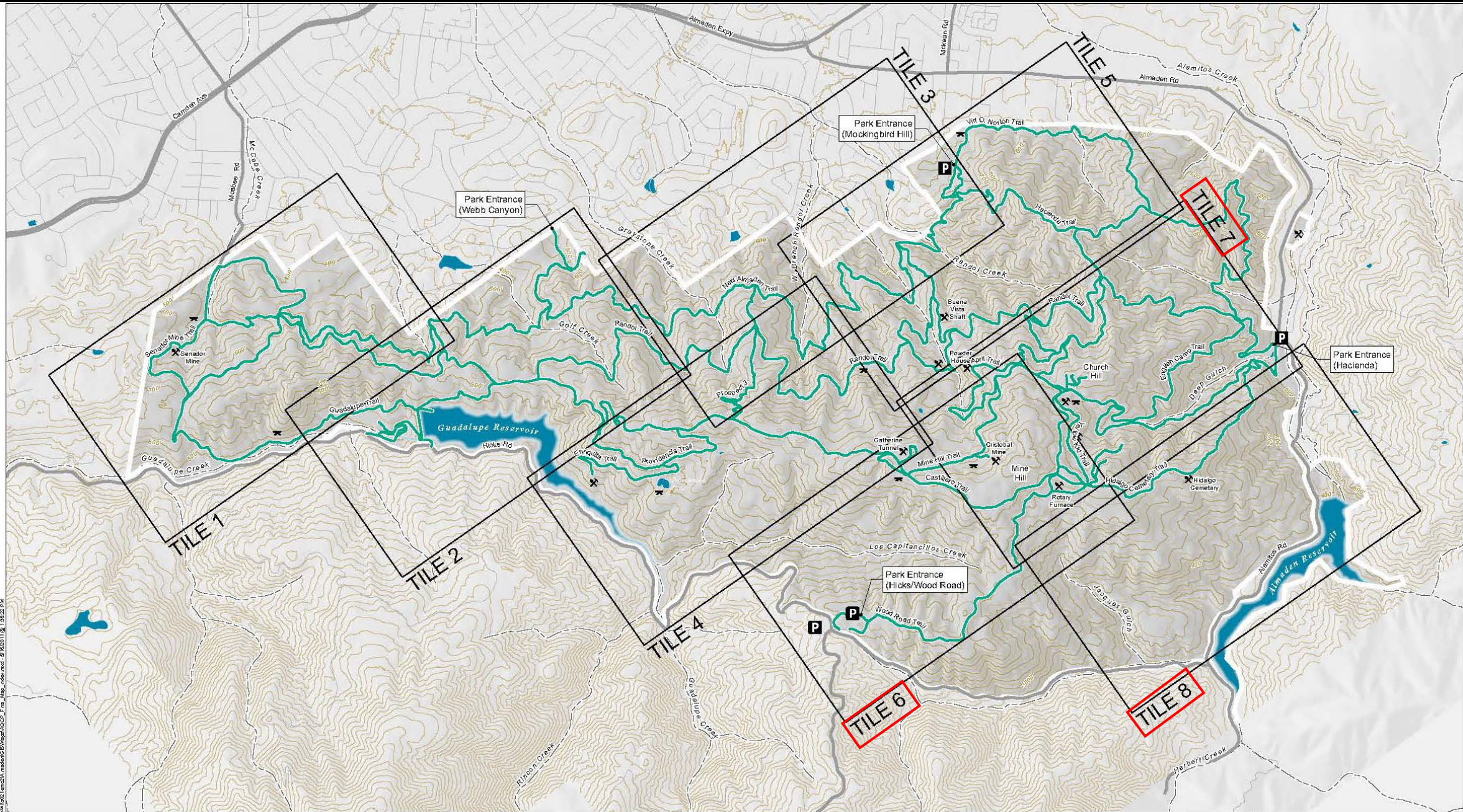
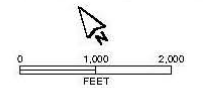


