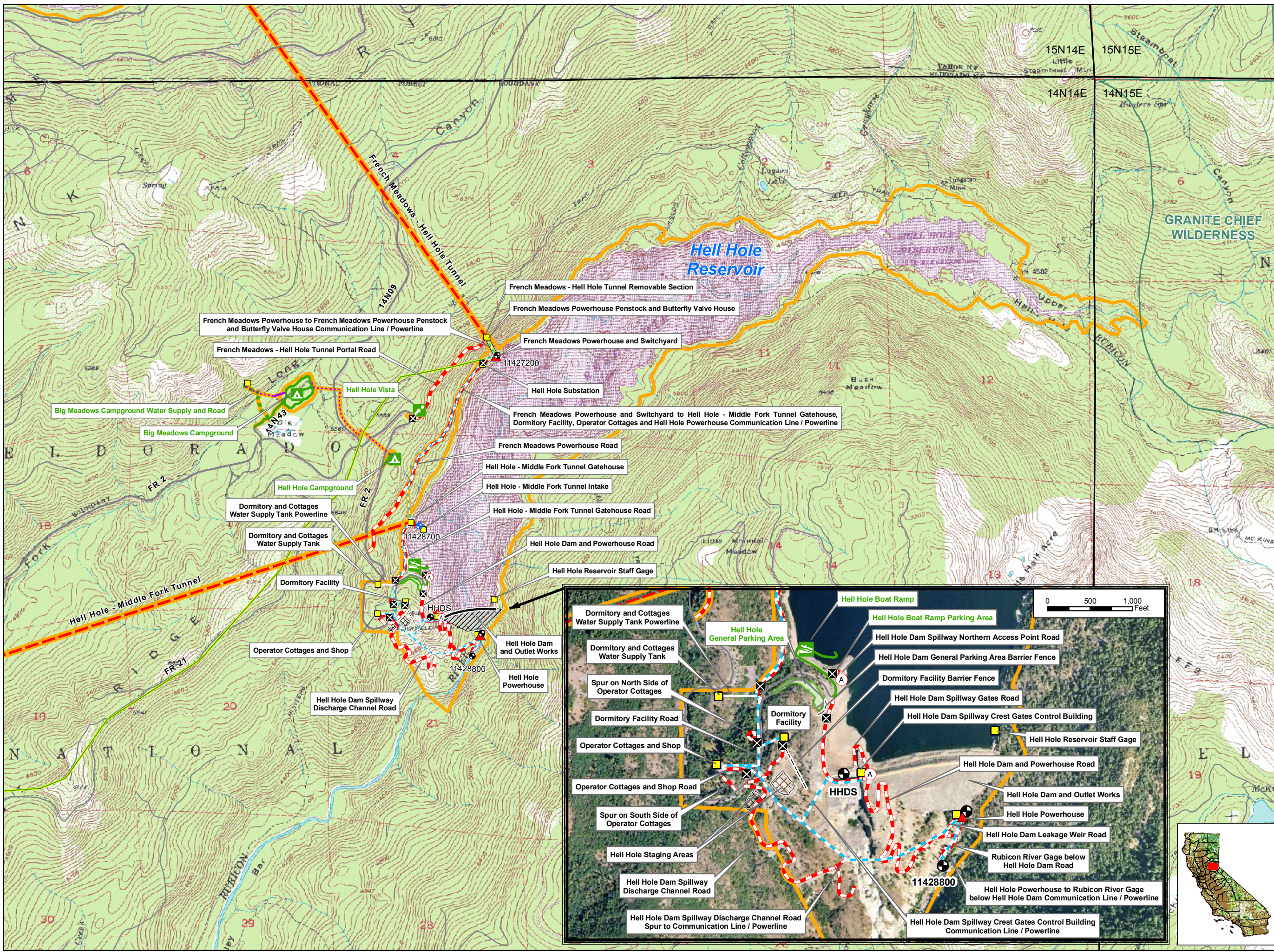


- PCWA Facilities and Features**
- Dam
  - Ancillary and Other Facilities
  - Powerhouse
  - Gage
  - Reservoir Gage
  - Penstock
  - Tunnel
  - Pipeline
  - Gate
  - Access Point
  - Public Safety Fence
  - FERC Boundary
- Project Power and Communication Lines:**
- Communication
  - Power
  - Power (underground)
  - Communication/Power
  - Communication/Power (underground)
- Transportation**
- Road
  - Project Road
  - Project Trail
  - Recreation Access Road
  - Recreation Facility Water Supply Access Road or Trail
- Project Recreation Facilities**
- Picnic Area
  - Boat Ramp
  - Scenic Viewpoint
  - Developed Campground
  - Trailer Sanitary Station
  - Water Supply Line (Above ground)
  - Water Supply Line (Buried)
- Other Facilities**
- PG & E Transmission Lines:
  - 230 kV
  - 60 kV

**PCWA**  
Placer County Water Agency  
Middle Fork American River Project

**Map 4-1a**  
**Duncan Creek, French Meadows Area**

0 0.25 0.5 Miles  
Projection: Ca. Stateplane, Zone 2  
Datum: NAD 83  
Date: 2/10/11



**PCWA Facilities and Features**

- Dam
- Ancillary and Other Facilities
- Powerhouse
- Gage
- Reservoir 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**

- Road
- Project Road
- Project Trail
- Recreation Access Road
- Recreation Facility Water Supply Access Road or Trail

**Project Recreation Facilities**

- Picnic Area
- Boat Ramp
- Scenic Viewpoint
- Developed Campground
- Trailer Sanitary Station
- Water Supply Line (Above ground)
- Water Supply Line (Buried)

**Other Facilities**

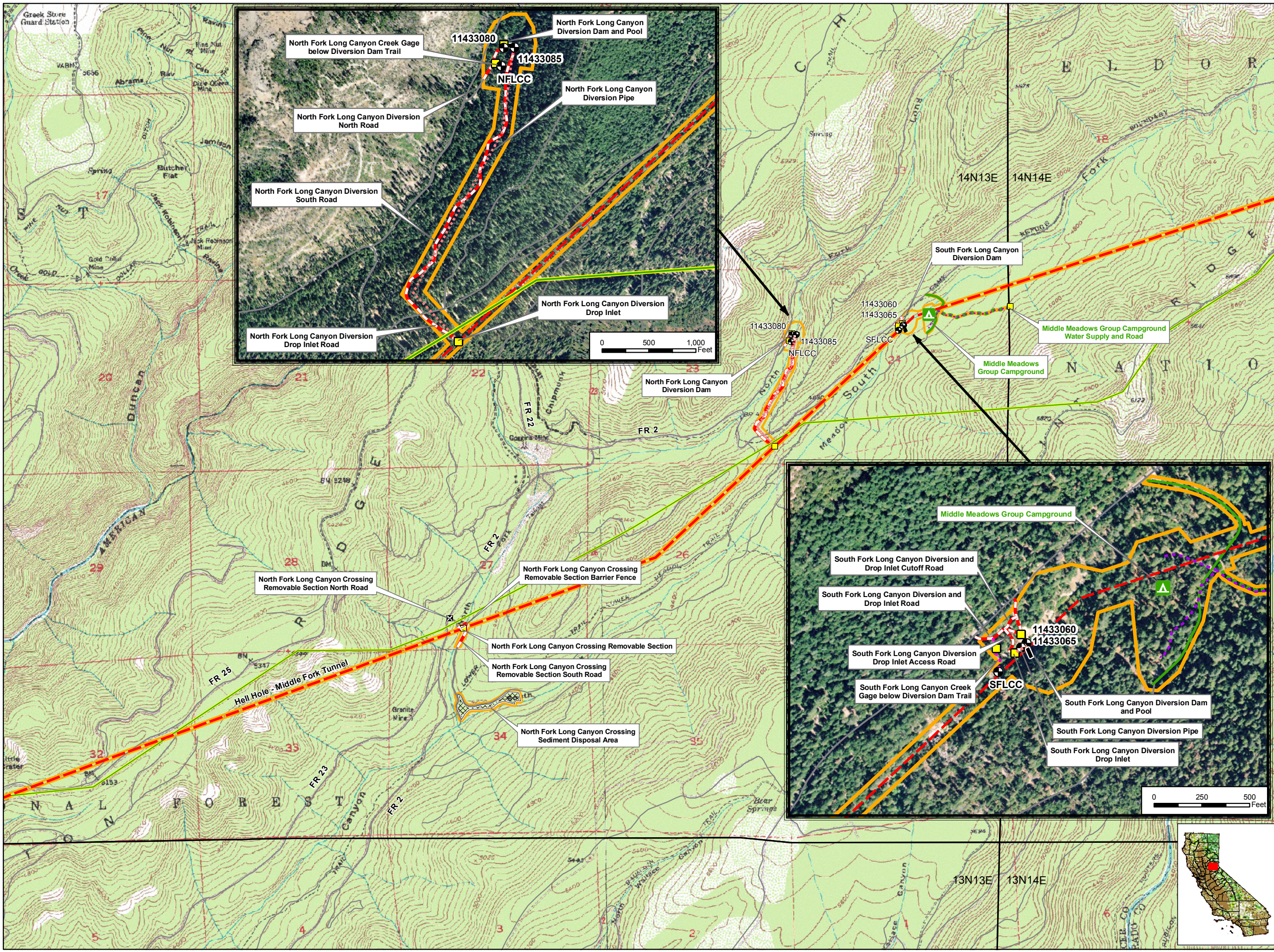
PG & E Transmission Lines:

- 230 kV
- 60 kV


**PCWA**  
Placer County Water Agency  
Middle Fork American River Project

**Map 4-1b**  
**Hell Hole Area**

0 0.25 0.5 Miles  
Projection: Ca. Stateplane, Zone 2  
Datum: NAD 83  
Date: 2/14/11

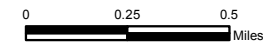


- PCWA Facilities and Features**
- Dam
  - Ancillary and Other Facilities
  - Powerhouse
  - Gage
  - Reservoir Gage
  - Penstock
  - Tunnel
  - Pipeline
  - Gate
  - Access Point
  - Public Safety Fence
  - FERC Boundary
- Project Power and Communication Lines:**
- Communication
  - Power
  - Power (underground)
  - Communication/Power
  - Communication/Power (underground)
- Transportation**
- Road
  - Project Road
  - Project Trail
  - Recreation Access Road
  - Recreation Facility Water Supply Access Road or Trail
- Project Recreation Facilities**
- Picnic Area
  - Boat Ramp
  - Scenic Viewpoint
  - Developed Campground
  - Trailer Sanitary Station
  - Water Supply Line (Above ground)
  - Water Supply Line (Buried)
- Other Facilities**
- PG & E Transmission Lines:
- 230 kV
  - 60 kV



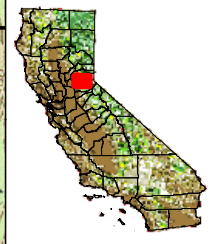
Placer County Water Agency  
Middle Fork American River Project

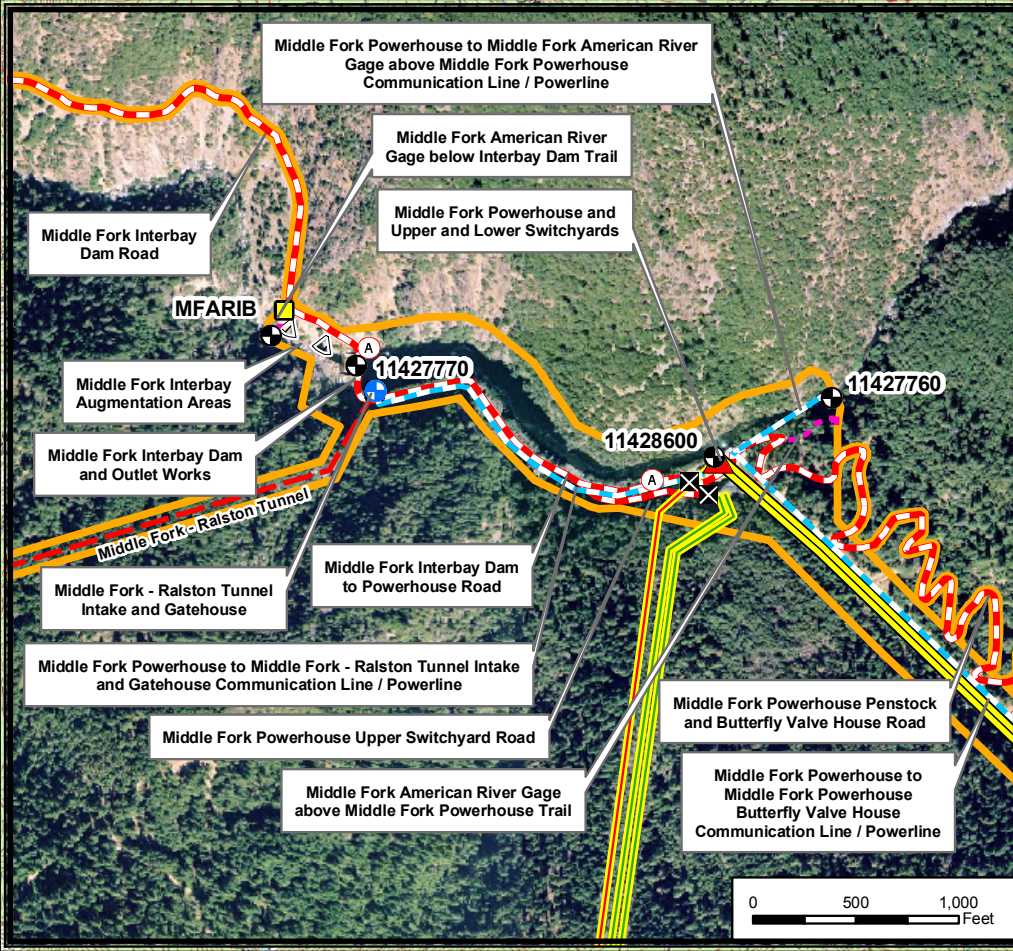
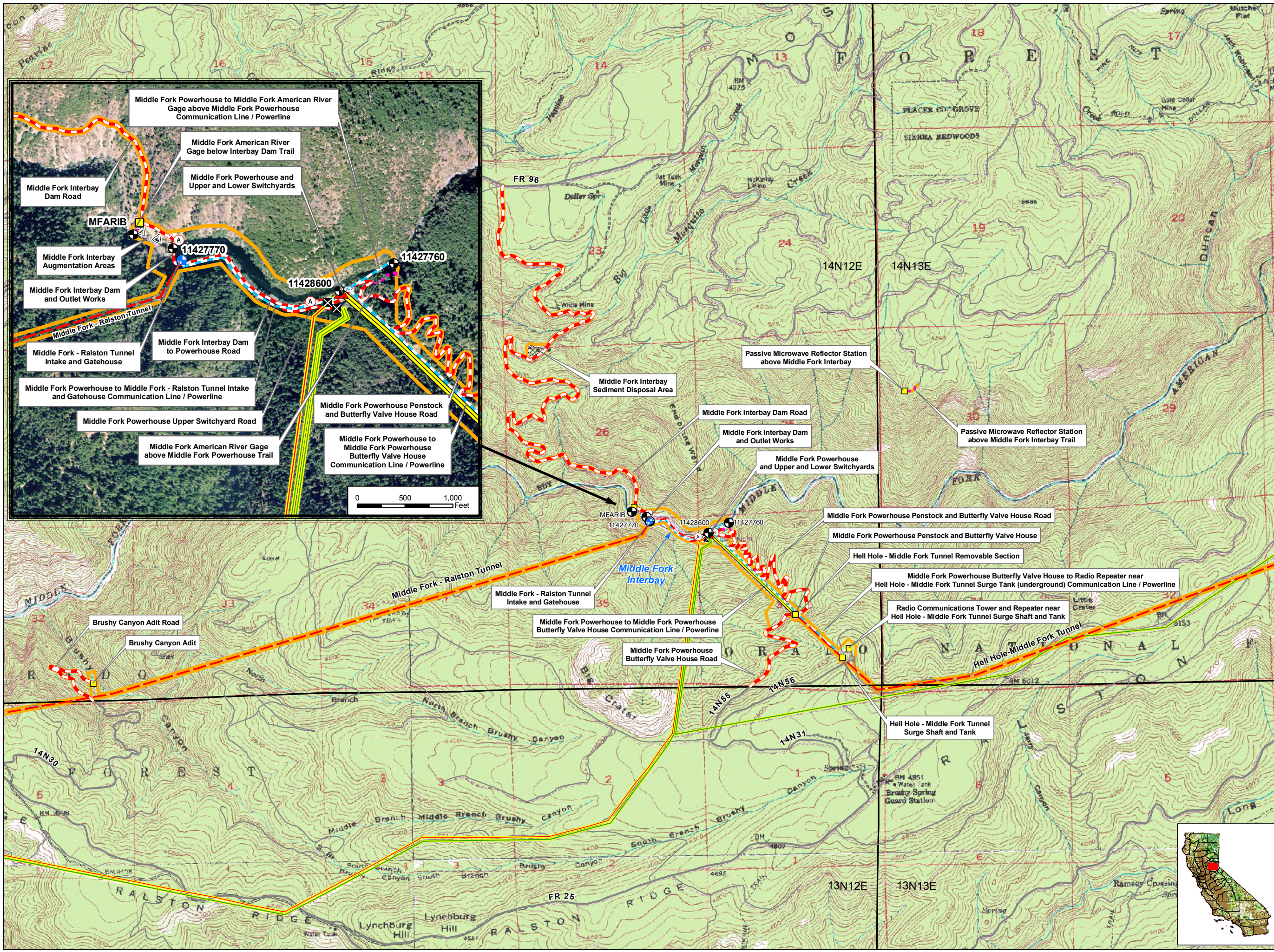
**Map 4-1c**  
**Long Canyon Area**



