Iao Deep Monitor Well, Maui (6-5230-002)

Fluctuations in the Water Table, Top of Transition Zone (TTZ), and Midpoint of Transition Zone (MPTZ) From May 2006 through August 2022

From May 2006 through August 2022, the Water Table declines 0.93 feet to an elevation of 13.00 feet msl

From May 2006 through August 2022, the TTZ rose 48.99 feet to an elevation of 581.29 feet below msl

From May 2006 through August 2022, the MPTZ rose 84.52 feet to an elevation of 880.88 feet below msl

Fresh Water

Brackish Water

Sea Water was not encountered - estimated to be below the total depth (TD) of the well (-1,113 feet 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 2006, the MPTZ rose 84.52 feet, below a calculated Ghyben-Herzberg equilibrium elevation of approximately 520 feet below msl, relative to the Water Table measured at 13.00 feet above msl.