Kunia Middle Deep Monitor Well, Oahu (3-2403-002)

Fluctuations in the Water Table, Top of Transition Zone (TTZ), and Midpoint of Transition Zone (MPTZ)

October 2002 through August 2022

From October 2002 to August 2022 the Water Table rose 0.29 feet to 15.39 feet above msl

From October 2002 to August 2022 the TTZ rose 74.95 feet to 281.92 feet below msl

From October 2002 to August 2022 the MPTZ rose 31.4 feet to 603.77 feet below msl

Note: Sea Water interface not measured (CTD profile data indicates that the interface is below the bottom of the well at 705 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 2002, the MPTZ has risen 31.4 feet to an elevation of 603.77 feet msl, where it is higher than the calculated Ghyben-Herzberg elevation of 615 feet below msl, relative to the Water Table measured at 15.39 feet above msl.