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

Date: 2/10/11





**PCWA Facilities and Features**

- Dam
- Ancillary and Other Facilities
- Powerhouse
- Gage
- Reservoir 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**

- Road
- Project Road
- Project Trail
- Recreation Access Road
- Recreation Facility Water Supply Access Road or Trail

**Project Recreation Facilities**

- Picnic Area
- Boat Ramp
- Scenic Viewpoint
- Developed Campground
- Trailer Sanitary Station
- Water Supply Line (Above ground)
- Water Supply Line (Buried)

**Other Facilities**

PG & E Transmission Lines:

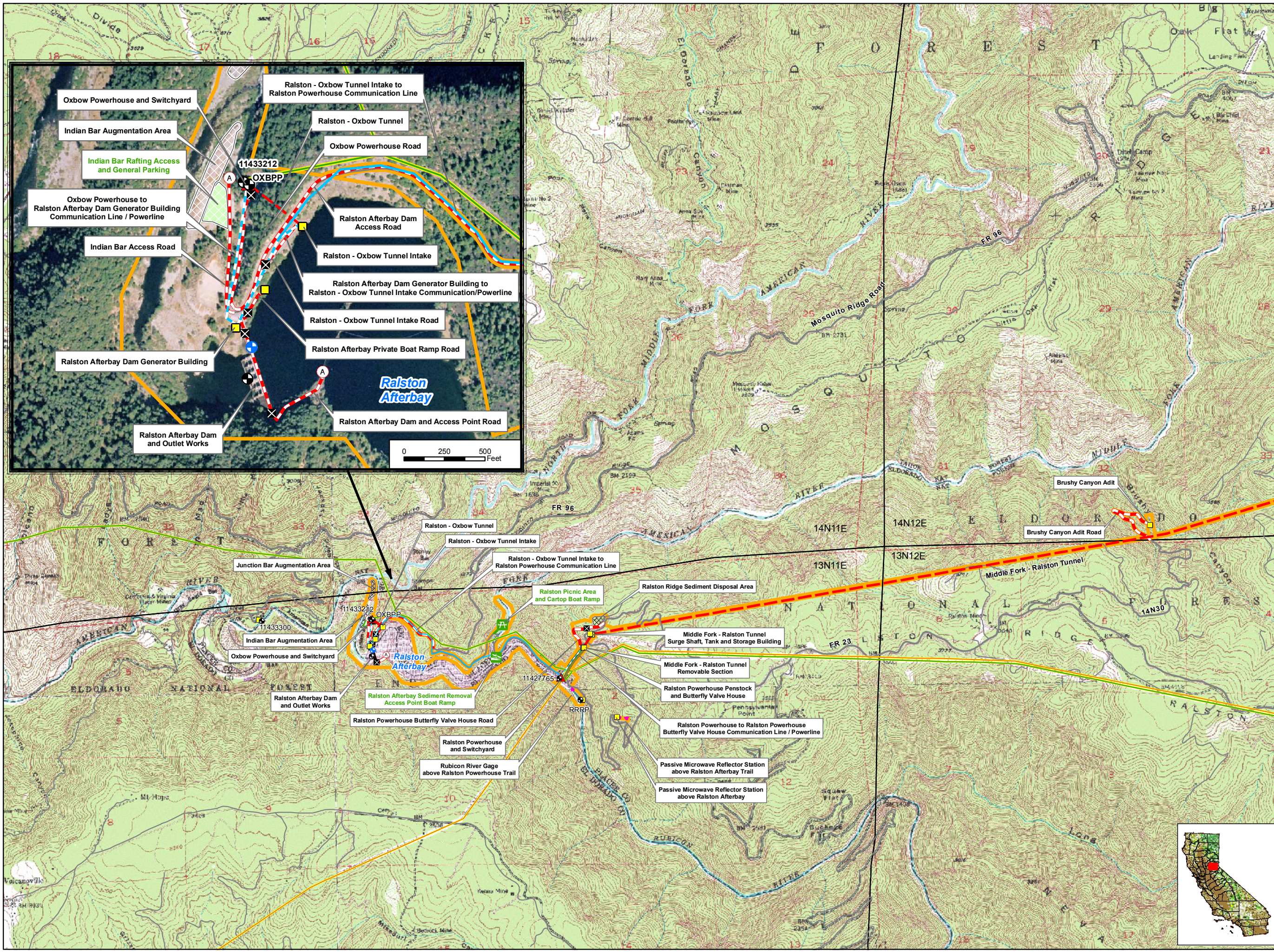
- 230 kV
- 60 kV

**PCWA**  
Placer County Water Agency  
Middle Fork American River Project

**Map 4-1d**  
**Middle Fork Interbay Area**

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

Date: 2/10/11



**Inset Map Labels:**

- Oxbow Powerhouse and Switchyard
- Indian Bar Augmentation Area
- Indian Bar Rafting Access and General Parking
- Oxbow Powerhouse to Ralston Afterbay Dam Generator Building Communication Line / Powerline
- Indian Bar Access Road
- Ralston Afterbay Dam Generator Building
- Ralston Afterbay Dam and Outlet Works
- Ralston - Oxbow Tunnel Intake to Ralston Powerhouse Communication Line
- Ralston - Oxbow Tunnel
- Oxbow Powerhouse Road
- Ralston Afterbay Dam Access Road
- Ralston - Oxbow Tunnel Intake
- Ralston Afterbay Dam Generator Building to Ralston - Oxbow Tunnel Intake Communication/Powerline
- Ralston - Oxbow Tunnel Intake Road
- Ralston Afterbay Private Boat Ramp Road
- Ralston Afterbay Dam and Access Point Road

Scale: 0 250 500 Feet

- PCWA Facilities and Features**
- Dam
  - Ancillary and Other Facilities
  - Powerhouse
  - Gage
  - Reservoir 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**
- Road
  - Project Road
  - Project Trail
  - Recreation Access Road
  - Recreation Facility Water Supply Access Road or Trail
- Project Recreation Facilities**
- Picnic Area
  - Boat Ramp
  - Scenic Viewpoint
  - Developed Campground
  - Trailer Sanitary Station
  - Water Supply Line (Above ground)
  - Water Supply Line (Buried)
- Other Facilities**
- PG & E Transmission Lines:
- 230 kV
  - 60 kV

**PCWA**  
Placer County Water Agency  
Middle Fork American River Project

**Map 4-1e**  
**Ralston, Oxbow Area**

Scale: 0 0.25 0.5 Miles  
Projection: Ca. Stateplane, Zone 2  
Datum: NAD 83  
Date: 2/10/11

**Land Jurisdictions / Ownership\***

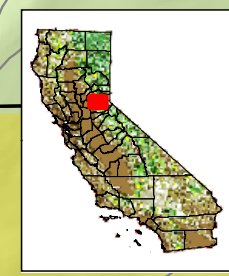
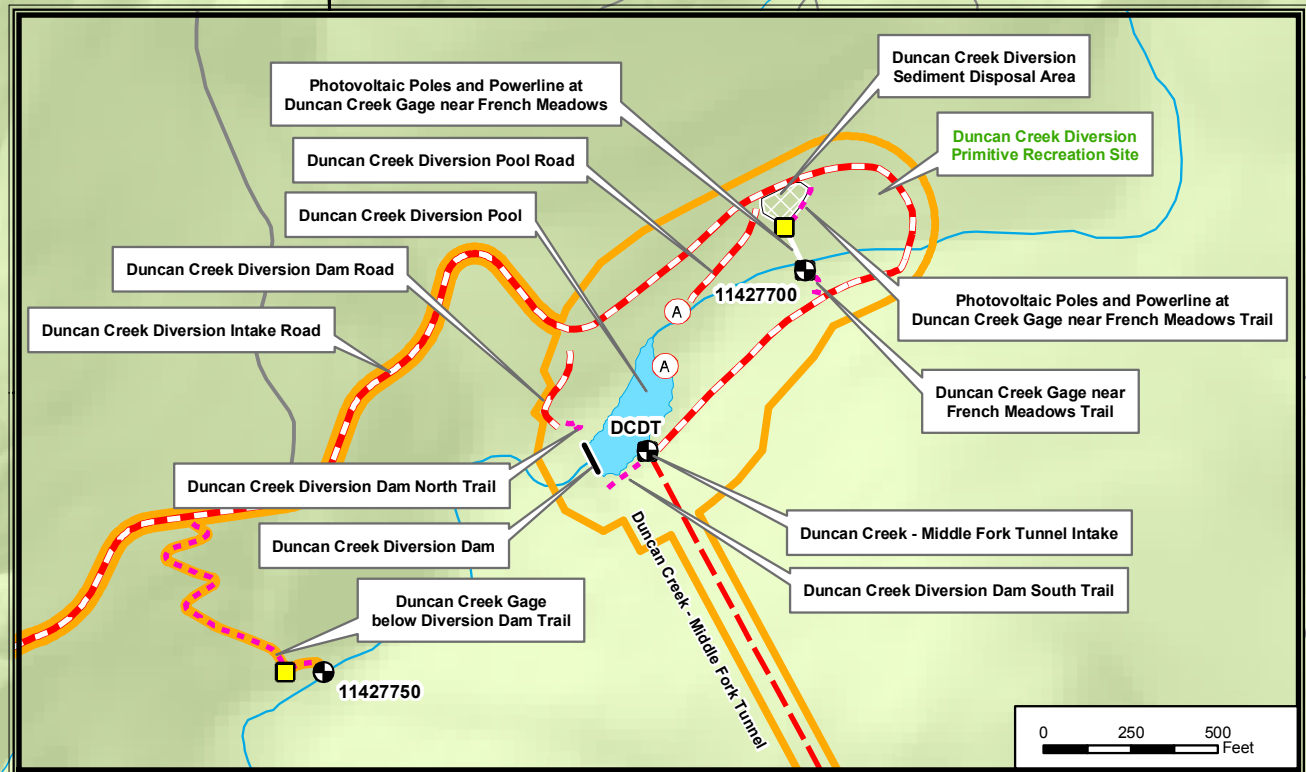
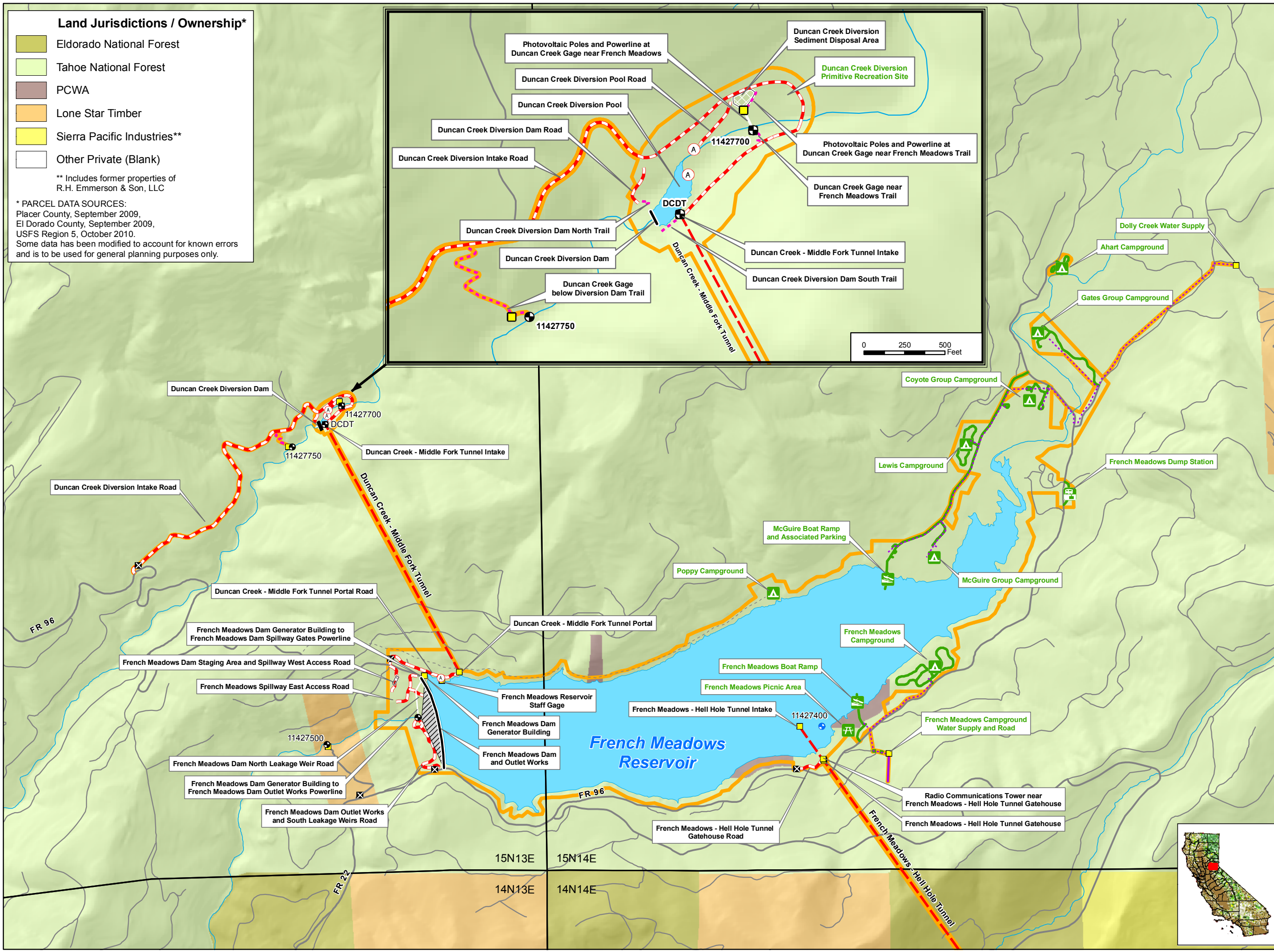
- Eldorado National Forest
- Tahoe National Forest
- PCWA
- Lone Star Timber
- Sierra Pacific Industries\*\*
- Other Private (Blank)

\*\* Includes former properties of R.H. Emmerson & Son, LLC

\* PARCEL DATA SOURCES:  
 Placer County, September 2009,  
 El Dorado County, September 2009,  
 USFS Region 5, October 2010.  
 Some data has been modified to account for known errors and is to be used for general planning purposes only.

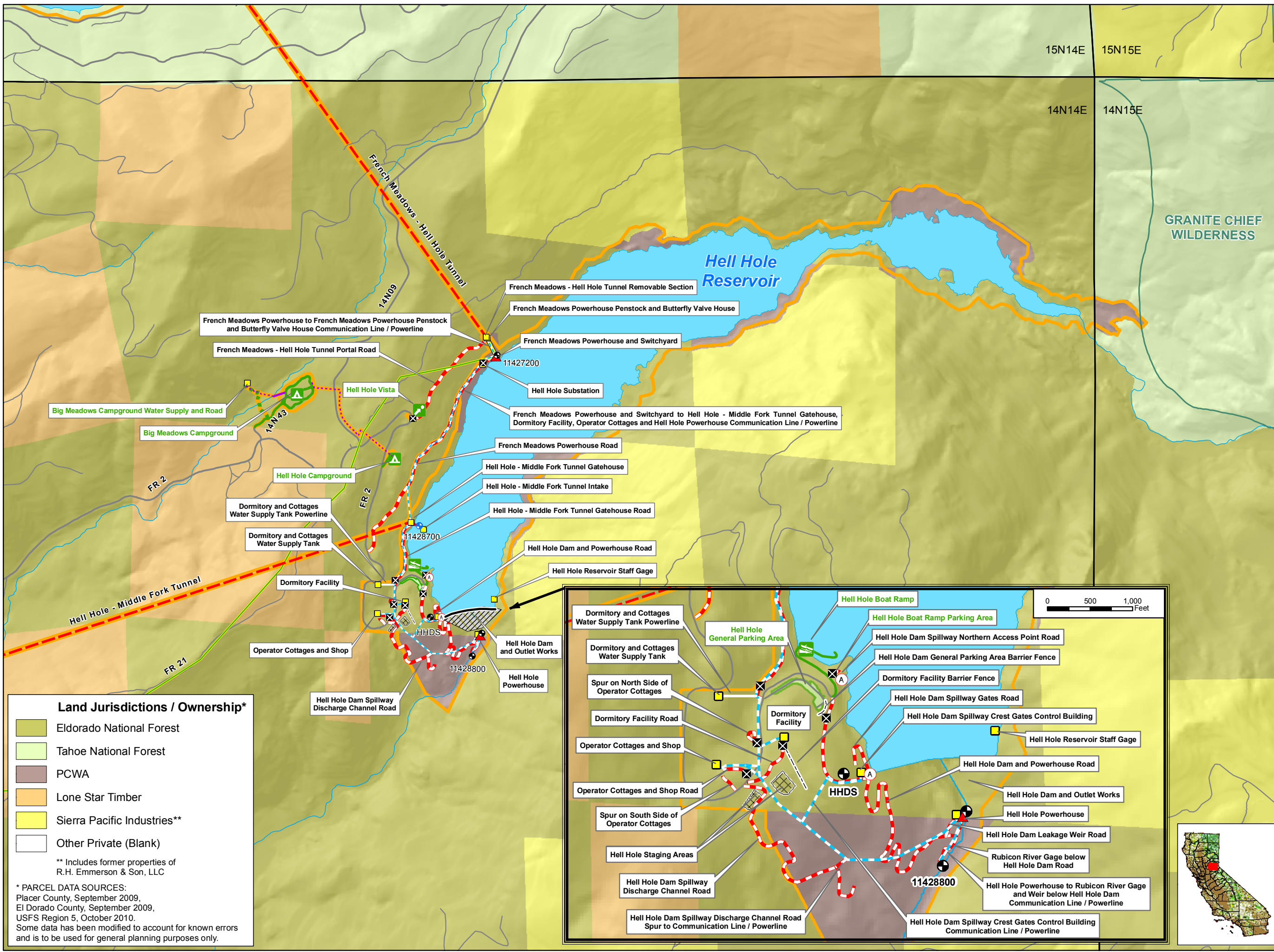
**PCWA Facilities and Features**

- Dam
- Ancillary and Other Facilities
- Powerhouse
- Gage
- Reservoir 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**
- Road
- Project Road
- Project Trail
- Recreation Access Road
- Recreation Facility Water Supply Access Road or Trail
- Project Recreation Facilities**
- Picnic Area
- Boat Ramp
- Scenic Viewpoint
- Developed Campground
- Trailer Sanitary Station
- Water Supply Line (Above ground)
- Water Supply Line (Buried)
- Other Facilities**
- PG & E Transmission Lines:**
- 230 kV
- 60 kV



