LITHOLOGIC LOG

Project:	Livermore
rroject.	DI VCI MOLC

Elevation:

620-47

Date Drilled: 7/19/79

Depth (m)	Description
0- 2	Weathered Tuff and Clay - Dark brown to light gray, grading into soft, fractured lithic crystal-tuff.
2- 60	Crystal-Lithic Tuff - Mottled light gray, orange and light brown with \$\circ\$5% subhedral crystals of clear quartz, 5-10% feldspars altered to white kaolinite (?) and traces of hornblende, biotite and magnetite. Matrix of soft tuffaceous material. Tuff pervasively fractured and commonly iron stained (Fe203) along fractures.
60-120	Crystal-Lithic Tuff - As above but color change to predominately light gray, variable increase in quartz 5-30%, tuff becoming slightly better indurated with depth. Angular frags of chert or chalcedony 0-30%.
120-130	Vitrophyre - Black, partly devitirified. Base of tuffaceous unit. Comprises ~50% of sample. Remainder of sample is tuff as in previous interval.
130-180	Crystal-Lithic Tuff - Light gray with 10-20% clear subhedral quartz. 5-15% of clear to white k-spar. Minor biotite, trace of magnetite. Light purple angular frags of chert or chalcedony 0-10%.
180- 320' 98 m	Serpentinite - Light green to dark green and black mottled. Highly sheared, serpentinized and soft. Less serpentinized and harder between 209-212, and 230-245.
98 m	