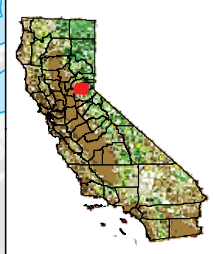


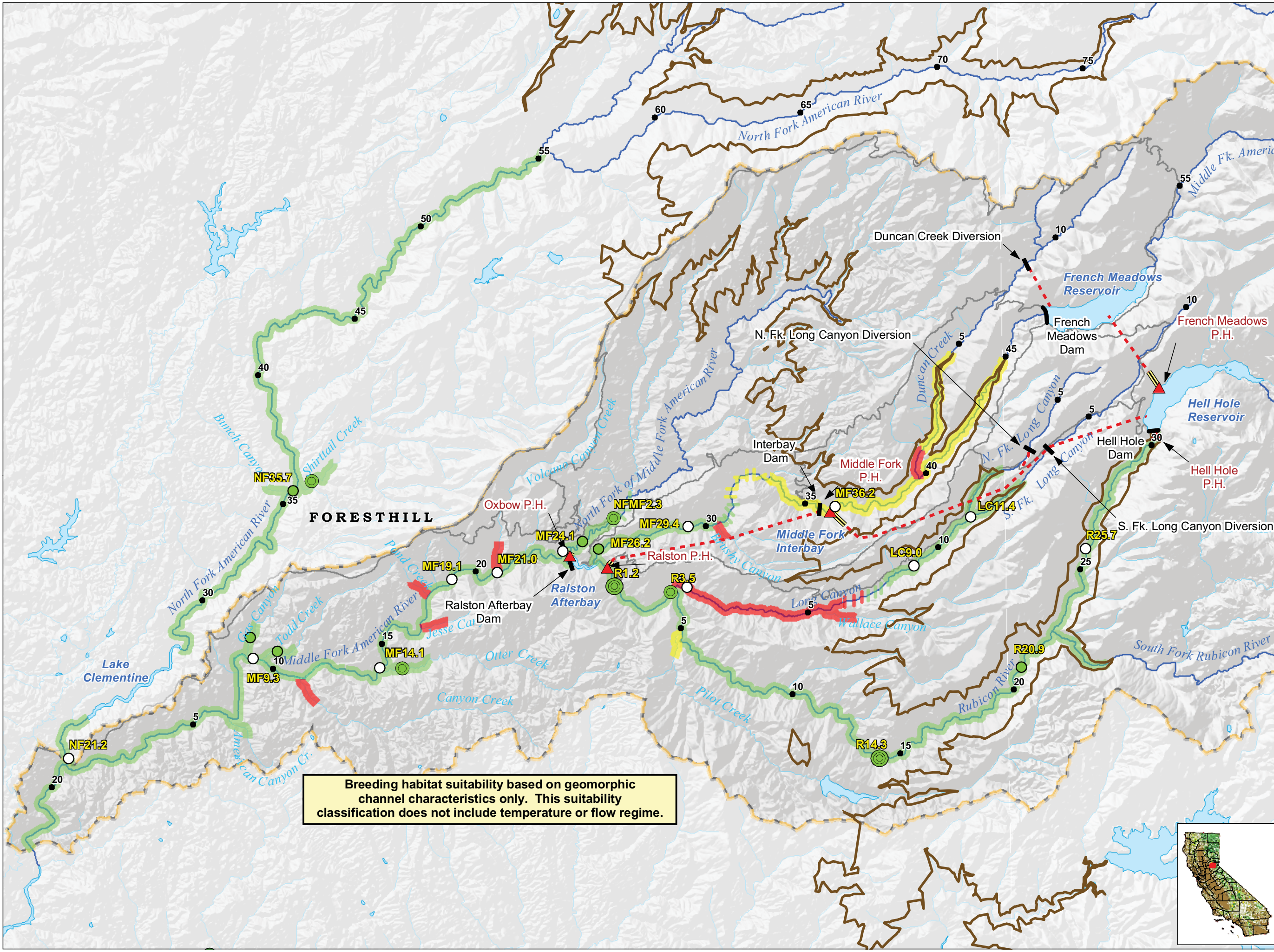
- Project Facilities**
- Powerhouse
 - Dam
 - Tunnel
 - Penstock
- Transportation**
- Major Highway
 - Minor Highway
- Hydrography**
- Watercourse with river miles (5 mi. increments)
 - Water Body
 - Middle Fork American River Watershed*
- *Modified from Calwater Ver. 2.2 to represent drainage above high-water mark of Folsom Lake
- Hypsography**
- 4500' Elevation
- Study Sites and Qualitative Sampling Locations**
- Representative Sites Typically at 2006 Geomorphic and Riparian Quantification Study Sites (QSS)
 - Additional Study Sites
 - Potential Comparison Reach Study Sites
 - One-time Qualitative Sampling Location
 - Incidental One-time Site Visit