Placer County Water Agency  
 Middle Fork American River Project  
**Map 4-2a**  
 Land Jurisdictions in the Immediate Vicinity of the Middle Fork Project  
 Duncan Creek, French Meadows Area

0 0.25 0.5 Miles  
 Projection: Ca. Stateplane, Zone 2  
 Datum: NAD 83  
 Date: 2/10/11



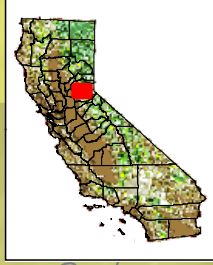
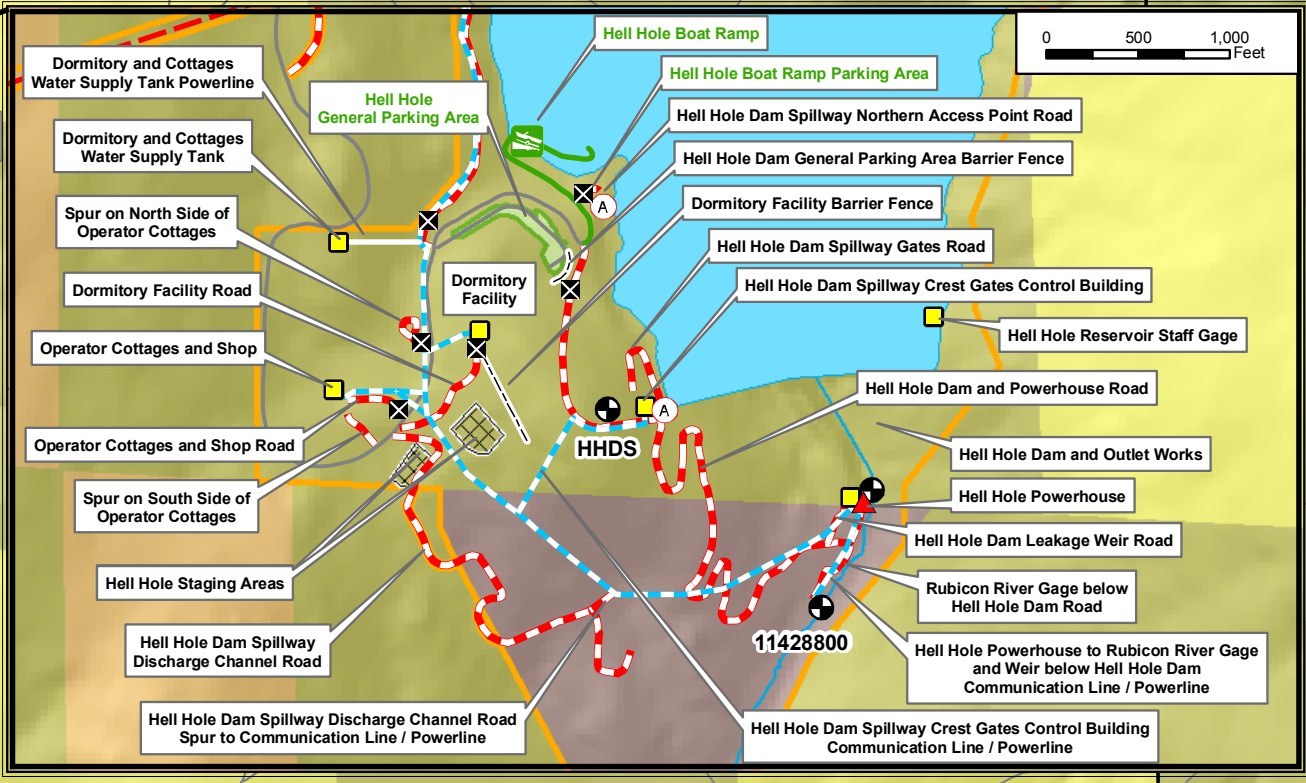
- PCWA Facilities and Features**
- Dam
  - Ancillary and Other Facilities
  - Powerhouse
  - Gage
  - Reservoir Gage
  - Penstock
  - Tunnel
  - Pipeline
  - Gate
  - Access Point
  - Public Safety Fence
  - FERC Boundary
- Project Power and Communication Lines:**
- Communication
  - Power
  - Power (underground)
  - Communication/Power
  - Communication/Power (underground)
- Transportation**
- Road
  - Project Road
  - Project Trail
  - Recreation Access Road
  - Recreation Facility Water Supply Access Road or Trail
- Project Recreation Facilities**
- Picnic Area
  - Boat Ramp
  - Scenic Viewpoint
  - Developed Campground
  - Trailer Sanitary Station
  - Water Supply Line (Above ground)
  - Water Supply Line (Buried)
- Other Facilities**
- PG & E Transmission Lines:
- 230 kV
  - 60 kV

**Land Jurisdictions / Ownership\***

- Eldorado National Forest
- Tahoe National Forest
- PCWA
- Lone Star Timber
- Sierra Pacific Industries\*\*
- Other Private (Blank)

\*\* Includes former properties of R.H. Emmerson & Son, LLC

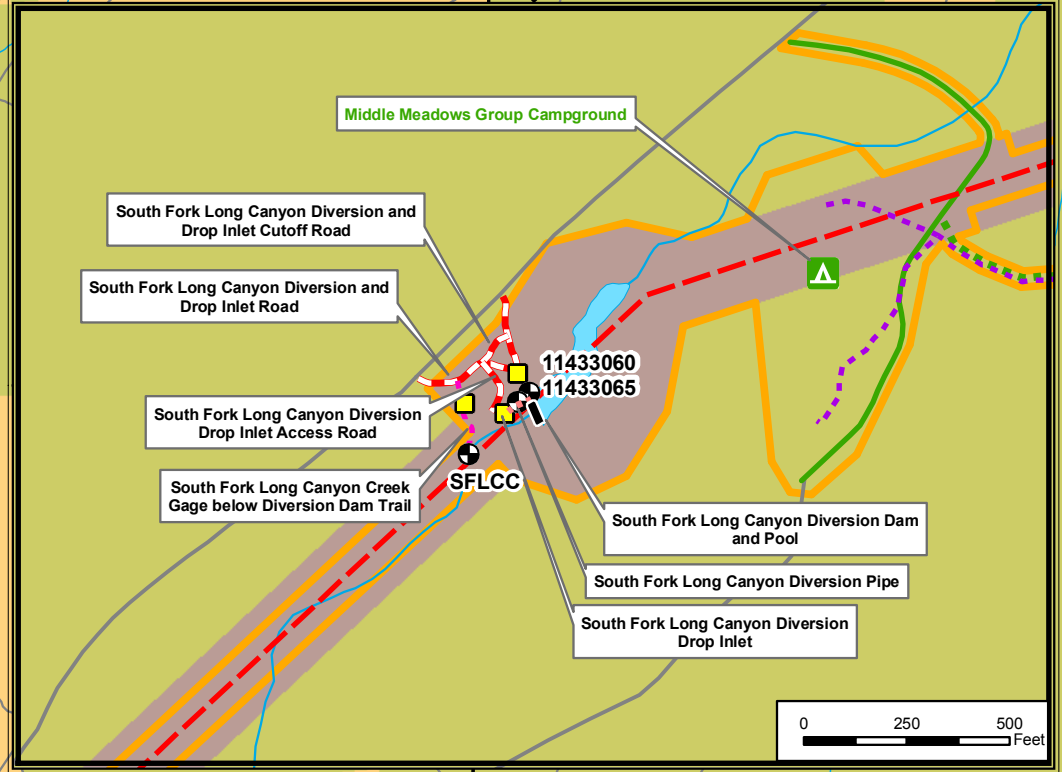
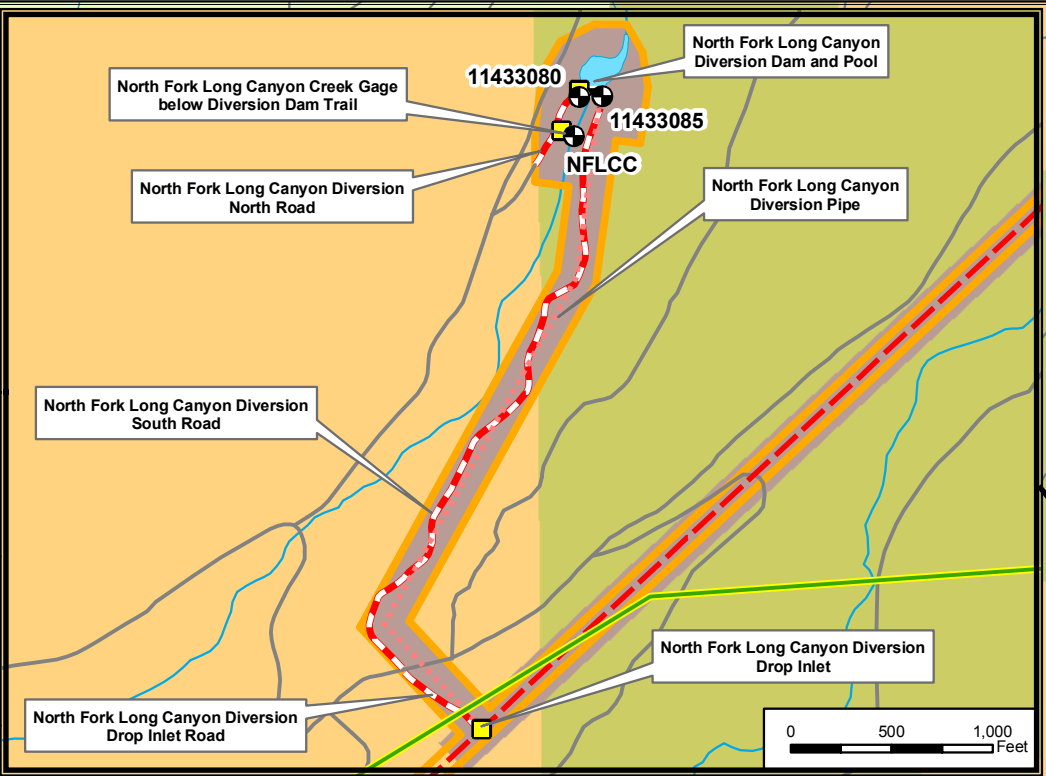
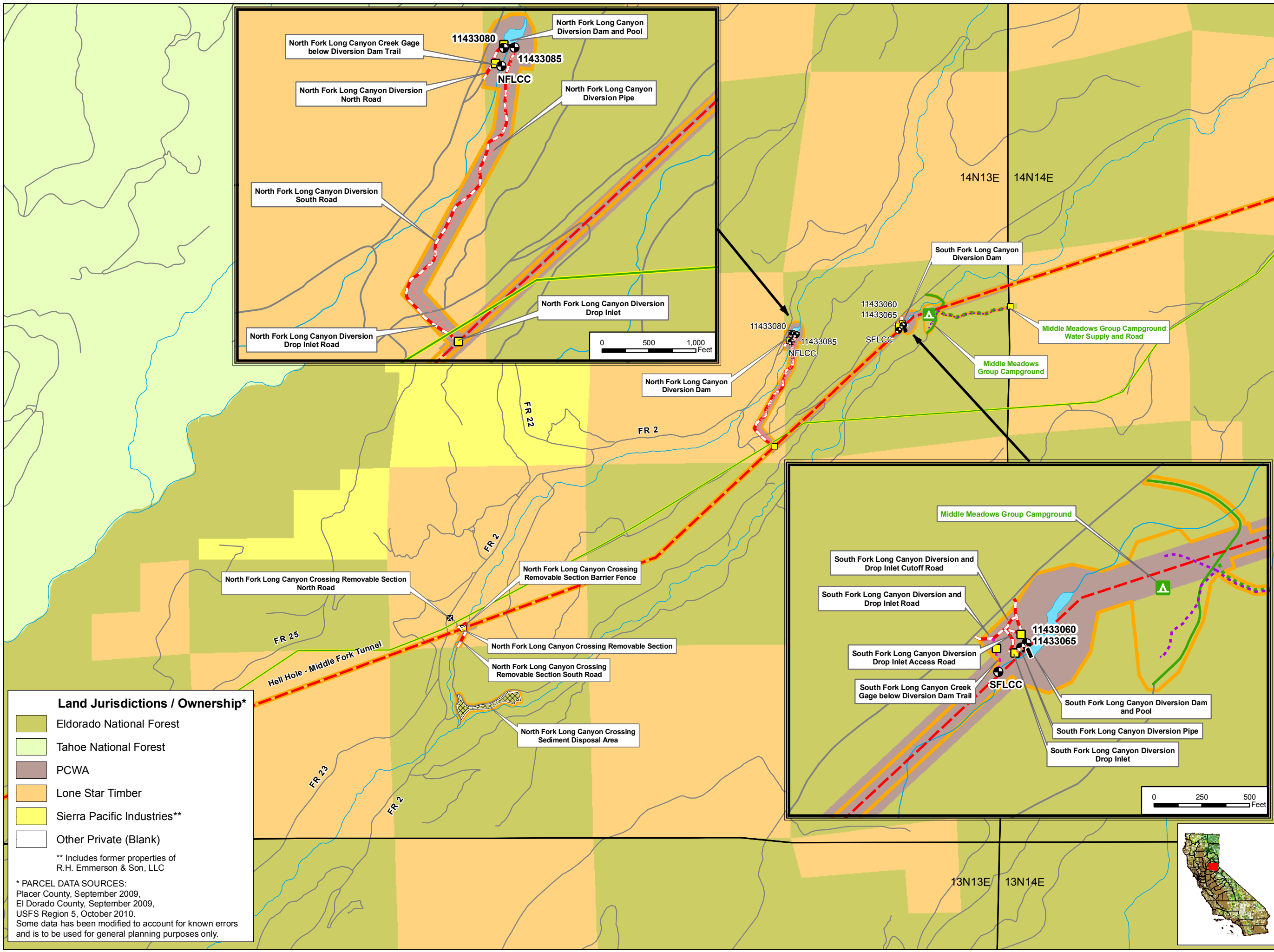
\* PARCEL DATA SOURCES:  
 Placer County, September 2009,  
 El Dorado County, September 2009,  
 USFS Region 5, October 2010.  
 Some data has been modified to account for known errors and is to be used for general planning purposes only.



**PCWA**  
 Placer County Water Agency  
 Middle Fork American River Project

**Map 4-2b**  
**Land Jurisdictions in the Immediate Vicinity of the Middle Fork Project Hell Hole Area**

0 0.25 0.5 Miles  
 Projection: Ca. Stateplane, Zone 2  
 Datum: NAD 83  
 Date: 2/10/11



**Land Jurisdictions / Ownership\***

- Eldorado National Forest
- Tahoe National Forest
- PCWA
- Lone Star Timber
- Sierra Pacific Industries\*\*
- Other Private (Blank)

\*\* Includes former properties of R.H. Emmerson & Son, LLC

\* PARCEL DATA SOURCES:  
 Placer County, September 2009,  
 El Dorado County, September 2009,  
 USFS Region 5, October 2010.  
 Some data has been modified to account for known errors  
 and is to be used for general planning purposes only.

