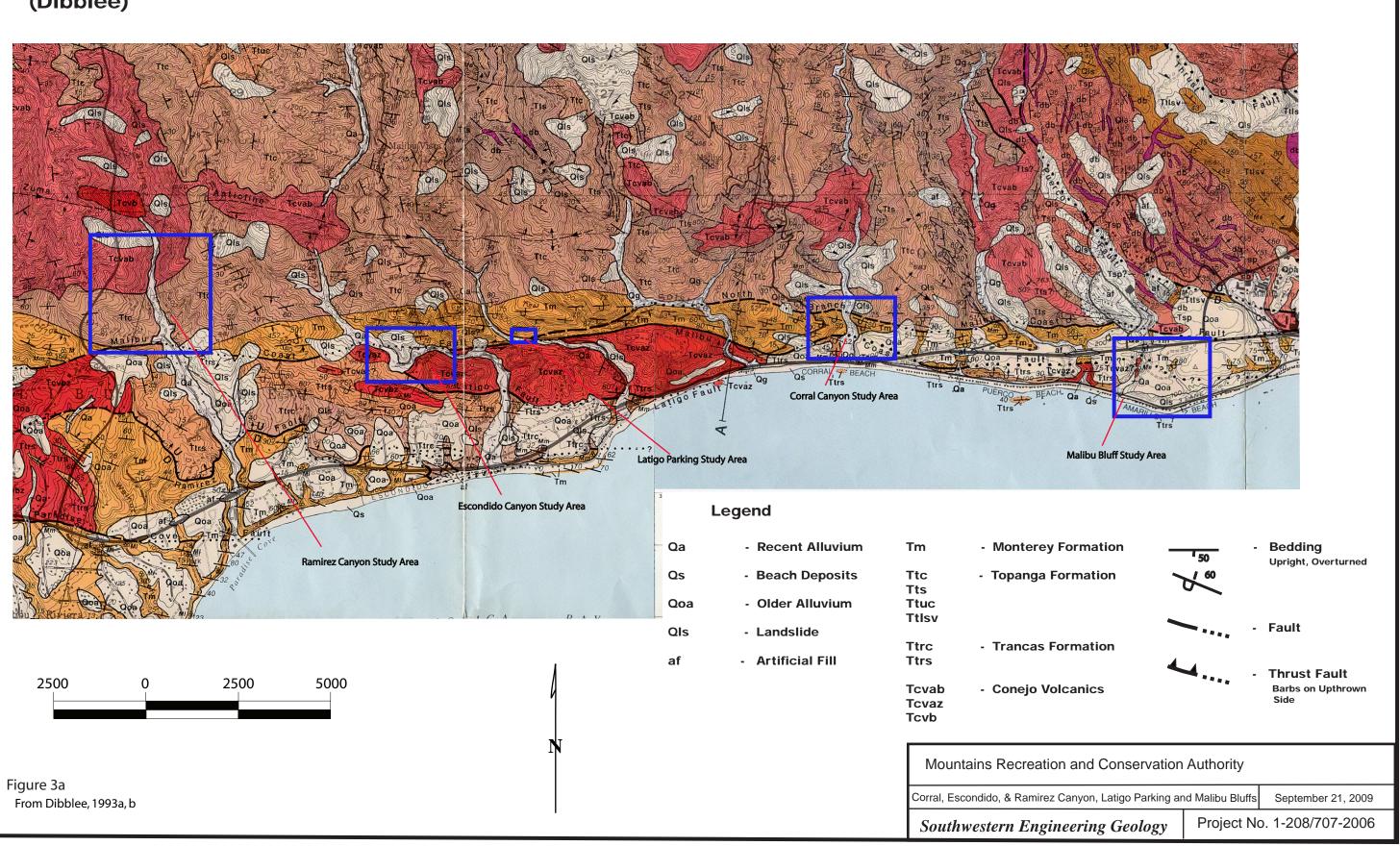
