 Sediment Study Location

 Bedrock Constriction



Placer County Water Agency
Middle Fork American River Project

Map AQ 9-1

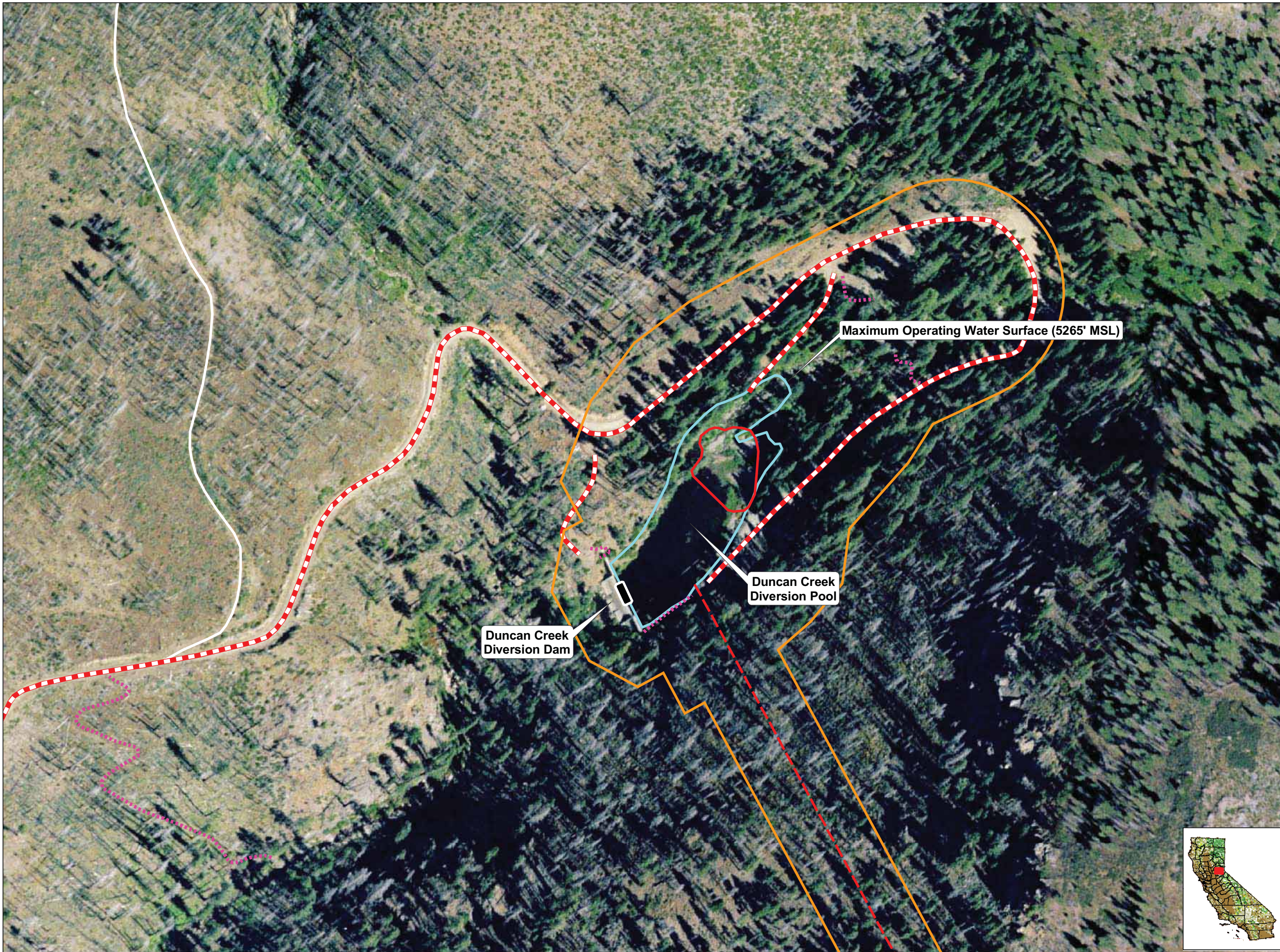
**French Meadows Reservoir
Sediment Study Location**










0 500 1,000 2,000 Feet

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

Date: 1/5/10



Project Related Facilities

-  Dam
-  Tunnel
-  FERC Boundary
- Transportation**
-  Project Road
-  Project Trail
-  Other Roads
- Sediment Sampling Features**
-  Sediment Study Area

Maximum Operating Water Surface (5265' MSL)

Duncan Creek Diversion Pool

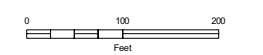
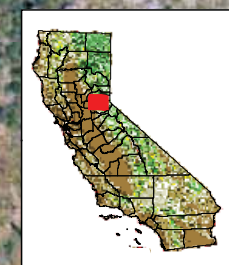
Duncan Creek Diversion Dam