**PCWA Facilities and Features**

- Dam
- Ancillary and Other Facilities
- Powerhouse
- Gage
- Reservoir 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**

- Road
- Project Road
- Project Trail
- Recreation Access Road
- Recreation Facility Water Supply Access Road or Trail

**Project Recreation Facilities**

- A Picnic Area
- B Boat Ramp
- C Scenic Viewpoint
- D Developed Campground
- E Trailer Sanitary Station
- Water Supply Line (Above ground)
- Water Supply Line (Buried)

**Other Facilities**

PG & E Transmission Lines:

- 230 kV
- 60 kV

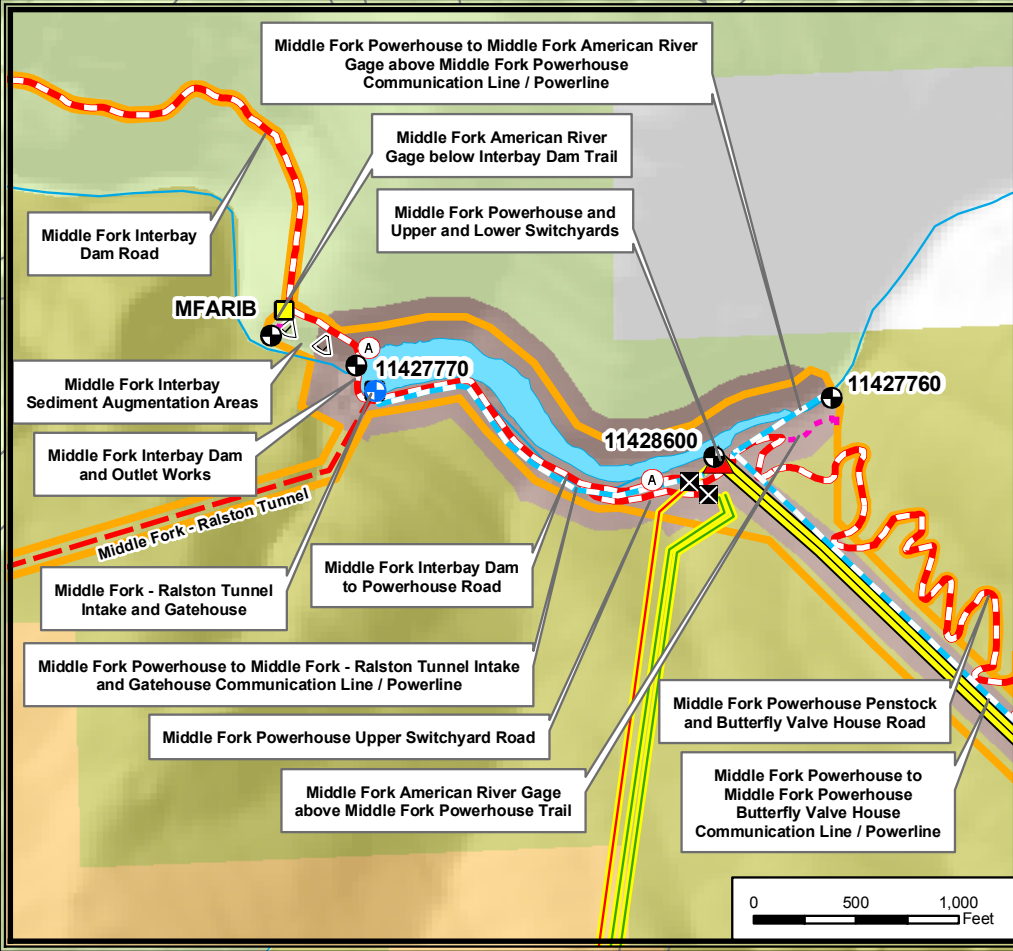
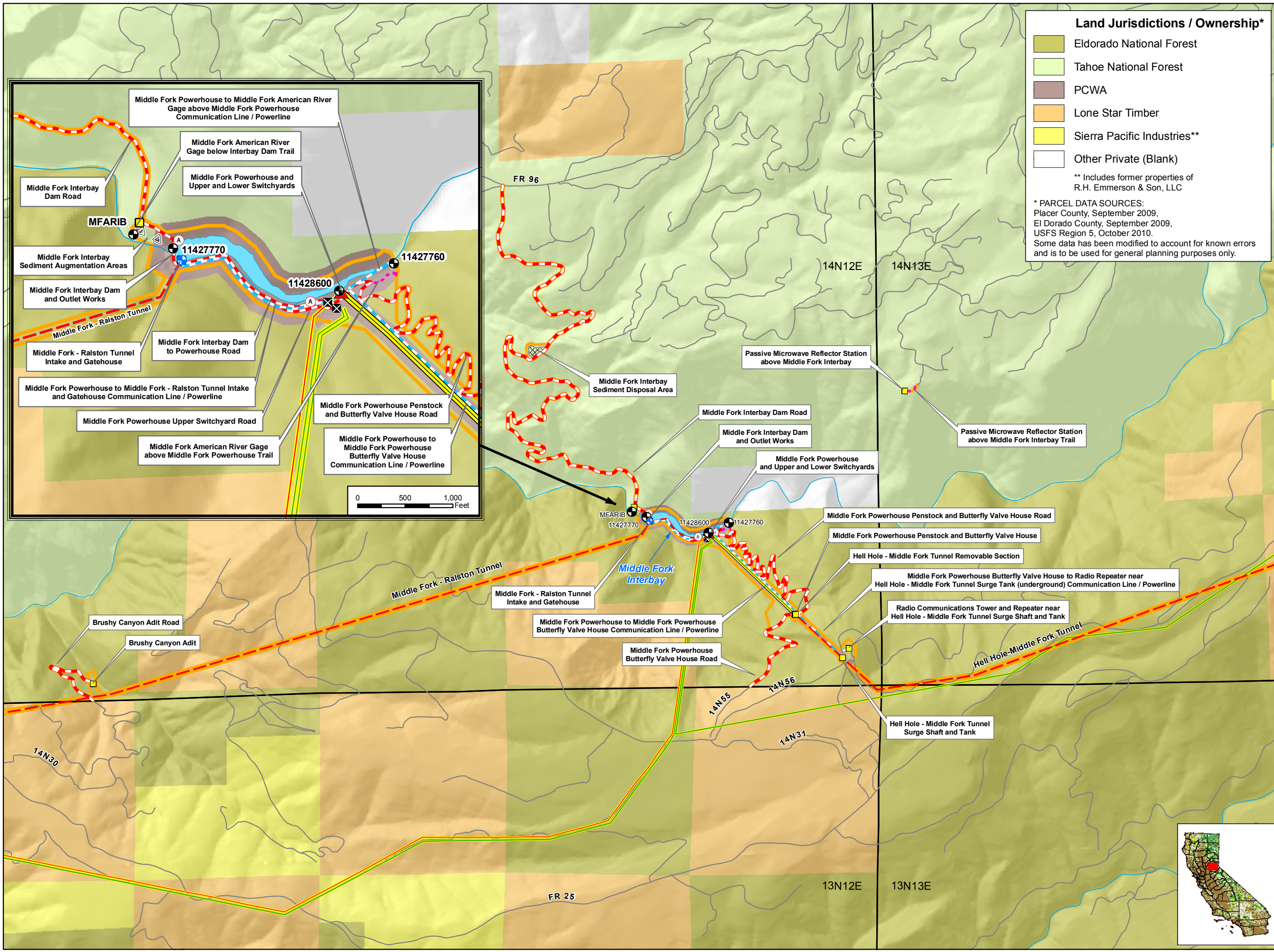
**PCWA**

Placer County Water Agency  
 Middle Fork American River Project  
**Map 4-2c**  
 Land Jurisdictions in the Immediate Vicinity of the Middle Fork Project  
 Long Canyon Area

0 0.25 0.5 Miles

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

Date: 2/10/11



### Land Jurisdictions / Ownership\*

- Eldorado National Forest
- Tahoe National Forest
- PCWA
- Lone Star Timber
- Sierra Pacific Industries\*\*
- Other Private (Blank)

\*\* Includes former properties of R.H. Emmerson & Son, LLC

\* PARCEL DATA SOURCES:  
 Placer County, September 2009,  
 El Dorado County, September 2009,  
 USFS Region 5, October 2010.  
 Some data has been modified to account for known errors and is to be used for general planning purposes only.

### PCWA Facilities and Features

- Dam
- Ancillary and Other Facilities
- Powerhouse
- Gage
- Reservoir 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

- Road
- Project Road
- Project Trail
- Recreation Access Road
- Recreation Facility Water Supply Access Road or Trail


### Project Recreation Facilities

- A Picnic Area
- B Boat Ramp
- C Scenic Viewpoint
- D Developed Campground
- E Trailer Sanitary Station
- Water Supply Line (Above ground)
- Water Supply Line (Buried)

### Other Facilities

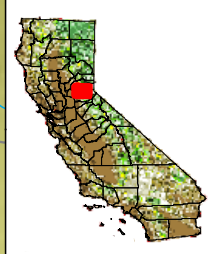
PG & E Transmission Lines:

- 230 kV
- 60 kV



Placer County Water Agency  
 Middle Fork American River Project

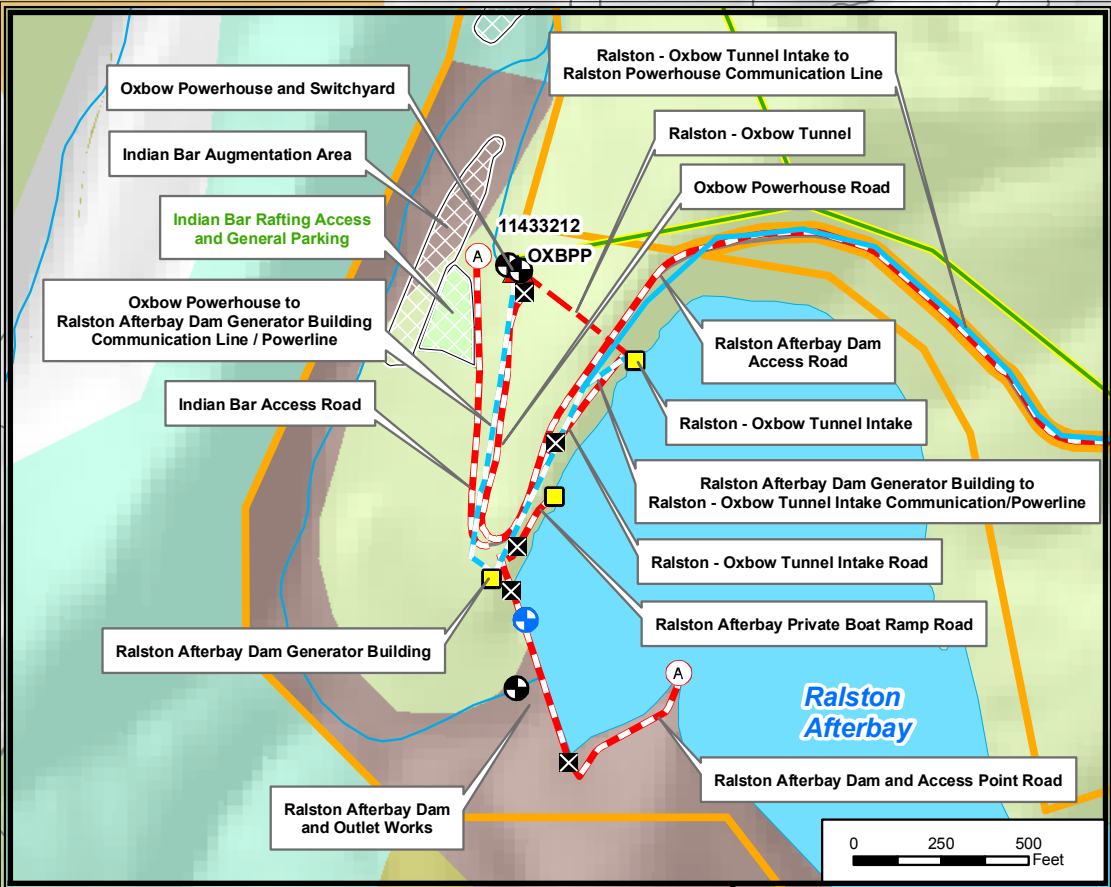
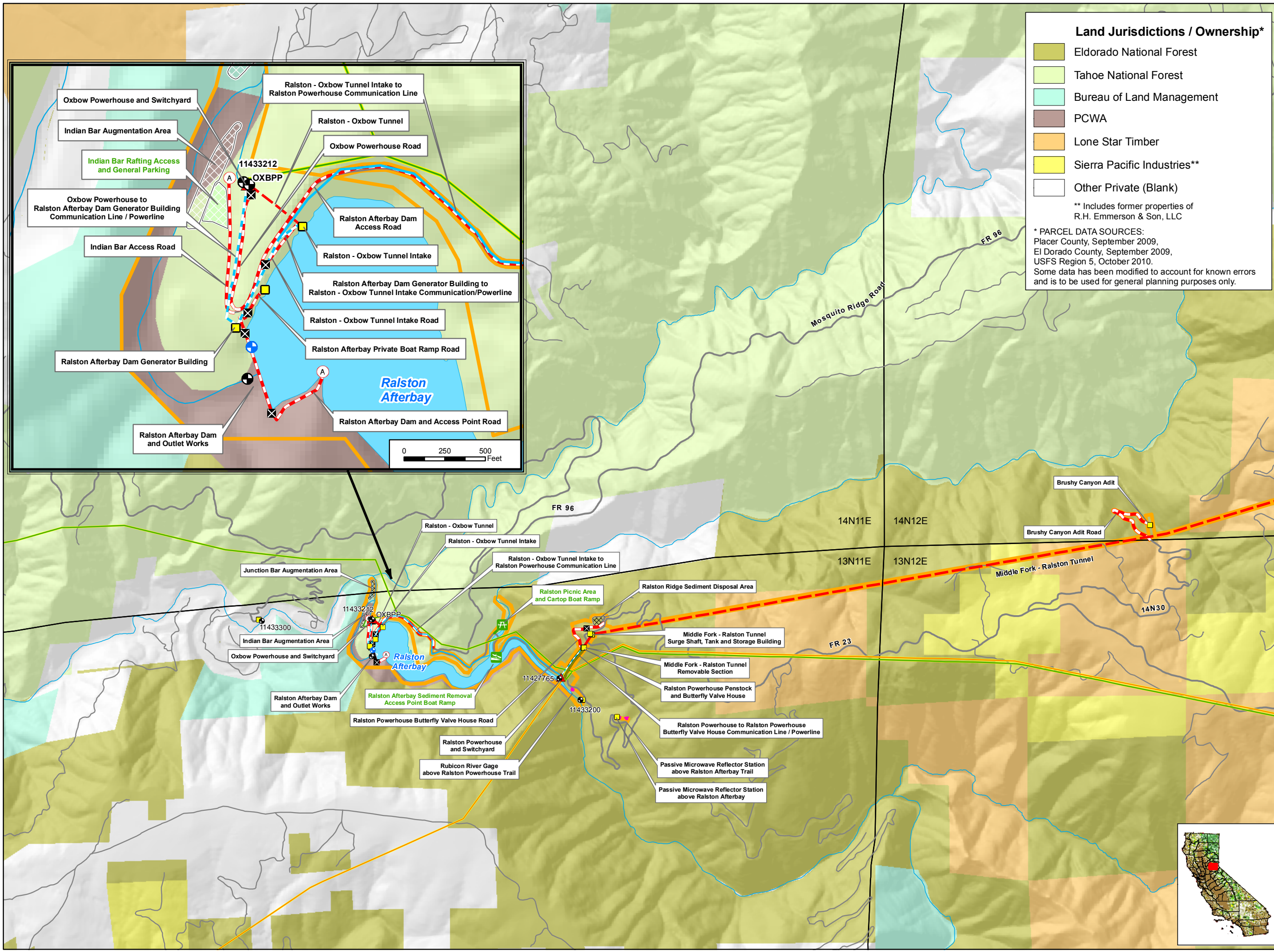
**Map 4-2d**  
**Land Jurisdictions in the Immediate Vicinity of the Middle Fork Project**  
**Middle Fork Interbay Area**



0 0.25 0.5 Miles

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

Date: 2/10/11



### Land Jurisdictions / Ownership\*

- Eldorado National Forest
- Tahoe National Forest
- Bureau of Land Management
- PCWA
- Lone Star Timber
- Sierra Pacific Industries\*\*
- Other Private (Blank)

\*\* Includes former properties of R.H. Emmerson & Son, LLC

\* PARCEL DATA SOURCES:  
 Placer County, September 2009,  
 El Dorado County, September 2009,  
 USFS Region 5, October 2010.  
 Some data has been modified to account for known errors  
 and is to be used for general planning purposes only.

### PCWA Facilities and Features

- Dam
- Ancillary and Other Facilities
- Powerhouse
- Gage
- Reservoir 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

- Road
- Project Road
- Project Trail
- Recreation Access Road
- Recreation Facility Water Supply Access Road or Trail


### Project Recreation Facilities

- Picnic Area
- Boat Ramp
- Scenic Viewpoint
- Developed Campground
- Trailer Sanitary Station
- Water Supply Line (Above ground)
- Water Supply Line (Buried)

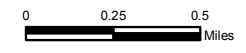
### Other Facilities

PG & E Transmission Lines:

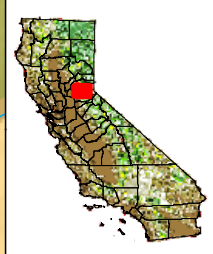
- 230 kV
- 60 kV



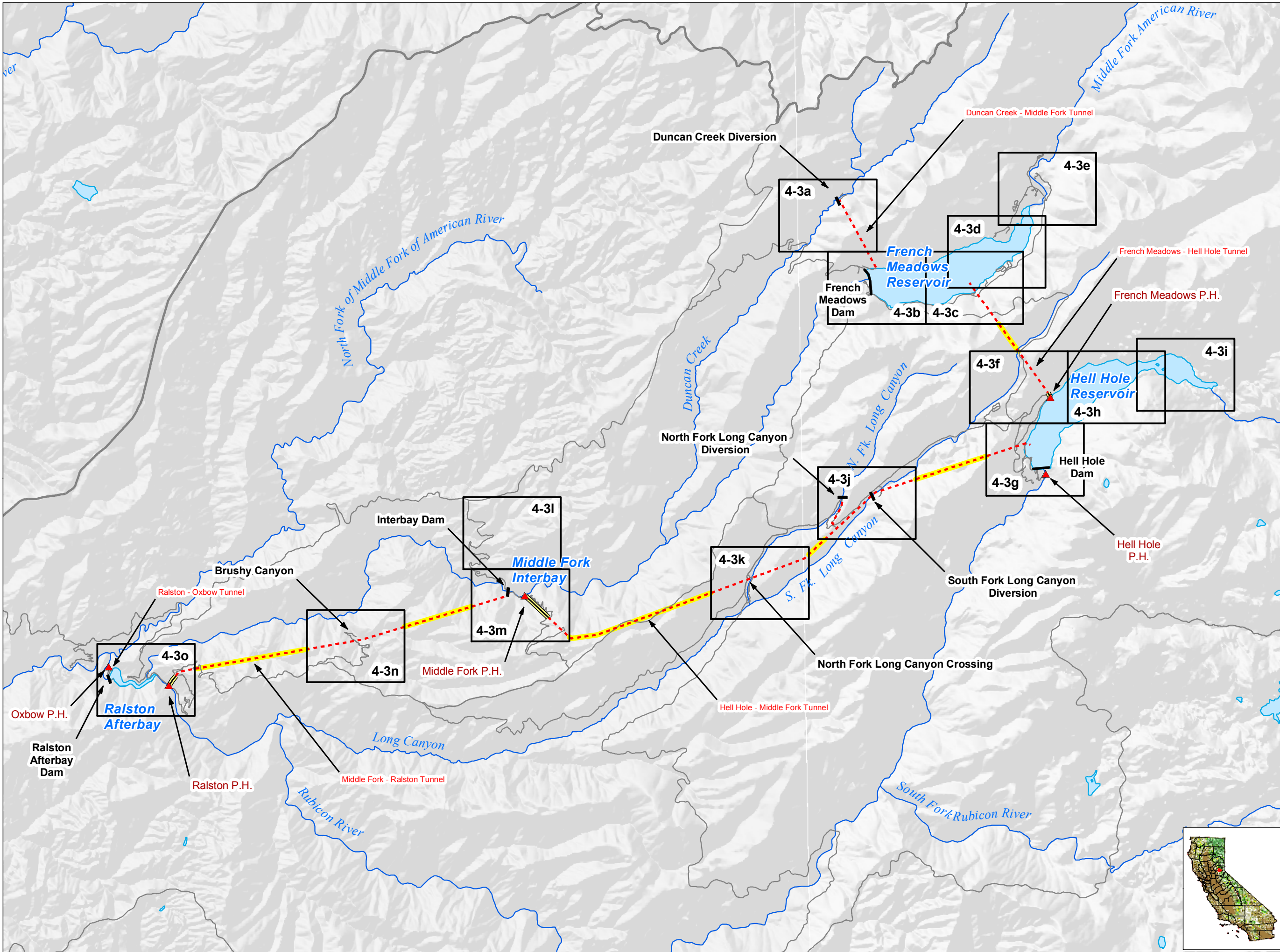
Placer County Water Agency  
 Middle Fork American River Project  
**Map 4-2e**  
 Land Jurisdictions in the Immediate Vicinity of the Middle Fork Project  
 Ralston - Oxbow Area



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



Date: 2/10/11



**Project Facilities**

- ▲ Powerhouse
- Dam
- Tunnel
- Penstock

**Transportation**

- Roads

**Hydrography**

- Watercourse
- Water Body

**Map Tiles**

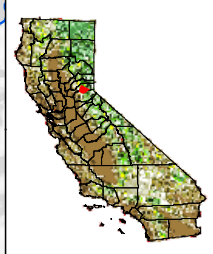
- Tile Extent with ID
- Areas not covered by tiles\*

\*NOTE: These tunnel alignment areas have a uniform FERC boundary reduction from 200 feet to 100 feet either side of centerline.