Placer County Water Agency
 Middle Fork American River Project
Map AQ 12-1
Foothill Yellow-Legged Frog
Study Site Locations



0 1 2 3 Miles
 Projection: CA State Plane, Zone 2
 Datum: NAD 83
 Date: 12/11/2007

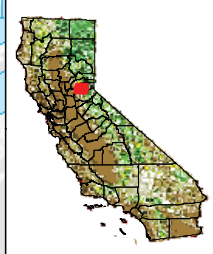


Breeding habitat suitability based on geomorphic channel characteristics only. This suitability classification does not include temperature or flow regime.

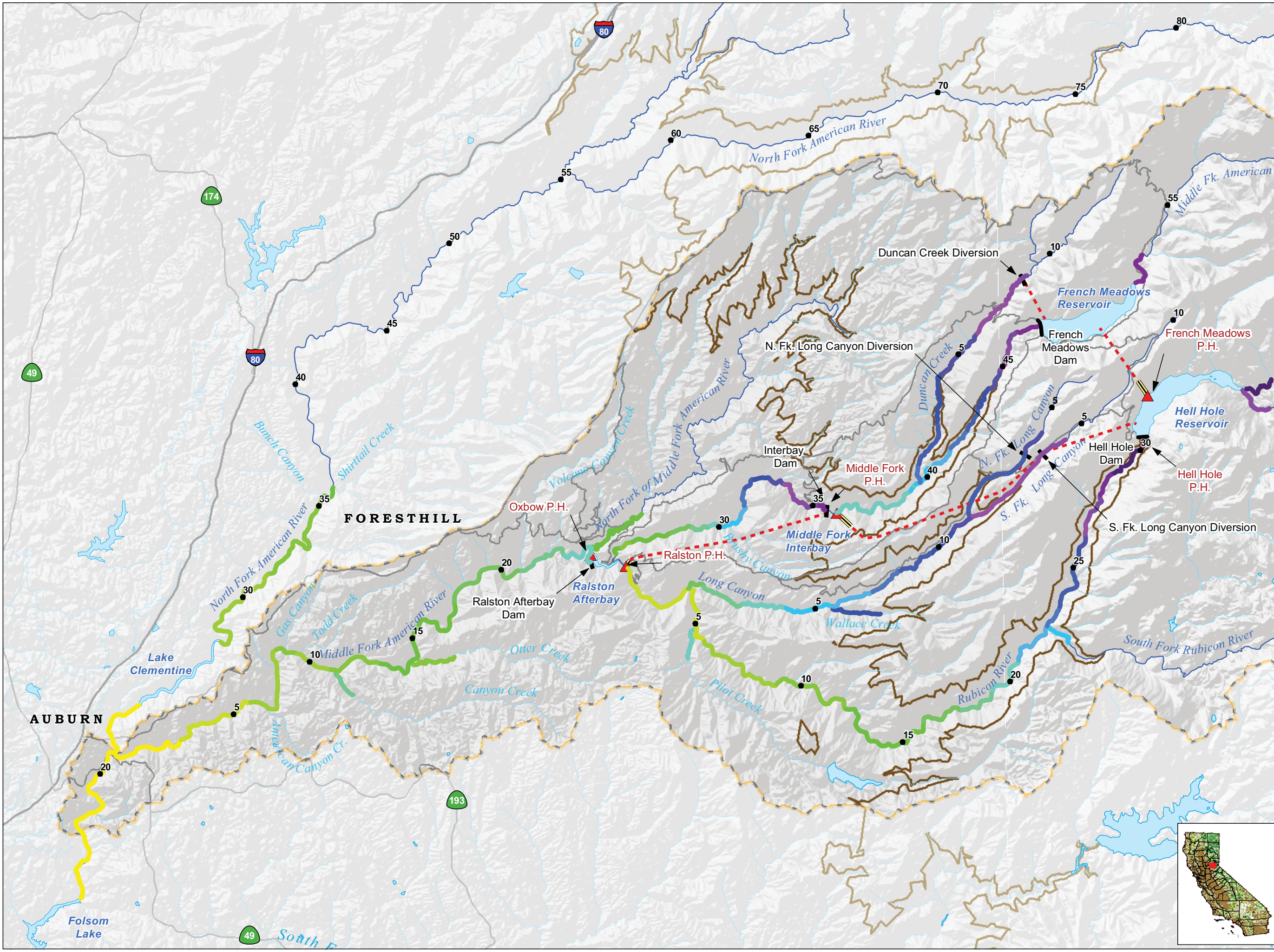
- Project Facilities**
- ▲ Powerhouse
 - Dam
 - - - Tunnel
 - === Penstock
- Transportation**
- Major Highway
 - Minor Highway
- Hydrography**
- Watercourse with river miles (5 mi. increments)
 - Water Body
 - Middle Fork American River Watershed*
- *Modified from Calwater Ver. 2.2 to represent drainage above high-water mark of Folsom Lake
- Hypsography**
- 4500' Elevation
- FYLF Habitat Suitability**
- Suitable
 - Limited - (Distribution of suitable habitat is patchy)
 - Unsuitable
 - Denotes transition zone between habitat suitability reaches
 - River not Assessed
- FYLF Spring Breeding Survey Study Sites**
- 0 Egg Masses Detected
 - 1 - 10 Egg Masses Detected
 - 11 - 20 Egg Masses Detected
 - 21 - 25 Egg Masses Detected



Placer County Water Agency
Middle Fork American River Project
Map AQ 12-2
Foothill Yellow-Legged Frog
Habitat Suitability



0 1 2 3
Miles
Projection: CA State Plane, Zone 2
Datum: NAD 83
Date: 12/13/2007



Project Facilities

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

Transportation

- Major Highway
- Minor Highway

Hydrography

- Watercourse with river miles (5 mi. increments)
- Water Body
- Middle Fork American River Watershed*

