

Hillsboro 1124-10

Depth (ft)	Description
0 - 30'	Poorly sorted coluvium consisting of volcanic rock fragments. Color and texture of rock fragments suggest derivation from the same volcanic agglomerate unit penetrated by this hole.
30 - 493' TD	<p>Volcanic agglomerate. Pale-red to pale-reddish-purple. 50 to 75 percent volcanic rock fragments in a fine-grained to aphaenitic groundmass. Lithic fragments are of heterogeneous volcanic compositions, but most are porphyritic to aphanitic.</p> <p>There is little evidence of hot emplacement. Formation is interpreted to be a series of volcanic mudflows. Silicification is evident in some fragments. Induration ranges from moderately to very indurated. Nearby outcrops of this formation are extremely well indurated.</p> <p>Some aplitic fragments occur in the 10- to 80-foot interval. These do not occur within the matrix of the agglomerate, and are interpreted to represent a thin aplite vein.</p> <p>Extent of weathering decreases towards the bottom of the hole. Alteration to clays appears to be relatively more developed between 290 and 310 feet. The freshest and most angular chips occur at the bottom of the hole, from 450 to 500 feet.</p>