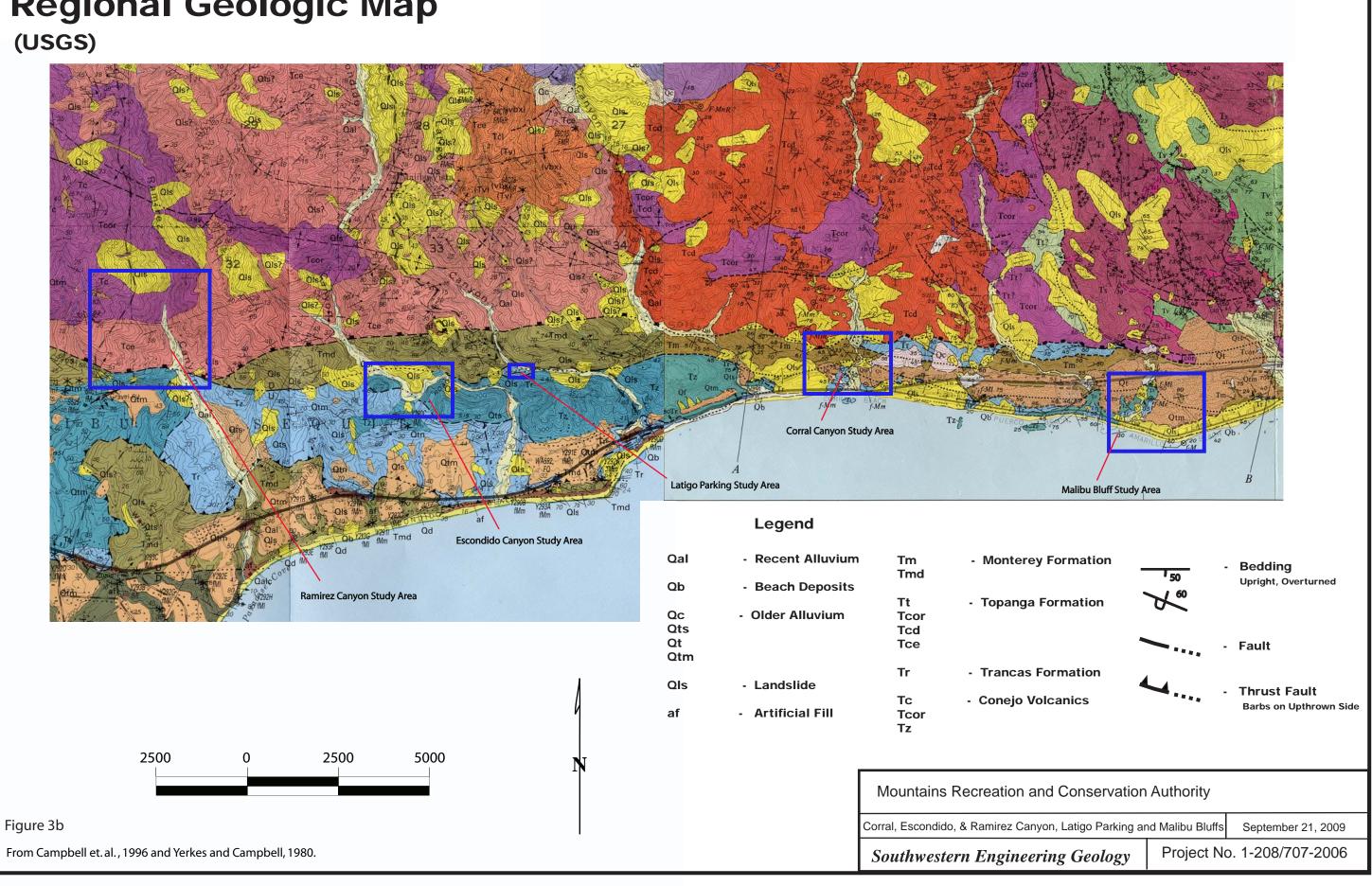
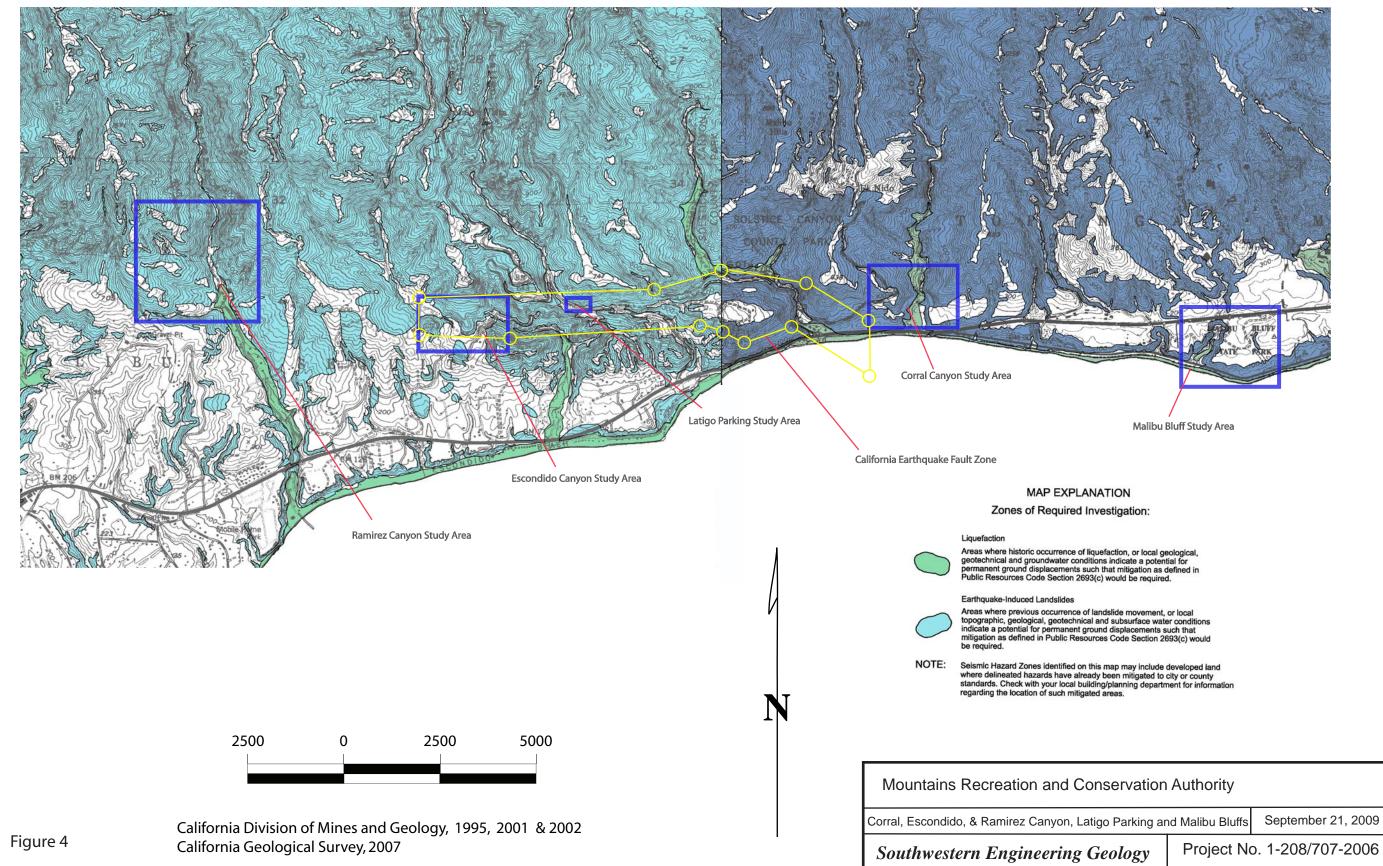
Regional Geologic Map (Dibblee)