Placer County Water Agency
Middle Fork American River Project

Map AQ 9-2

Duncan Creek Diversion Pool
Sediment Study Location



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

Date: 8/6/10



23 Particle Size Region with ID (Br = Bedrock)

☐ Test Pit Sampling Location

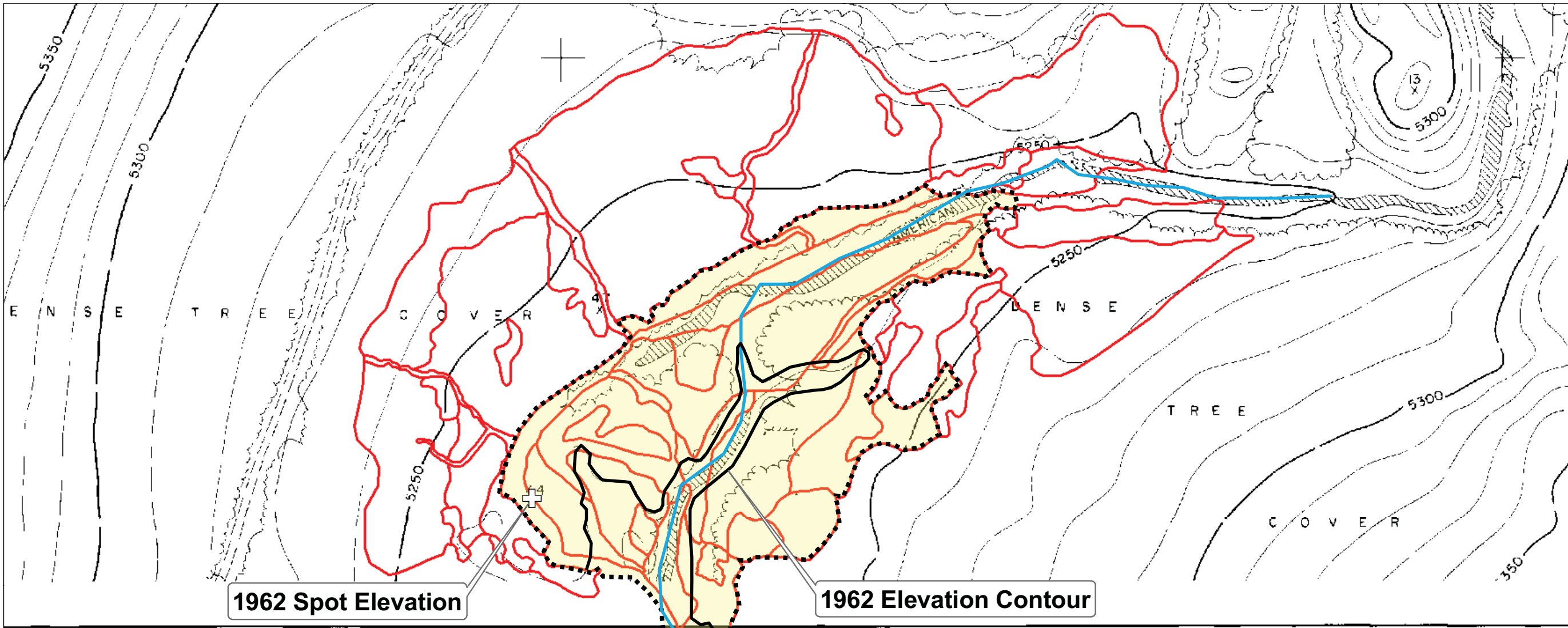





Placer County Water Agency
Middle Fork American River Project

Map AQ 9-3
French Meadows Reservoir
Particle Size Regions



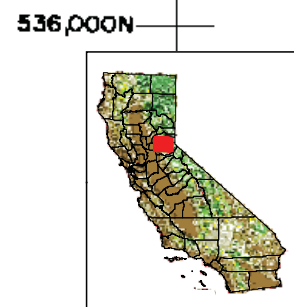
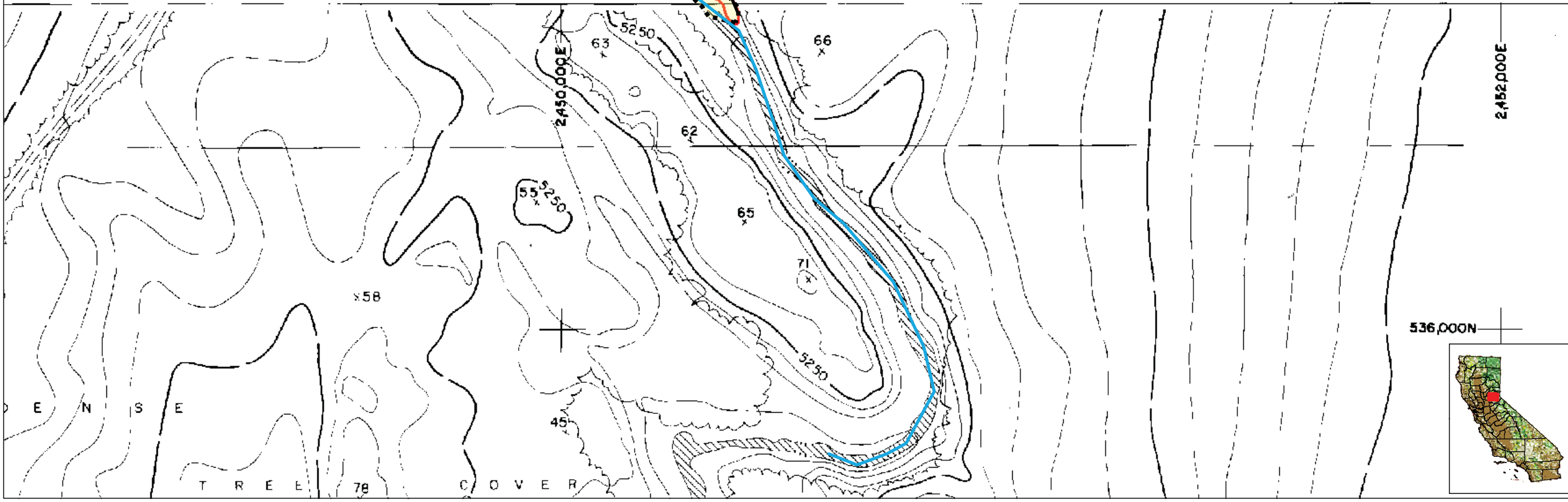
50 25 0 50 Feet
Projection: CA State Plane, Zone 2
Datum: NAD 83
Date: 1/6/10