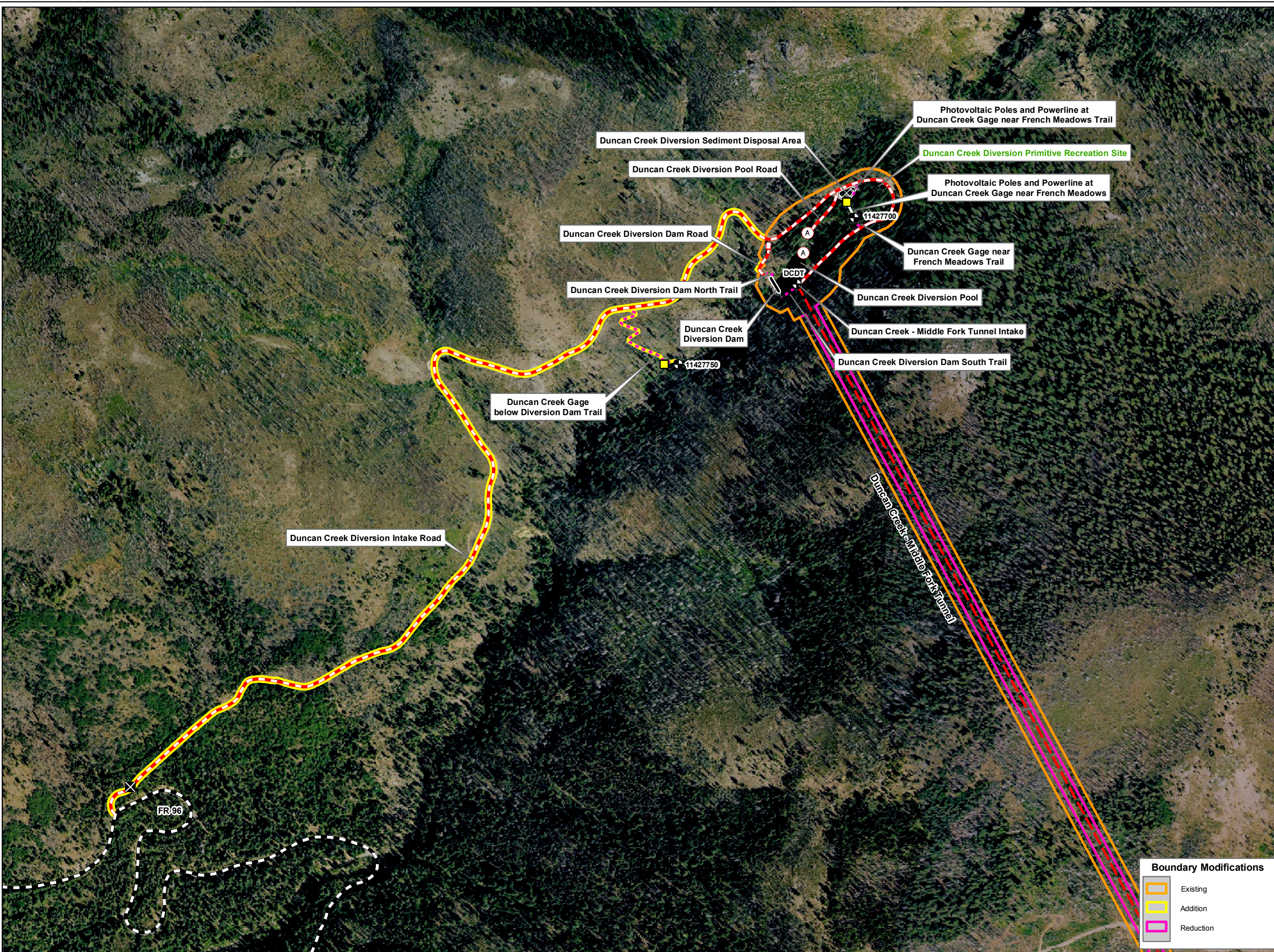


Placer County Water Agency  
Middle Fork American River Project

**Map 4-3**  
**FERC Project Boundary Modifications**  
Index Map for Tiles



1 0.5 0 1 Miles  
 Projection: CA State Plane, Zone 2  
 Datum: NAD 83  
 Date: 2/10/11



- PCWA Facilities and Features**
- Powerhouse
  - Gage
  - Reservoir Gage
  - Penstock
  - Tunnel
  - Pipeline
  - Gate
  - Access Point
  - Public Safety Fence
  - Ancillary and Other Facilities
- Project Power and Communication Lines:**
- Communication
  - Power
  - Power (underground)
  - Communication/Power
  - Communication/Power (underground)
- Transportation**
- Road
  - Project Road
  - Project Trail
  - Recreation Access Road
  - Recreation Facility Water Supply Access Road or Trail
- Project Recreation Facilities**
- Picnic Area
  - Boat Ramp
  - Scenic Viewpoint
  - Developed Campground
  - Trailer Sanitary Station
  - Water Supply Line (Above ground)
  - Water Supply Line (Buried)
- Other Facilities**
- PG & E Transmission Lines:
- 230 kV
  - 60 kV

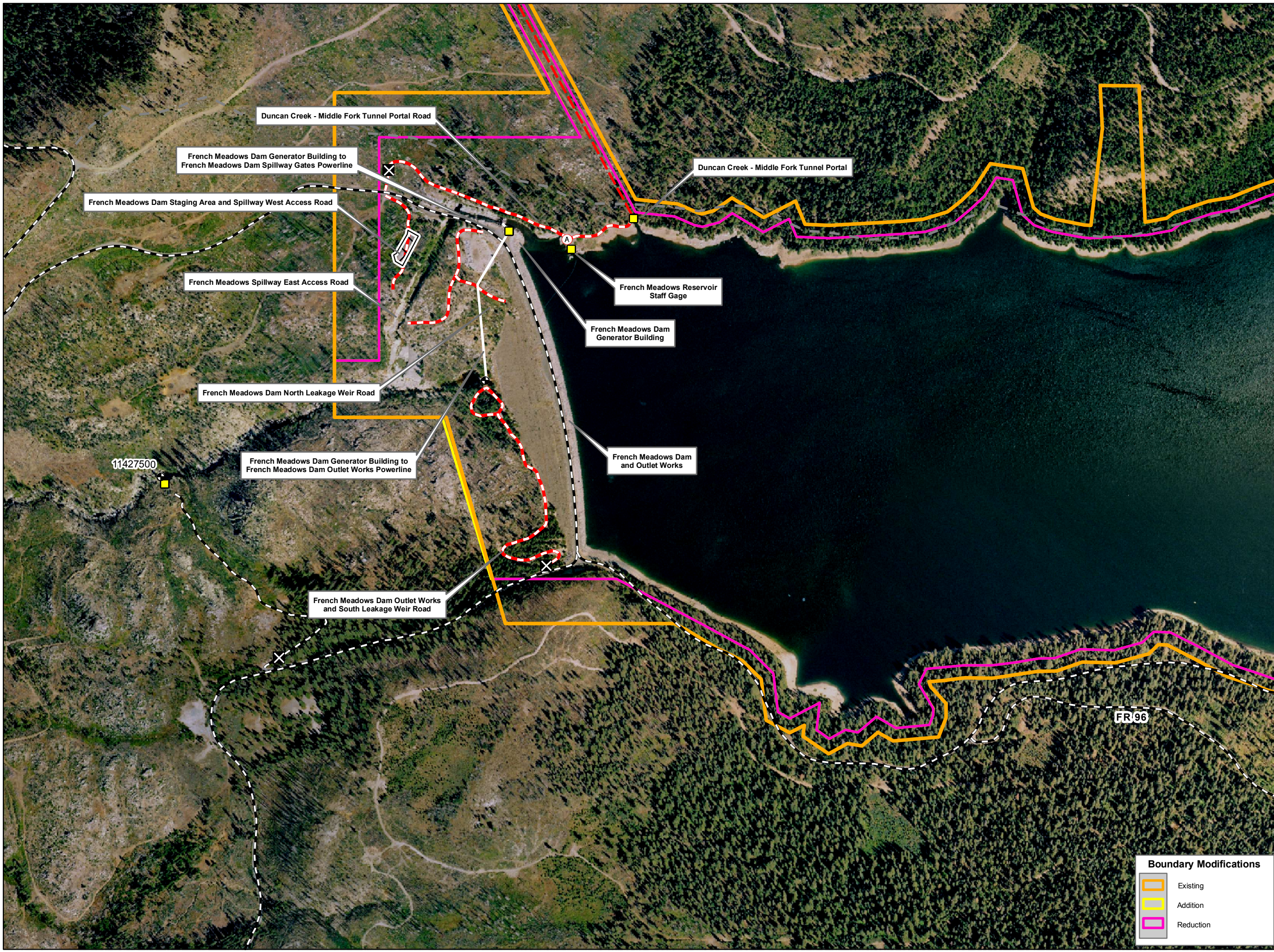
- Boundary Modifications**
- Existing
  - Addition
  - Reduction

Placer County Water Agency  
Middle Fork American River Project

**Map 4-3a**  
**FERC Project Boundary Modifications**  
**Duncan Creek Diversion Area**

Date: 2/10/11

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



- PCWA Facilities and Features**
- Powerhouse
  - Gage
  - Reservoir Gage
  - Penstock
  - Tunnel
  - Pipeline
  - Gate
  - Access Point
  - Public Safety Fence
  - Ancillary and Other Facilities
- Project Power and Communication Lines:**
- Communication
  - Power
  - Power (underground)
  - Communication/Power
  - Communication/Power (underground)
- Transportation**
- Road
  - Project Road
  - Project Trail
  - Recreation Access Road
  - Recreation Facility Water Supply Access Road or Trail
- Project Recreation Facilities**
- Picnic Area
  - Boat Ramp
  - Scenic Viewpoint
  - Developed Campground
  - Trailer Sanitary Station
  - Water Supply Line (Above ground)
  - Water Supply Line (Buried)
- Other Facilities**
- PG & E Transmission Lines:
- 230 kV
  - 60 kV

- Boundary Modifications**
- Existing
  - Addition
  - Reduction

**PCWA**

Placer County Water Agency  
Middle Fork American River Project

**Map 4-3b**  
**FERC Project Boundary Modifications**  
**French Meadows Area**

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

Date: 2/10/11



- PCWA Facilities and Features**
- Powerhouse
  - Gage
  - Reservoir Gage
  - Penstock
  - Tunnel
  - Pipeline
  - Gate
  - Access Point
  - Public Safety Fence
  - Ancillary and Other Facilities
- Project Power and Communication Lines:**
- Communication
  - Power
  - Power (underground)
  - Communication/Power
  - Communication/Power (underground)
- Transportation**
- Road
  - Project Road
  - Project Trail
  - Recreation Access Road
  - Recreation Facility Water Supply Access Road or Trail
- Project Recreation Facilities**
- Picnic Area
  - Boat Ramp
  - Scenic Viewpoint
  - Developed Campground
  - Trailer Sanitary Station
  - Water Supply Line (Above ground)
  - Water Supply Line (Buried)
- Other Facilities**
- PG & E Transmission Lines:
- 230 kV
  - 60 kV

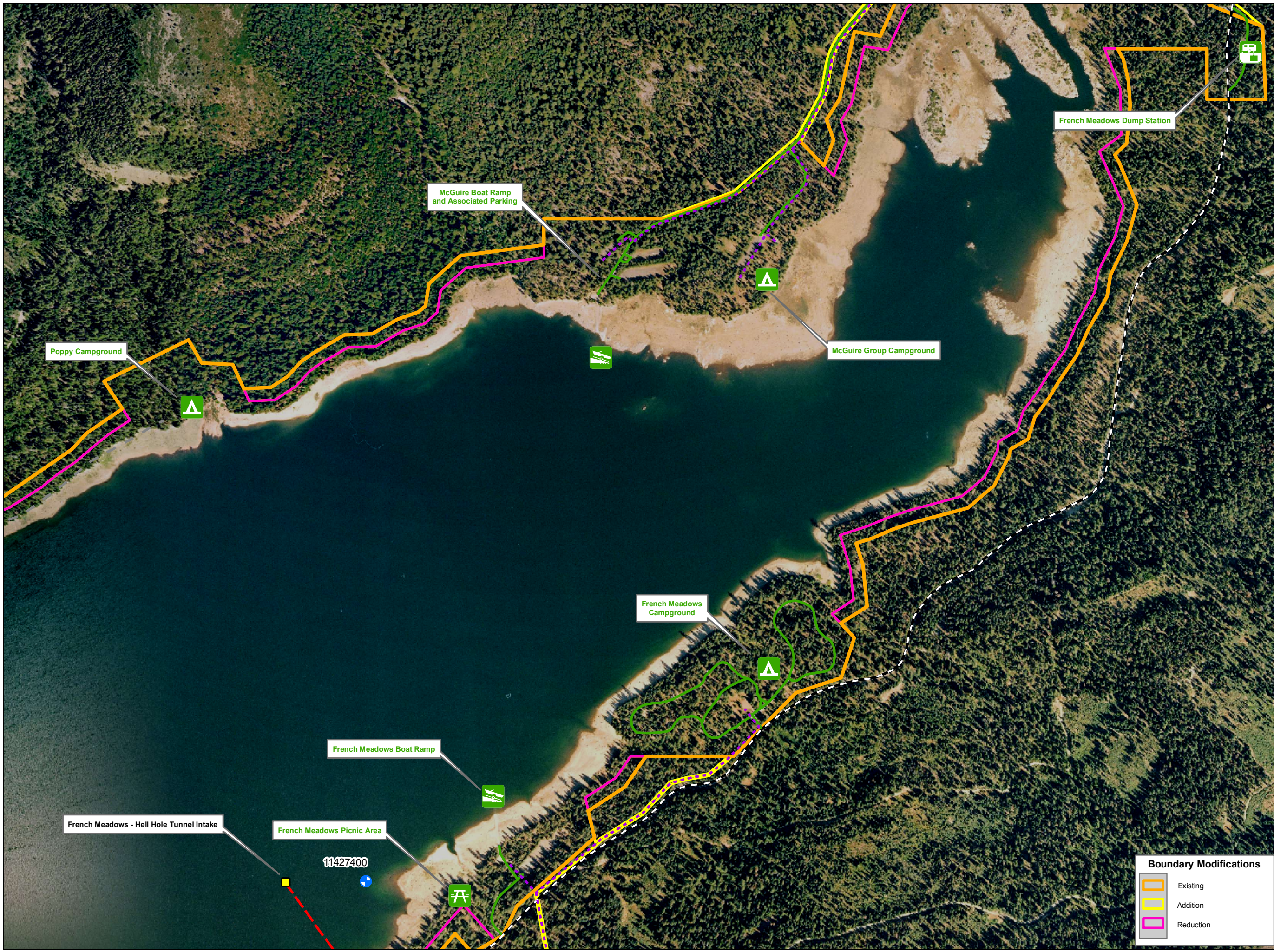
- Boundary Modifications**
- Existing
  - Addition
  - Reduction

Placer County Water Agency  
Middle Fork American River Project

**Map 4-3c**  
**FERC Project Boundary Modifications**  
**French Meadows Area**

Date: 2/10/11

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



**PCWA Facilities and Features**

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

**Project Power and Communication Lines:**

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

**Transportation**

- Road
- Project Road
- Project Trail
- Recreation Access Road
- Recreation Facility Water Supply Access Road or Trail

