Waipio Mauka Deep Monitor Well, Oahu (3-2659-001)

Fluctuations in the Water Table, Top of Transition Zone (TTZ), and Midpoint of Transition Zone (MPTZ)
March 1987 through August 2022

From March 1987 to August 2022, the Water Table rose 0.25 feet to 19.78 feet above msl

From March 1987 to August 2022, the TTZ rose 96.5 feet to 604.5 feet below msl

From March 1987 to August 2022, the MPTZ rose 119.57 feet to 849.43 feet below msl

Sea Water (19,400 mg/L Cl⁻, 50,000 µS/cm) interface lies below the total depth of well (-1,377 ft 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 1987, the MPTZ has risen 119.57 feet, to below a calculated Ghyben-Herzberg equilibrium elevation of approximately 791.2 feet below msl, relative to the Water Table measured at 19.78 feet above msl.