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

— Inaccessible Stream Segments

Hypsography

- 4500' Elevation

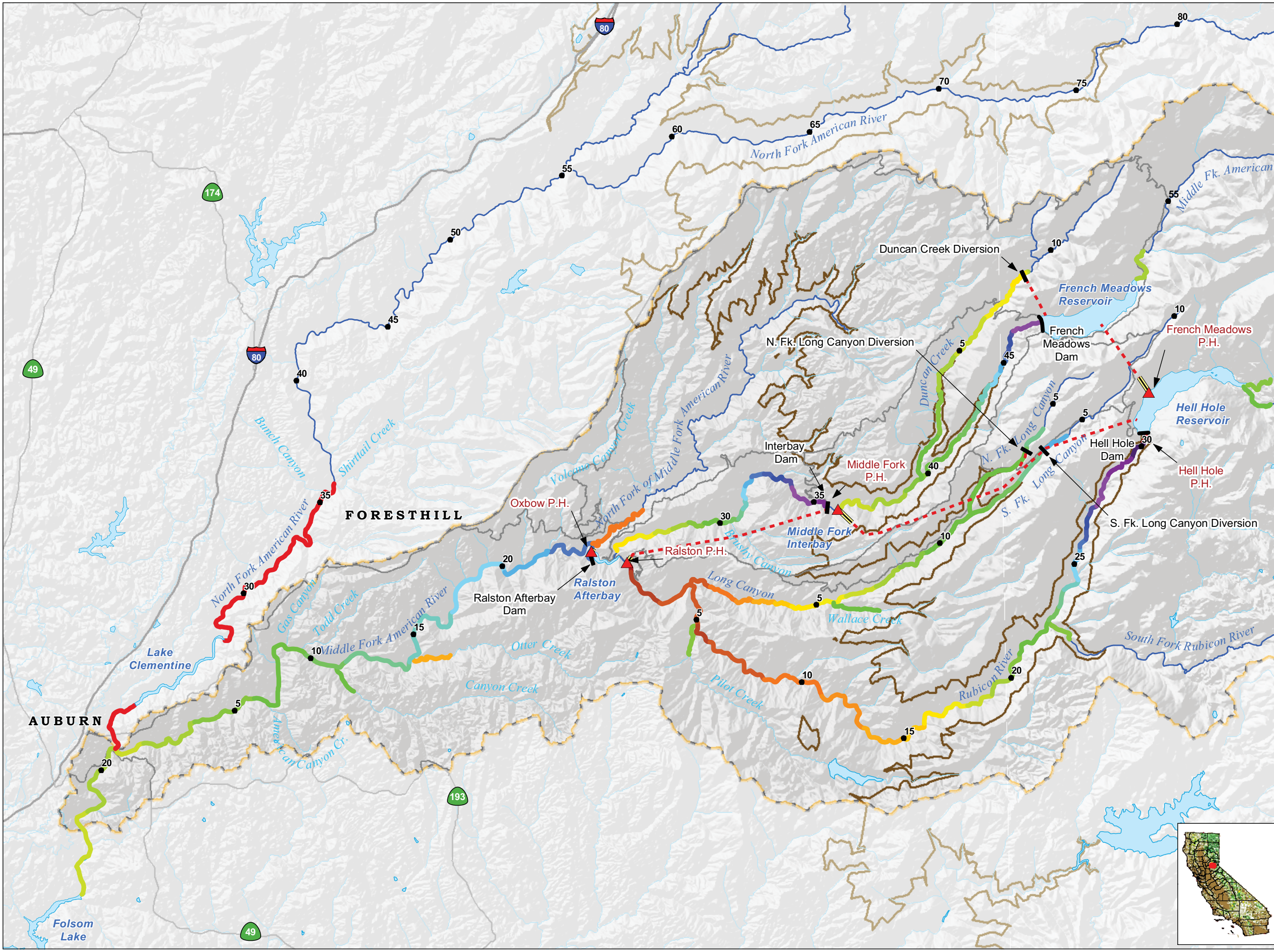
Average Breeding Season Water Temperature 2007

- 43 F
- 45 F
- 50 F
- 55 F
- 60 F
- 65 F

PCWA
Placer County Water Agency
Middle Fork American River Project

Map AQ 12-3a
Average Breeding Season Water Temperature in Study Streams 2007

0 1 2 3 Miles
Projection: CA State Plane, Zone 2
Datum: NAD 83
Date: 12/13/2007



Project Facilities

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

Transportation

- Major Highway
- Minor Highway

Hydrography

- Watercourse with river miles (5 mi. increments)
- Water Body
- Middle Fork American River Watershed*