-  Pre-Reservoir Channel Alignment
-  Gravel Depositional Area
-  Particle Size Regions

1962 Spot Elevation

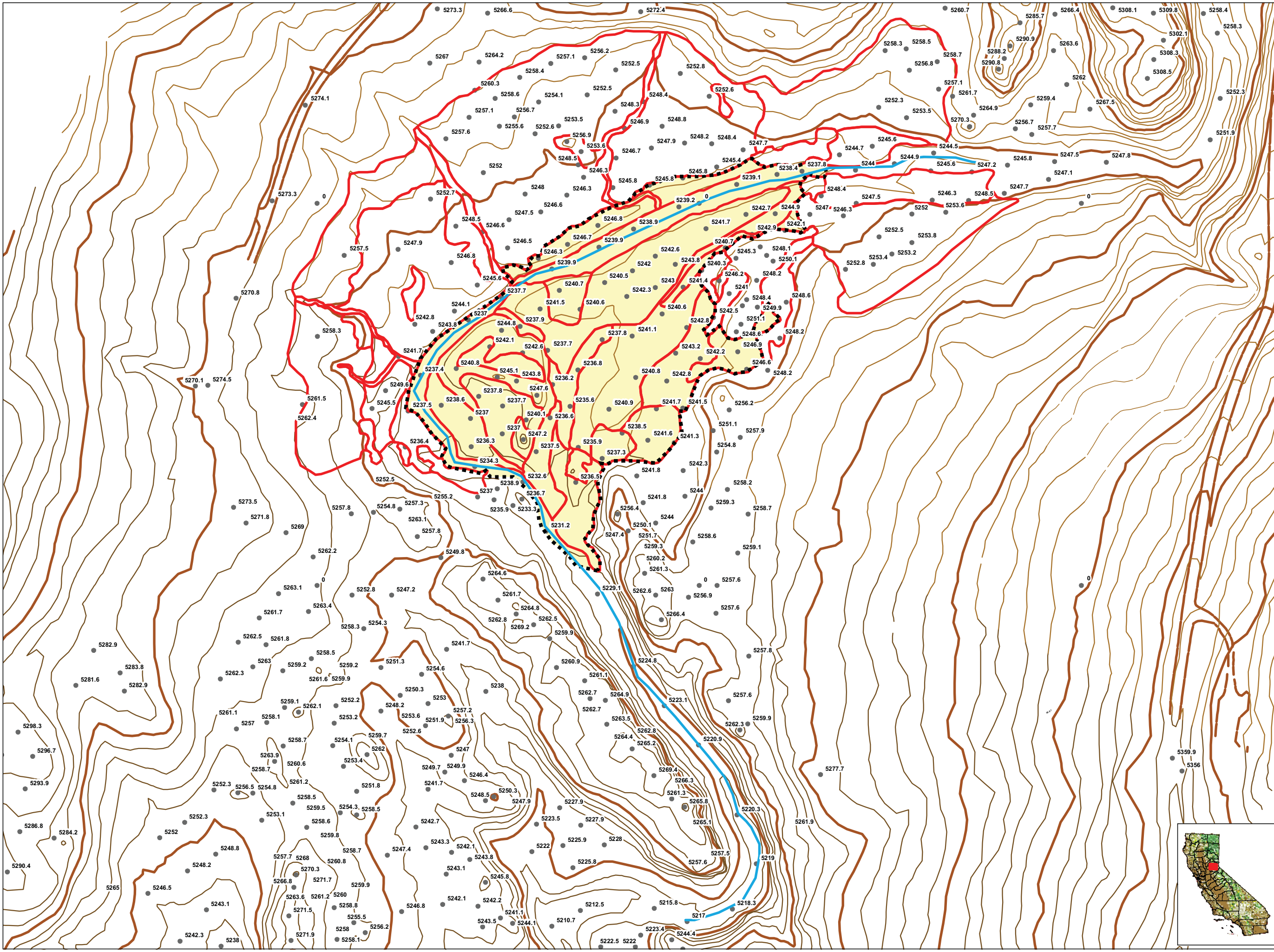
1962 Elevation Contour










PCWA
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 Middle Fork American River Project
Map AQ 9-4
 1962 French Meadows Reservoir
 (Pre-Reservoir) Topography with
 Historic Channel Location

