication/Power
 - Communication/Power (underground)
- Transportation**
- Non-Project General Access Road
 - Project Road
 - Project Trail
 - Recreation Access Road
 - Recreation Water Supply Facility Access Road or Trail
 - Other Road
- Project Recreation Facilities**
- Picnic Area
 - Boat Ramp
 - Scenic Viewpoint
 - Developed Campground
 - Water Supply Line
 - Dispersed Concentrated Use Area
- Other Facilities**
- PG & E Transmission Lines:
- 230 kV
 - 60 kV
- Noxious Weeds (with Polygon IDs)**
- 1 - 4 Species Detected
 - 5 - 8 Species Detected
 - 9 - 12 Species Detected
 - 13 - 16 Species Detected



Placer County Water Agency
Middle Fork American River Project
Map TERR 3-2c

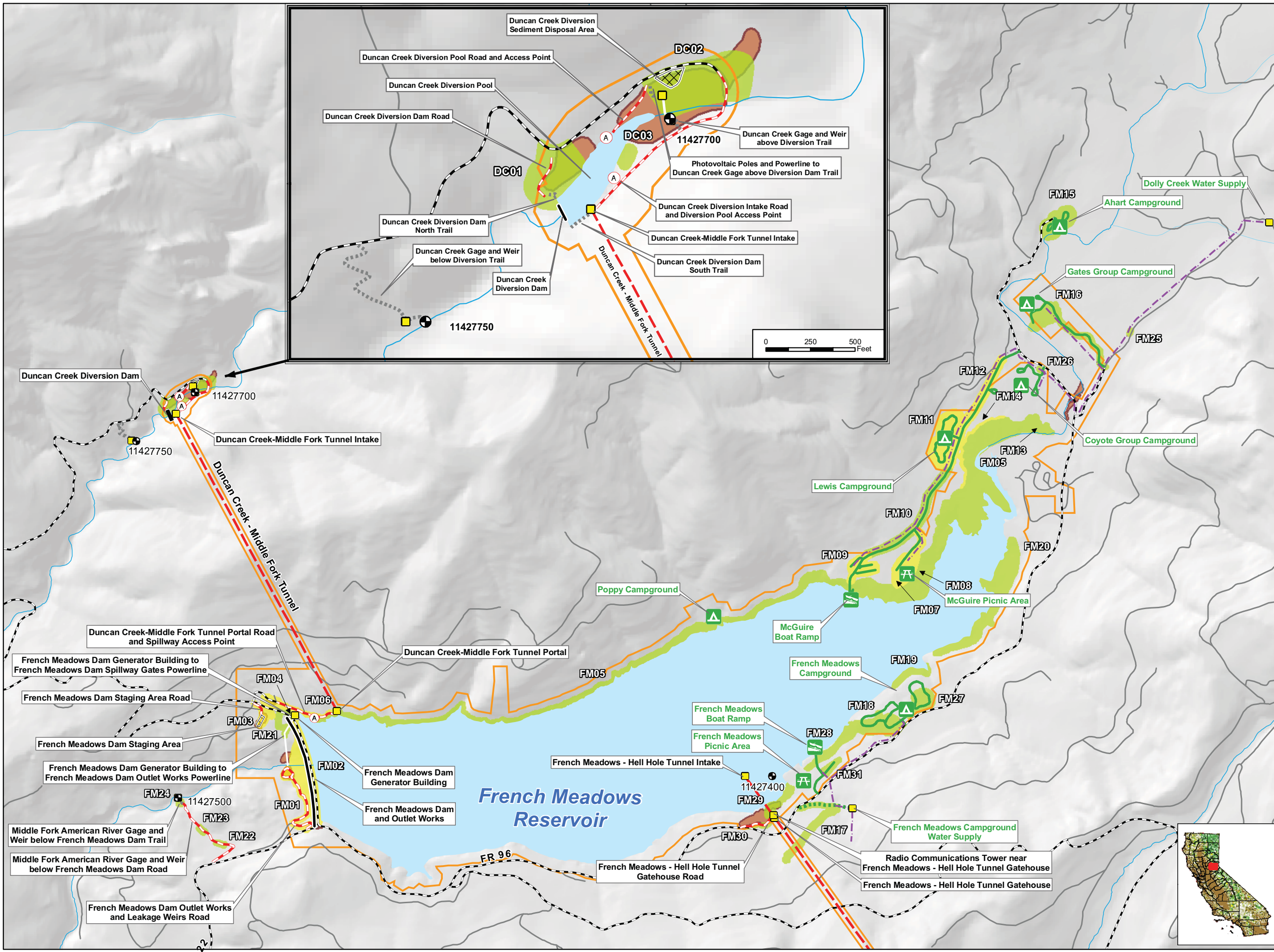
**Location of Noxious Weed Polygons
in Relation to Existing Project Facilities
and Features, Project Recreation Facilities,
and Dispersed Concentrated Use Areas
Long Canyon Area**



0 0.25 0.5 Miles

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

Date: 3/16/09



PCWA Facilities and Features

- Dam
- Ancillary and Other Facilities
- Powerhouse
- Gage
- Penstock
- Tunnel
- Pipeline
- Access Point
- 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
- Recreation Water Supply Facility Access Road or Trail
- Other Road

Project Recreation Facilities

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

Other Facilities

PG & E Transmission Lines:

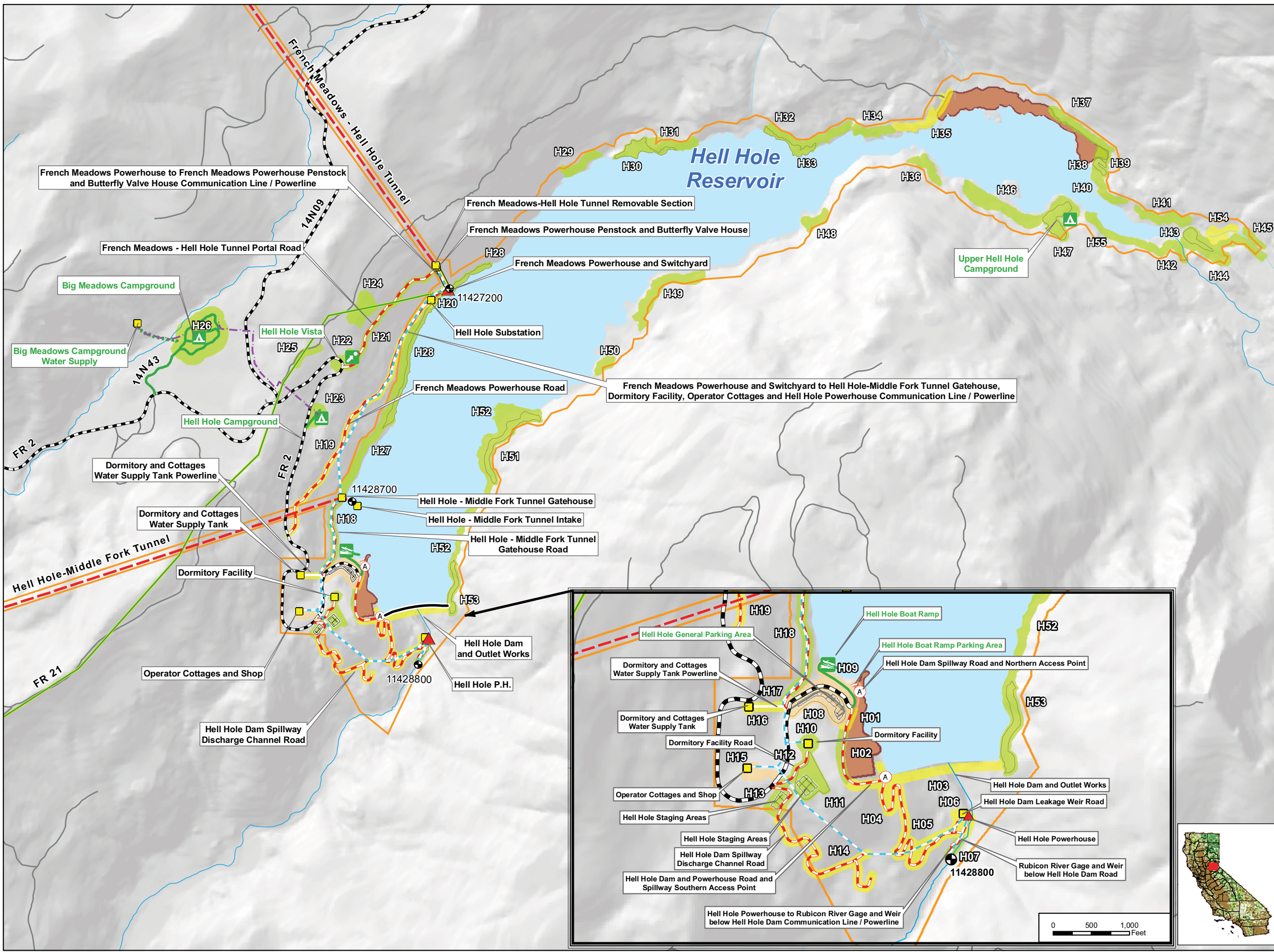
- 230 kV
- 60 kV

Noxious Weeds (with Polygon IDs)

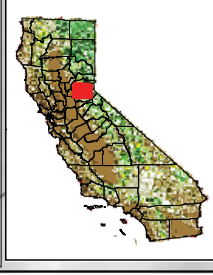
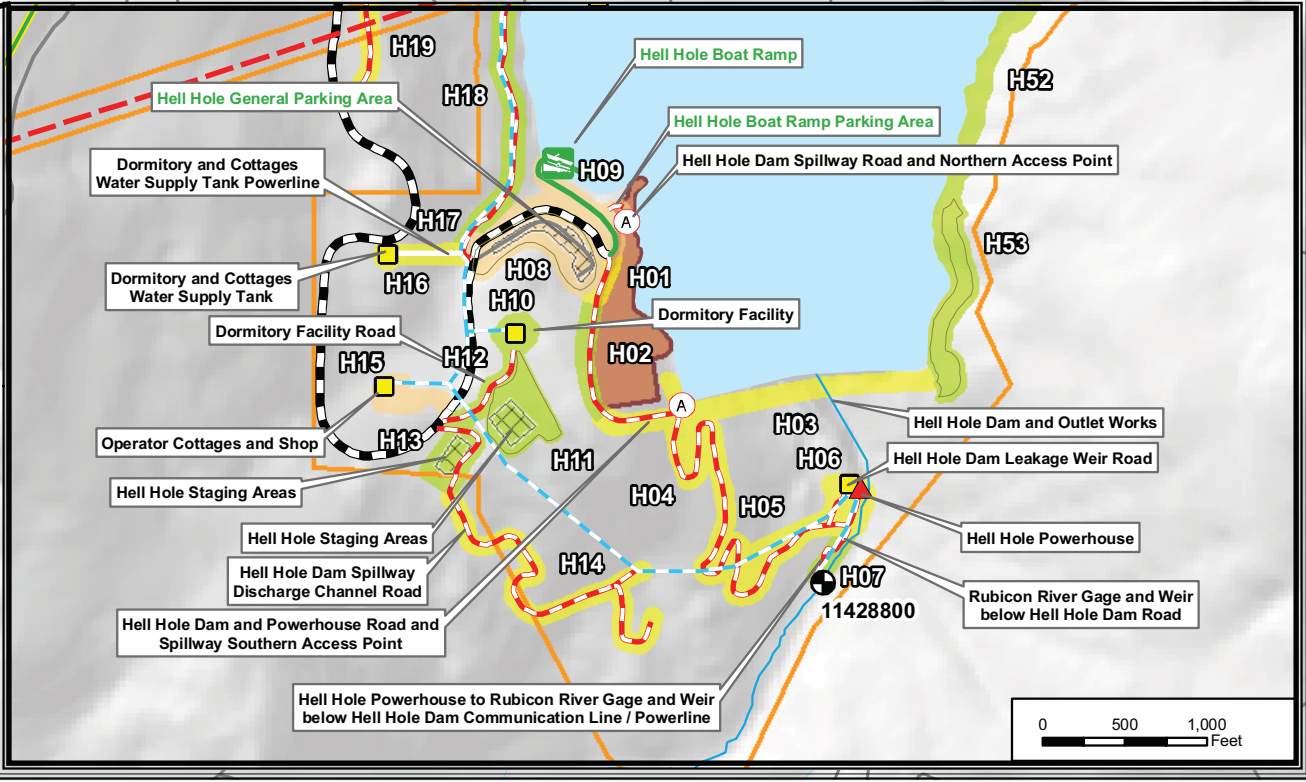
- 1 - 4 Species Detected
- 5 - 8 Species Detected
- 9 - 12 Species Detected
- 13 - 16 Species Detected

