



EXPLANATION

See text for a description of chronostratigraphic units and discussion of contaminant distribution. Interpreted lithologies, geophysical log curves, well construction and chronostratigraphic unit boundaries for boreholes on this section are provided in appendix A

CHRONOSTRATIGRAPHIC UNITS

- Dominguez (Holocene)
- Mesa (late Pleistocene)
- Pacific A (late Pleistocene)
- Pacific (late Pleistocene)
- Harbor (middle Pleistocene)
- Bent Spring (middle Pleistocene)
- Upper Wilmington (middle Pleistocene)
- Lower Wilmington (early to middle Pleistocene)
- Long Beach A (early Pleistocene)
- Long Beach B (early Pleistocene)
- Long Beach BC (early Pleistocene)
- Long Beach C (Pliocene?)
- "Repetto" (Pliocene)

Generalized Borehole Lithology

- gravelly sediment
- medium to coarse sand
- very fine to medium sand
- silty sand to sandy silt
- silt/clay
- not described

Geophysical Logs

- Resistivity—short aperture. Range from 1 to 100 ohm-m, log scale
- Natural gamma—range from 1 to 150 GAPI, log scale
- Spontaneous potential—range from -150 to 150 mv, linear scale

CONTAMINANT SYMBOLOGY

PCE and TCE Concentration
symbol size reflects sum of PCE and TCE concentration from recent analyses (Table 4)

- >50 µg/l
- 5-50 µg/l
- <5 µg/l

Contaminant Composition
color reflects presence of recent and historic detections of PCE, TCE, 1-4 Dioxane, Freon 111, and Freon 13 (Table 4)

- all 5 are detected
- 4 are detected
- 3 are detected
- PCE and TCE detected
- TCE detected

Mann-Kendall Trend Analysis—(from EPA, 2012)

- increasing trend (2006-2011)
- decreasing trend (2006-2011)

BOREHOLE SYMBOLOGY

1628M Borehole Name

Well Construction

- Perforated Interval

Borehole Paths

- Projected <20 meters onto section
Located at rear of section
- Located on or in front of section
- Projected from 20 to 50 meters onto section
Located at rear of section
- Located on or in front of section

Chronostratigraphy, Borehole Data and Contaminant Distribution Along a Cross Section through the Santa Fe Springs-Whittier-Norwalk Area, Los Angeles County, California

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