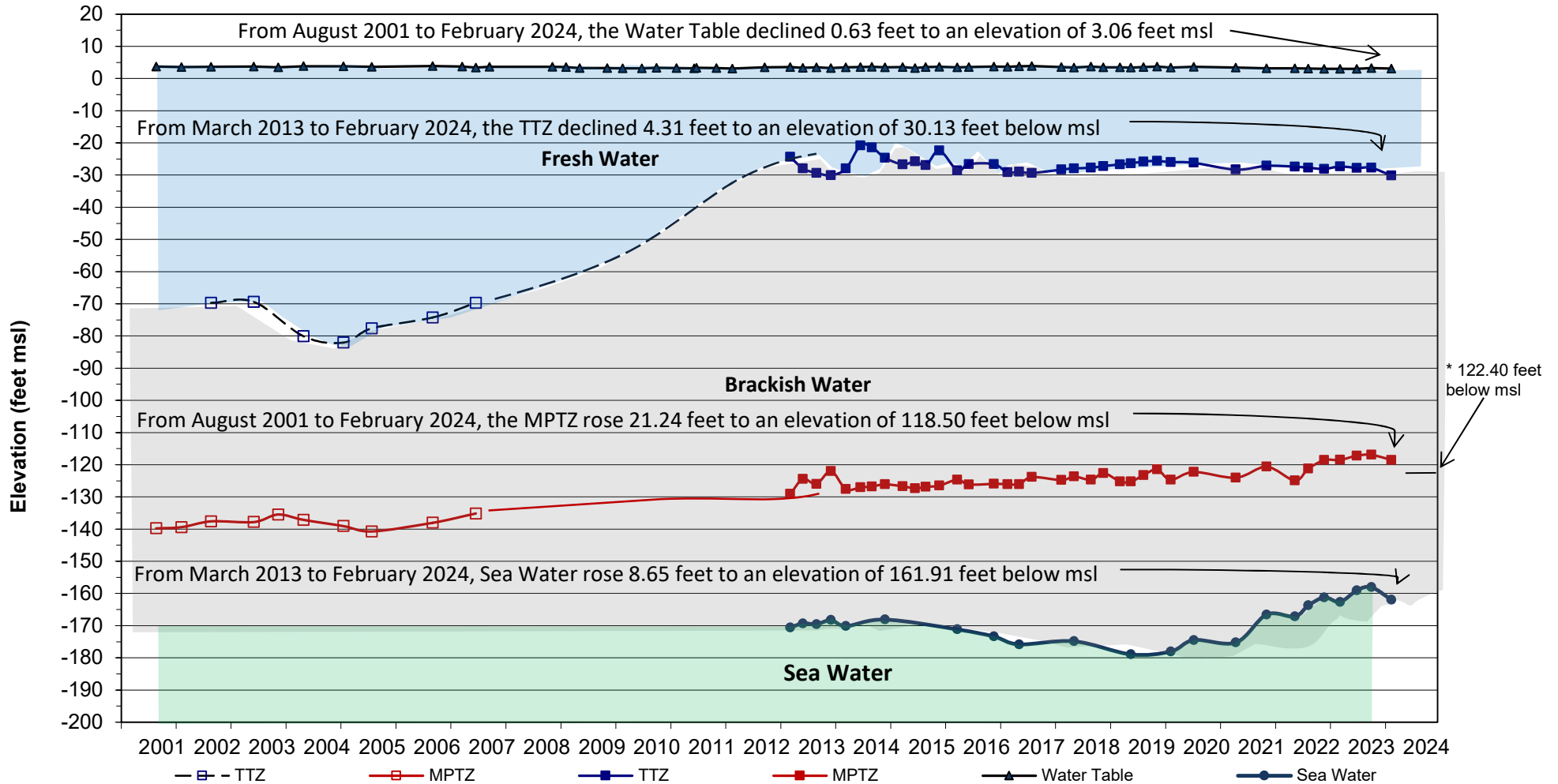


Mahinahina Deep Monitor Well, Maui (6-5739-003)

Fluctuations in the Water Table, Top of Transition Zone (TTZ), and Midpoint of Transition Zone (MPTZ) from August 2001 through February 2024



Notes: (1) TTZ = 1,000 $\mu\text{S}/\text{cm}$ ($\sim 220 \text{ mg/L Cl}^-$); MPTZ = 25,000 $\mu\text{S}/\text{cm}$ ($\sim 8,500 \text{ mg/L Cl}^-$) (2) Fresh Water < 220 mg/L Cl^- , Brackish Water 220 mg/L Cl^- to 19,399 mg/L Cl^- , Sea Water $\geq 19,400 \text{ mg/L Cl}^-$; (3) OS 421/425 = Ocean Sensors CTD (absolute conductivity); (4) RBR 12895 = RBR Global CTD (Specific Conductivity); (5) msl = mean sea level. Conditions inside the well prevented successful CTD deployment from 2006 through 2012, CTD profiling of this well was resumed 3-13-2013. CTD used prior to 2007 had a suspected calibration issue, therefore TTZ values from 2002 to 2006 are suspect, and are shown for comparative purposes.

* Since the year 2001, the MPTZ rose 20 feet, to an elevation of 116.9 feet below msl, where it is above a calculated Ghyben-Herzberg equilibrium elevation of 129.6 feet below msl, relative to the Water Table, measured at 3.24 feet above msl.