PCWA
Placer County Water Agency
Middle Fork American River Project
Map TERR 3-2d
Location of Noxious Weed Polygons in Relation to Existing Project Facilities and Features, Project Recreation Facilities, and Dispersed Concentrated Use Areas, Duncan Creek, French Meadows Area

0 0.25 0.5 Miles
Projection: Ca. Stateplane, Zone 2
Datum: NAD 83
Date: 3/19/09



- PCWA Facilities and Features**
- Dam
 - Ancillary and Other Facilities
 - Powerhouse
 - Gage
 - Penstock
 - Tunnel
 - Pipeline
 - Access Point
 - 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
 - Recreation Water Supply Facility
 - Access Road or Trail
 - Other Road
- Project Recreation Facilities**
- Picnic Area
 - Boat Ramp
 - Scenic Viewpoint
 - Developed Campground
 - Water Supply Line
 - Dispersed Concentrated Use Area
- Other Facilities**
- PG & E Transmission Lines:**
- 230 kV
 - 60 kV
- Noxious Weeds (with Polygon IDs)**
- 1 - 4 Species Detected
 - 5 - 8 Species Detected
 - 9 - 12 Species Detected
 - 13 - 16 Species Detected



PCWA

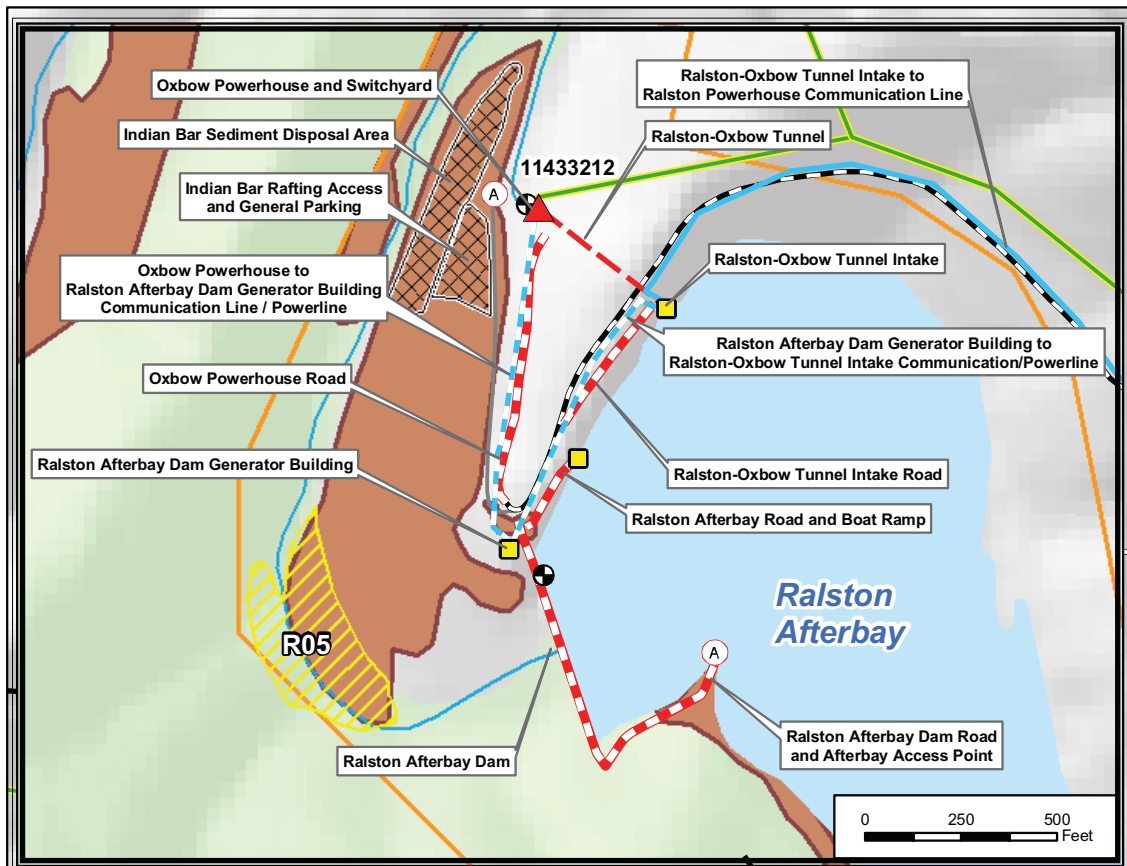
Placer County Water Agency
Middle Fork American River Project
Map TERR 3-2e

Location of Noxious Weed Polygons in Relation to Existing Project Facilities and Features, Project Recreation Facilities, and Dispersed Concentrated Use Areas Hell Hole Area

0 0.25 0.5 Miles

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

Date: 3/16/09



ENF Moderate Priority Noxious Weeds

- Malta starthistle (tocalote)
- Italian thistle

PCWA Facilities and Features

- Dam
- Ancillary and Other Facilities
- Powerhouse
- Gage
- Penstock
- Tunnel
- Pipeline
- Access Point
- 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
- Recreation Water Supply Facility Access Road or Trail
- Other Road

Project Recreation Facilities

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

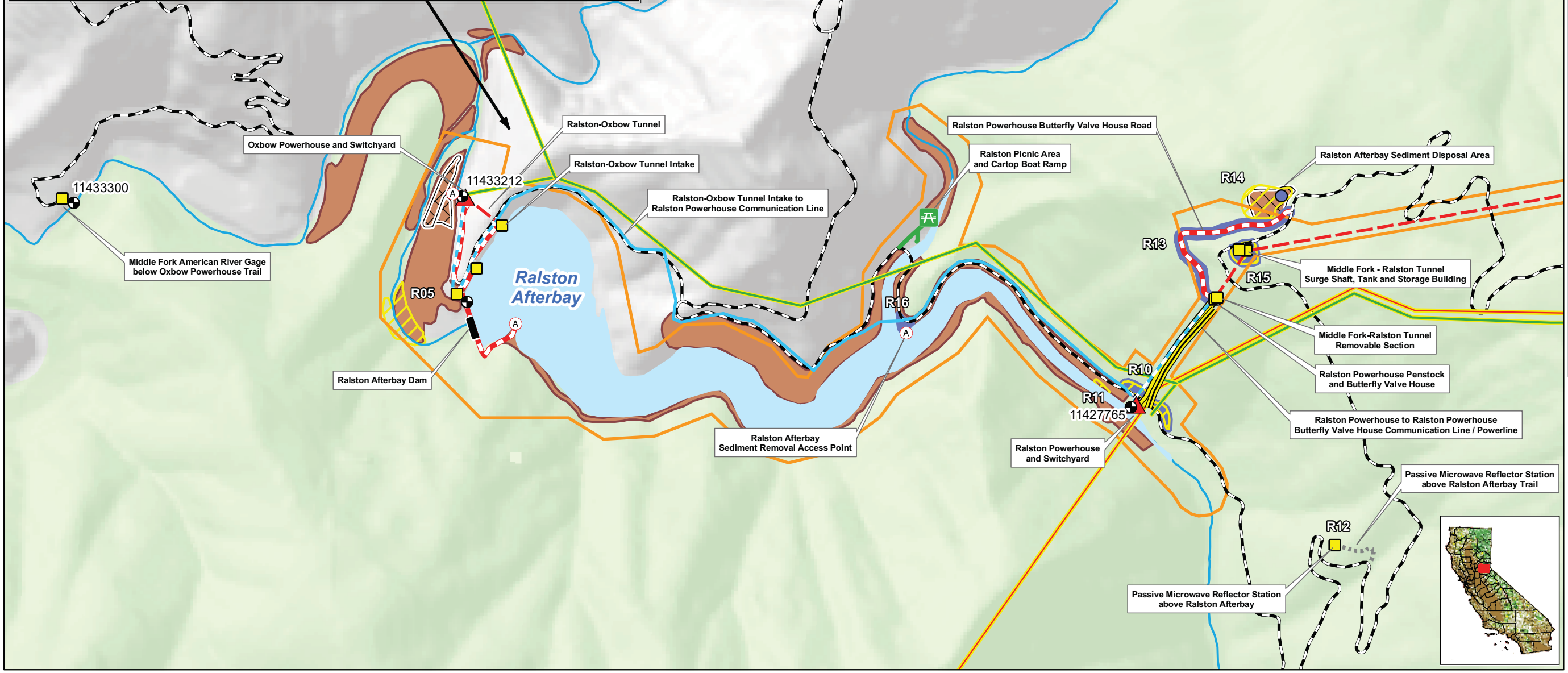
Other Facilities

PG & E Transmission Lines:

- 230 kV
- 60 kV

Designated Boundary

- Eldorado National Forest



Placer County Water Agency
Middle Fork American River Project
Map TERR 3-3

Location of ENF-Rated Moderate Priority Noxious Weed Populations in Relation to Existing Project Facilities and Features, Project Recreation Facilities, and Dispersed Concentrated Use Areas within the Eldorado National Forest

0 500 1,000 Feet
Projection: Ca. Stateplane, Zone 2
Datum: NAD 83
Date: 3/17/09

TERR 3 Survey Data

- Quantification Study Site *
 - ENF High Priority Noxious Weeds**
 - Canada thistle
 - perennial pepperweed
 - rush skeletonweed
 - tree-of-heaven
 - yellow starthistle
- * Quantification Study Sites colored according to type of species detected

Project Facilities

- Powerhouse
- Dam
- Tunnel
- Penstock

Project Recreation Facilities

- Boat Ramp
- Developed Campground
- Picnic Area
- Scenic Viewpoint
- Dispersed Concentrated Use Area

Transportation

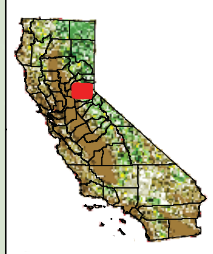
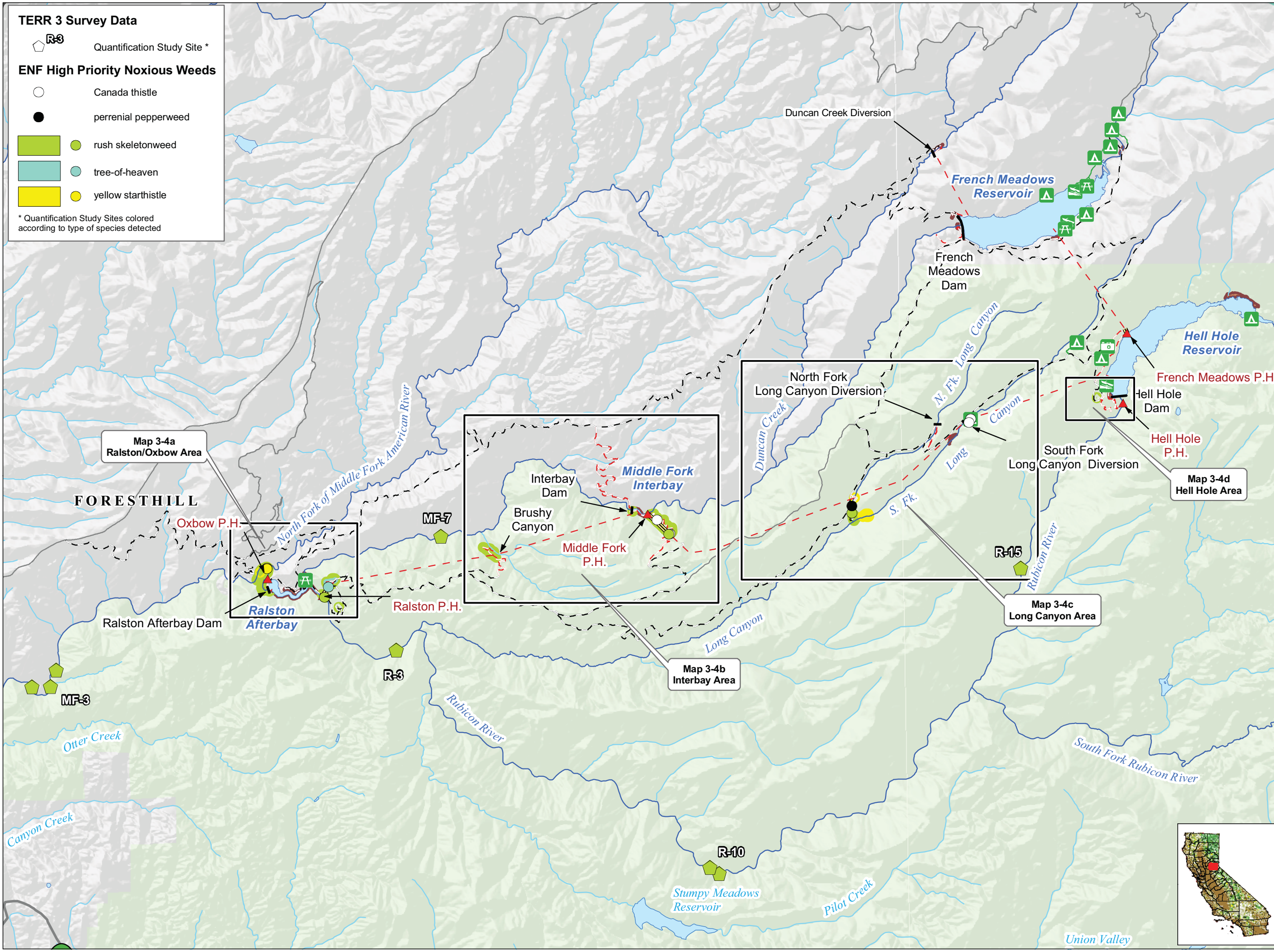
- Project Road
- Non-Project General Access Road
- Major Road
- Minor Road

