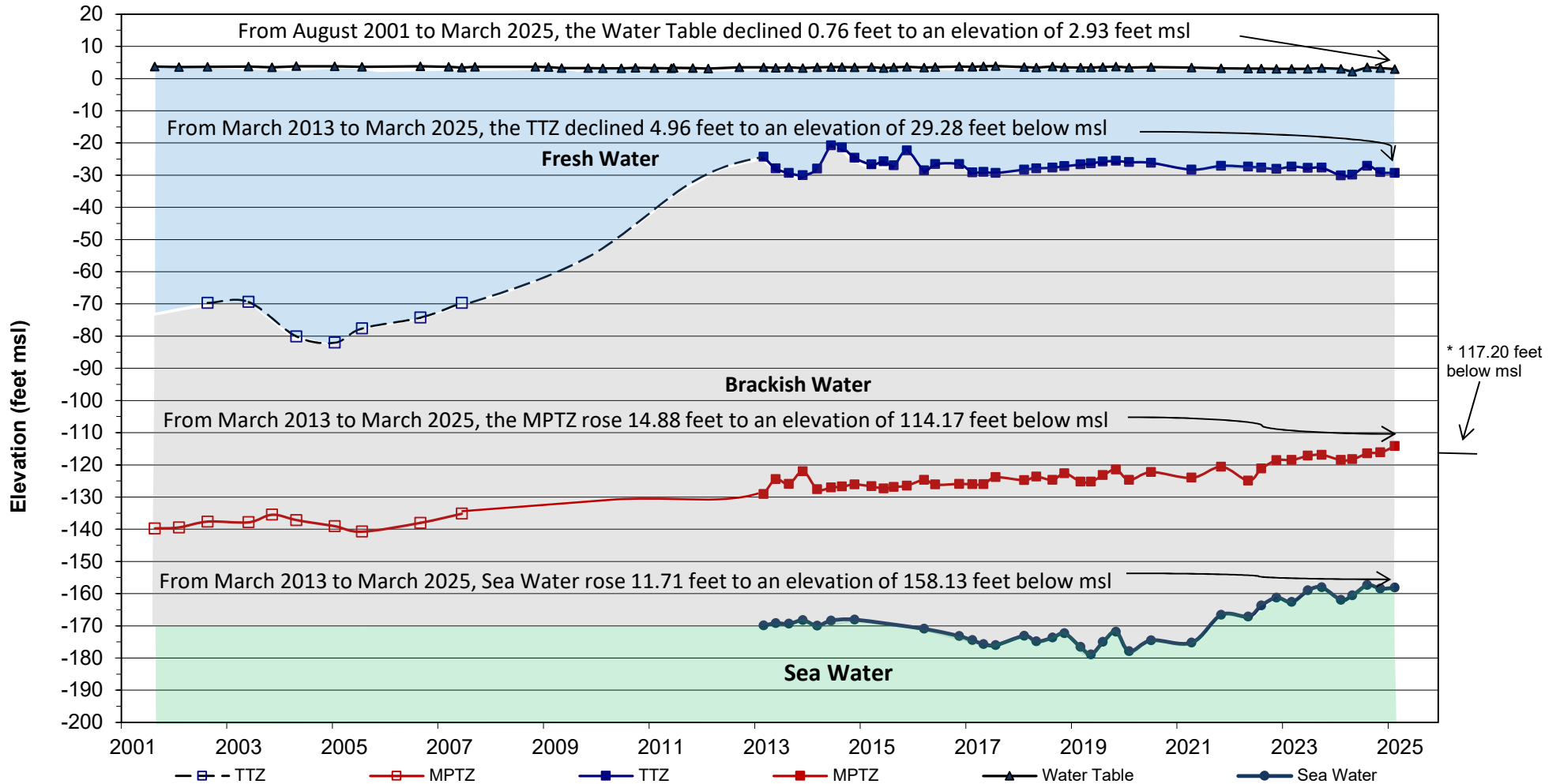


## Mahinahina Deep Monitor Well, Maui (6-5739-003)

### Fluctuations in the Water Table, Top of Transition Zone (TTZ), and Midpoint of Transition Zone (MPTZ) from August 2001 through March 2025



**Notes:** : (1) TTZ = 1,000  $\mu\text{S}/\text{cm}$  (~ 220  $\text{mg}/\text{L Cl}^-$ ); MPTZ = 25,000  $\mu\text{S}/\text{cm}$  (~ 8,500  $\text{mg}/\text{L Cl}^-$ ) (2) Fresh Water < 220  $\text{mg}/\text{L Cl}^-$ , Brackish Water 220  $\text{mg}/\text{L Cl}^-$  to 19,399  $\text{mg}/\text{L Cl}^-$ , Sea Water  $\geq$  19,400  $\text{mg}/\text{L Cl}^-$ ; (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 2013, the MPTZ rose 14.88 feet, to an elevation of 114.17 feet below msl, where it is above a calculated Ghyben-Herzberg equilibrium elevation of 117.20 feet below msl, relative to the Water Table, measured at 2.93 feet above msl.