The deposits are predominately fan gravels, with some siltstone, and some sandstone derived from Paleozoic and Mesozoic sedimentary rocks found locally.

Gravel: Subrounded to angular locally derived boulders, Qbu

Rhyolite of Kelly Canyon: Crystal-poor, flow-banded, mostly highly-fractured gray, brown, purple and pink tuffs up to 200 feet thick. Columar jointing and massive flows are common. Red cinder and volcanic breccia layers are intercalated. Antelope Valley. Age: ~4.0 Ma (Anders et al., 1989)

Undifferentiated Paleozoic and Mesozoic sedimentary rocks, Qg

Overlying Qg or Qbac. Includes older undifferentiated rocks. As much as 80 feet thick. Age: 2.059 ± 0.004 Ma (Lanphere et al., 2002).

Plagioclase. As much as 80% of olivine and basalt. Contains three to four and/or rosette (Qbah). Pillows and unstratified basalt flows are up to 20 feet thick.

Cylindrical Lavas: 111°36'0"W


TiO2 (wt%)

K2O

Ba

Cu

Pb

Sc

La

Zr

U

40 45 50 55 60 65 70 75 80

9.06 3.48 6.53 6.67 7.11 7.00

0.20 0.13 0.21 0.20 0.23 0.23

48.29 57.77 47.77 47.90 44.88 44.82

43.48673 43.44961 43.48673 43.59074 43.52014 43.60559

References


www.idwr.ido.gov/watermanagement/wellinformation/drillerreports


Glenn F. Embree of Brigham Young University-Idaho. Its content and composition data are presented for review.