Hydrography

- Watercourse
- Water Body

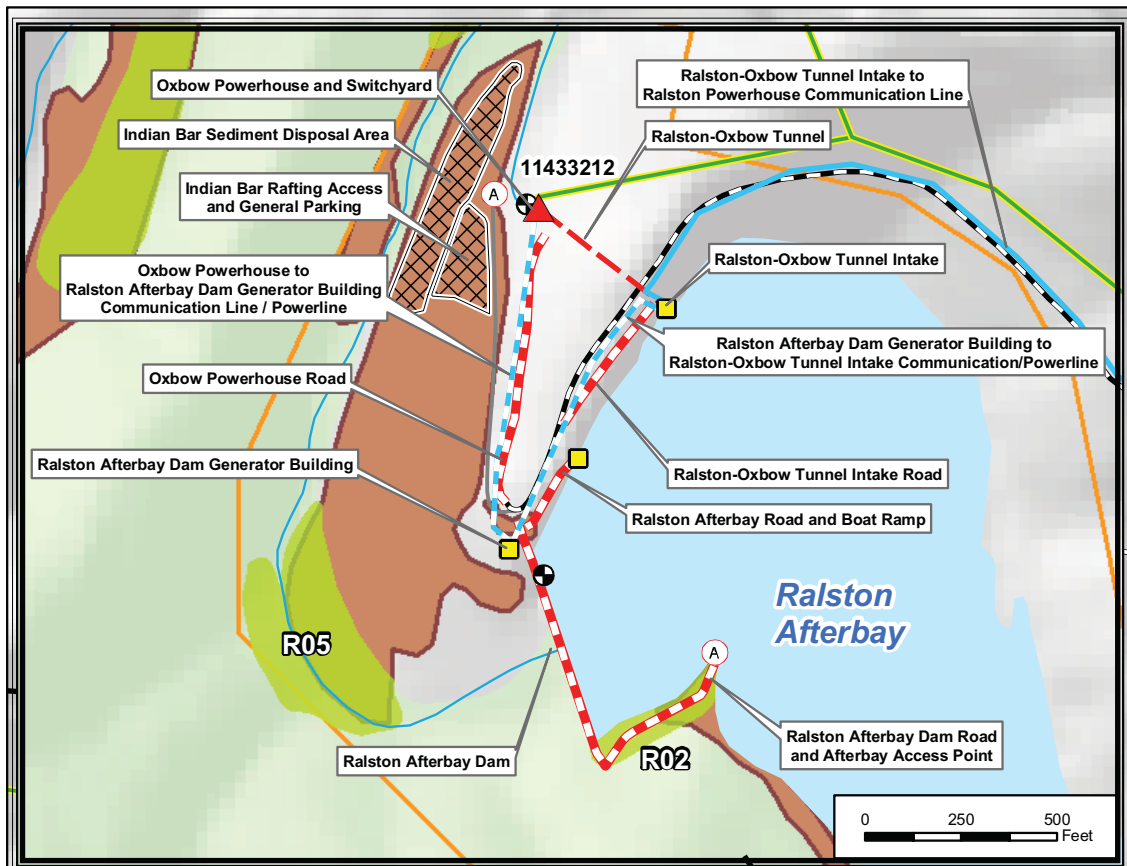
Designated Boundary

- Eldorado National Forest



Placer County Water Agency
 Middle Fork American River Project
Map TERR 3-4
 Location of ENF-Rated High Priority Noxious Weed Populations in Relation to Existing Project Facilities and Features, Project Recreation Facilities, and Dispersed Concentrated Use Areas within the Eldorado National Forest Overview Map

Projection: CA State Plane, Zone 2
 Datum: NAD 83
 Date: 3/19/09



ENF High Priority Noxious Weeds

- Canada thistle
- perennial pepperweed
- rush skeletonweed
- tree-of-heaven
- yellow starthistle

PCWA Facilities and Features

- Dam
- Ancillary and Other Facilities
- ▲ Powerhouse
- ⊕ Gage
- ≡ Penstock
- - - Tunnel
- ⋯ Pipeline
- ⊙ Access Point
- 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
- ⋯ Recreation Water Supply Facility Access Road or Trail
- Other Road

Project Recreation Facilities

- ⊕ Picnic Area
- ⊕ Boat Ramp
- ⊕ Scenic Viewpoint
- ⊕ Developed Campground
- Water Supply Line
- Dispersed Concentrated Use Area

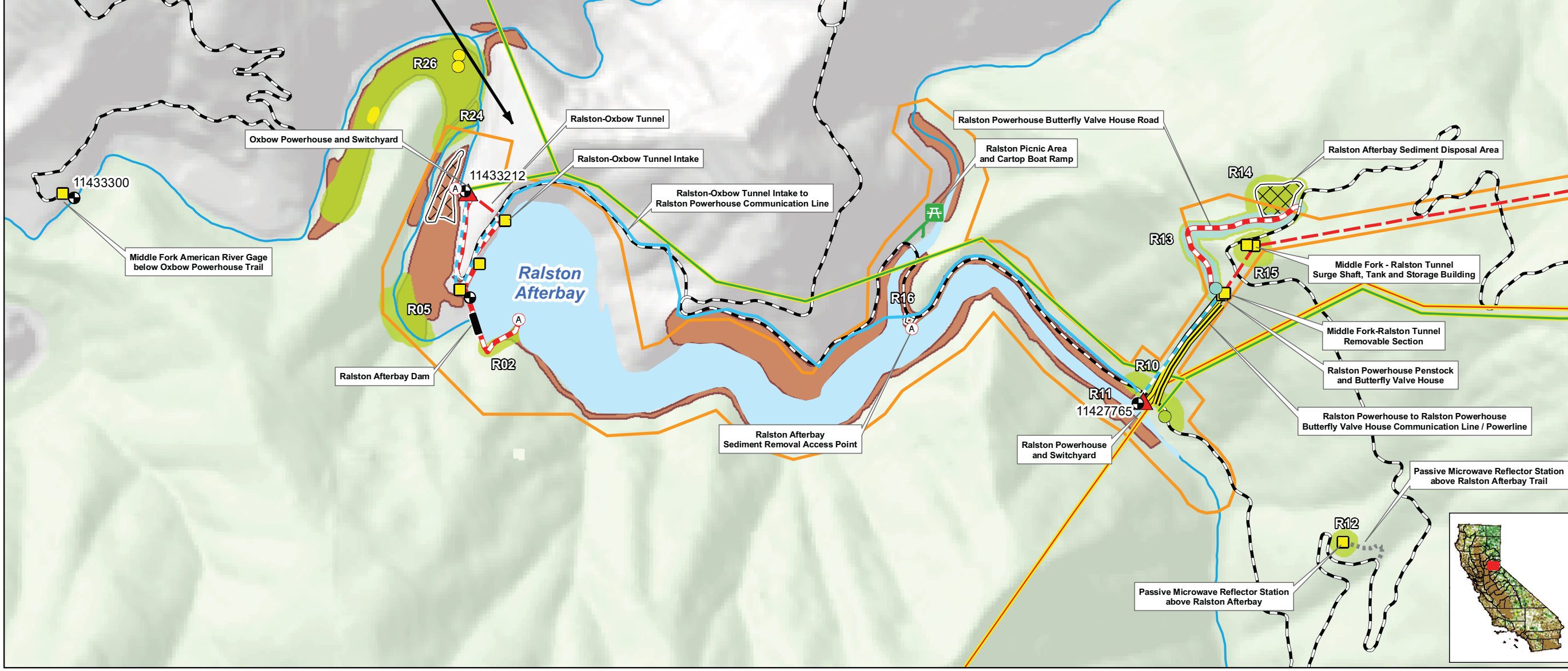
Other Facilities

PG & E Transmission Lines:

- 230 kV
- 60 kV

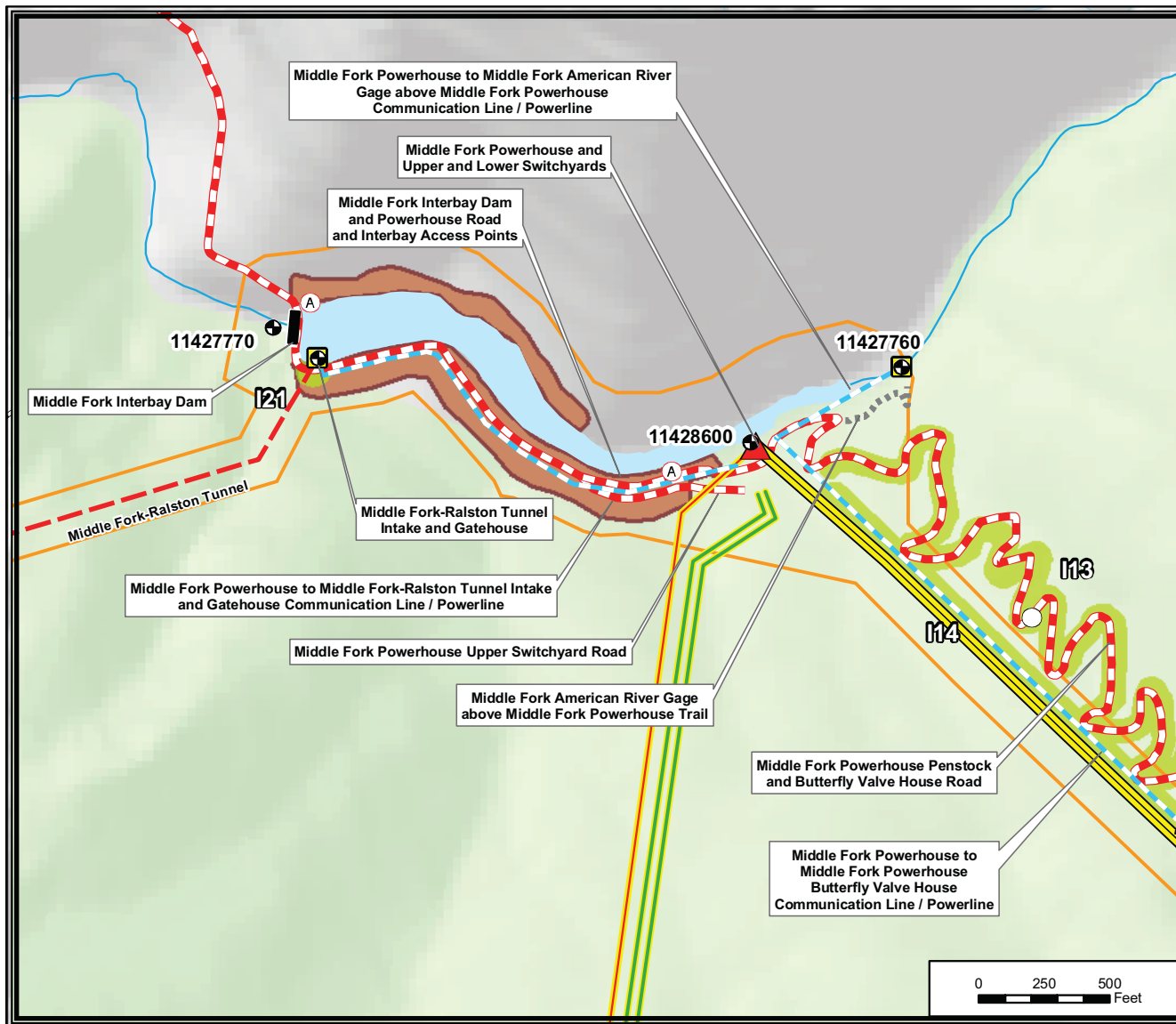
Designated Boundary

- Eldorado National Forest



Placer County Water Agency
Middle Fork American River Project
Map TERR 3-4a
Location of ENF-Rated High Priority Noxious Weed Populations in Relation to Existing Project Facilities and Features, Project Recreation Areas, and Dispersed Concentrated Use Areas within the Eldorado National Forest Ralston, Oxbow Area