0 50 100 200 Feet
 Projection: CA State Plane, Zone 2
 Datum: NAD 83

Date: 1/12/10




-  Post-Reservoir Channel Alignment
 -  Gravel Depositional Area
 -  Particle Size Regions
- Elevation Data**
-  5' Contour
 -  25' Contour
 -  Spot Elevation



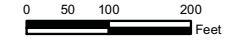
Placer County Water Agency
Middle Fork American River Project

Map AQ 9-5

2007 French Meadows Reservoir
Topography with Current Channel Location

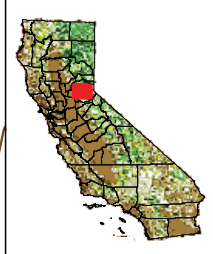


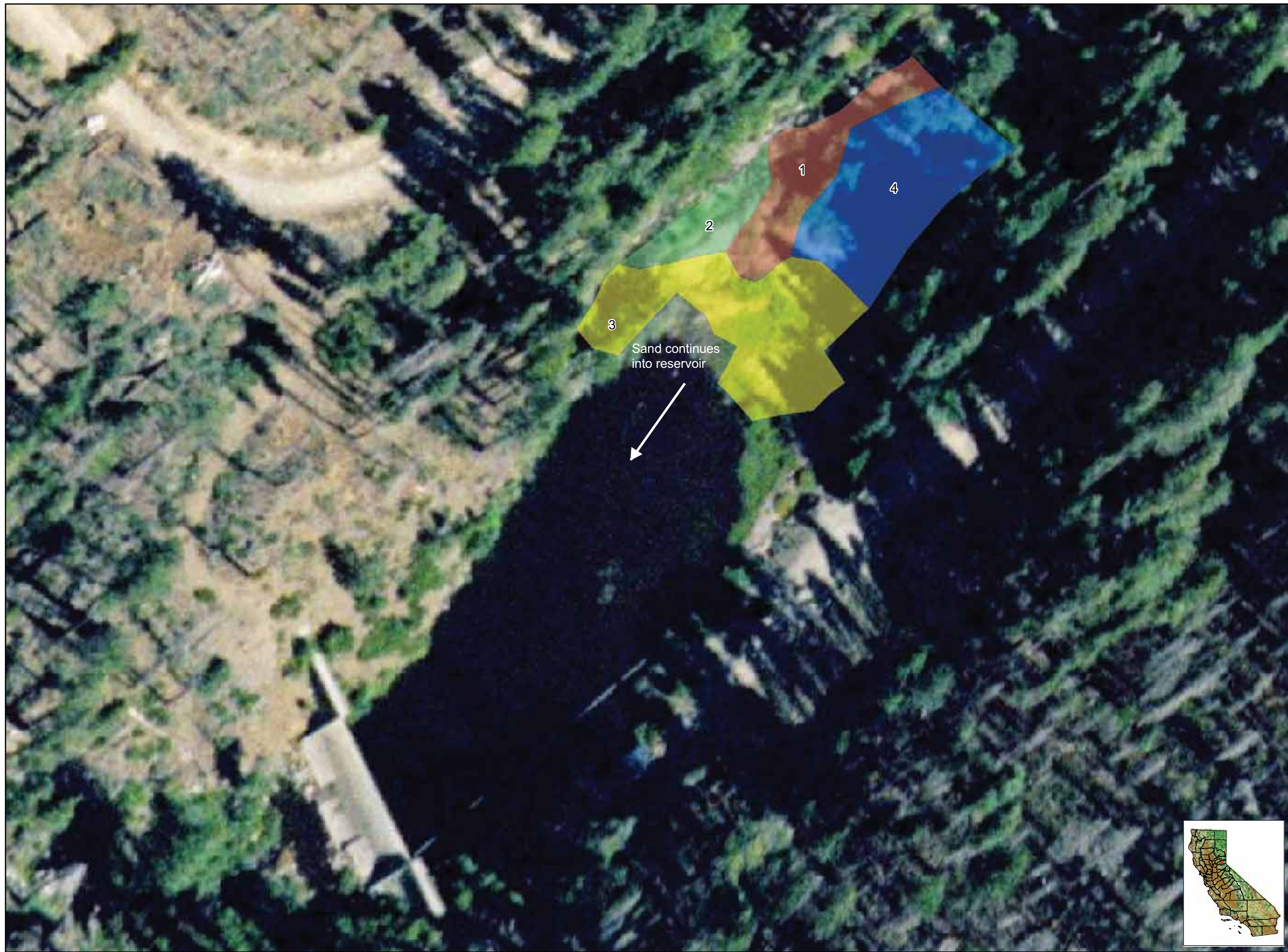
Date: 1/12/10



0 50 100 200
Feet

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





Sediment Polygons

■	Cobble with Boulder
■	Cobble with Gravel
■	Gravel with Cobble
■	Gravel with Sand