Calcine Paved Roads and Jacques Gulch Site Visit Photos





- Tile extent
- P Parking
- ~ Trail/Service road
- ~ Stream
- x Picnic area
- x Historic site



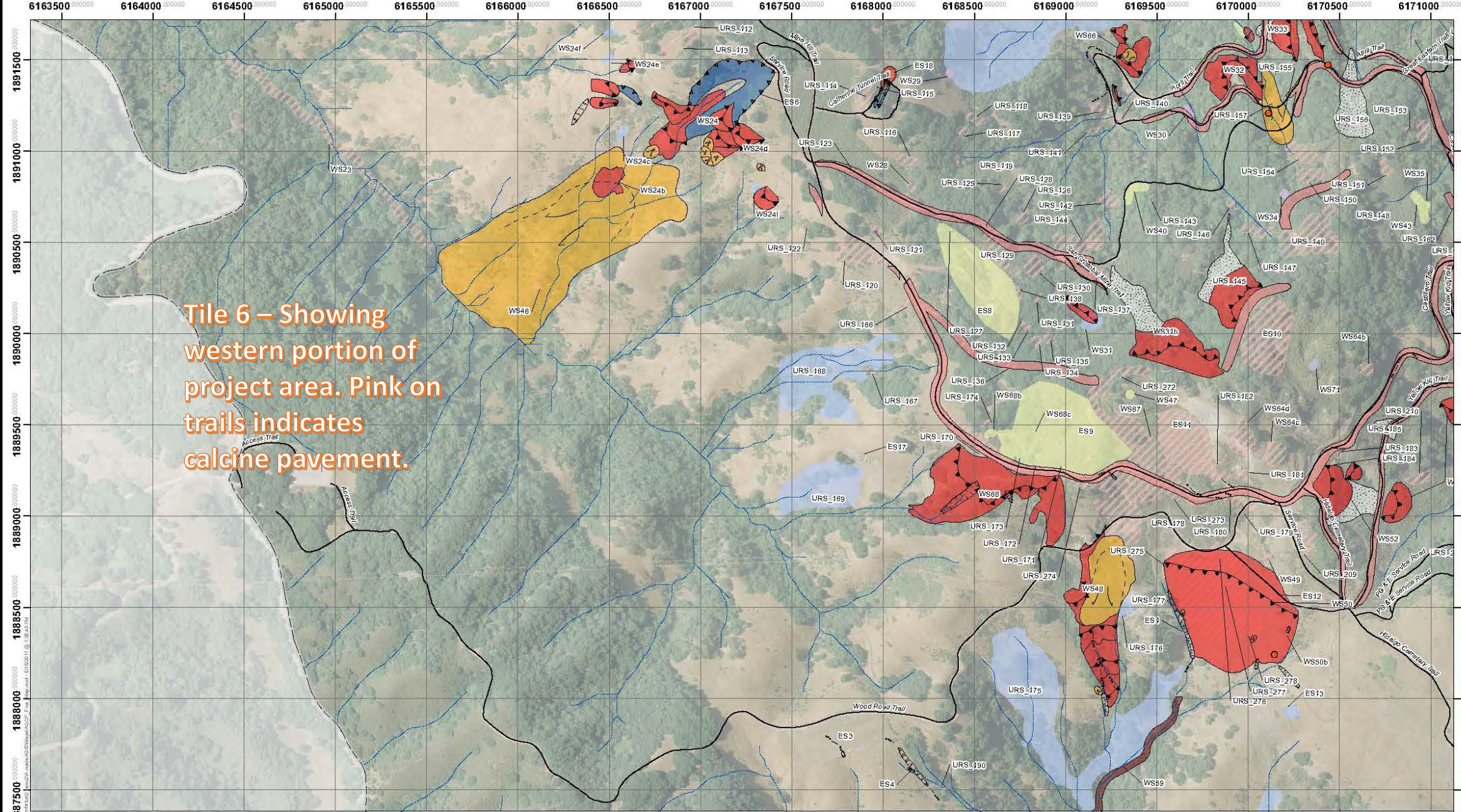
Imagery source: DigitalGlobe ImageConnect Service, 2/12/2010
 Base map source: Santa Clara Valley Water District LIDAR