0 500 1,000 Feet
Projection: Ca. Stateplane, Zone 2
Datum: NAD 83
Date: 3/18/09



ENF High Priority Noxious Weeds

- Canada thistle
- perennial pepperweed
- rush skeletonweed
- tree-of-heaven
- yellow starthistle

PCWA Facilities and Features

- Dam
- Ancillary and Other Facilities
- ▲ Powerhouse
- ⊕ Gage
- Penstock
- - - Tunnel
- ⋯ Pipeline
- ⊙ Access Point
- 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
- ⋯ Recreation Water Supply Facility Access Road or Trail
- Other Road

Project Recreation Facilities

- ⊕ Picnic Area
- ⊕ Boat Ramp
- ⊕ Scenic Viewpoint
- ⊕ Developed Campground
- Water Supply Line
- Dispersed Concentrated Use Area

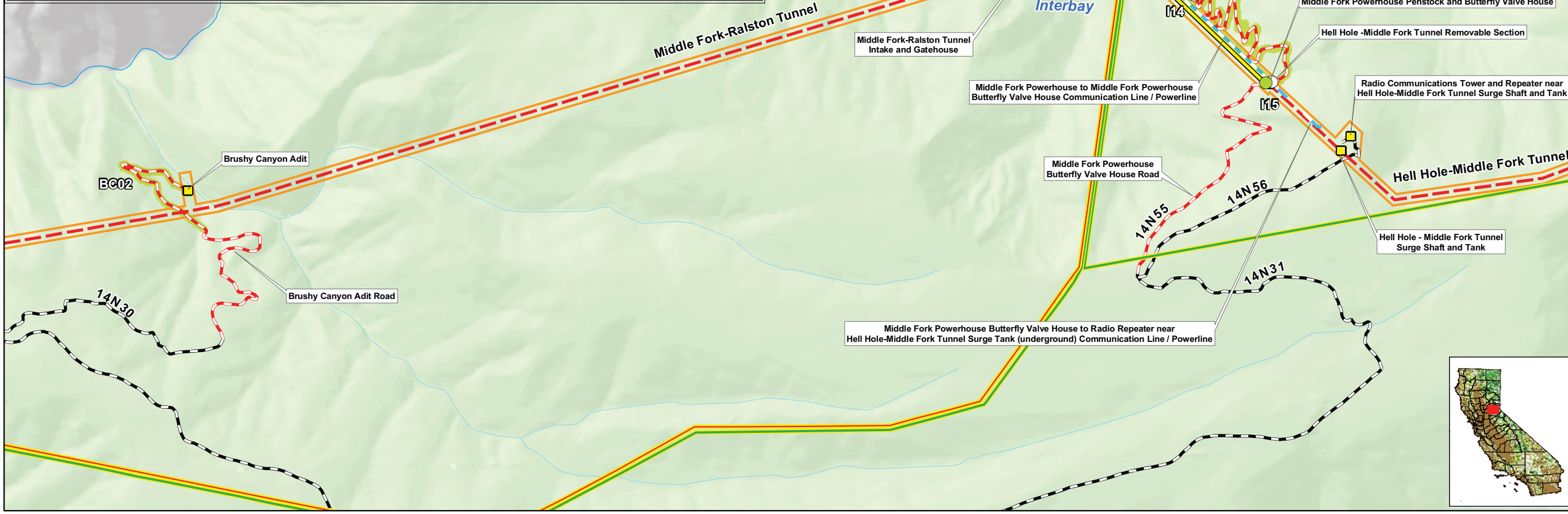
Other Facilities

PG & E Transmission Lines:

- 230 kV
- 60 kV

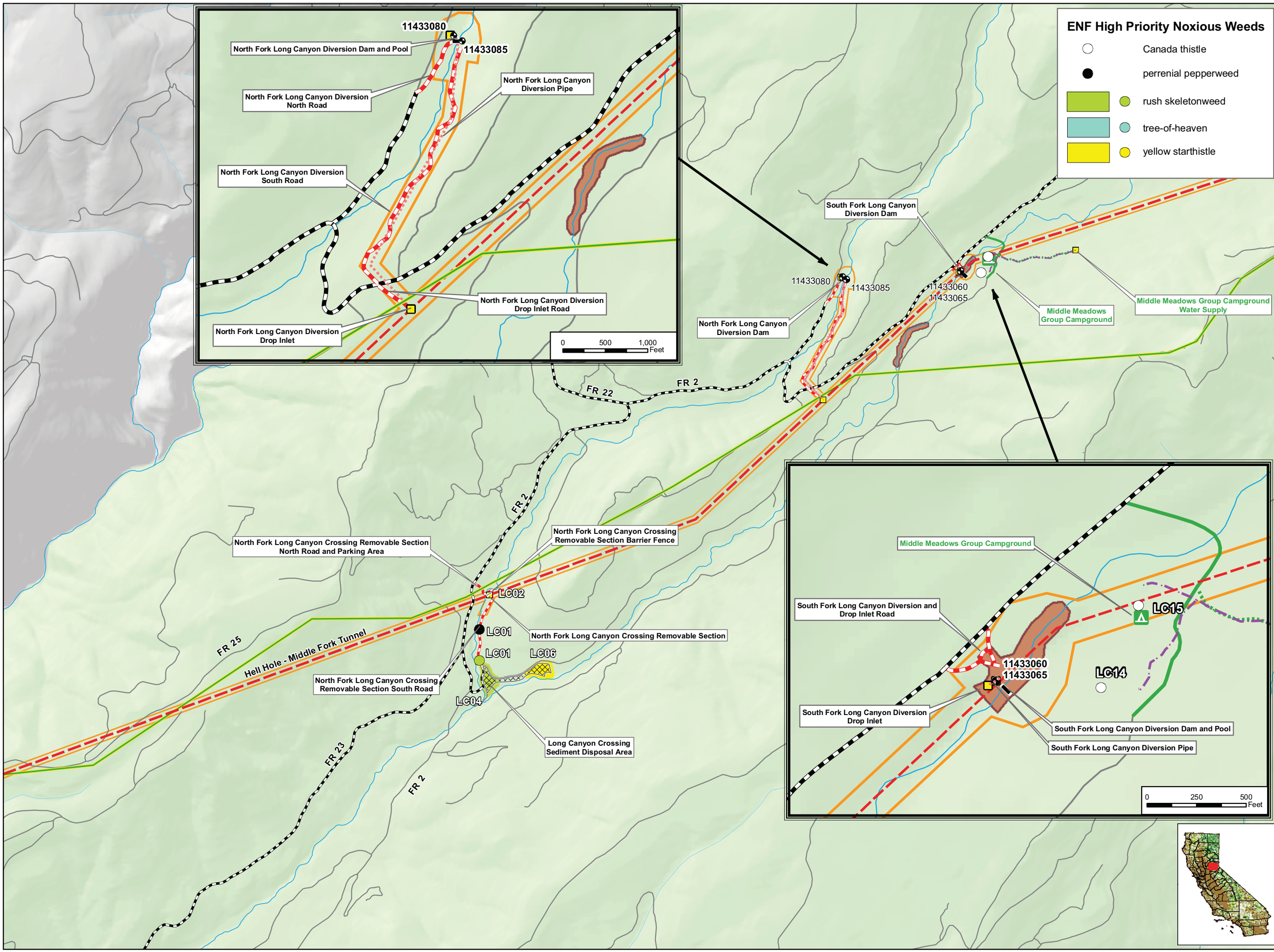
Designated Boundary

- Eldorado National Forest



Placer County Water Agency
Middle Fork American River Project
Map TERR 3-4b
Location of ENF-Rated High Priority Noxious Weed Populations in Relation to Existing Project Facilities and Features, Project Recreation Facilities, and Dispersed Concentrated Use Areas within the Eldorado National Forest Interbay Area

0 0.25 0.5 Miles
Projection: Ca. Stateplane, Zone 2
Datum: NAD 83
Date: 3/18/09



ENF High Priority Noxious Weeds

- Canada thistle
- perennial pepperweed
- rush skeletonweed
- tree-of-heaven
- yellow starthistle

PCWA Facilities and Features

- Dam
- Ancillary and Other Facilities
- ▲ Powerhouse
- ⊕ Gage
- Penstock
- - - Tunnel
- ⋯ Pipeline
- ⊙ Access Point
- 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
- Recreation Water Supply Facility
- Access Road or Trail
- Other Road

Project Recreation Facilities

- ⊕ Picnic Area
- ⊕ Boat Ramp
- ⊕ Scenic Viewpoint
- ⊕ Developed Campground
- Water Supply Line
- Dispersed Concentrated Use Area

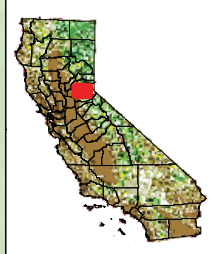
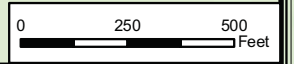
Other Facilities

PG & E Transmission Lines:

- 230 kV
- 60 kV

Designated Boundary

- Eldorado National Forest

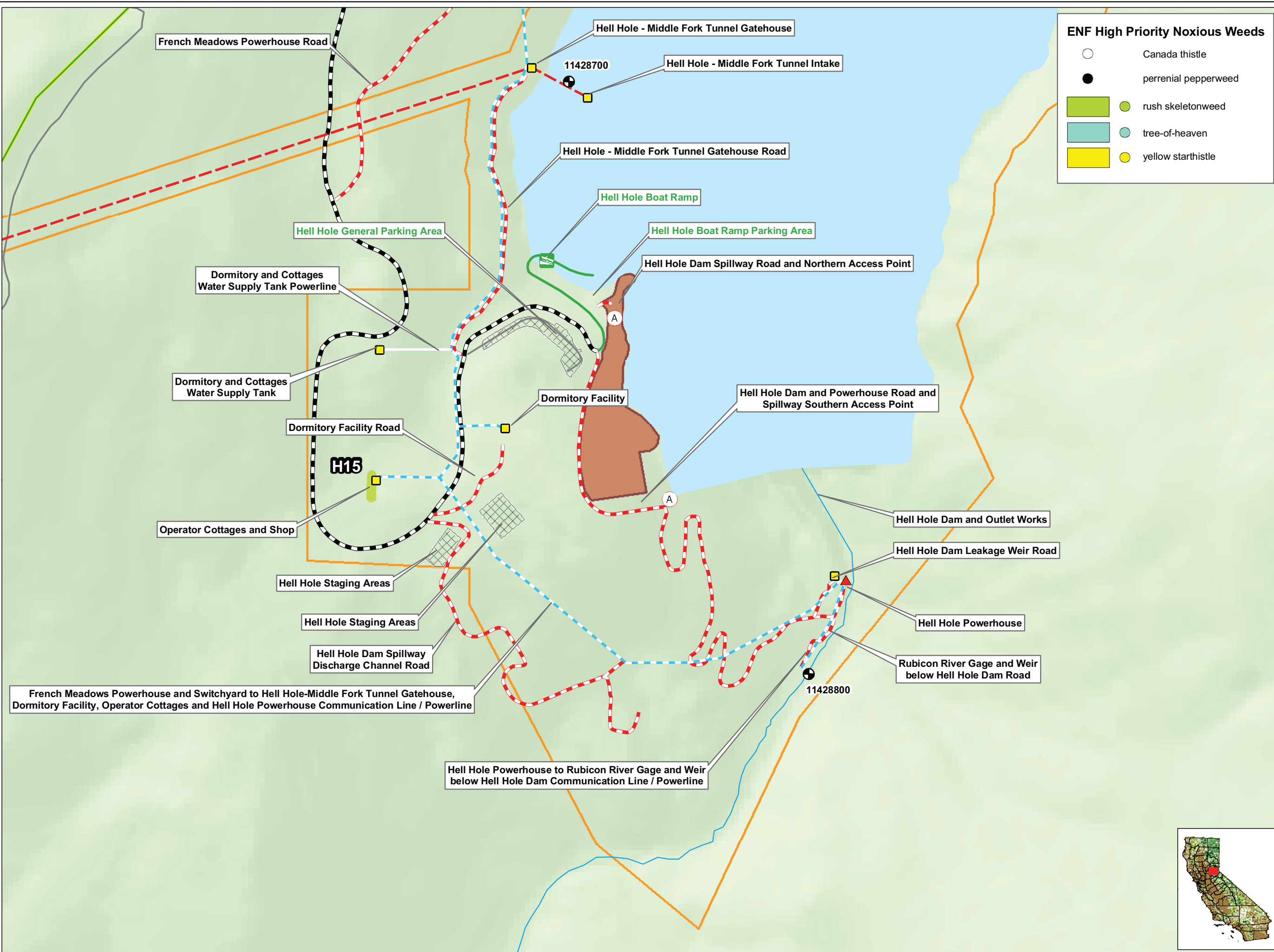


Placer County Water Agency
Middle Fork American River Project
Map TERR 3-4c
Location of ENF-Rated High Priority Noxious Weed Populations in Relation to Existing Project Facilities and Features, Project Recreation Facilities, and Dispersed Concentrated Use Areas within the Eldorado National Forest Long Canyon Area