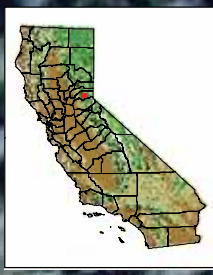
PCWA
 Placer County Water Agency
 Middle Fork American River Project

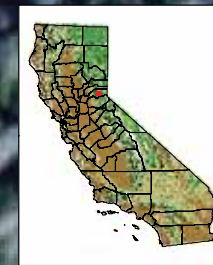
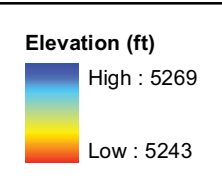
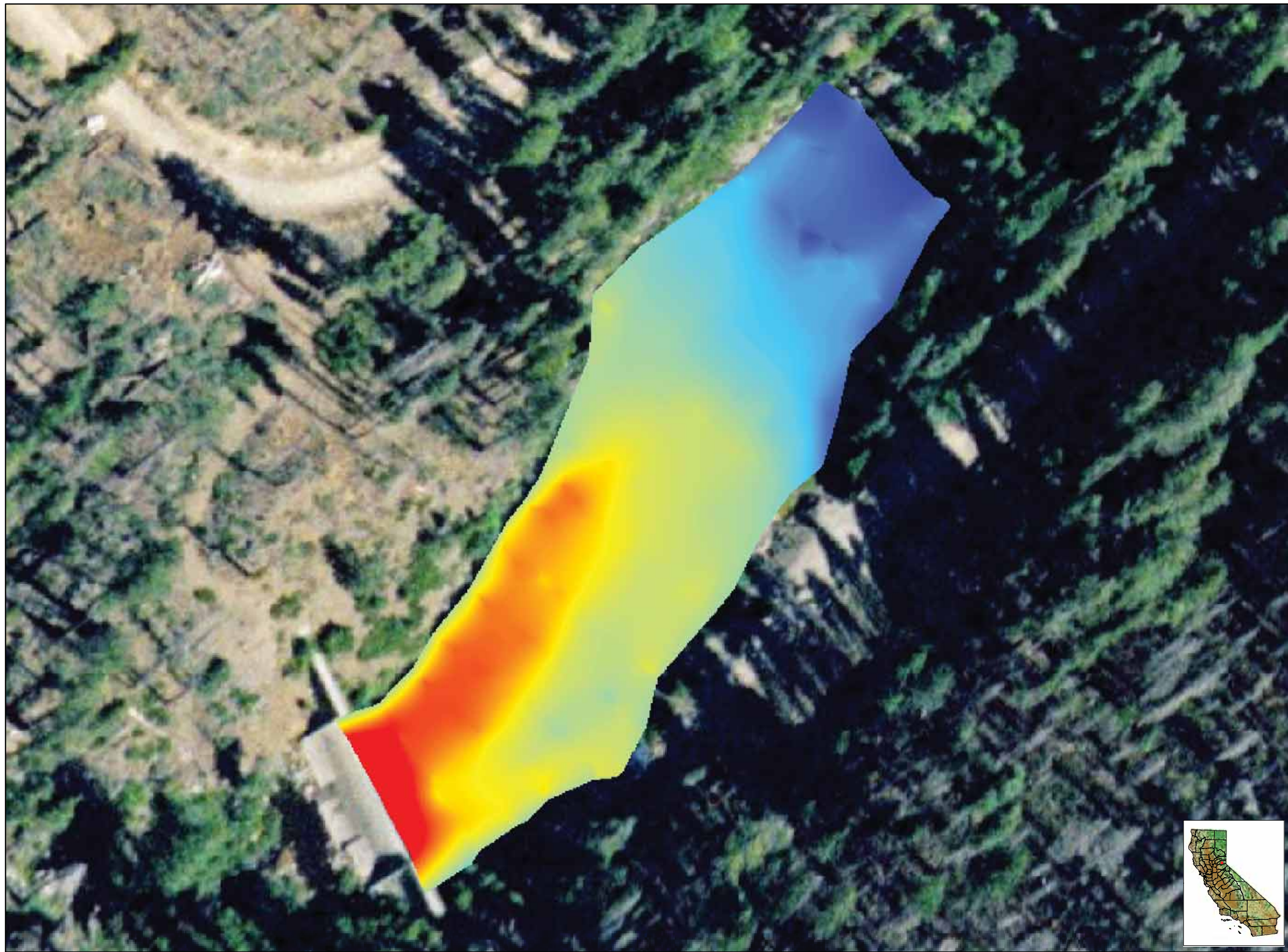
Map AQ 9-6
 Duncan Creek Diversion Pool
 Sediment Mapping

