

Hillsboro 1124-9

Depth (ft)

Description

---

0 - 500' TD Santa Fe Group alluvium. Silt, sand, and gravel. Gravel-size material comprises approximately 75 percent of samples above 370 feet. Below 370 feet, samples are approximately half sand-size material and half gravel-size material. Sand fraction is composed of lithic fragments, feldspar grains, and quartz grains. Gravel fraction appears to be derived from one igneous source rock.

Lithic fragments are moderate-reddish-brown to dark-reddish-brown, pale-red-purple, and medium gray. Fragments exhibit moderate weathering but preserve some textural features. Most fragments are porphyritic, but a few are aphanitic. Altered feldspars are the most common phenocryst.

These sediments were probably derived from the Pollack Quartz Latite of Jicha (1954) and Hedlund (1977). Samples from this hole are similar to those from hole 1124-7, but exhibit less heterogeneity of lithology.

Depositional environment is interpreted to be alluvial fan.