**Project Recreation Facilities**

- Picnic Area
- Boat Ramp
- Scenic Viewpoint
- Developed Campground
- Trailer Sanitary Station
- Water Supply Line (Above ground)
- Water Supply Line (Buried)

**Other Facilities**

PG & E Transmission Lines:

- 230 kV
- 60 kV

**Boundary Modifications**

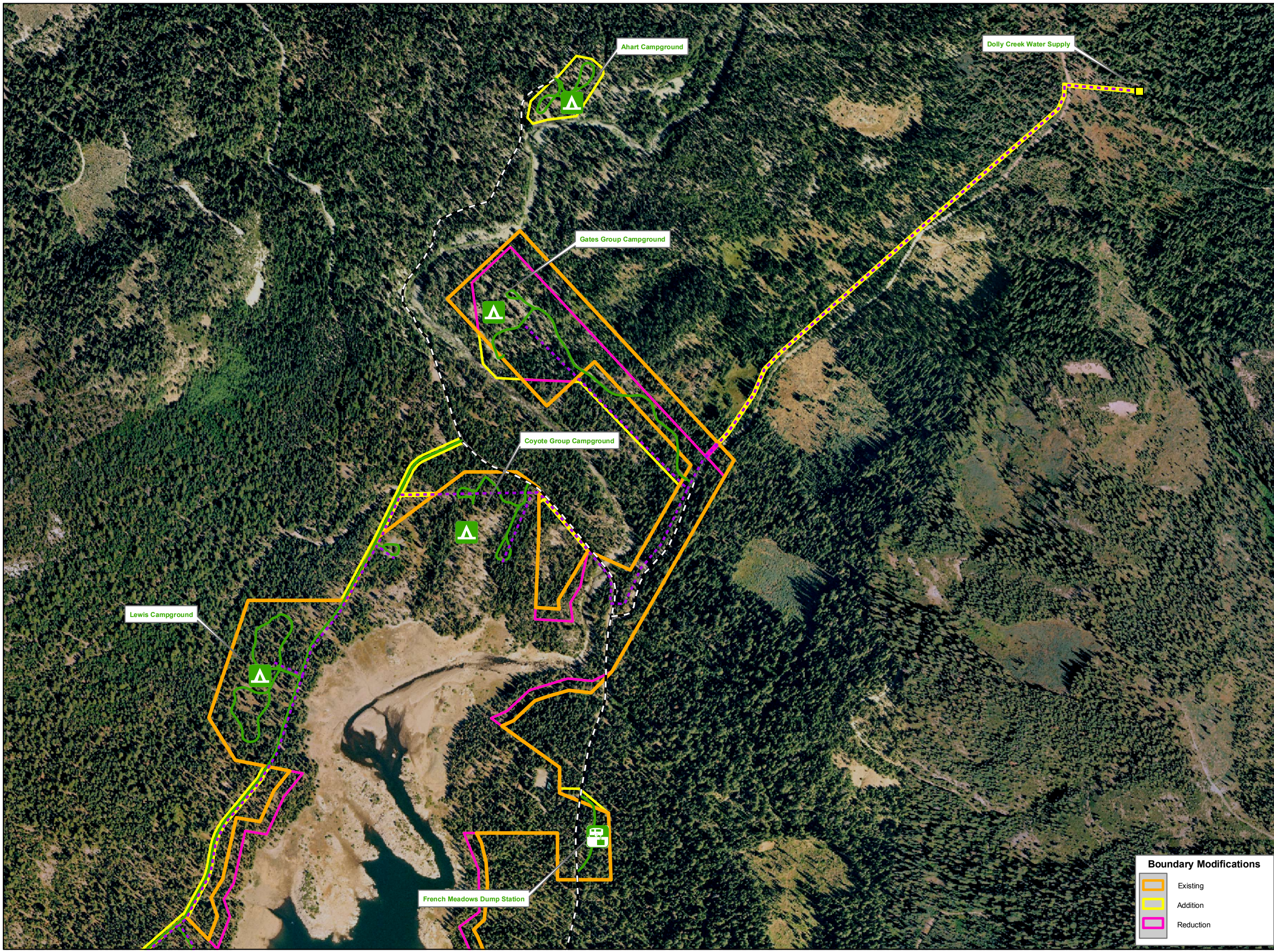
- Existing
- Addition
- Reduction

Placer County Water Agency  
Middle Fork American River Project

**Map 4-3d**  
**FERC Project Boundary Modifications**  
**French Meadows Area**

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

Date: 2/10/11



- PCWA Facilities and Features**
- Powerhouse
  - Gage
  - Reservoir Gage
  - Penstock
  - Tunnel
  - Pipeline
  - Gate
  - Access Point
  - Public Safety Fence
  - Ancillary and Other Facilities
- Project Power and Communication Lines:**
- Communication
  - Power
  - Power (underground)
  - Communication/Power
  - Communication/Power (underground)
- Transportation**
- Road
  - Project Road
  - Project Trail
  - Recreation Access Road
  - Recreation Facility Water Supply Access Road or Trail
- Project Recreation Facilities**
- Picnic Area
  - Boat Ramp
  - Scenic Viewpoint
  - Developed Campground
  - Trailer Sanitary Station
  - Water Supply Line (Above ground)
  - Water Supply Line (Buried)
- Other Facilities**
- PG & E Transmission Lines:
- 230 kV
  - 60 kV

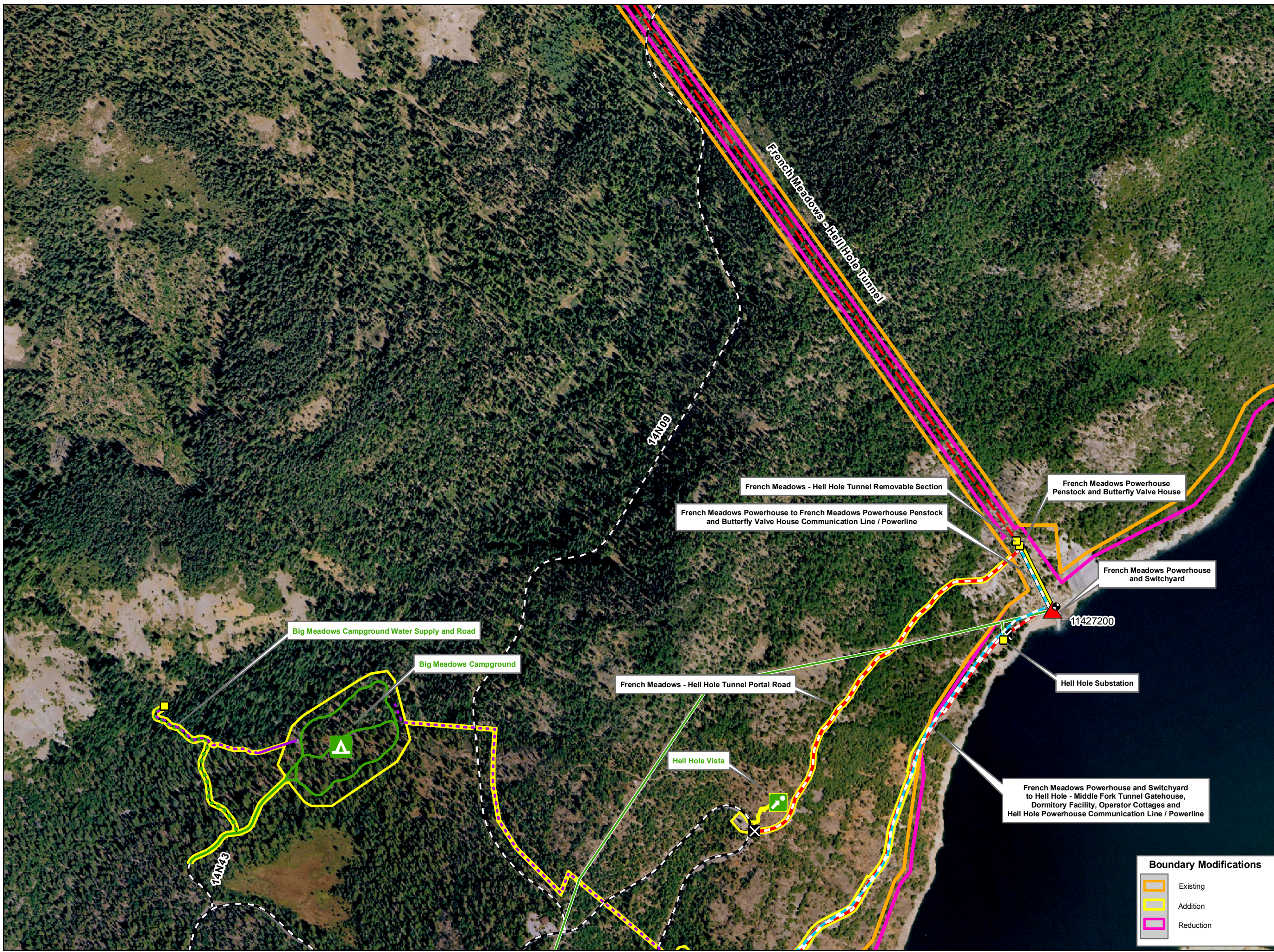
- Boundary Modifications**
- Existing
  - Addition
  - Reduction

Placer County Water Agency  
Middle Fork American River Project

**Map 4-3e**  
**FERC Project Boundary Modifications**  
**French Meadows Area**

Date: 2/11/11

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



- PCWA Facilities and Features**
- Powerhouse
  - Gage
  - Reservoir Gage
  - Penstock
  - Tunnel
  - Pipeline
  - Gate
  - Access Point
  - Public Safety Fence
  - Ancillary and Other Facilities
- Project Power and Communication Lines:**
- Communication
  - Power
  - Power (underground)
  - Communication/Power
  - Communication/Power (underground)
- Transportation**
- Road
  - Project Road
  - Project Trail
  - Recreation Access Road
  - Recreation Facility Water Supply Access Road or Trail
- Project Recreation Facilities**
- Picnic Area
  - Boat Ramp
  - Scenic Viewpoint
  - Developed Campground
  - Trailer Sanitary Station
  - Water Supply Line (Above ground)
  - Water Supply Line (Buried)
- Other Facilities**
- PG & E Transmission Lines:
- 230 kV
  - 60 kV

- Boundary Modifications**
- Existing
  - Addition
  - Reduction

**PCWA**

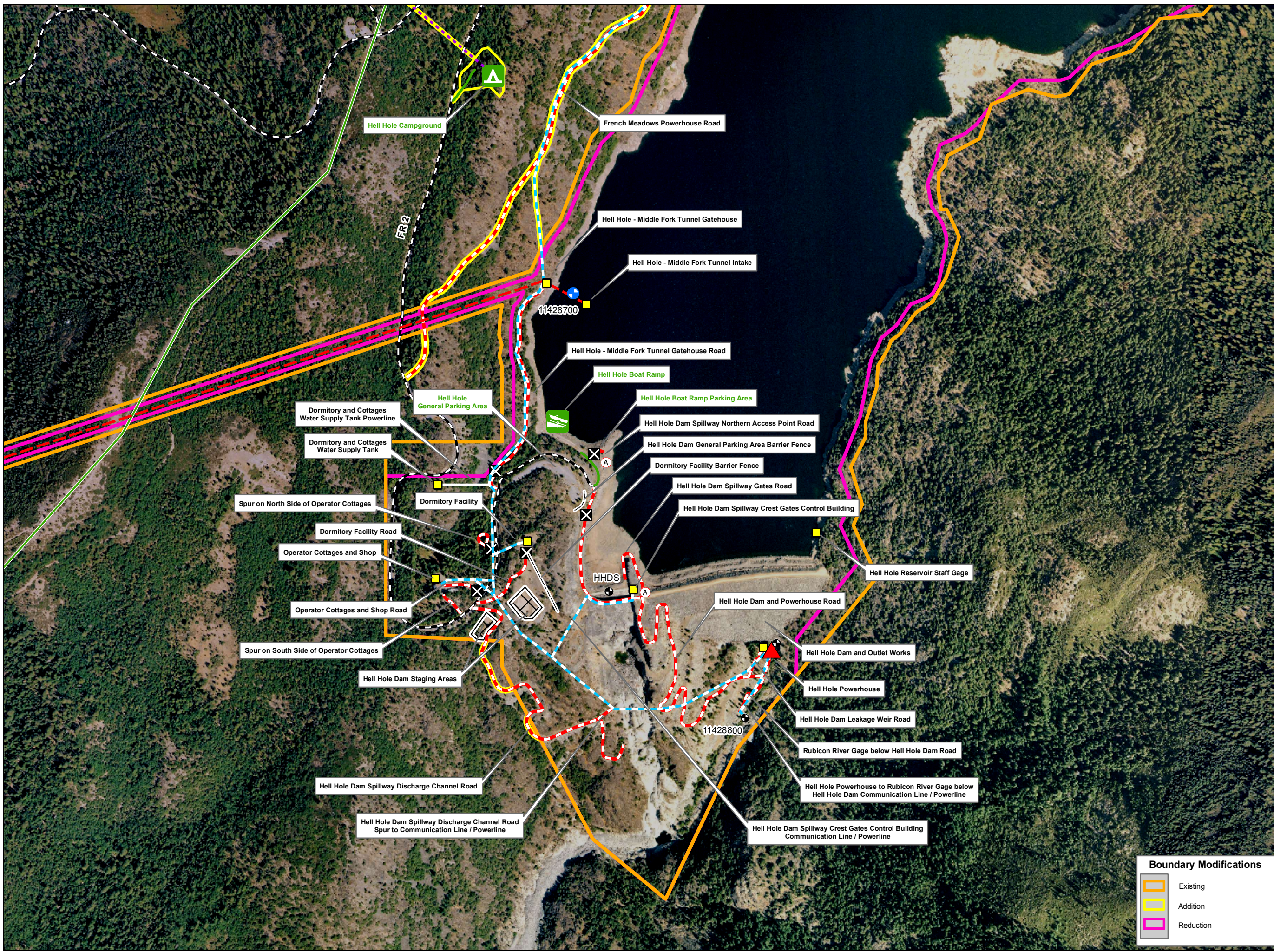
Placer County Water Agency  
Middle Fork American River Project

**Map 4-3f**  
**FERC Project Boundary Modifications**  
**Hell Hole Area**

0 250 500 Feet

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

Date: 2/10/11



- PCWA Facilities and Features**
- Powerhouse
  - Gage
  - Reservoir Gage
  - Penstock
  - Tunnel
  - Pipeline
  - Gate
  - Access Point
  - Public Safety Fence
  - Ancillary and Other Facilities
- Project Power and Communication Lines:**
- Communication
  - Power
  - Power (underground)
  - Communication/Power
  - Communication/Power (underground)
- Transportation**
- Road
  - Project Road
  - Project Trail
  - Recreation Access Road
  - Recreation Facility Water Supply Access Road or Trail
- Project Recreation Facilities**
- Picnic Area
  - Boat Ramp
  - Scenic Viewpoint
  - Developed Campground
  - Trailer Sanitary Station
  - Water Supply Line (Above ground)
  - Water Supply Line (Buried)
- Other Facilities**
- PG & E Transmission Lines:
- 230 kV
  - 60 kV

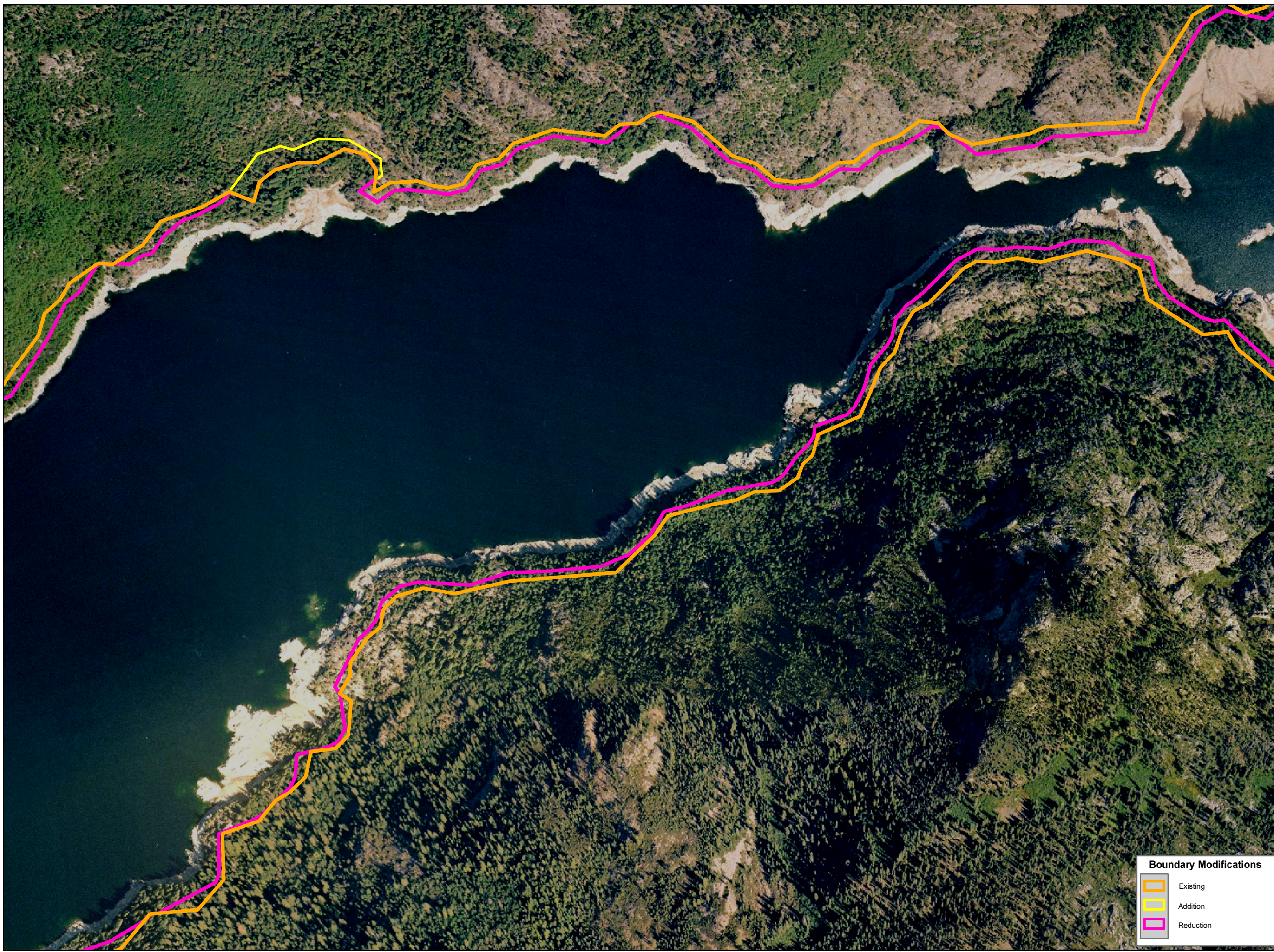
- Boundary Modifications**
- Existing
  - Addition
  - Reduction