0 25 50 100
 Feet

Projection: CA State Plane, Zone 2
 Datum: NAD 27

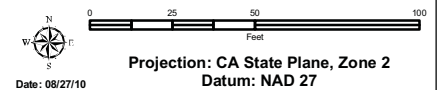
Date: 08/27/10

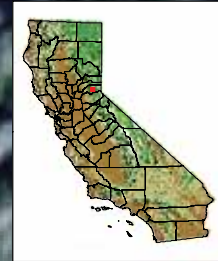
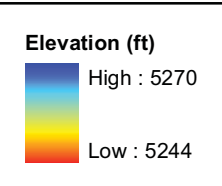
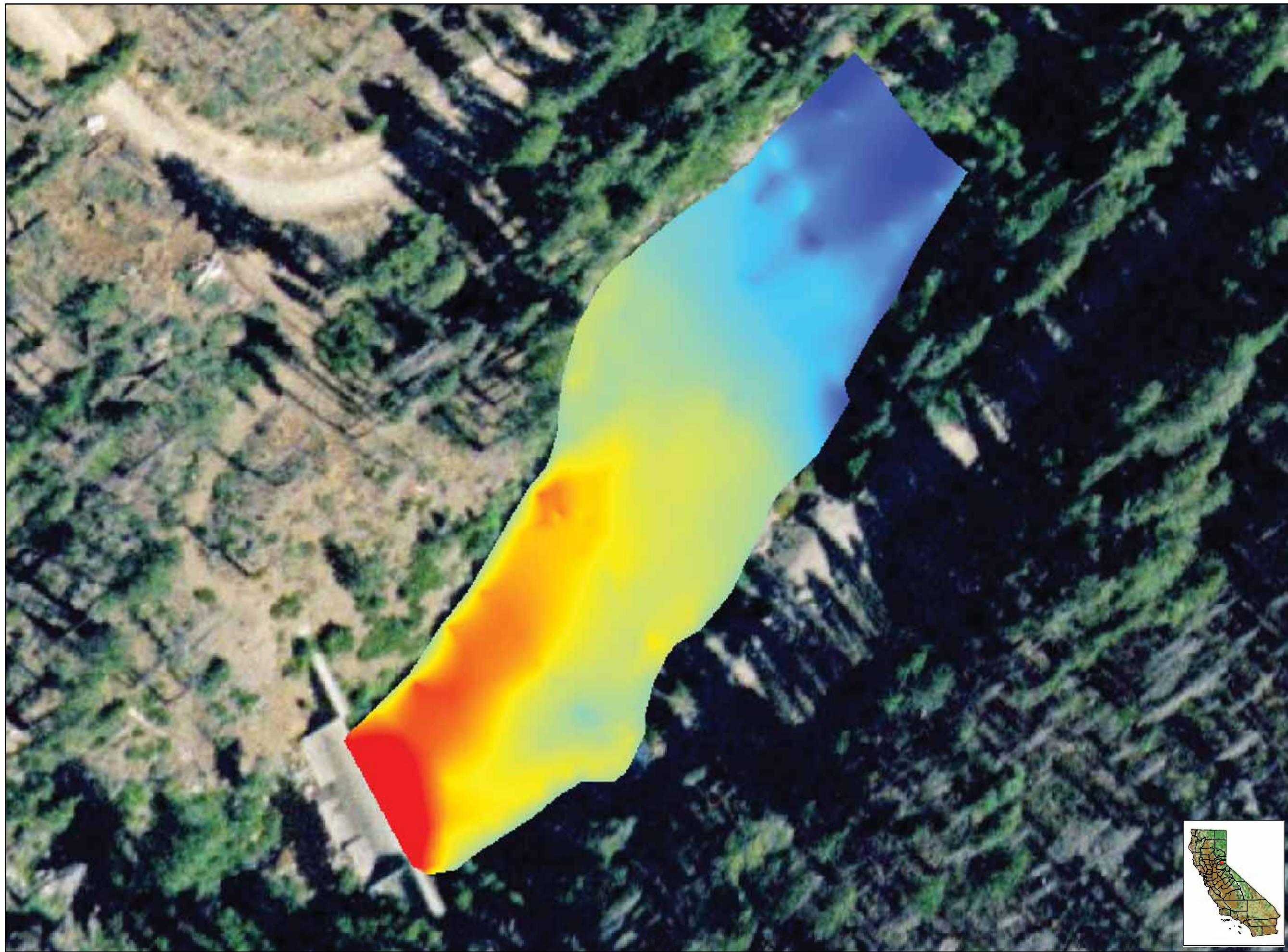





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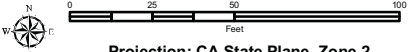
Map AQ 9-7
Duncan Creek Diversion Pool
October 2007 Surveyed Elevations