Regional Geologic Map (USGS)

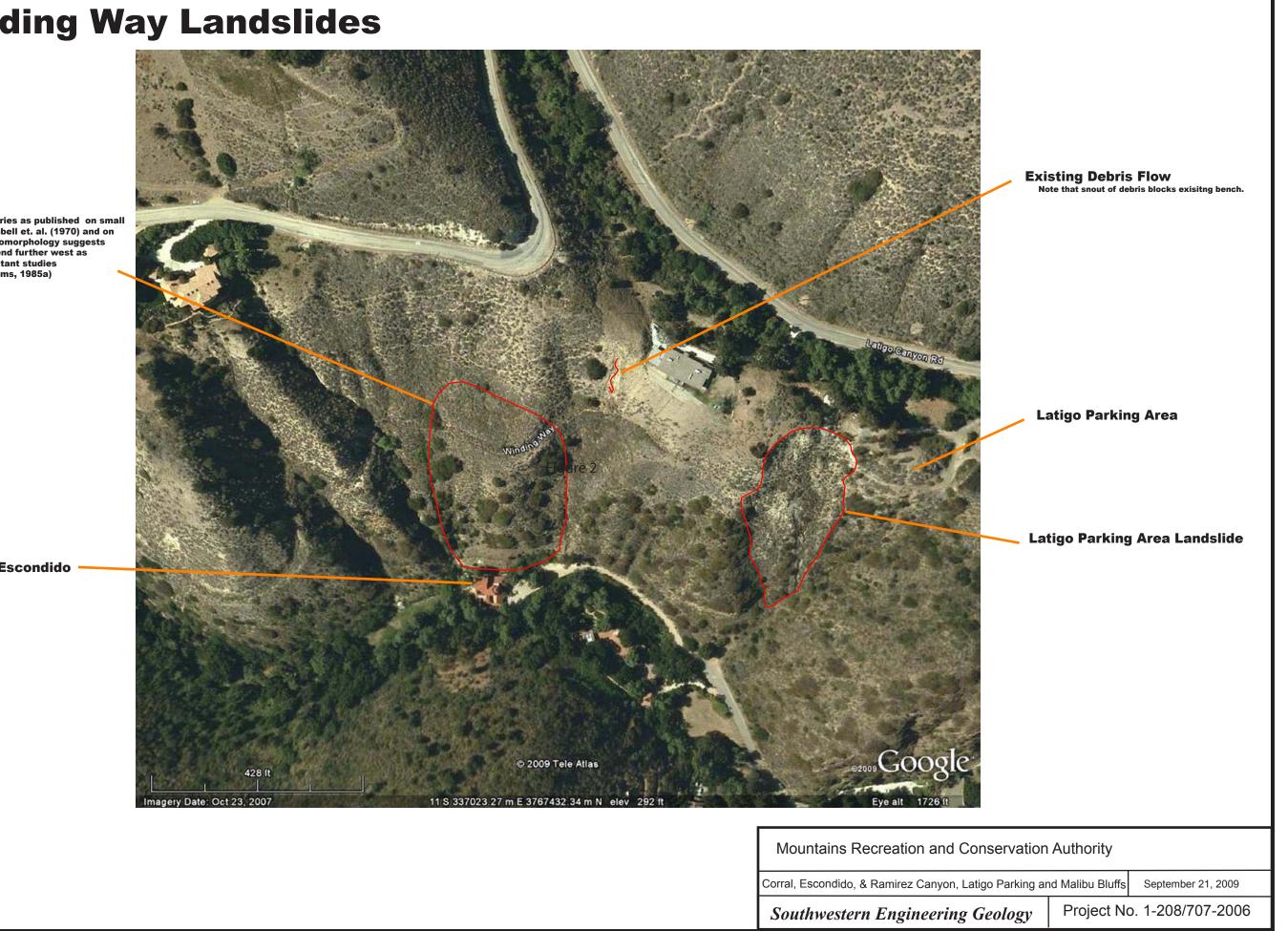


California Seismic Hazard Zones and Earthquake Fault Zone



September 21, 2009

Winding Way Landslides



Landslide

Approximate boundaries as published on small scale maps by Campbell et. al. (1970) and on Dibblee (1993b). Geomorphology suggests boundaries that extend further west as recognized in consultant studies (California GeoSystems, 1985a)

6100 Via Escondido



Photo 1 - Water line, retaining wall and road fill at proposed trailhead parking area at Pacific Coast Highway at Corral Canyon.

