

Hillsboro 1124-7

Depth (ft)

Description

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0 - 500' TD Santa Fe Group alluvium. Silt, sand, and gravel. Clasts are predominantly intrusive and extrusive fragments. Various felsic compositions predominant. Basalt fragments are present, but minor. Textural variations from predominantly sand to predominantly gravel. Intervals at 30 to 90 feet and 470 to 500 feet are mostly sand-size material. Gravel predominates in all other samples.

Intact gravel clasts exhibiting weathered surfaces are mostly angular to subangular. Minor content of well-rounded gravel. Depositional environment is interpreted as alluvial fan, but may also contain thin fluvial-channel deposits.

Very-fine-grained metallic mineralization, probably pyrite, is present in many samples, but appears to be associated exclusively with basalt fragments. This mineralization is interpreted to have occurred within the basalt formation and not within the Santa Fe Group alluvium.

Samples from this hole are similar to hole 1124-9, but exhibit a greater heterogeneity of clast lithology.