Placer County Water Agency
Middle Fork American River Project

Map AQ 9-8
Duncan Creek Diversion Pool
August 2010 Surveyed Elevations

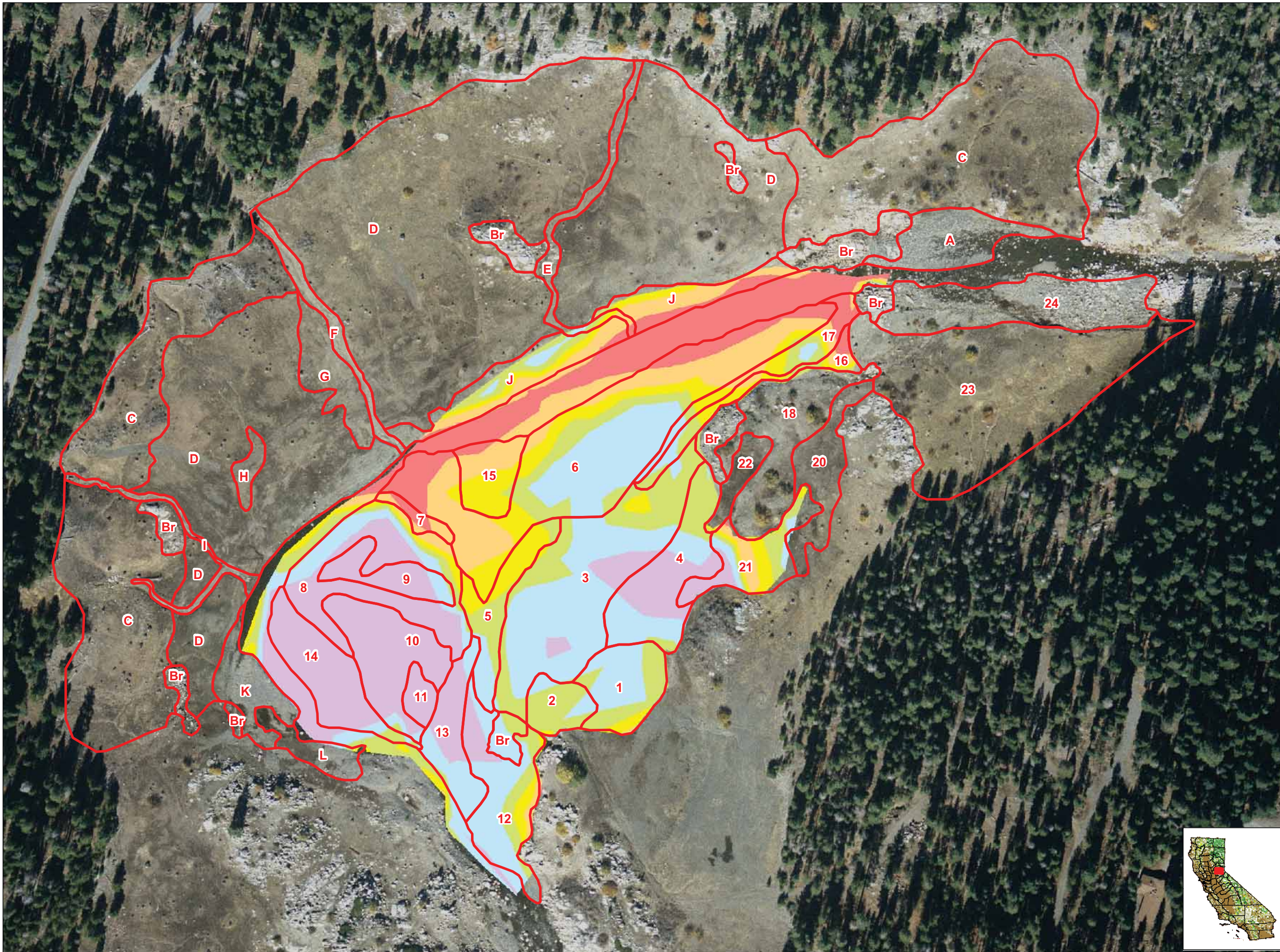

Projection: CA State Plane, Zone 2
Datum: NAD 27
Date: 08/27/10

23

Particle Size Region with ID
(Br = Bedrock)

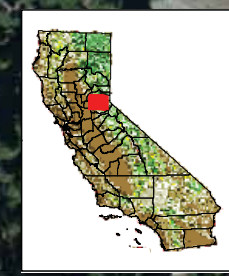
Sediment Deposition Depths

- >3.0ft Cut
- 3.0-1.0ft Cut
- 1.0-0.0ft Cut
- 0.0-1.0ft Fill
- 1.0-3.0ft Fill
- >3.0ft Fill