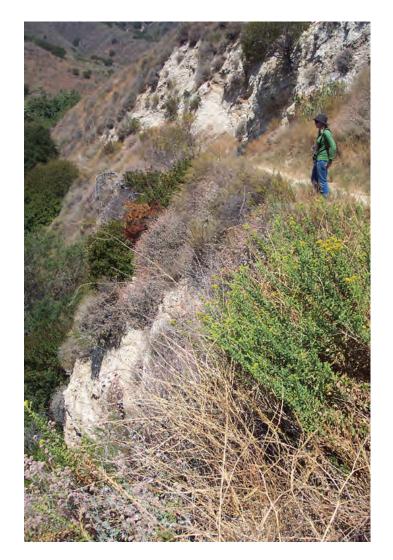


Photo 2 - Existing trail along steep slope at Location 3, Corral Canyon.

Mountains Recreation and Conservation Authority			
Malibu Park Sites - Photos 1 & 2		September 21, 2009	
Southwestern Engineering Geology	Project No. 1-208/707-2006		

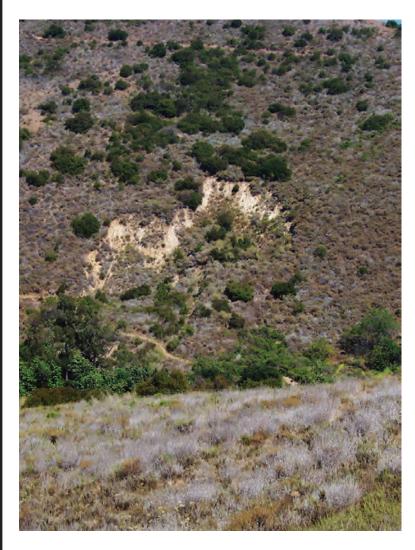


Photo 3 - Recently active landslide just north of Camp Area 2.



Photo 4 - Vicinity of proposed 15,000 sf parking area near trailhead at Escondido Canyon. Constructing parking area may require substantial grading. Road cracks suggests fill settlement and possible downhill creep. The road and descending slope were resurfaced prior to September, 2009.

Mountains Recreation and Conservation Authority		
Malibu Park Sites - Photos 3 & 4		September, 21, 2009
Southwestern Engineering Geology	Project No. 1-208/707-2006	





Photo 6 - Erosion due to concentrated drainage across existing maintenance road at Escondido Canyon between trailhead and ADA Camp Area.

Photo 5 - Closer view of cracking along Winding Way. The outer five to ten feet of the roadway are affected. Road was resurfaced prior to our site reconnaissance in September 2009.

Mountains Recreation and Conservation Authority			
Malibu Park Sites - Photos 5 & 6		September 21, 2009	
Southwestern Engineering Geology	Project No. 1-208/707-2006		





Photo 8 - Inlet to pipe that carries flow along Escondido Creek below crossing for access road. Note fill contains debris including old tracks from heavy equipment.

Photo 7 - Outfall of pipe that carries flow along Escondido Creek below crossing for access road. Surrounding fill is eroded to a steep angle to vertical.

Mountains Recreation and Conservation Authority			
Malibu Park Sites - Photos 7 & 8		September 21, 2009	
Southwestern Engineering Geology	Project No. 1-208/707-2006		



Photo 9- View looking north along rock retaining wall on east bank of Ramirez Canyon Creek at proposed bridge crossing. Wall is about 7 feet high, and is located about five feet above the streambed.



Photo 10 - View looking south along rock retaining wall on east bank of Ramirez Canyon Creek at proposed bridge crossing. Creek encroaches within about five feet of the wall.

Mountains Recreation and Conservation Authority

Malibu Park Sites - Photos 9 & 10

September 21, 2009

Southwestern Engineering Geology



Photo 11 - Slope repair upslope of the "Barwood" under repair in 2006.