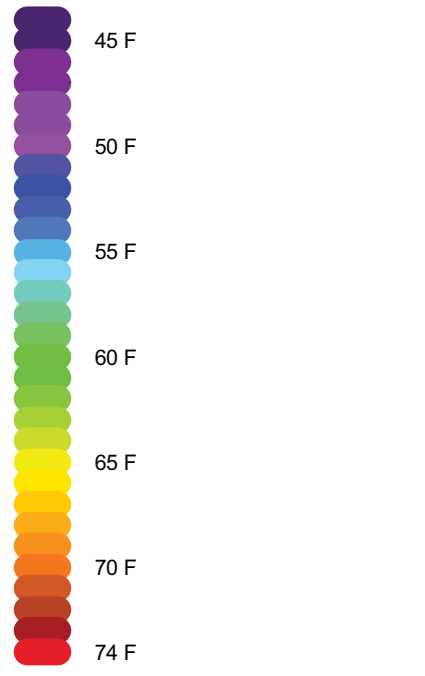
*Modified from Calwater Ver. 2.2 to represent drainage above high-water mark of Folsom Lake

— Inaccessible Stream Segments

Hypsography

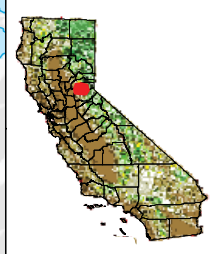
- 4500' Elevation

Average Water Temperature August 2007



Placer County Water Agency
Middle Fork American River Project

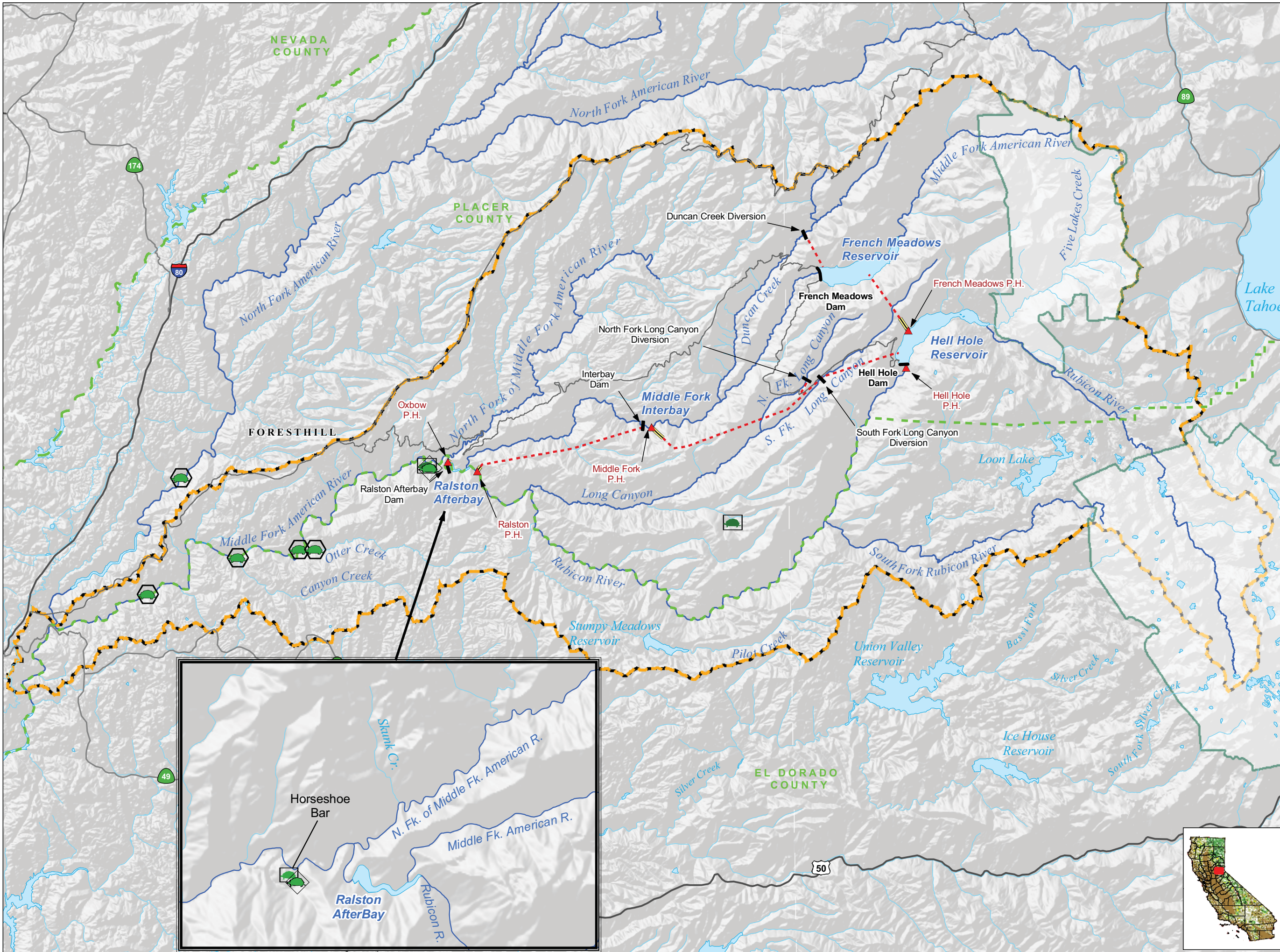
Map AQ 12-3b
Average Water Temperatures
in Study Streams August 2007