0 0.25 0.5 Miles

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

Date: 3/18/09



ENF High Priority Noxious Weeds

- Canada thistle
- perennial pepperweed
- rush skeletonweed
- tree-of-heaven
- yellow starthistle

PCWA Facilities and Features

- Dam
- Ancillary and Other Facilities
- Powerhouse
- + Gage
- Penstock
- Tunnel
- Pipeline
- A Access Point
- 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
- Recreation Water Supply Facility Access Road or Trail
- Other Road

Project Recreation Facilities

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

Other Facilities

PG & E Transmission Lines:

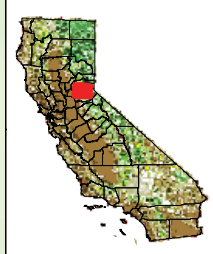
- 230 kV
- 60 kV


Designated Boundary

- Eldorado National Forest


French Meadows Powerhouse and Switchyard to Hell Hole-Middle Fork Tunnel Gatehouse, Dormitory Facility, Operator Cottages and Hell Hole Powerhouse Communication Line / Powerline

Hell Hole Powerhouse to Rubicon River Gage and Weir below Hell Hole Dam Communication Line / Powerline

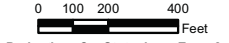




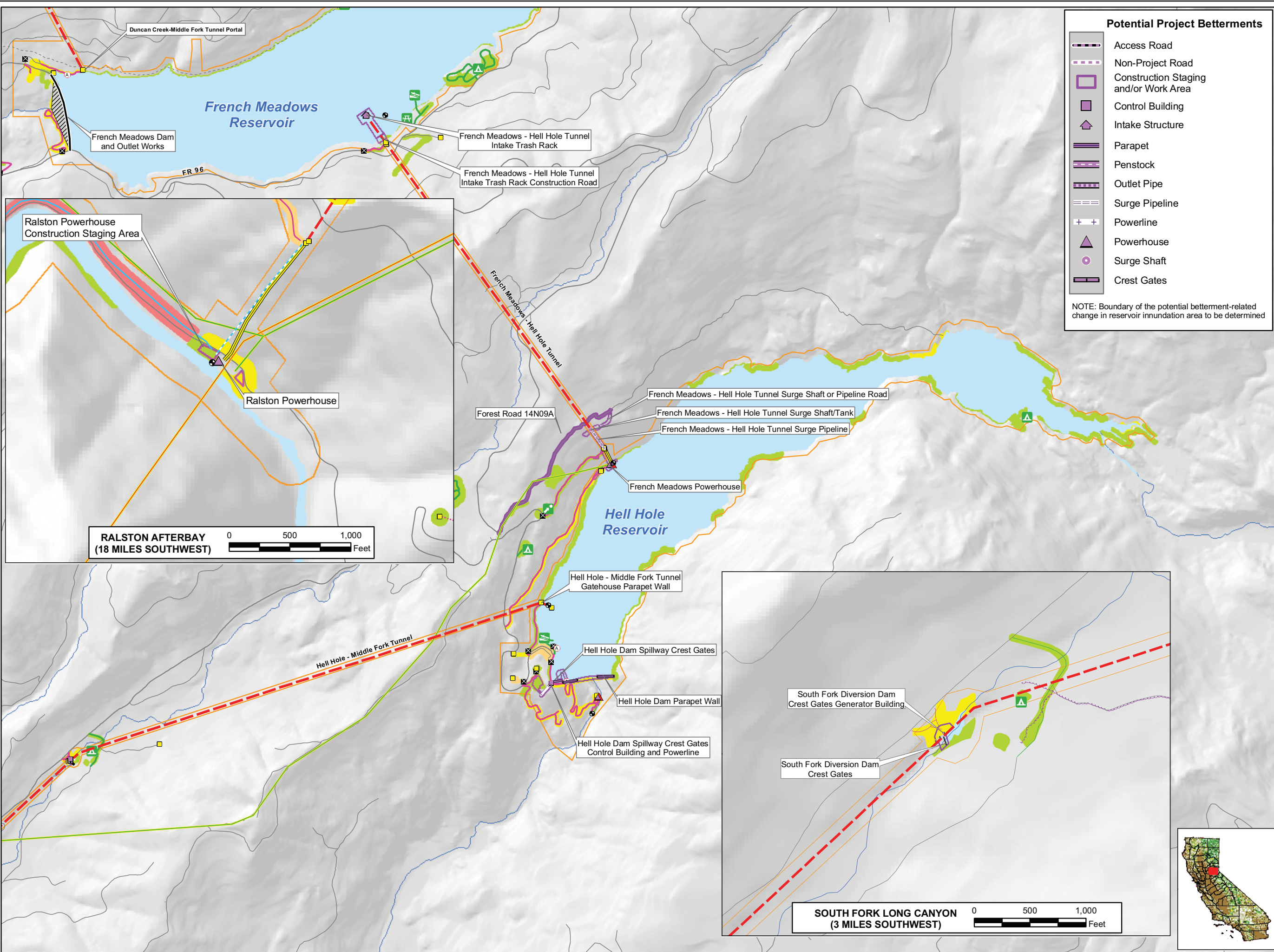
Placer County Water Agency
Middle Fork American River Project
Map TERR 3-4d
Location of ENF-Rated High Priority Noxious Weed Populations in Relation to Existing Project Facilities and Features, Project Recreation Facilities, and Dispersed Concentrated Use Areas within the Eldorado National Forest Hell Hole Area



Date: 3/18/09



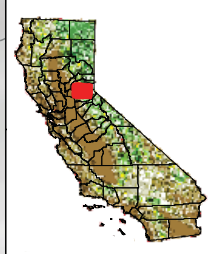
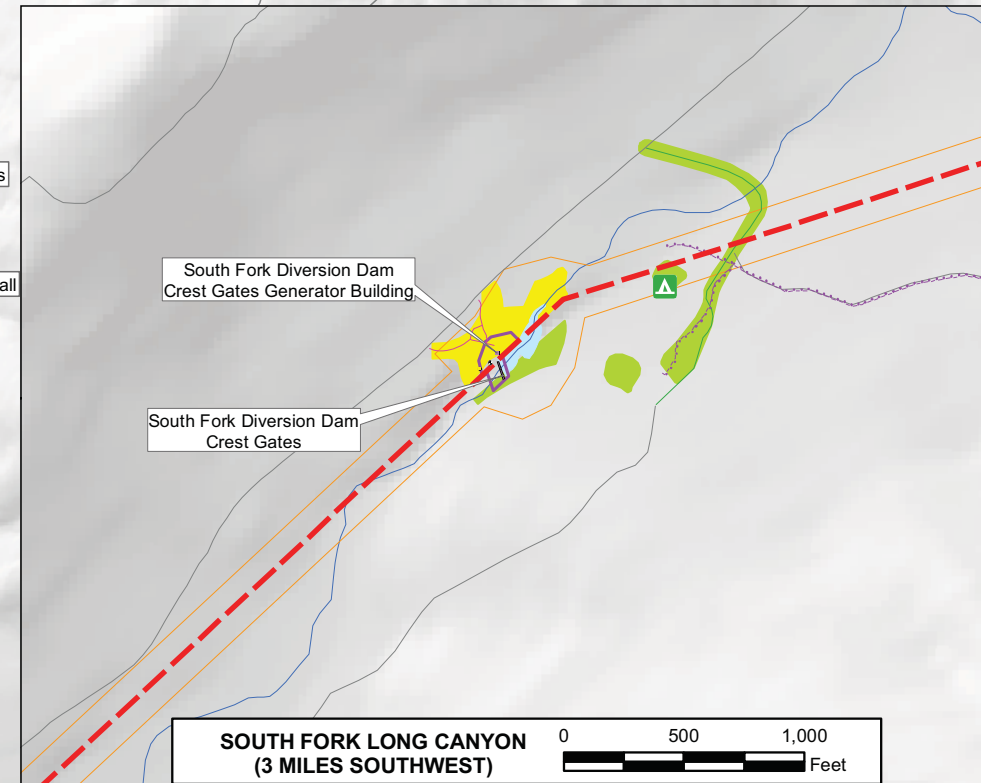
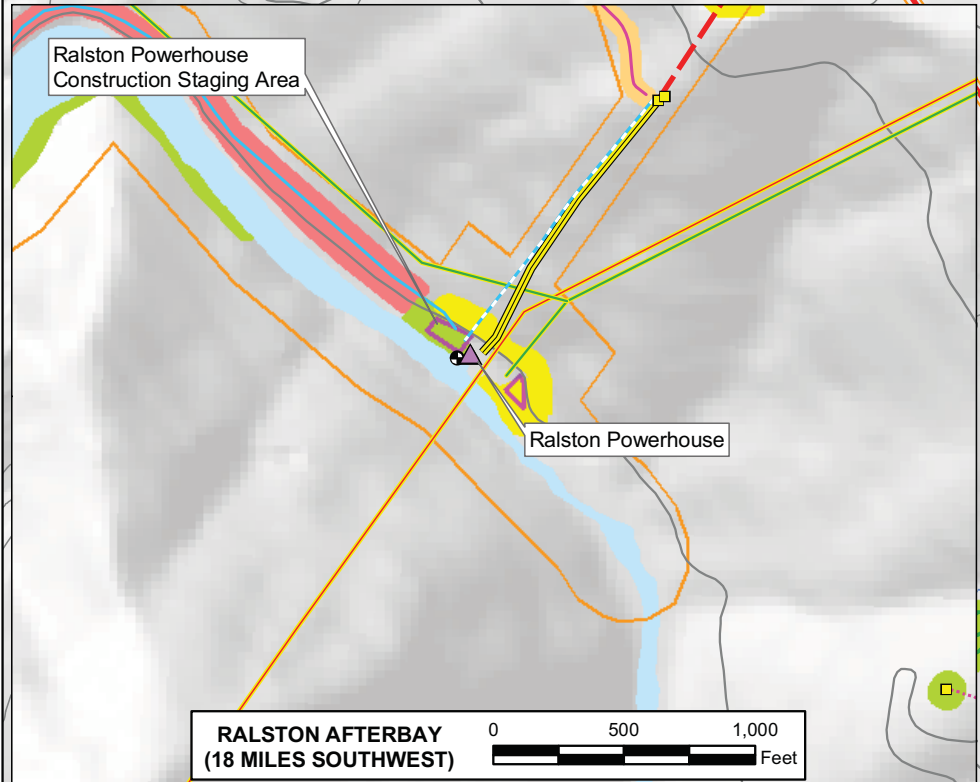
Projection: Ca. Stateplane, Zone 2
Datum: NAD 83



- ### 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

NOTE: Boundary of the potential betterment-related change in reservoir inundation area to be determined

- ### 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
- ### Noxious Weeds (with Polygon IDs)
- 1 - 4 Species Detected
 - 5 - 8 Species Detected
 - 9 - 12 Species Detected
 - 13 - 16 Species Detected