Almaden Quicksilver County Park & Santa Teresa County Park Mine Material Evaluation

URS

Figure 1 - Tile index
 Feature mapping Almaden Quicksilver County Park

Tile 6 – Showing western portion of project area. Pink on trails indicates calcine pavement.



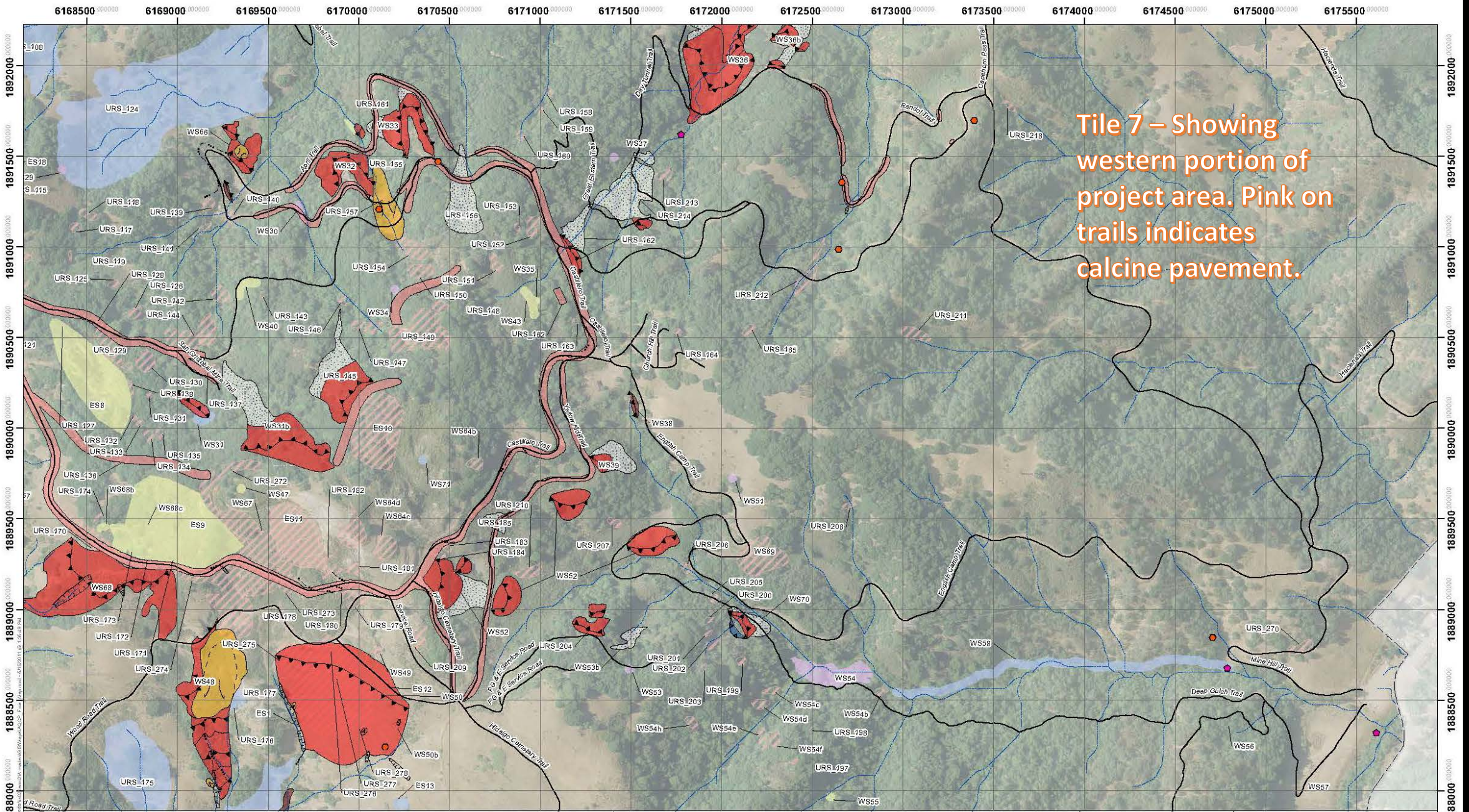
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Imagery source: DigitalGlobe ImageConnect Service, 2/12/2010
Base map source: Santa Clara Valley Water District LIDAR