0 1 2 3 Miles

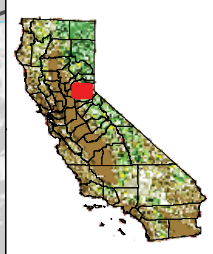
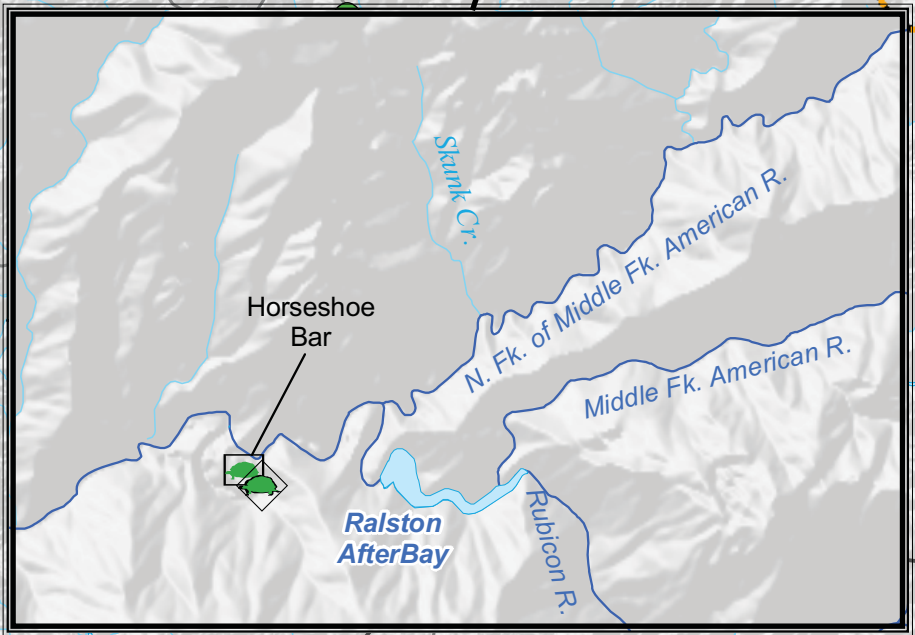
Projection: CA State Plane, Zone 2
Datum: NAD 83

Date: 12/13/2007



- 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
- Western Pond Turtle Sitings**
- CNDDDB Data (Point)
 - USFS Data
 - Jones & Stokes (2002) Data
 - ENTRIX (2007) Data

*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 AQ 12-5
Western Pond Turtle Incidental Sightings
in the Middle Fork American River Watershed

0 1 2 3 4 5 Miles
Projection: CA State Plane, Zone 2
Datum: NAD 83
Date: 12/11/07