

Lithologic Log
Livermore Project Area
Napa County, California

620-10 Bear Valley
NW 1/4 8, T9N, R6W

Feet

0-22 Light gray to brownish gray weathered shale, water at 22' ~1gpm
22-82 Light gray to brownish tuffaceous siltstone
82-88 Same, more sandy matrix
88-95 Light gray tuffaceous siltstone
95-135 Medium gray volcanic sandstone, weathered crystals and rock fragments.
135-165 Light gray tuffaceous siltstone water 140-150' ~60gpm
165-185 Light to medium gray volcanic S.S. with weathered XLs & Rk-frags.,
apparently from intermediate volcanics.
185-205 Dark gray claystone/shale
205-215 Same, with veinlets of quartz and fractured
215-245 Lithic, vitric tuff. Glass shard & Rk. Frags.
245-255 Same, but more XLS & Rk. frags.
255-275 Medium gray XL-rich rhyolite
275-285 Light gray XL-bearing tuff
285-295 Medium gray lithic tuff
295-335 Medium gray lithic tuff
335-365 Red oxidized shale
365-475 Same but dark gray
475-515 Same but reddish clay along numerous small fractures.
515-545 Dark gray to greenish tuffs, mod. XLS
545-625 Light to medium gray tuffaceous siltstones, zones of greenish clays
625-695 Dark gray to greenish partly recrystallized siltstone. Minor
calcite, minor XLS of plag. & hornblende
695-735 Medium dark gray lithic tuff, altered
735-905 Same without lith fragments
905-915 Light to medium gray claystone/siltstone with reddish oxidized zones
915-1010 Dark gray, soft siltstone/claystone
1010-1800 Medium gray competent claystone
1800-2000 Same as above but less crystals and slightly darker