Placer County Water Agency
Middle Fork American River Project

Map TERR 3-5

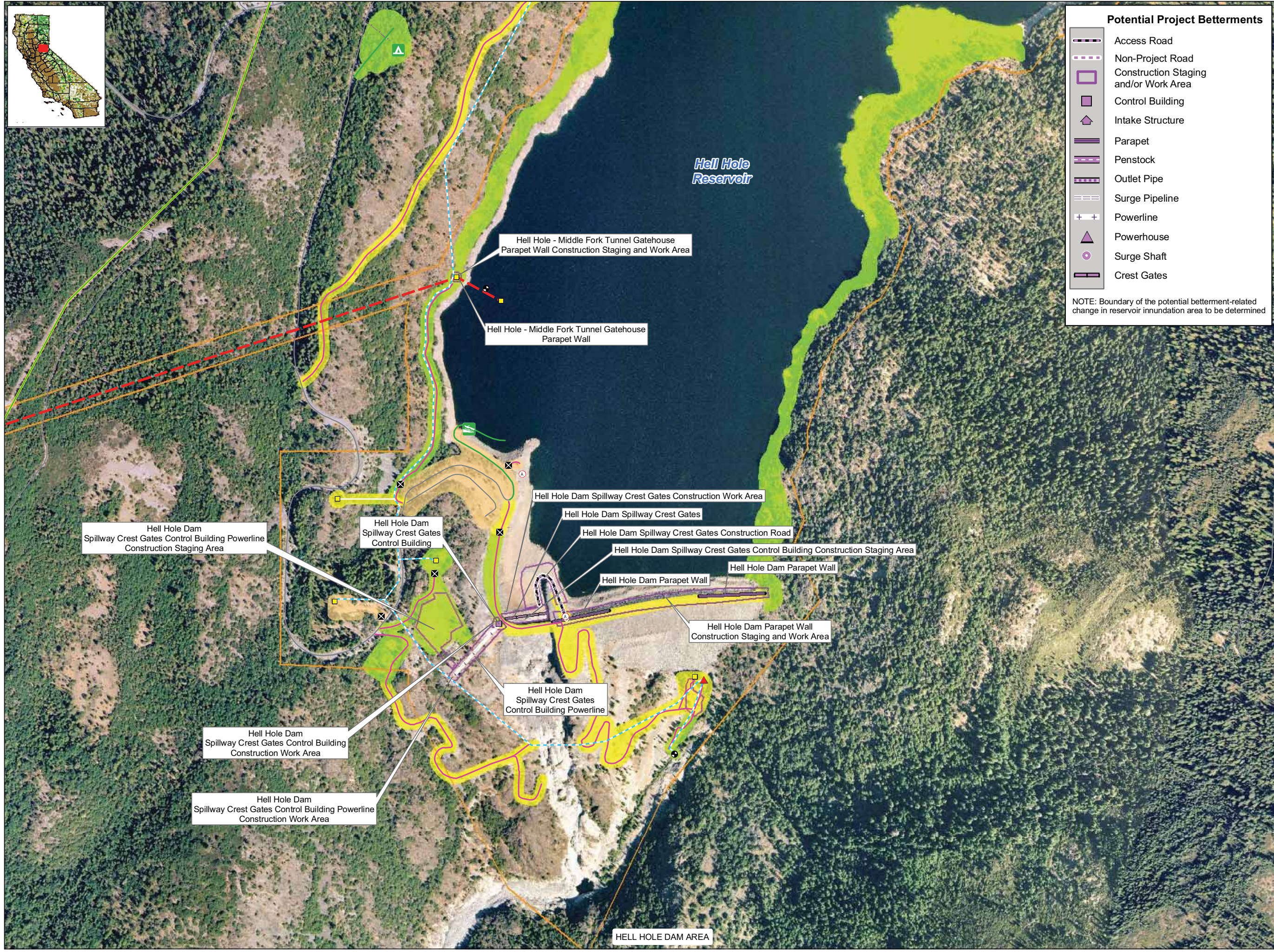
**Location of Noxious Weed Populations
Associated with Potential Project Betterments**

Overview Map

0 0.25 0.5 Miles

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

Date: 3/18/09



- ### 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

NOTE: Boundary of the potential betterment-related change in reservoir inundation area to be determined

- ### PCWA Facilities and Features
- Dam
 - Ancillary and Other Facilities
 - Powerhouse
 - Gage
 - Penstock
 - Tunnel
 - Gate
 - Access Point
 - Public Safety Fence
 - FERC Boundary
- ### Project Power and Communication Lines:
- Communication
 - Power
 - Power (underground)
 - Communication/Power
 - Communication/Power (underground)

- ### Transportation
- Road
 - Project Road
 - Project Trail
 - Recreation Access 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
- ### Noxious Weeds (with Polygon IDs)
- 1 - 4 Species Detected
 - 5 - 8 Species Detected
 - 9 - 12 Species Detected
 - 13 - 16 Species Detected

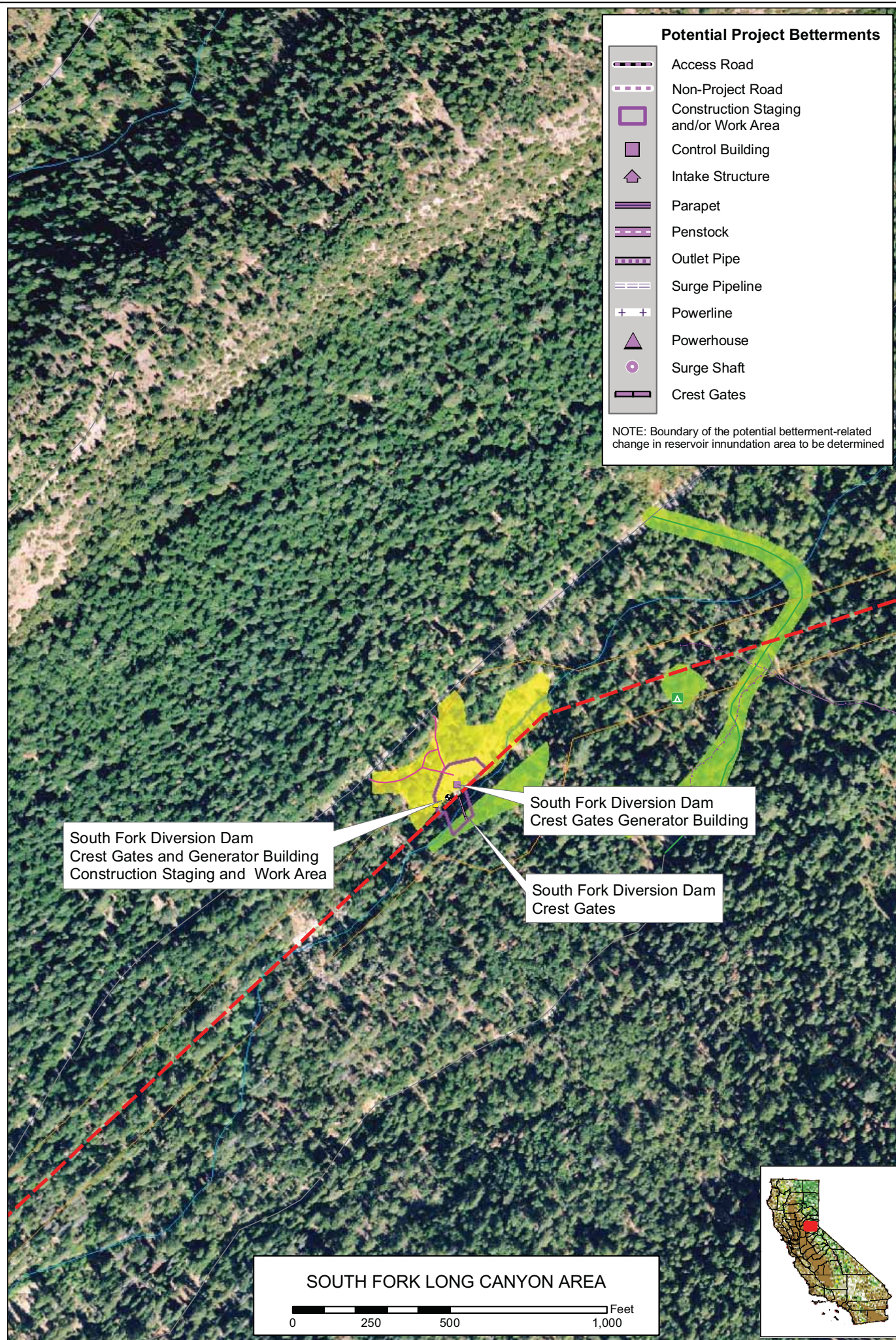
Placer County Water Agency
Middle Fork American River Project

Map TERR 3-5a

Location of Noxious Weed Populations Associated with the Hell Hole Reservoir Seasonal Storage Increase Betterment

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

Date: 3/18/09



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

NOTE: Boundary of the potential betterment-related change in reservoir inundation area to be determined

PCWA Facilities and Features

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

Project Power and Communication Lines:

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

Transportation

- Road
- Project Road
- Project Trail
- Recreation Access 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

Noxious Weeds (with Polygon IDs)

- 1 - 4 Species Detected
- 5 - 8 Species Detected
- 9 - 12 Species Detected
- 13 - 16 Species Detected

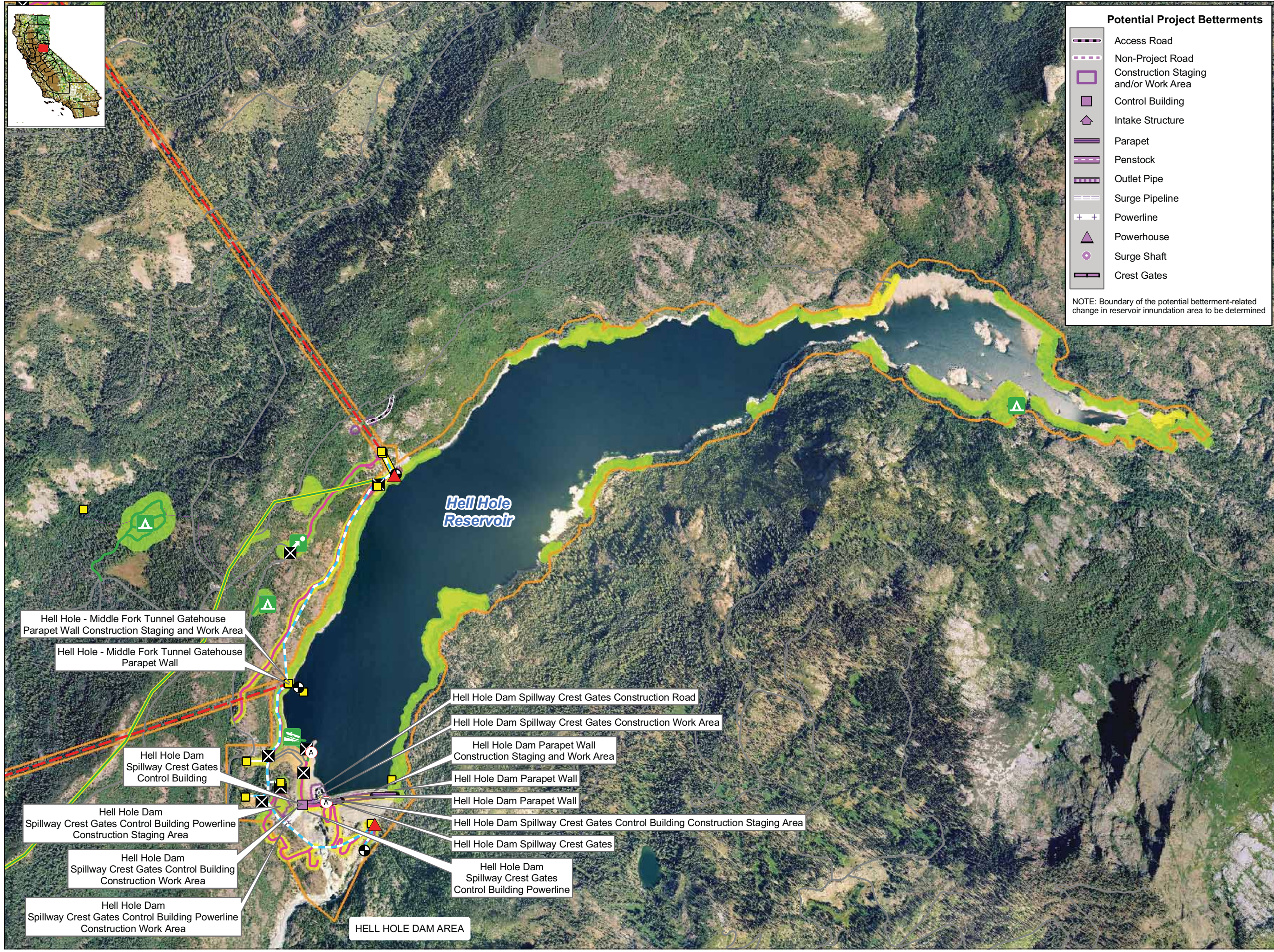
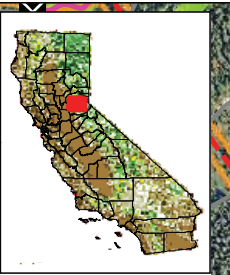
Placer County Water Agency
Middle Fork American River Project

Map TERR 3-5b

Location of Noxious Weed Populations Associated with the Hell Hole Reservoir Seasonal Storage Increase Betterment

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

Date: 3/18/09



- ### 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

NOTE: Boundary of the potential betterment-related change in reservoir inundation area to be determined

