Kunia Mauka Deep Monitor Well, Oahu (3-2503-003)

Fluctuations in the Water Table, Top of Transition Zone (TTZ), and Midpoint of Transition Zone (MPTZ)
From December of 2004 through August 2022

- From December 2004 through August 2022, the Water Table declined .90 foot to 16.16 feet above msl
- From December 2004 through August 2022, the TTZ rose 31.96 feet to 419.48 feet below msl
- From December 2004 through August 2022, the MPTZ rose 49.33 feet to 637.96 feet below msl

Notes: (1) TTZ = 1,000 µS/cm (~ 220 mg/L Cl¯); MPTZ = 25,000 µS/cm (~ 8,500 mg/L Cl¯) (2) Fresh Water < 220 mg/L Cl¯, Brackish Water 220 mg/L Cl¯ to 19,399 mg/L Cl¯, Sea Water >= 19,400 mg/L Cl¯; (3) OS 421/425 = Ocean Sensors CTD (absolute conductivity); (4) RBR 12895 = RBR Global CTD (Specific Conductivity); (5) msl = mean sea level.

* Since the year 2004, the MPTZ has risen 49 feet to an elevation of 637.96 feet below msl, where it is near a calculated Ghyben-Herzberg equilibrium elevation of 646.4 feet below msl, relative to the Water Table measured at 16.16 feet above msl.

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