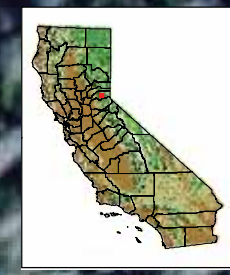
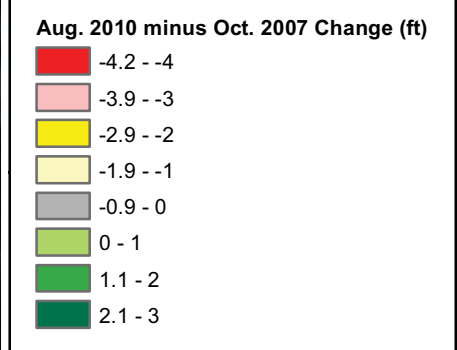
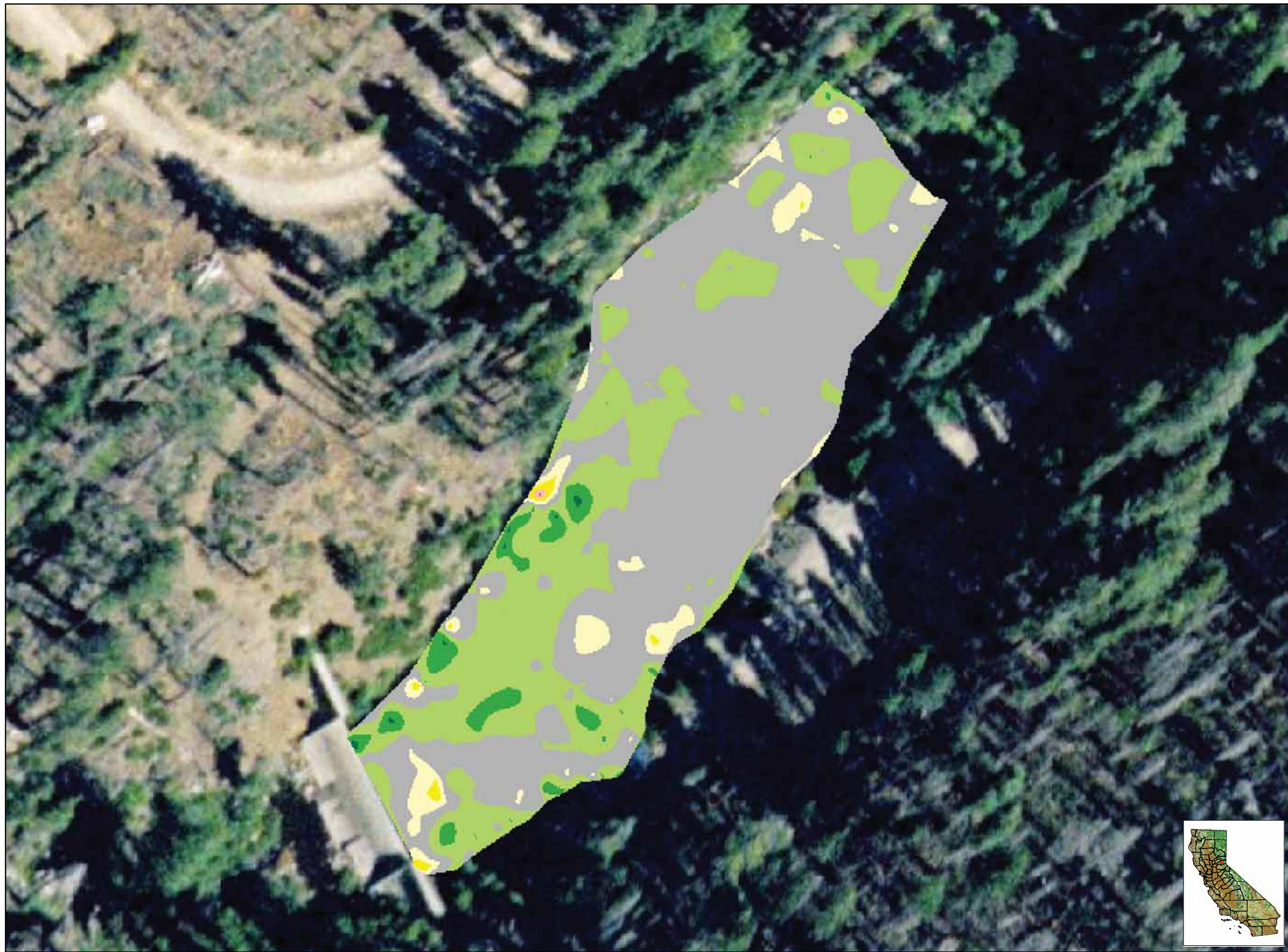
Placer County Water Agency
Middle Fork American River Project

Map AQ 9-9
French Meadows Reservoir
Sediment Deposition Depths



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

Date: 1/12/10



PCWA
 Placer County Water Agency
 Middle Fork American River Project

Map AQ 9-10
 Duncan Creek Diversion Pool
 Bathymetry Change in Elevation: 2007-2010

0 25 50 100
 Feet

Projection: CA State Plane, Zone 2
 Datum: NAD 27

Date: 08/27/10