- ### PCWA Facilities and Features
- Dam
 - Ancillary and Other Facilities
 - Powerhouse
 - Gage
 - Penstock
 - Tunnel
 - Gate
 - Access Point
 - Public Safety Fence
 - FERC Boundary
- ### Project Power and Communication Lines:
- Communication
 - Power
 - Power (underground)
 - Communication/Power
 - Communication/Power (underground)
- ### Transportation
- Road
 - Project Road
 - Project Trail
 - Recreation Access 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
- ### Noxious Weeds (with Polygon IDs)
- 1 - 4 Species Detected
 - 5 - 8 Species Detected
 - 9 - 12 Species Detected
 - 13 - 16 Species Detected

- Hell Hole - Middle Fork Tunnel Gatehouse Parapet Wall Construction Staging and Work Area
- Hell Hole - Middle Fork Tunnel Gatehouse Parapet Wall
- Hell Hole Dam Spillway Crest Gates Construction Road
- Hell Hole Dam Spillway Crest Gates Construction Work Area
- Hell Hole Dam Parapet Wall Construction Staging and Work Area
- Hell Hole Dam Parapet Wall
- Hell Hole Dam Parapet Wall
- Hell Hole Dam Spillway Crest Gates Control Building Construction Staging Area
- Hell Hole Dam Spillway Crest Gates
- Hell Hole Dam Spillway Crest Gates Control Building Powerline
- Hell Hole Dam Spillway Crest Gates Control Building Construction Work Area
- Hell Hole Dam Spillway Crest Gates Control Building Powerline Construction Work Area
- HELL HOLE DAM AREA

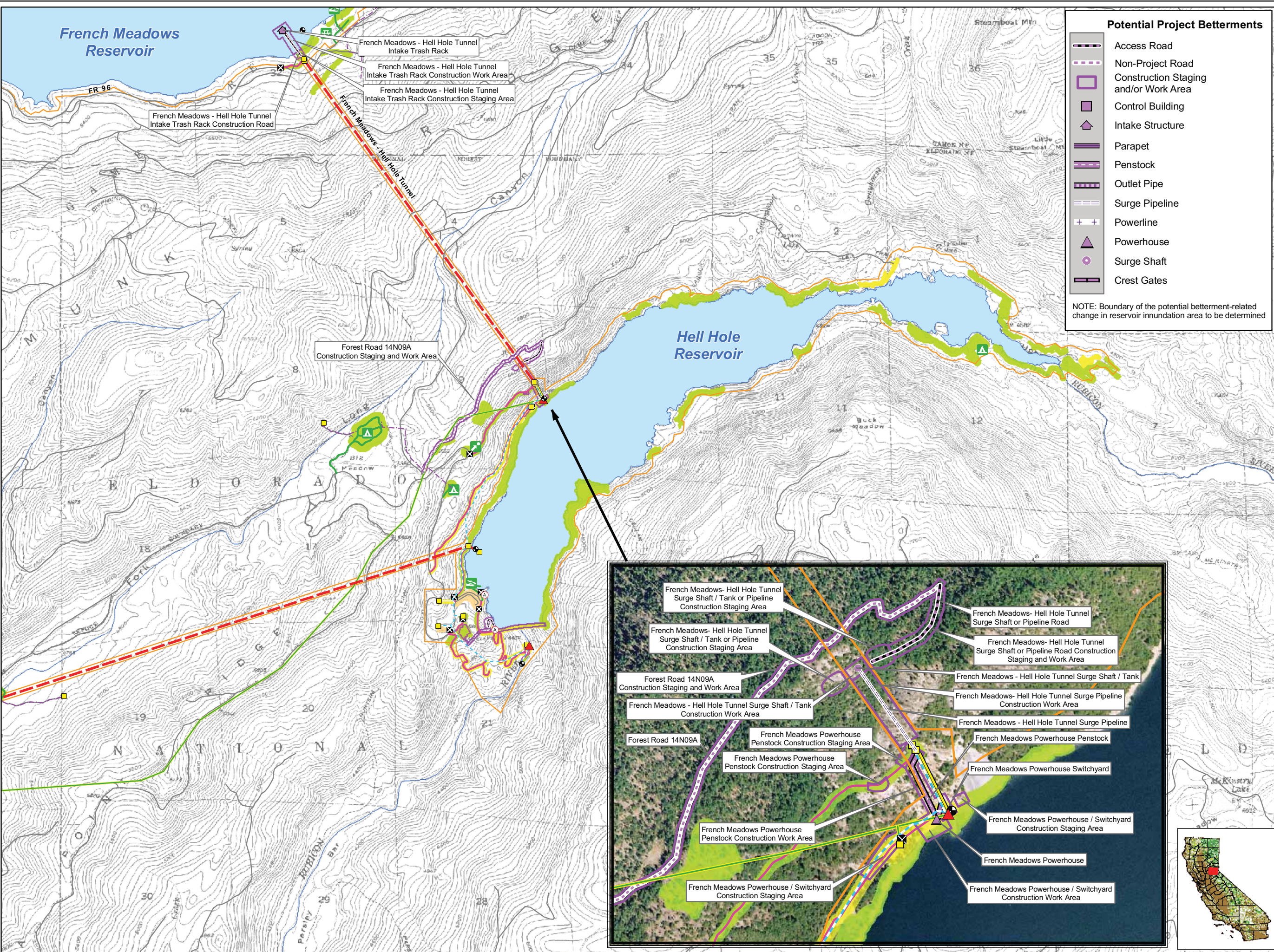
Placer County Water Agency
Middle Fork American River Project

Map TERR 3-5c

Location of Noxious Weed Populations Associated with the Hell Hole Reservoir Seasonal Storage Increase Betterment

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

Date: 3/18/09



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

NOTE: Boundary of the potential betterment-related change in reservoir inundation area to be determined

PCWA Facilities and Features

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

Project Power and Communication Lines:

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

Transportation

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

Project Recreation Facilities

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

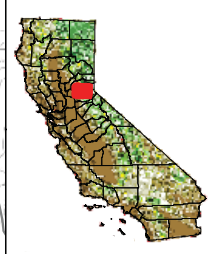
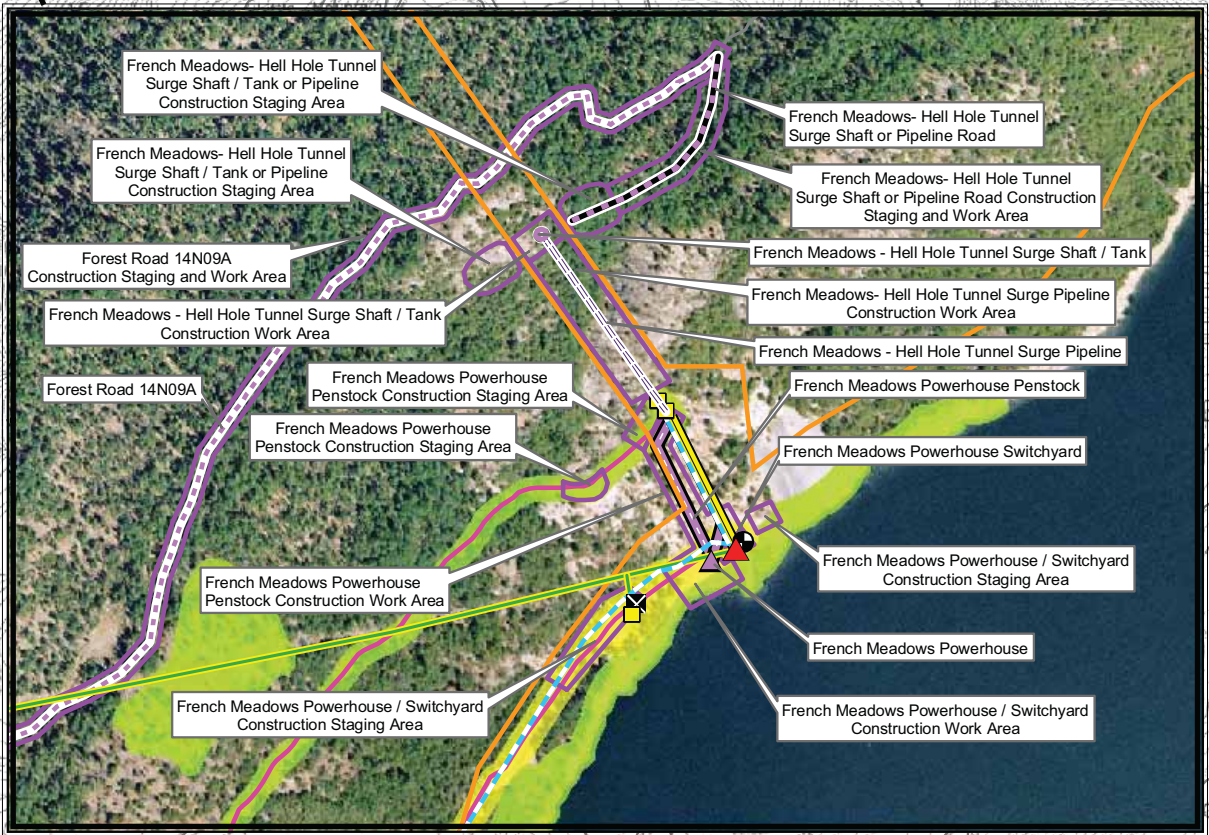
Other Facilities

PG & E Transmission Lines:

- 230 kV
- 60 kV

Noxious Weeds (with Polygon IDs)

- 1 - 4 Species Detected
- 5 - 8 Species Detected
- 9 - 12 Species Detected
- 13 - 16 Species Detected



Placer County Water Agency
Middle Fork American River Project

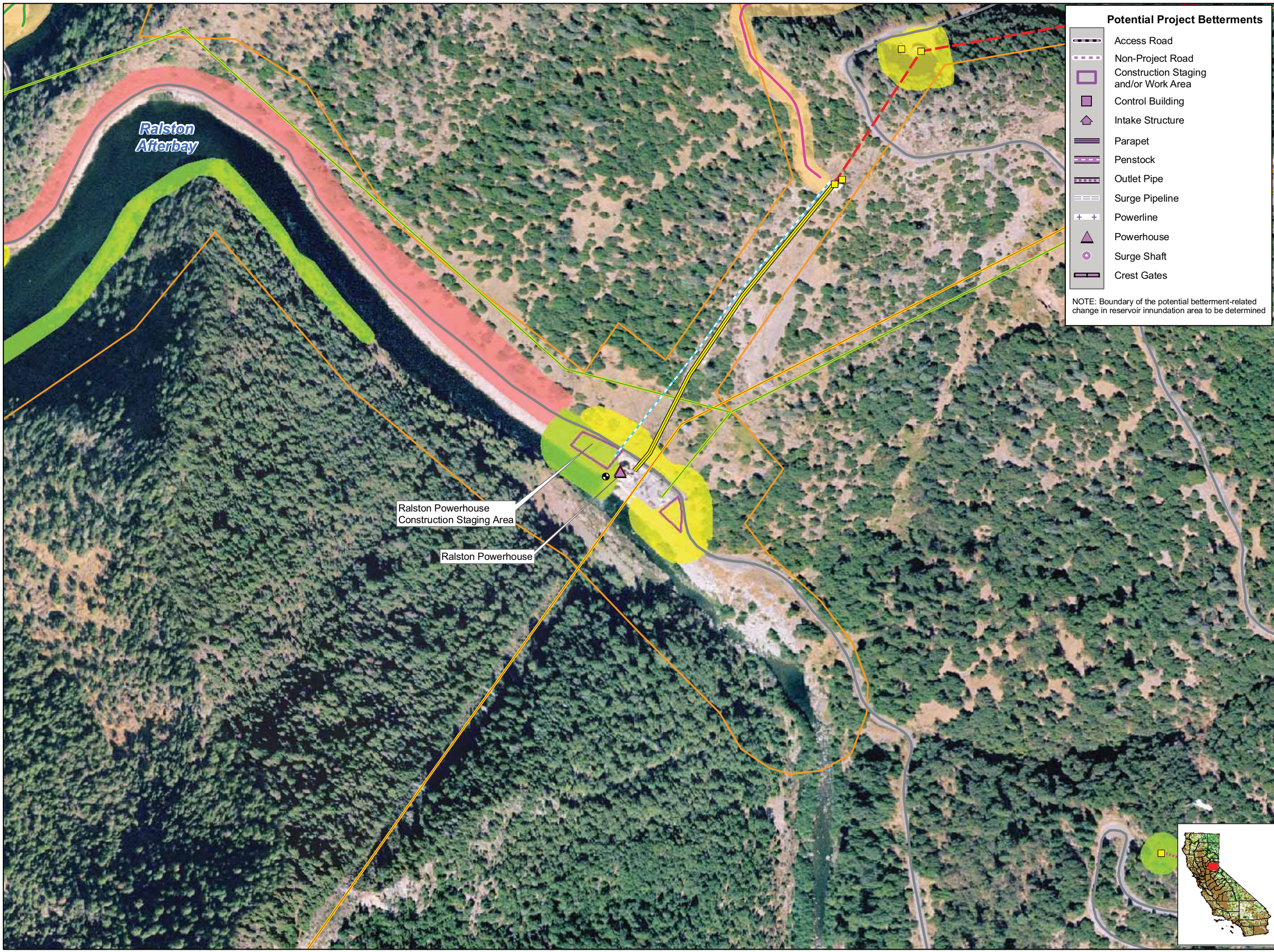
Map TERR 3-5d

Location of Noxious Weed Populations Associated with the French Meadows Powerhouse Capacity Upgrade Betterment

