### Figures

<table>
<thead>
<tr>
<th>Figure</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Figure 1</td>
<td>General Project Location</td>
</tr>
<tr>
<td>Figure 2</td>
<td>Project Configuration Plan</td>
</tr>
<tr>
<td>Figure 3</td>
<td>Locations of Historic Mining in the Western Sierra Nevada</td>
</tr>
<tr>
<td>Figure 4</td>
<td>Slab Creek Reservoir Sediment Sampling Locations</td>
</tr>
<tr>
<td>Figure 5</td>
<td>2007 Longitudinal Profile of Slab Creek Reservoir with Proposed Iowa Hill Intake/Outlet Shown Schematically</td>
</tr>
<tr>
<td>Figure 6</td>
<td>Total Mercury Analytical Results (ng/g)</td>
</tr>
<tr>
<td>Figure 7</td>
<td>Methylmercury Analytical Results (ng/g)</td>
</tr>
<tr>
<td>Figure 8</td>
<td>Combined Total Mercury and Methylmercury Analytical Results (ng/g)</td>
</tr>
<tr>
<td>Figure 9</td>
<td>Grain Size Distribution Results</td>
</tr>
</tbody>
</table>
EXPLANATION

Major watersheds
- Feather River
- North / Middle Yuba River
- South Yuba / Bear River
- American River

Gold mines
- Major placer
- Major hardrock
- All gold mines

Source:

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SACRAMENTO MUNICIPAL UTILITY DISTRICT
IOWA HILL PUMPED STORAGE

SLAB CREEK SEDIMENT INVESTIGATION
LOCATIONS OF HISTORIC MINING IN THE WESTERN SIERRA NEVADA MOUNTAINS

FIGURE 3

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DESIGNED
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DATE: 3/19/2006
SCALE: AS NOTED

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Longitudinal profile of Slab Creek Reservoir, showing the location of the Iowa Hill Development intake/outlet structure, the assumed pre-Slab Creek Dam thalweg, and estimated water surface at normal drawdown reservoir level (1815 ft). Thalweg elevations are derived from the 2007 bathymetric survey data.
FIGURE 6
TOTAL MERCURY ANALYTICAL RESULTS (ng/g)
SLAB CREEK RESERVOIR SEDIMENT INVESTIGATION

Sample Identification

Total Mercury (ng/g)

SS-1-2, 0-2cm
SS-1-2, 2-4cm
SS-2-2, 0-2cm
SS-3-1/2, 0-2cm
SS-3-1/2, 2-4cm
SS-4-2, 0-2cm
SS-4-2, 2-4cm
SS-5-1, 0-2cm
SS-5-1, 2-4cm
SS-5-2, 0-2cm
SS-5-2, 2-4cm
SS-6-2, 0-2cm
SS-6-2, 2-4cm
SS-7-2, 0-3cm
SS-8-1, 0-1cm
SS-9-1, 0-4cm
SS-10-2, 0-2cm
FIGURE 7
METHYL MERCURY ANALYTICAL RESULTS (ng/g)
SLAB CREEK RESERVOIR SEDIMENT INVESTIGATION

Methyl Mercury (ng/g)

Sample Identification

SS-1-2 SS-2-2 SS-3-12 SS-4-2 SS-5-1 SS-6-2 SS-7-2 SS-8-1 SS-9-1 SS-10-2

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UPPER AMERICAN RIVER PROJECT
SLAB CREEK SEDIMENT INVESTIGATION
METHYL MERCURY ANALYTICAL RESULTS
ng/g

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R. B.  
DESIGNED:  
K.T.  
CHECKED:  
DATE:  
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SCALE:  
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SEDIMENT/FIGURES/DWG
FIGURE 8
TOTAL MERCURY vs METHYL MERCURY - ANALYTICAL RESULTS
SLAB CREEK RESERVOIR SEDIMENT INVESTIGATION

Mercury Concentration (ng/g)

Sample Identification

THg (ng/g)
MeHg (ng/g)

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SLAB CREEK SEDIMENT INVESTIGATION
TOTAL MERCURY vs METHYL MERCURY
ANALYTICAL RESULTS
ng/g

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FIGURE 9
GRAIN SIZE DISTRIBUTION RESULTS
SLAB CREEK RESERVOIR SEDIMENT INVESTIGATION

Percent Grain Size

Sample Identification

% sand
% silt
% clay

SS-1, 0-2cm
SS-2, 2-4cm
SS-3, 0-2cm
SS-4, 2-4cm
SS-5, 1-1.2cm
SS-6, 0-2cm
SS-7, 2-4cm
SS-8, 1-1.0cm
SS-9, 1-0.6cm
SS-10, 0.2-0.6cm

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SACRAMENTO MUNICIPAL UTILITY DISTRICT
UPPER AMERICAN RIVER PROJECT
SLAB CREEK SEDIMENT INVESTIGATION
GRAIN SIZE DISTRIBUTION RESULTS
SAND/SILT/CLAY

DRAWING NO.
CHART 9
REF.
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