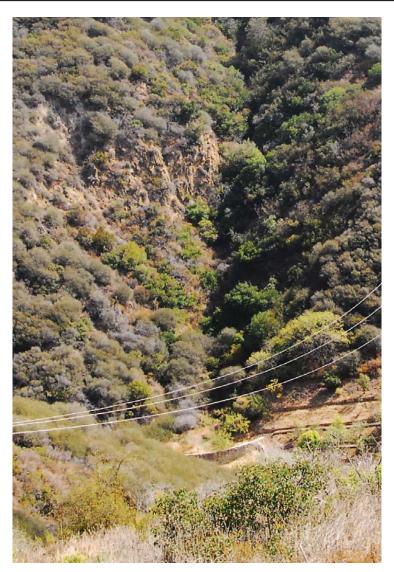


Photo 12 - Steep, rocky outcrop above camp area proposed at Note 8 on Plate 3B. A potential for large topples and rockfall from this outcrop preclude camp areas at the bottom of the canyon (above the wall) or in the meadow north of the adjacent protective ridge.

Mountains Recreation and Conservation Authority			
Malibu Park Sites - Photos 11 & 12		September, 21, 2009	
Southwestern Engineering Geology	Project No. 1-208/707-2006		



Photo 13- View looking south along upper section of Delaplane Road. Slopes ascend and descend from the edge of the existing pavement at a gradient of about 2:1.



Photo 14 - View looking east across landslide south of proposed parking area, showing headscarp and displacement of existing trail.

Mountains Recreation and Conservation Authority

Malibu Park Sites - Photos 13 & 14

September 21, 2009

Southwestern Engineering Geology



Photo 15 - Erosion encroaching into existing trail along blufftop.



Photo 16 - Existing garden surrounded by railroad ties at grade of Malibu Road where small parking area is proposed. Slosson and Moran identified foreground of photo as ancient landslide.

Mountains Recreation and Conservation Authority

Malibu Park Sites - Photos 15 & 16

September 21, 2009

Southwestern Engineering Geology

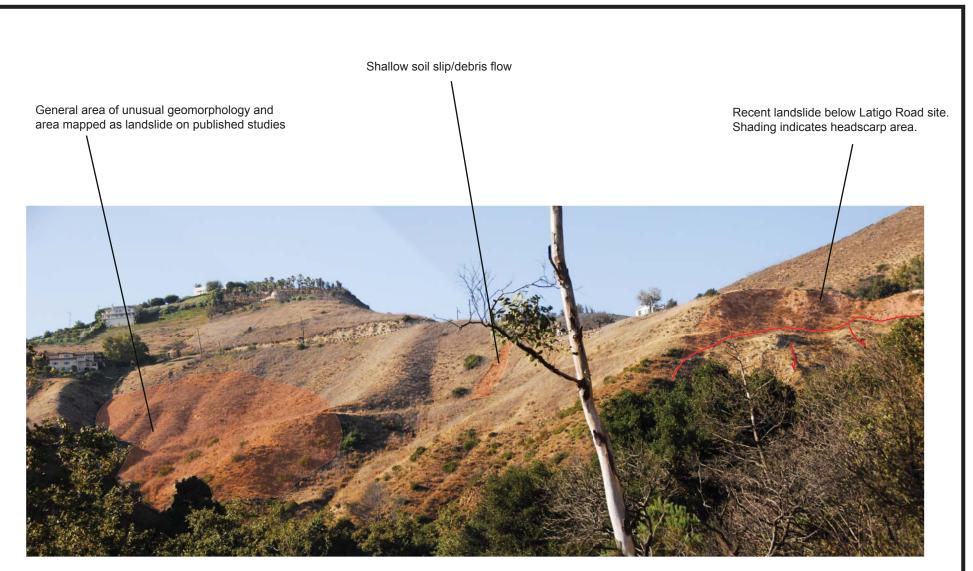


Photo 17 - Areas of slope instability west of the parking area proposed along Latigo Canyon Road. Recent landslide below Latigo site is at right side of photo, a shallow soil slip/debris flow near the photo center, and a general area where a landslide is indicated on published studies in the left third of the photo.

Mountains Recreation and Conservation Authority

Malibu Park Sites - Photo 17

September, 21, 2009

Southwestern Engineering Geology