Almaden Quicksilver County Park & Santa Teresa County Park Mine Material Evaluation

Figure 1 - Tile 6

Feature mapping, Almaden Quicksilver County Park



Tile 7 – Showing western portion of project area. Pink on trails indicates calcine pavement.

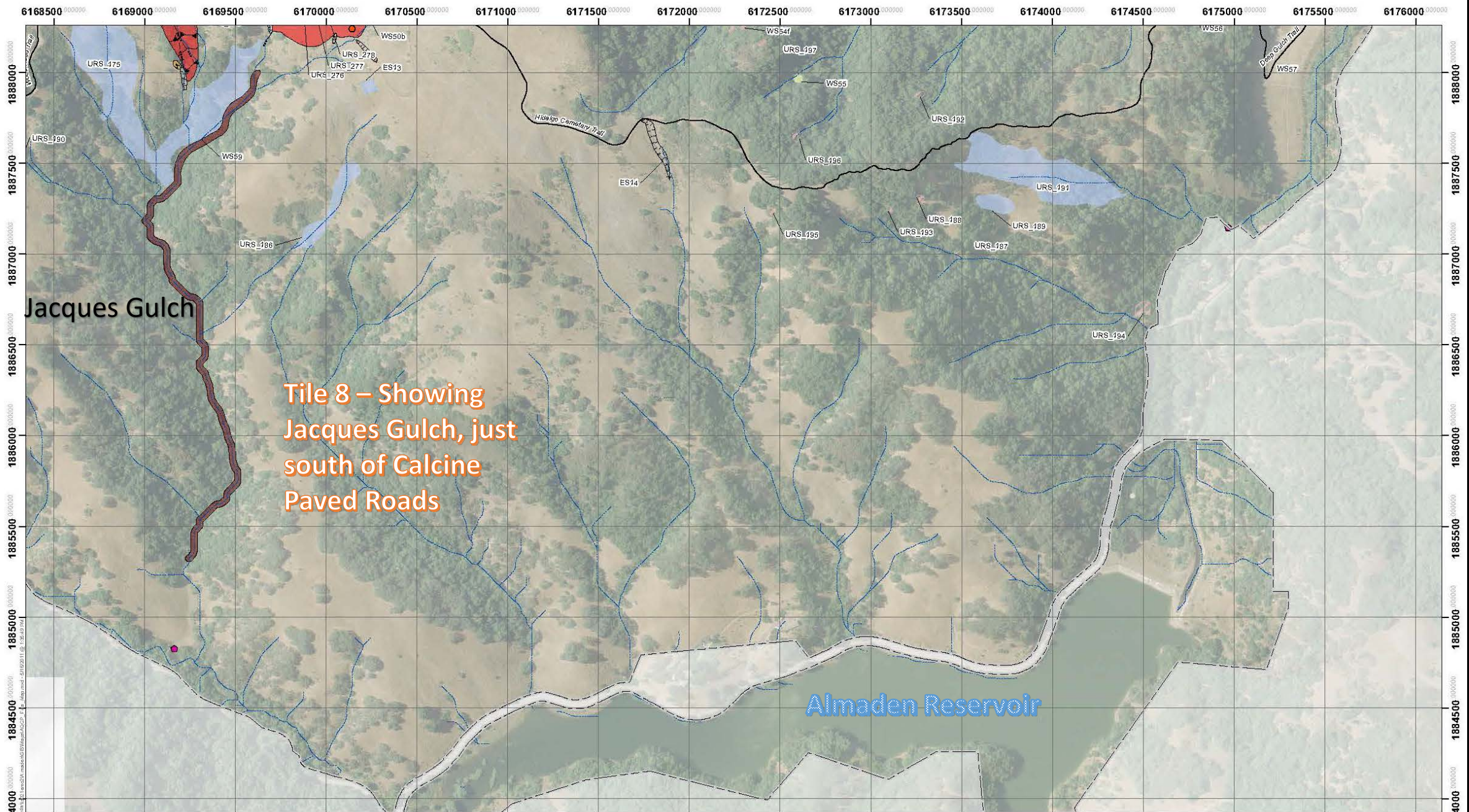
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Imagery source: DigitalGlobe ImageConnect Service, 2/12/2010
Base map source: Santa Clara Valley Water District LIDAR