Date: 3/18/09

0 0.25 0.5 Miles

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



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

NOTE: Boundary of the potential betterment-related change in reservoir inundation area to be determined

PCWA Facilities and Features

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

Project Power and Communication Lines:

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

Transportation

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

Project Recreation Facilities

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

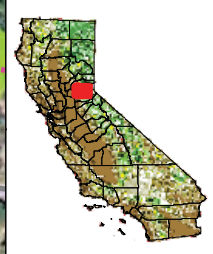
Other Facilities

PG & E Transmission Lines:

- 230 kV
- 60 kV

Noxious Weeds (with Polygon IDs)

- 1 - 4 Species Detected
- 5 - 8 Species Detected
- 9 - 12 Species Detected
- 13 - 16 Species Detected



PCWA

Placer County Water Agency
Middle Fork American River Project

Map TERR 3-5e

**Location of Noxious Weed Populations
Associated with the Ralston
Powerhouse Capacity Upgrade Betterment**

0 125 250 Feet

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

Date: 3/18/09



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

NOTE: Boundary of the potential betterment-related change in reservoir inundation area to be determined

PCWA Facilities and Features

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

Project Power and Communication Lines:

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

Transportation

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

Project Recreation Facilities

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

Other Facilities

PG & E Transmission Lines:

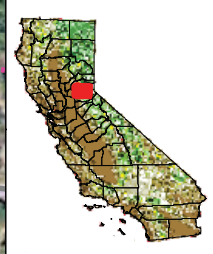
- 230 kV
- 60 kV

ENF Moderate Priority Noxious Weeds

- Malta starthistle (tocalote)
- Italian thistle

Ralston Powerhouse Construction Staging Area

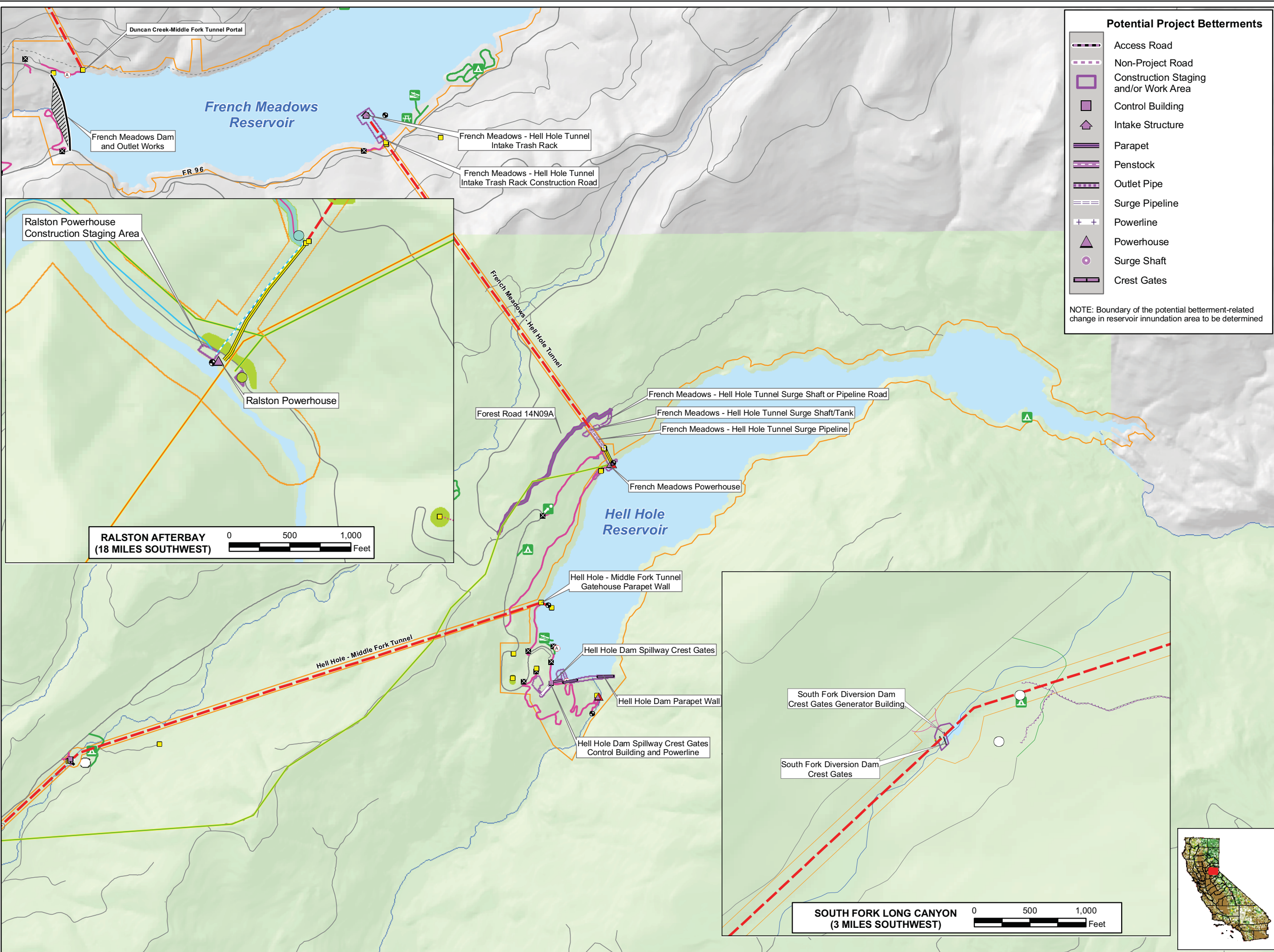
Ralston Powerhouse



PCWA
Placer County Water Agency
Middle Fork American River Project
Map TERR 3-6

Location of ENF-Rated Moderate Priority Noxious Weed Populations Associated with Potential Project Betterments within the Eldorado National Forest
Ralston Powerhouse Capacity Upgrade

0 125 250 Feet
Projection: Ca. Stateplane, Zone 2
Datum: NAD 83
Date: 3/19/09



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

NOTE: Boundary of the potential betterment-related change in reservoir inundation area to be determined

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

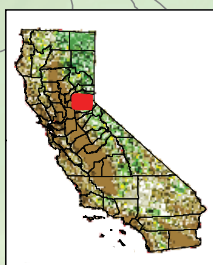
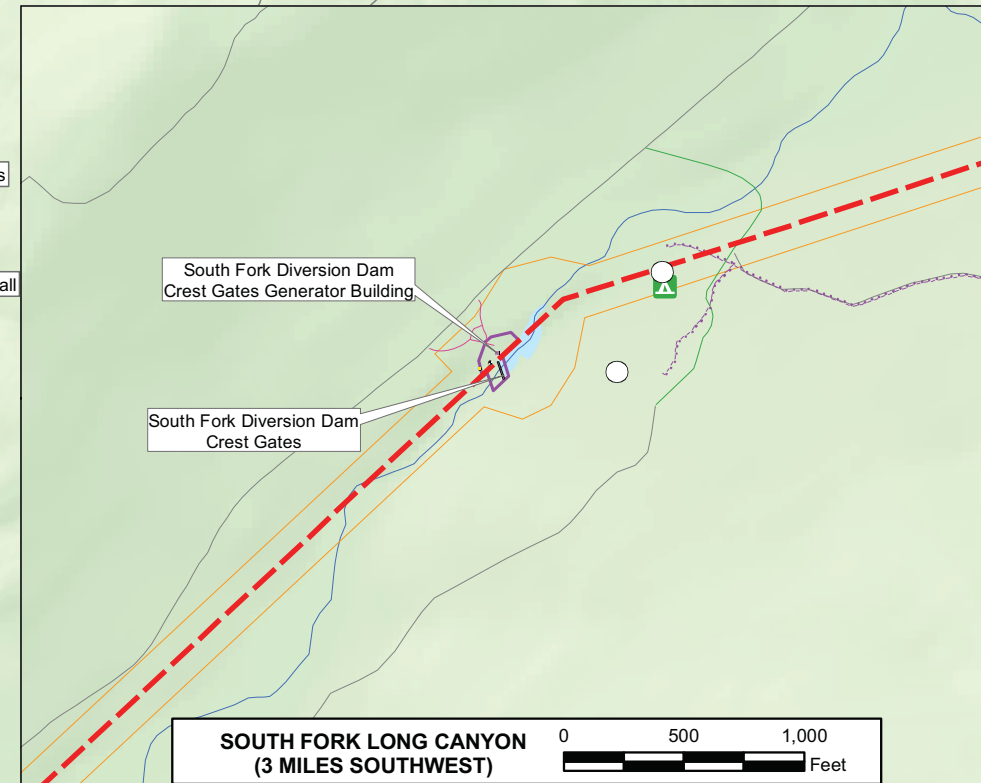
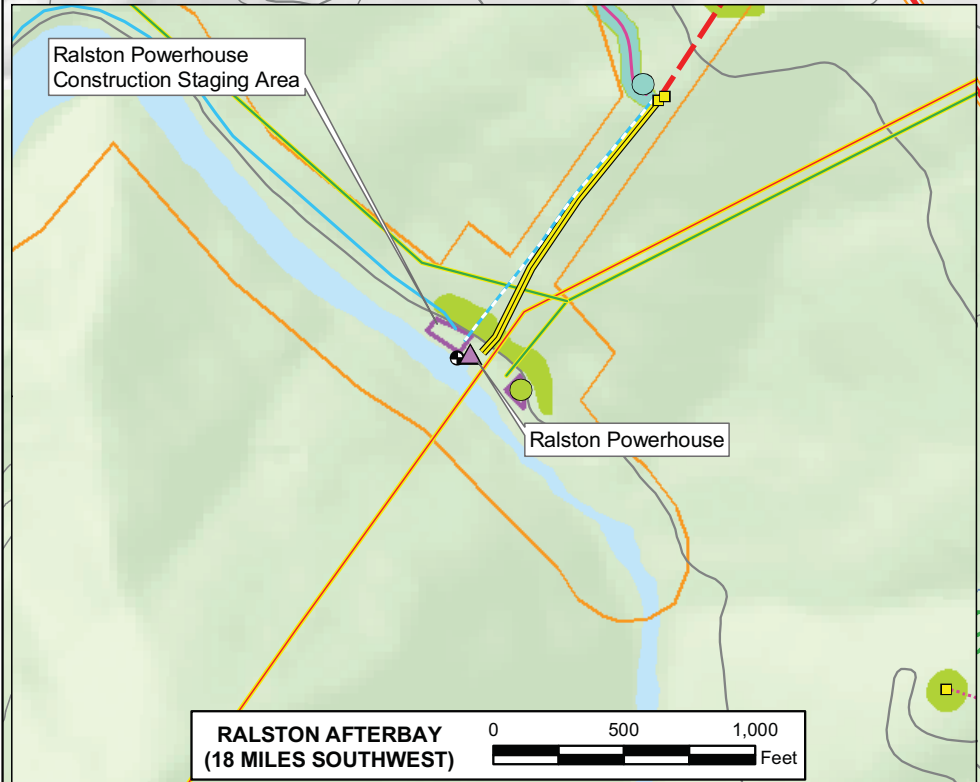
Other Facilities

PG & E Transmission Lines:

- 230 kV
- 60 kV

ENF High Priority Noxious Weeds

- Canada thistle
- perennial pepperweed
- rush skeletonweed
- tree-of-heaven
- yellow starthistle



Placer County Water Agency
Middle Fork American River Project
Map TERR 3-7
Location of ENF-Rated High Priority Noxious Weed Populations Associated with Potential Project Betterments within the Eldorado National Forest
Overview Map

Scale: 0, 0.25, 0.5 Miles
Projection: Ca. Stateplane, Zone 2
Datum: NAD 83
Date: 3/18/09