

SAMPLE DESCRIPTIONS
Vermejo Park Ranch No. 3-1

0-10'	topsoil-brown
10-20'	weathered sandstone brown, fine to medium-grained, sub-rounded, slightly spherical, moderately sorted, non-calcareous.
20-40'	gray siltstone, soft, non-calcareous.
40-60'	gray to lt. gray sandstone, fine to very fine grained, sub-rounded to rounded, spherical, moderately sorted, non-calcareous, mica is a minor constituent, fair porosity, moderately hard, friable when wet.
60-80'	gray to lt. gray sandstone, fine grained to very fine grained, sub-rounded to sub-angular, sl. calcareous, mica is a minor constituent, poor porosity, moderately hard to hard; with black to dk, gray shale, brittle.
80-100'	dk. gray siltstone to very fine grained sandstone, non-calcareous mica is a minor constituent, poor porosity, brittle.
100-120'	dk. gray siltstone, non-calcareous with mica; and black shale, fissile, soft.
120-140'	Black shale, soft, fissile; and dk. gray siltstone with mica, non-calcareous; and lt. gray to white, med. and coarse grained sandstone with dk. gray siltstone inclusions, calcareous, angular to sub-angular, poorly to moderately sorted; moderately hard to hard, some friable, poor to fair porosity.
140-160'	same as above sandstone, siltstone, and shale.
160-180'	black shale, brittle; lt. gray to lt. green, fine to medium grained sandstone, angular to sub-angular, poorly sorted, with occasional mica, moderately hard, non-calcareous; and some dk. gray and white medium grained sandstone, angular to sub-angular poorly sorted, with occasional mica, non-calcareous, with some black carbonaceous stringers.
180-200'	white to lt. gray, medium grained sandstone, angular to sub-angular, poorly sorted, with occasional mica and pyrite, moderately hard to friable, very sl. calcareous; and dk. gray to gray brown, medium grained sandstone, angular to sub-angular, poorly sorted, with occasional mica, non-calcareous, hard.
200-220'	white to lt. gray, fine to medium grained sandstone, angular to sub-angular, poorly sorted, with occasional mica, very calcareous, moderately hard to friable; and gray to dk. gray fine to medium grained sandstone, angular to sub-angular, poorly sorted, with occasional mica and black carbonaceous stringers (coal, gilsonite?), non-calcareous, moderately hard; minor amount of black shale, very brittle.