

PROJECT: SALT WELLS

1. DESCRIPTION: Groundwater Sampling: Monitoring Wells Without Plumbing
2. PURPOSE/GOALS: To monitor the approximate conditions of the Biscayne Surficial Aquifer.
3. HISTORICAL UPDATE:
4. USE OF DATA: The data is provided to the Natural Resource Planning and Management Division of EPGMD, Broward County.
5. RELEVANCE: The goal of this project is to monitor the levels of chloride intrusion of the Biscayne Surficial Aquifer
6. EFFECTIVENESS: The collected samples and data generated by this project will meet FDEP groundwater sampling requirements.
7. SAMPLE SITES: Salt Well G-2040 (Front of Einsteins Bagels in the median strip, Hollywood); Salt Well G-2447 (NE corner of NE 6 th Street and NE 3 rd Avenue, Pompano Beach); Salt Well G-2277 (West corner of NE 12 th Avenue and NE 25 th Court, Pompano Beach); Salt Well G-2892 (Parking lot on the corner of SE 9 th Terrace and SE 1 st Court, Deerfield Beach) SAMPLING CONSIDERATIONS: Sampling may be adversely affected by inclement weather such as rain. PARAMETERS: Water Table Depth, Temperature, pH, Conductivity, and Dissolved Oxygen in water (in-situ), Turbidity in water (in-situ), Chloride in water.
8. FREQUENCY/DURATION/SCHEDULE: Sampling will be conducted at sites G-2040, G-2277 and G-2892 quarterly. Sampling at site G-2040 will be conducted annually.
9. DELIVERABLES: Field Sheets, Chain of Custody and Final Laboratory Reports.
10. SPECIAL EQUIPMENT/SUPPLIES CONSIDERATIONS: YSI-600xi, Electric submersible pumps (4-one for each site), tygon tubing, Portable turbidity meter, Depth to water sensor. YSI holder/continuous flow sampling apparatus, Timer
11. UNIQUE QA/QC REQUIREMENTS: None
12. FUNDING/REVENUE: Broward County General Fund