Almaden Quicksilver County Park & Santa Teresa County Park
Mine Material Evaluation

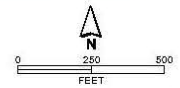
Figure 1 - Tile 7

Feature mapping,
Almaden Quicksilver County Park



Tile 8 – Showing
Jacques Gulch, just
south of Calcine
Paved Roads

<ul style="list-style-type: none"> Almaden/Quicksilver boundary Trail/Service road Eroslional rill Landslide mass/Evacuated scarp boundary Stream 	<ul style="list-style-type: none"> Calcine Calcine pavement Overburden soil Rock Soil Unknown 	<ul style="list-style-type: none"> Fill/Slope Landslide (arrows show direction of movement) Open cut-slope Seep Waste derived surficial slope debris 	<ul style="list-style-type: none"> Eroslional scar Open cut-slope Slope 	<ul style="list-style-type: none"> Erosion location (Exponent, 2007) THg concentration data (Dames & Moore, 1989)
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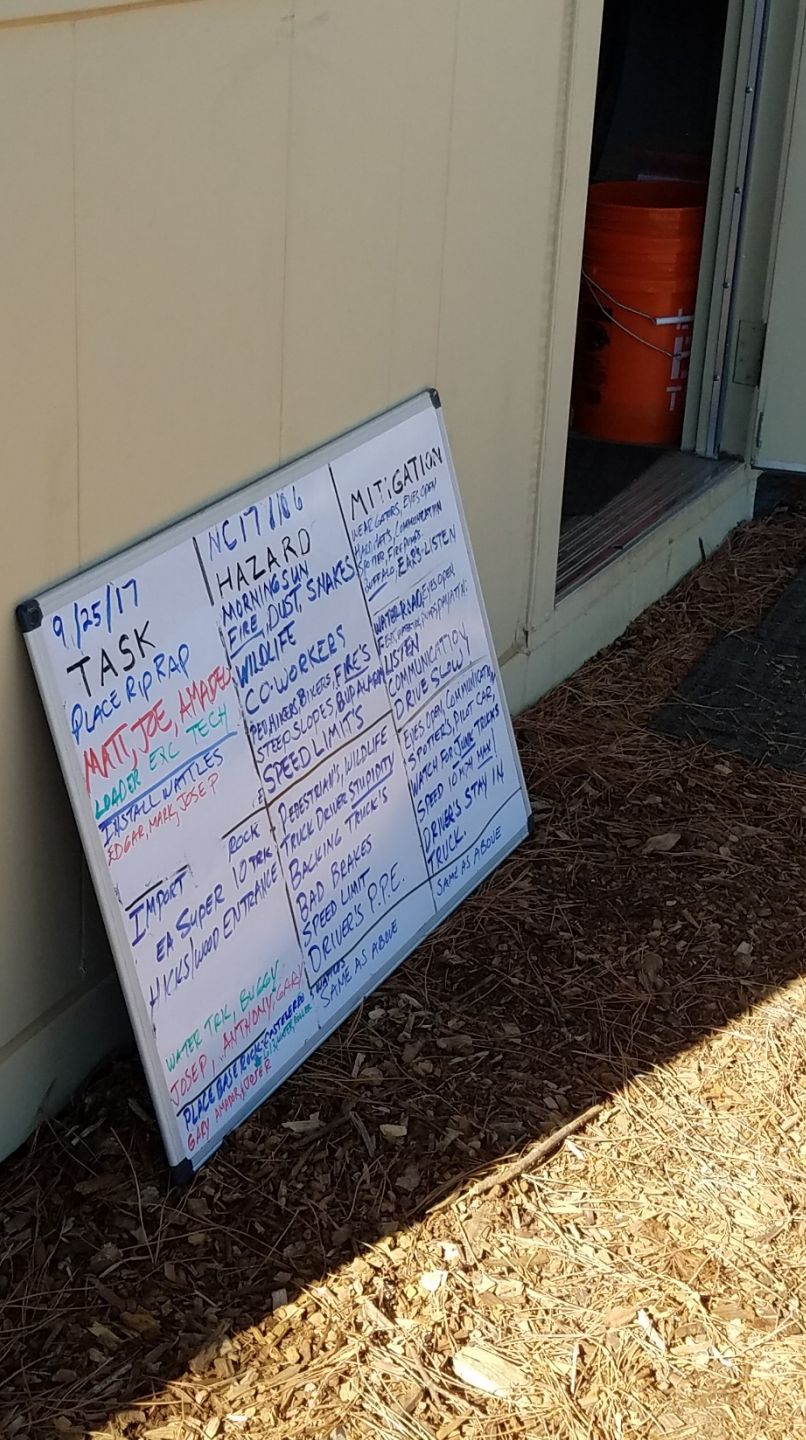
Imagery source: DigitalGlobe ImageConnect Service, 2/12/2010
Base map source: Santa Clara Valley Water District LIDAR