Placer County Water Agency  
Middle Fork American River Project

**Map 4-3g**  
**FERC Project Boundary Modifications**  
**Hell Hole Area**

Date: 2/10/11

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



**PCWA Facilities and Features**

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

**Project Power and Communication Lines:**

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

**Transportation**

- Road
- Project Road
- Project Trail
- Recreation Access Road
- Recreation Facility Water Supply Access Road or Trail

**Project Recreation Facilities**

- Picnic Area
- Boat Ramp
- Scenic Viewpoint
- Developed Campground
- Trailer Sanitary Station
- Water Supply Line (Above ground)
- Water Supply Line (Buried)

**Other Facilities**

PG & E Transmission Lines:

- 230 kV
- 60 kV

**Boundary Modifications**

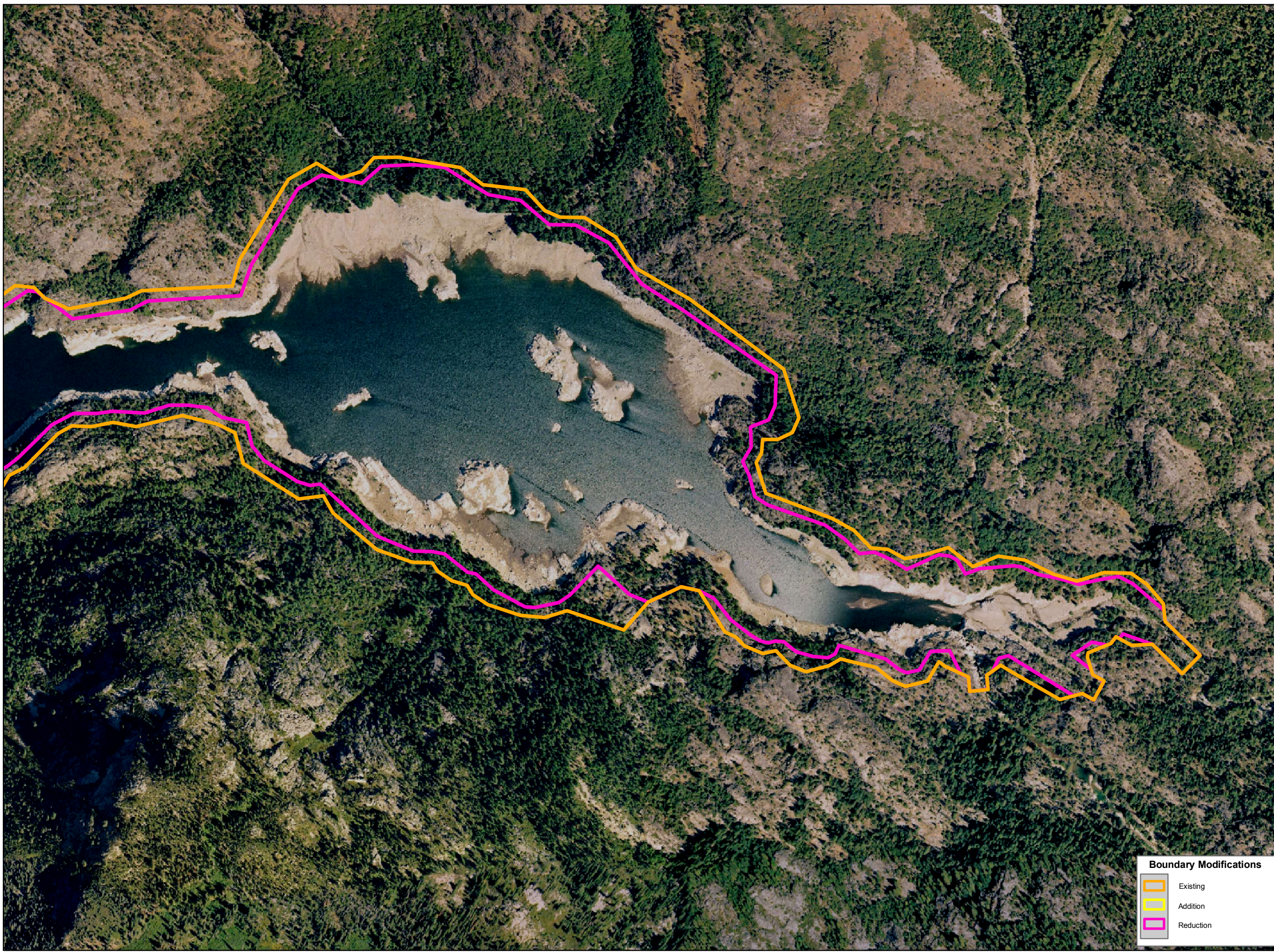
- Existing
- Addition
- Reduction

Placer County Water Agency  
Middle Fork American River Project

**Map 4-3h**  
**FERC Project Boundary Modifications**  
**Hell Hole Area**

Date: 2/10/11

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



**Boundary Modifications**

- Existing
- Addition
- Reduction

**PCWA Facilities and Features**

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

**Project Power and Communication Lines:**

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

**Transportation**

- Road
- Project Road
- Project Trail
- Recreation Access Road
- Recreation Facility Water Supply Access Road or Trail

**Project Recreation Facilities**

- Picnic Area
- Boat Ramp
- Scenic Viewpoint
- Developed Campground
- Trailer Sanitary Station
- Water Supply Line (Above ground)
- Water Supply Line (Buried)

**Other Facilities**

PG & E Transmission Lines:

- 230 kV
- 60 kV

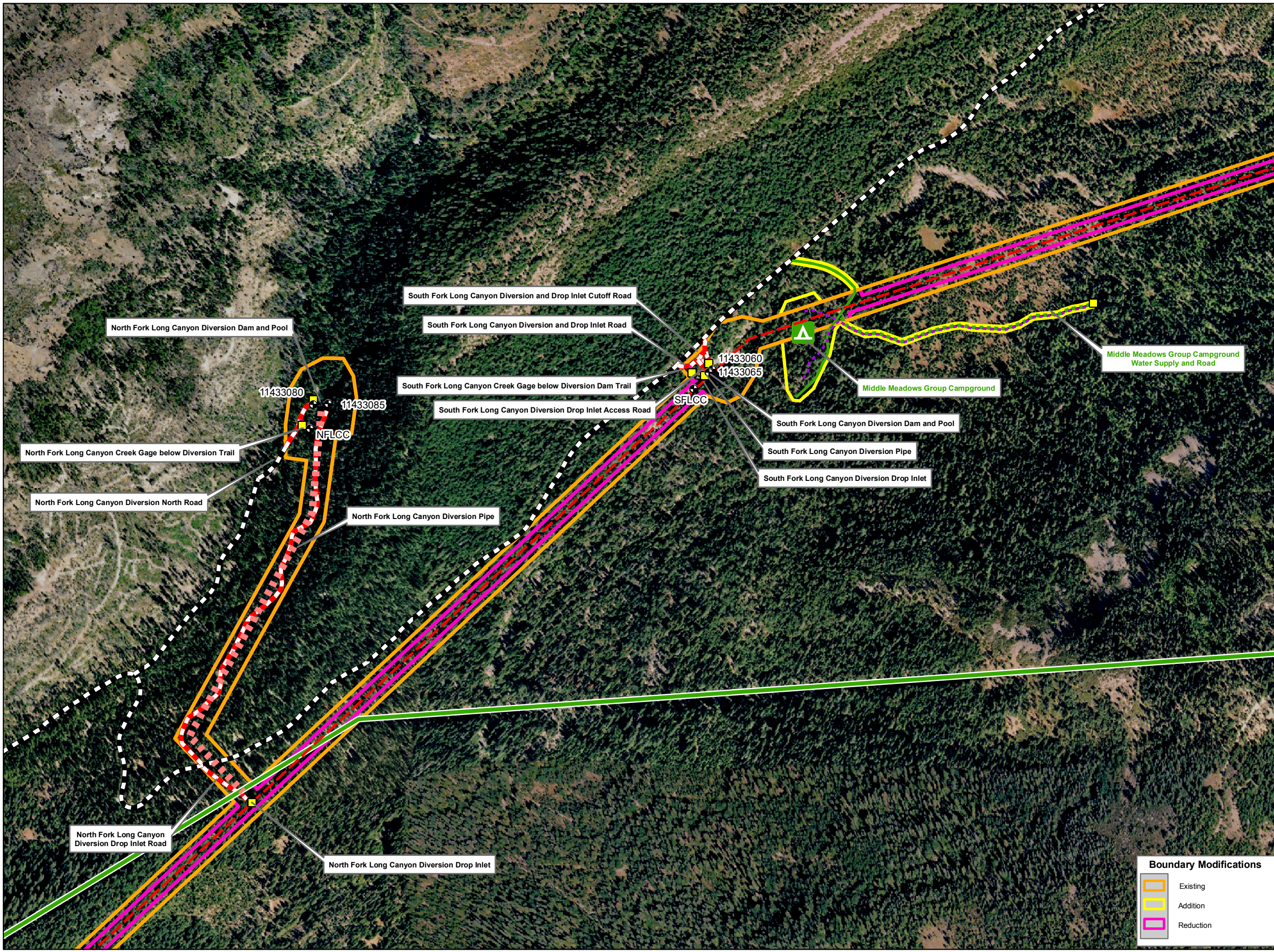
**PCWA**

Placer County Water Agency  
Middle Fork American River Project

**Map 4-3i**  
**FERC Project Boundary Modifications**  
**Hell Hole Area**

Date: 2/10/11

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



**PCWA Facilities and Features**

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

**Project Power and Communication Lines:**

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

**Transportation**

- Road
- Project Road
- Project Trail
- Recreation Access Road
- Recreation Facility Water Supply Access Road or Trail

**Project Recreation Facilities**

- Picnic Area
- Boat Ramp
- Scenic Viewpoint
- Developed Campground
- Trailer Sanitary Station
- Water Supply Line (Above ground)
- Water Supply Line (Buried)

**Other Facilities**

PG & E Transmission Lines:

- 230 kV
- 60 kV

**Boundary Modifications**

- Existing
- Addition
- Reduction

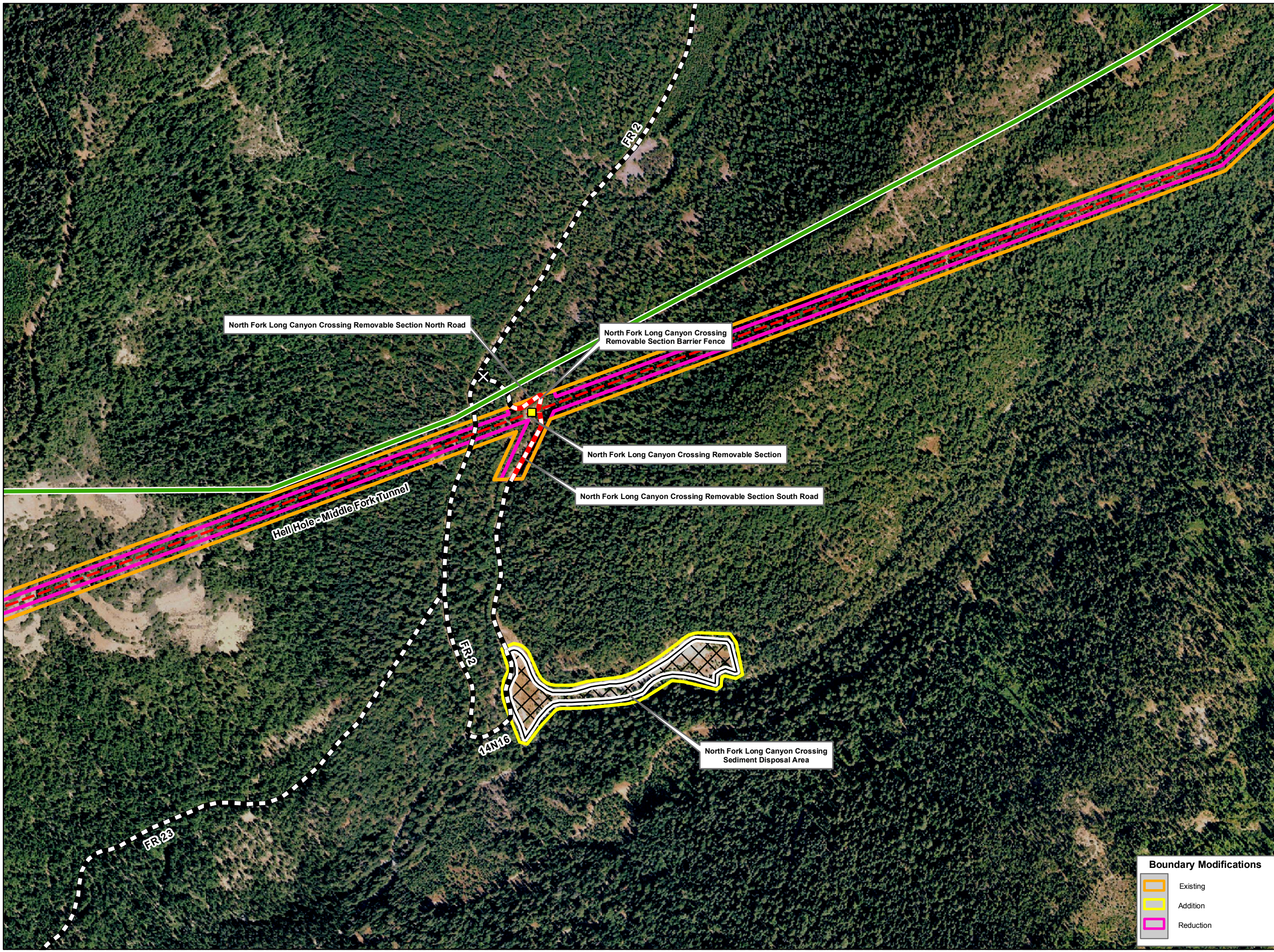
Placer County Water Agency  
Middle Fork American River Project

**Map 4-3j**  
**FERC Project Boundary Modifications**  
**Long Canyon Area**

0 250 500 Feet

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

Date: 2/11/11



**PCWA Facilities and Features**

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

**Project Power and Communication Lines:**

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

**Transportation**

- Road
- Project Road
- Project Trail
- Recreation Access Road
- Recreation Facility Water Supply Access Road or Trail

**Project Recreation Facilities**

- Picnic Area
- Boat Ramp
- Scenic Viewpoint
- Developed Campground
- Trailer Sanitary Station
- Water Supply Line (Above ground)
- Water Supply Line (Buried)

**Other Facilities**

PG & E Transmission Lines:

- 230 kV
- 60 kV

**Boundary Modifications**

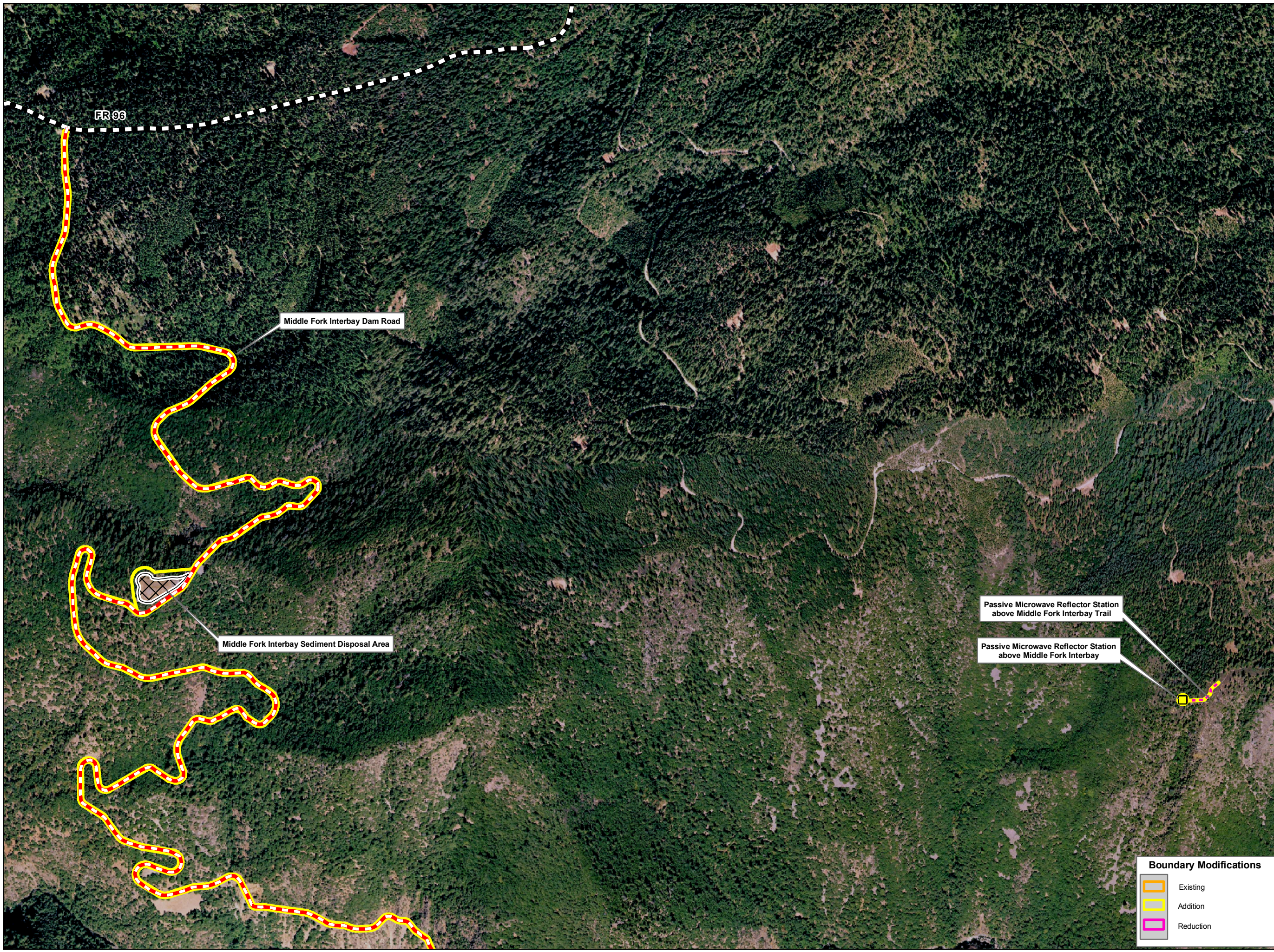
- Existing
- Addition
- Reduction

Placer County Water Agency  
Middle Fork American River Project

**Map 4-3k**  
**FERC Project Boundary Modifications**  
**Long Canyon Area**

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

Date: 2/11/11



**PCWA Facilities and Features**

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

**Project Power and Communication Lines:**

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

**Transportation**

- Road
- Project Road
- Project Trail
- Recreation Access Road
- Recreation Facility Water Supply Access Road or Trail

**Project Recreation Facilities**

- Picnic Area
- Boat Ramp
- Scenic Viewpoint
- Developed Campground
- Trailer Sanitary Station
- Water Supply Line (Above ground)
- Water Supply Line (Buried)

**Other Facilities**

PG & E Transmission Lines:

- 230 kV
- 60 kV

**Boundary Modifications**

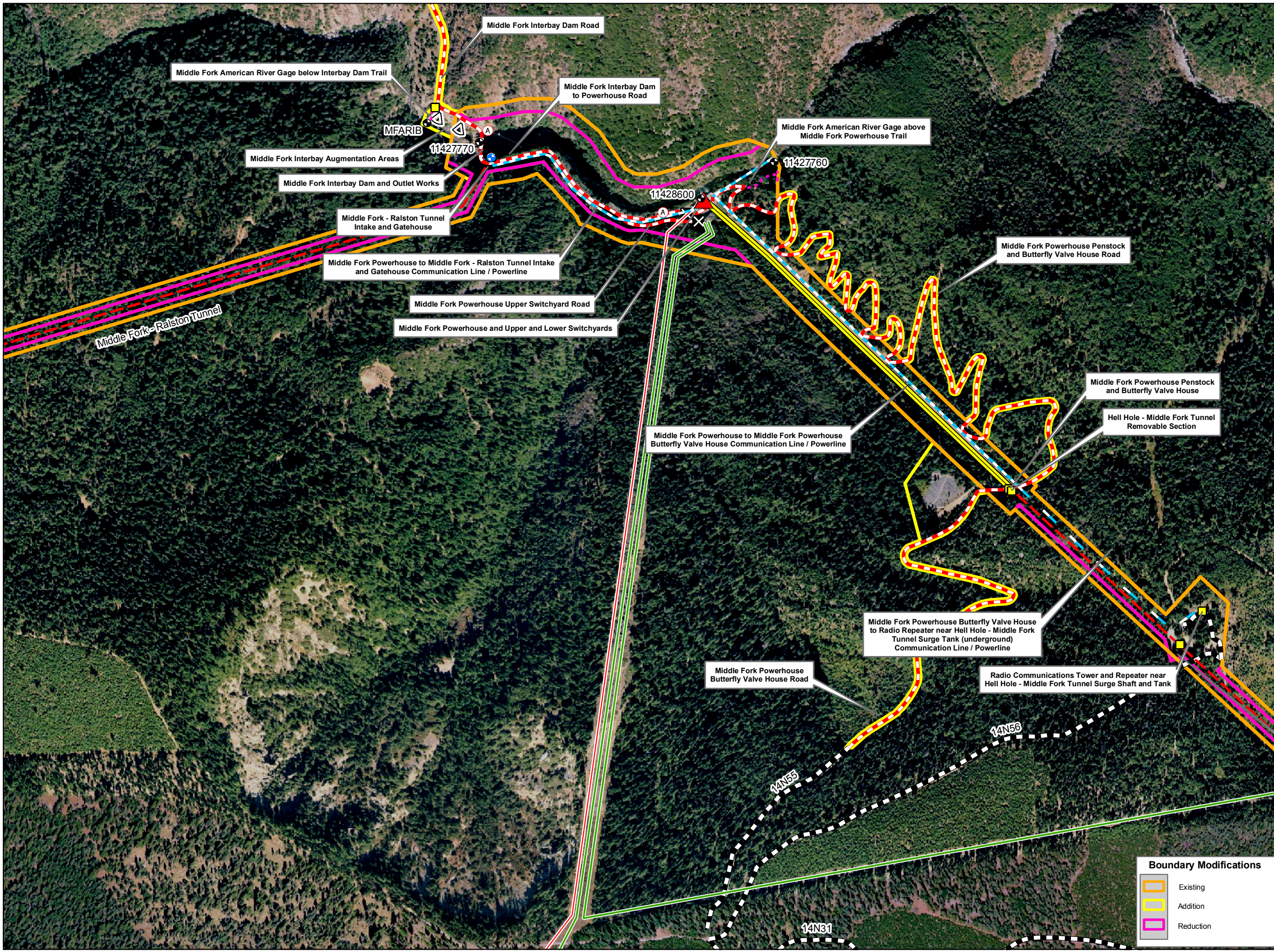
- Existing
- Addition
- Reduction

Placer County Water Agency  
Middle Fork American River Project

**Map 4-31**  
**FERC Project Boundary Modifications**  
**Middle Fork Interbay Area**

Date: 2/11/11

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



**PCWA Facilities and Features**

- ▲ Powerhouse
- Gage
- Reservoir Gage
- Penstock
- Tunnel
- Pipeline
- ⊠ Gate
- A Access Point
- Public Safety Fence
- Ancillary and Other Facilities

**Project Power and Communication Lines:**

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

**Transportation**

- Road
- Project Road
- Project Trail
- Recreation Access Road
- Recreation Facility Water Supply Access Road or Trail

**Project Recreation Facilities**

- ⊞ Picnic Area
- ⊞ Boat Ramp
- ⊞ Scenic Viewpoint
- ⊞ Developed Campground
- ⊞ Trailer Sanitary Station
- Water Supply Line (Above ground)
- Water Supply Line (Buried)

**Other Facilities**

- PG & E Transmission Lines:
- 230 kV
  - 60 kV

**Boundary Modifications**

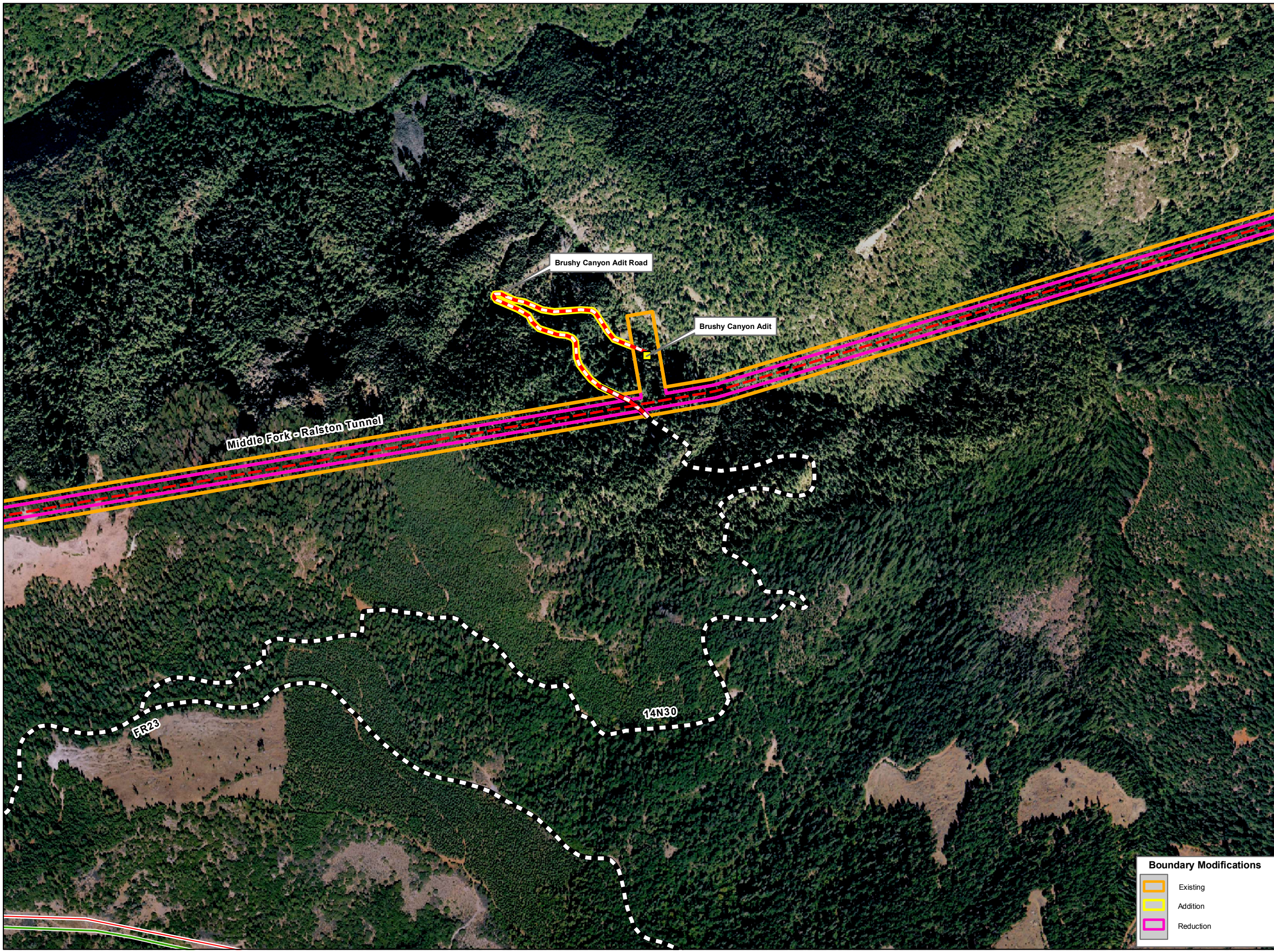
- Existing
- Addition
- Reduction



Placer County Water Agency  
Middle Fork American River Project


**Map 4-3m**  
**FERC Project Boundary Modifications**  
**Middle Fork Interbay Area**


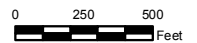
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 Projection: Ca. Stateplane, Zone 2  
 Datum: NAD 83  
 Date: 2/11/11

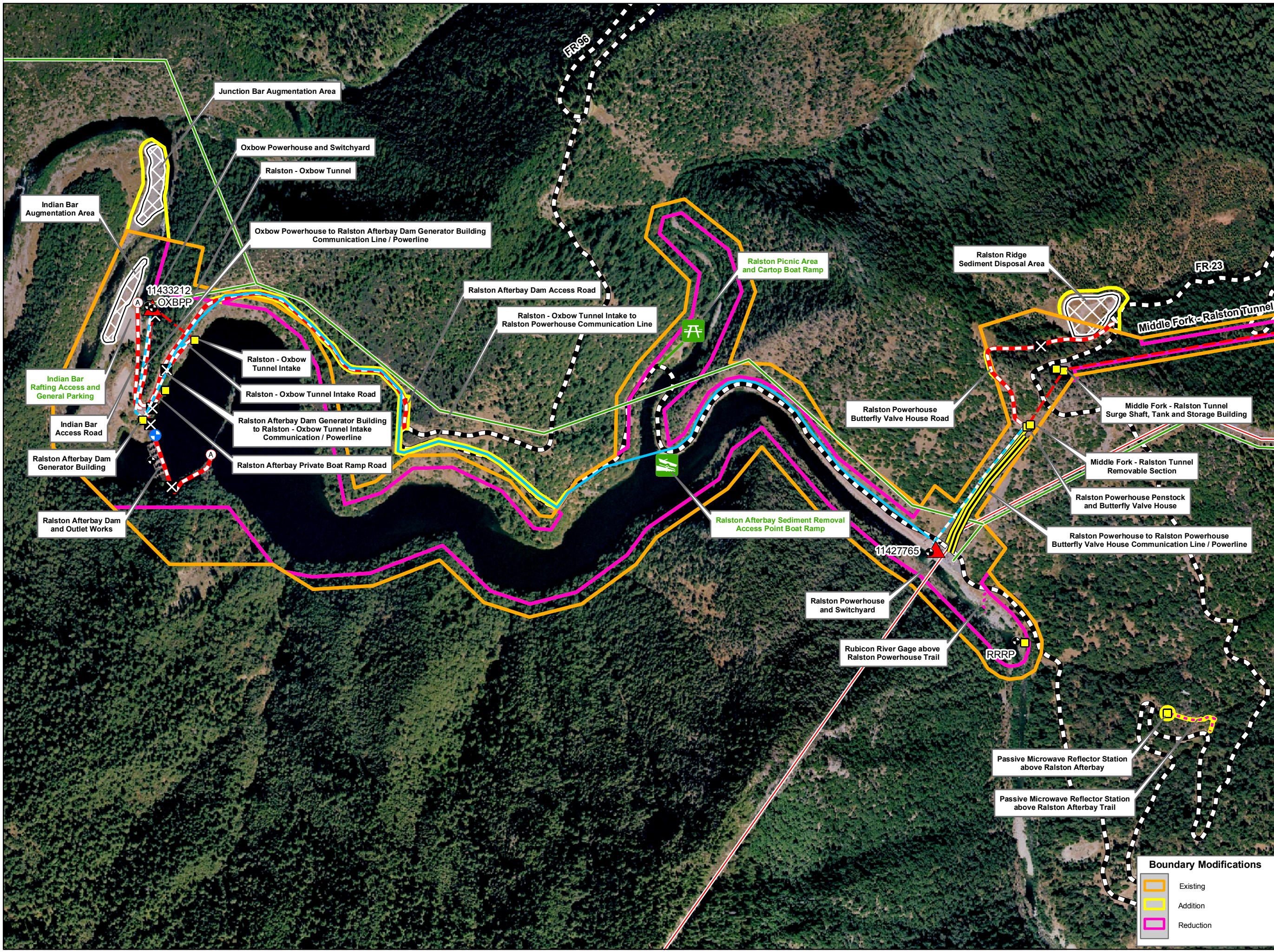


- PCWA Facilities and Features**
- Powerhouse
  - Gage
  - Reservoir Gage
  - Penstock
  - Tunnel
  - Pipeline
  - Gate
  - Access Point
  - Public Safety Fence
  - Ancillary and Other Facilities
- Project Power and Communication Lines:**
- Communication
  - Power
  - Power (underground)
  - Communication/Power
  - Communication/Power (underground)
- Transportation**
- Road
  - Project Road
  - Project Trail
  - Recreation Access Road
  - Recreation Facility Water Supply Access Road or Trail
- Project Recreation Facilities**
- Picnic Area
  - Boat Ramp
  - Scenic Viewpoint
  - Developed Campground
  - Trailer Sanitary Station
  - Water Supply Line (Above ground)
  - Water Supply Line (Buried)
- Other Facilities**
- PG & E Transmission Lines:
- 230 kV
  - 60 kV

- Boundary Modifications**
- Existing
  - Addition
  - Reduction

  
 Placer County Water Agency  
 Middle Fork American River Project  
**Map 4-3n**  
**FERC Project Boundary Modifications**  
**Brushy Canyon Area**


  
 Projection: Ca. Stateplane, Zone 2  
 Datum: NAD 83  
 Date: 2/11/11



- PCWA Facilities and Features**
- Powerhouse
  - Gage
  - Reservoir Gage
  - Penstock
  - Tunnel
  - Pipeline
  - Gate
  - Access Point
  - Public Safety Fence
  - Ancillary and Other Facilities
- Project Power and Communication Lines:**
- Communication
  - Power
  - Power (underground)
  - Communication/Power
  - Communication/Power (underground)
- Transportation**
- Road
  - Project Road
  - Project Trail
  - Recreation Access Road
  - Recreation Facility Water Supply Access Road or Trail
- Project Recreation Facilities**
- Picnic Area
  - Boat Ramp
  - Scenic Viewpoint
  - Developed Campground
  - Trailer Sanitary Station
  - Water Supply Line (Above ground)
  - Water Supply Line (Buried)
- Other Facilities**
- PG & E Transmission Lines:
- 230 kV
  - 60 kV

- Boundary Modifications**
- Existing
  - Addition
  - Reduction

Placer County Water Agency  
Middle Fork American River Project

**Map 4-3o**  
**FERC Project Boundary Modifications**  
**Ralston Afterbay Area**

Date: 2/11/11

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