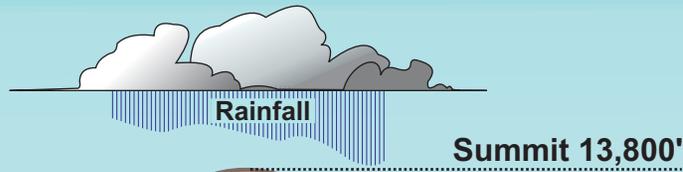


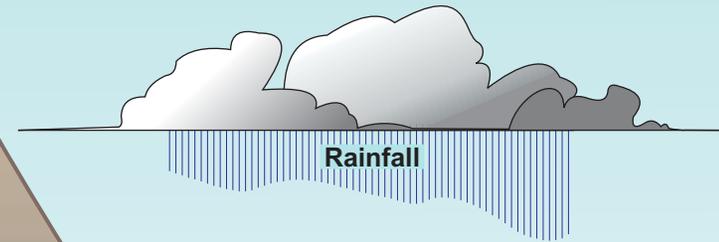
Mauna Kea Groundwater Schematic

Drawing Not To Scale

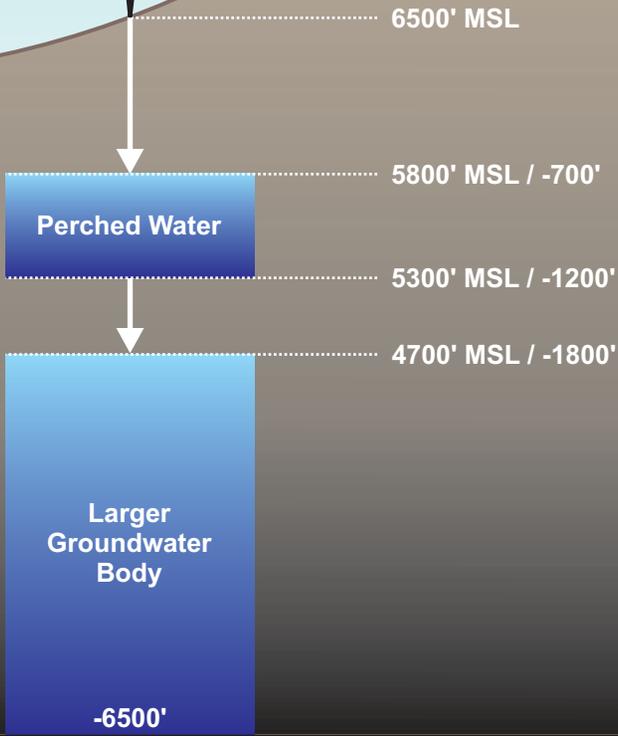
South Flank of Mauna Kea



Seeps Provide Water to PTA

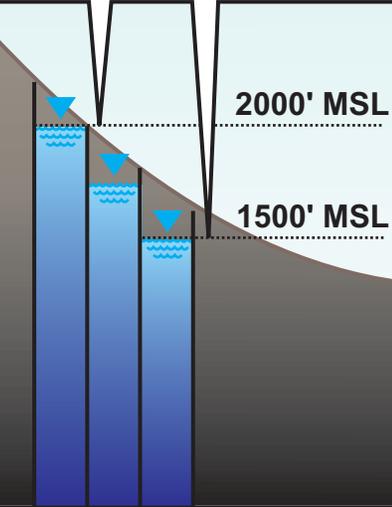


Pōhakuloa Exploratory Well



Groundwater Levels
Beneath Summit
Almost Certainly Higher
Than 4700' Above Sea Level

Wells drilled into the North, East,
and West on Flanks of Mauna Kea have hit
high-level groundwater standing between
1500 and 2000 feet above sea level.



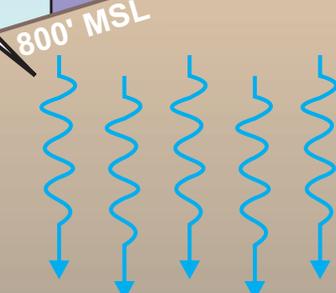
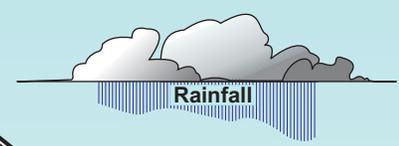
**Department of
Water Supply's
Kahalu'u Shaft
Well 3557-05 in
North Kona**

Drawing Not To Scale

**Kahalu'u Residences
Upgradient of the
Kahalu'u Shaft**

**Irrigation Return, Cesspool and Leach
Field Discharges, and Rainwater Percolate
Through Dry Lava Flows Into the
Basal Lens Tapped by the Kahalu'u Shaft**

**DWS' Kahalu'u Shaft at 590' MSL
(Pumped Water Meets All Drinking
Water Requirements)**



Basal Lens

Saline Groundwater