



Notes:
 1) Coordinate system same as state plane coordinate system but has different datum.
 2) Altitudes in areas of fill were taken by A. Loomis prior to or during site construction. Terrace deposits mapped by Woodring and Bramlette, (1950, plate 1).
 3) Altitudes taken within facility boundary by WCC may not be exposed at present because of earth moving operations.

Explanation

QUATERNARY	af	Artificial Fill Material Approximate Located	L-92.1	Strike and dip of bedrock fracture, containing significant clay	Approximate limits of landslide, arrows show inferred direction of movement of material Contact, approximately located Diagrammatic strike and dip of closely spaced jointing (from Loomis, 1982) Seep General location of trench on Metals Landfill Unit (see Figure 5.3-9 for log) Approximate axis of syncline (modified from: Woodring, W.P., and Bramlette, M.N., 1950) Approximate axis of anticline, arrow indicates direction of plunge (modified from: Woodring, W.P., and Bramlette, M.N., 1950)
	Qal	Alluvium and/or Colluvium Gravel, sand, silt, clay	L-29.1	Strike of vertical bedrock fracture, containing significant clay	
PLEISTOCENE	Qls1	Landslide Qls1 landslide debris (Loomis, June 1981)	L-29.2	Strike and dip of shear zone containing significant clay or crushed rock	
	Qls2	Qls2 landslide debris (WCC, 1986)	L-38	Strike and dip of fault, with minor displacement of bedding	
	Qls3	Qls3 landslide debris (WCC, 1986)	L-39	Strike and dip of fault, with minor displacement of bedding	
TERTIARY	Tsts	Terrace Deposits Fluvial deposits of silt, clay, sand, gravel and boulders	L-40	Strike and dip of bedding (from Loomis, 1980, 1982; Canonic Environmental, 1986; WCC, 1986)	
	Tts1	Todos Santos Claystone Member Somewhat porolaneous claystone, thin zones of porcelaneous shale.	L-41	Strike and dip of joints (WCC)	
	SISQUOC FM		L-42	Strike and dip of joints (from Loomis, 1980, 1982; Canonic Environmental, 1986; WCC, 1988)	
	MIOCENE TO PLIOCENE		L-43	Strike of vertical joints (WCC)	
			L-44	Strike of vertical joints (from Loomis, 1980, 1982; Canonic Environmental, 1986; WCC, 1988)	

This map was compiled from photography dated 04/06/87 and supplemented with mapping from photography dated 06/02/82. Pacific Western

Reference:
 Figure 5-1-1, Site Geologic Map
 HSCER (WCC, 1988)

Figure 4-9
Site Geologic Map
 Final Remedial Investigation Report
 Casamalia Resources Superfund Site
 January 2011