Fluctuations in the Water Table, Top of Transition Zone (TTZ), and Midpoint of Transition Zone (MPTZ) From August 2000 through May 2022

From August 2000 to May 2022 the Water Table rose 3.38 feet to 19.43 feet above msl

From August 2000 to May 2022 the TTZ declined 30.64 feet to an elevation of 98.07 feet below msl

From August 2000 to May 2022 the MPTZ rose 77.89 feet to an elevation of 850.82 feet below msl

From August 2000 to May 2022 Sea Water rose an estimated 22.03 feet to an elevation of 100.65 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 18,999 mg/L Cl⁻, Sea Water >= 19,000 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 2000, the MPTZ has risen 77.89 feet, rising toward a calculated Ghyben-Herzberg equilibrium elevation of approximately 777 feet below msl (relative to the Water Table, measured at 19.43 feet above msl). Note the relatively thick mixing zone, resulting from upward borehole flow of an influx of brackish water.