Almaden Quicksilver County Park & Santa Teresa County Park
Mine Material Evaluation

Figure 1 - Tile 8
Feature mapping,
Almaden Quicksilver County Park

Calcine Paved Roads Site Visit Photos





Site visit including Waterboard permit & TMDL staff, SFEP, Parks staff, and Roux consultant team.



Waterboard and Roux consultants examine a culvert drainage upgrade on Castillero Trail. All calcines have been removed at the time of this photo.



Closer photos of the same culvert drainage upgrade on Castillero Trail. All calcines have been removed at the time of this photo.



New corrugated culvert pipe installed on Yellow kid Trail with outfall erosion protection.

These photos show several culvert upgrades and armoring to prevent erosion of trails and banks.



Jacques Gulch Site Visit Photos



These photos are taken as the team progressed up the reach. This site visit was attended by SFEP, TMDL Waterboard staff, and Parks staff. These two photos show the fully remediated lower Jacques Gulch as the group proceeds to the project site.



Erosional features and increased tree coverage as we progressed into the reach. The photo to the left is facing downstream.





The photo to the left shows the team progressing towards the project site. You will notice that the slopes are quickly getting steeper and are dotted with mature trees, stabilizing the slope toes. The Photo above is a historical damn that would need to be removed to gain access to the project site.

The photo below shows the slopes on either side of the reach, directly before the project site. The photo to the right shows the beginning of the project site, the most downstream portion. This portion of the reach did not show significant numbers of calcines.





These last 3 photos were taken by Roux during one of their site visits. These images characterize the slopes of the reach (left) and the number of established trees imbedded in the slope, preventing erosion.



This photo, also by Roux, is taken at the top of the slope descending into Jacques Gulch. These steep slopes and large trees articulate well the challenges in accessing the site for remediation.