

Project: Livermore

620-41

Elevation: _____

Date Drilled: June 4

Depth (m)	Description
0 - 10	<u>Clay-Silt-Sand-Gravels</u> - Rounded to angular gravels, & some larger boulders of graywacke, argillite, & serpentinite poorly consolidated in a clay, silt & sand matrix.
10 - 110	<u>Graywacke</u> - Med-gray, fine to med grained, fractured, 5-10% calcite fracture filling material. 20-60% of samples altered to dull brown, most intense along fractures. <10% argillite. (Considerable slumping from the upper portion makes detailed descriptions difficult). Argillite appears to increase in certain intervals 20-40% (?) L.C. from surface to ~110', mostly in upper 20' but appears to take some fluid down to 110'.
110 - 170	<u>Graywacke</u> - As above but not as fractured, no L.C. qtz & calcite fracture filling material increases to 20% in some samples, 5-10% FeO ₂ staining along fractures.
170 - 190	<u>Graywacke</u> - As above, fractured, taking fluids, 5-20% fracture filling material as above.
190 - 320	<u>Graywacke</u> - Med-gray, med-grained (slightly lighter in color & larger grain-size than above) argillite 10-40%. 5-15% fracture filling material, mostly white qtz, minor FeO ₂ staining along some fractures. 10-15% chlorite alteration.