

**SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
RFB #1818 - LAKE WALES WELLSITE PHASE 1 – HYDROGEOLOGICAL INVESTIGATION
OF THE LOWER FLORIDAN AQUIFER IN POLK COUNTY, FLORIDA**

**FIGURE 3
CROOKED LAKE LITHOLOGIC LOG**

Lithologic Log
P280 SWFWMD Crooked Lake Exploratory Corehole

Depth (ft. BLS)		Color	Soil/Rock Type
From	To		
0	5	Dark brown	Fine sand with silt (SP-SM)
5	10	Brown	Clayey fine sand (SC)
10	15	Brown	Fine sand with silt (SM)
20	25	Light brown	Clayey sand (SC)
30	55	White-tan	Fine sand with silt (SM)
55	75	Gray	Fine-medium sand with silt (SP-SM)
75	80	Gray	Silt (ML)
80	95	Dark gray	Lean clay with sand (CL)
95	100	Dark gray	Clayey sand (SC)
100	130	Tan-gray	Clay with sand, limestone, phosphate and shell (CL)
130	140	Light gray	Limestone
140	170	Tan-gray	Clay with sand, limestone, phosphate and shell (CL)
170	190	White	Fat clay (CH)
190	210	Tan-gray	Clay with sand, limestone, phosphate and shell (CL)
210	220	Light gray	Fat clay (CH)
220	250	Gray-dark gray	Lean clay with sand (CL)
250	270	Tan	Limestone
270	490	Cream	Limestone
490	510	Tan	Limestone
510	680	Tan-cream	Limestone
680	800	Brown	Dolostone
800	810	Black-brown	Dolostone
810	890	Brown	Dolostone
890	900	Brown	Dolosilt
900	910	Tan	Dolosilt
910	920	Brown	Dolostone
920	930	Tan	Dolostone
930	940	Tan	Dolosilt
940	960	Tan-brown	Dolostone
960	1200	Light brown	Dolostone
1200	1230	Light brown	Dolomitic limestone
1230	1250	Light brown	Dolomitic limestone & dolostone
1250	1450	Light brown	Dolomitic limestone
1450	1460	Light brown-brown	Dolomitic limestone & dolostone

Lithologic Log
P280 SWFWMD Crooked Lake Exploratory Corehole

Depth (ft. BLS)		Color	Soil/Rock Type
From	To		
1460	1520	Light brown-brown	Dolostone
1520	1530	Brown-gray	Dolostone, dolomitic limestone
1530	1550	Light brown-brown-gray	Dolomitic limestone
1550	1570	Light brown-brown	Dolostone
1570	1580	Light brown-brown	Dolomitic limestone
1580	1590	Brown	Dolostone
1590	1620	Brown-gray	Dolostone
1620	1650	Light brown-brown	Dolostone
1650	1660	Brown-gray	Dolostone
1660	1710	Light brown-gray	Dolostone
1710	1730	Light brown-brown	Dolostone
1730	1740	Light brown-brown-gray	Dolostone
1740	1820	Light brown-brown	Dolostone
1820	1830	Light brown-brown-gray	Dolostone
1830	1880	Light brown-brown	Dolostone
1880	1890	Light brown-tan	Dolostone 1880-1888.75 and limestone 1888.75-1890
1890	1930	Light brown-tan	Limestone
1930	1940	Light brown-tan	Limestone, dolostone
1940	1950	Light brown-tan	Limestone
1950	1990	Tan-light gray	Limestone
1990	2000	Brown-tan-light gray	Limestone
2000	2010	Brown-tan- gray	Limestone, dolostone
2010	2020	Tan-light gray	Limestone
2020	2030	Tan-light gray	Limestone, dolostone
2030	2040	Tan-light gray	Limestone, dolostone
2040	2050	Tan-light gray	Limestone
2050	2060	Tan-light brown-gray	Limestone, dolostone, dolomitic limestone
2060	2070	Tan-light brown-gray	Limestone, dolostone
2070	2080	Tan-light brown-gray	Limestone, dolomitic limestone
2080	2150	Tan-light brown	Limestone
2150	2160	Tan-light brown	Limestone, dolomitic limestone
2160	2240	Tan-light brown	Limestone
2240	2250	Gray-tan-light brown	Limestone

Lithologic Log
P280 SWFWMD Crooked Lake Exploratory Corehole

Depth (ft. BLS)		Color	Soil/Rock Type
From	To		
2250	2260	Tan-light brown	Limestone, dolomitic limestone
2260	2270	Tan-light brown	Limestone, dolomitic limestone, dolostone
2270	2280	Tan-light brown	Limestone, dolostone
2280	2290	Tan-light brown-gray	Dolomitic limestone, dolostone
2290	2300	Tan-light brown-brown	Limestone, dolomitic limestone, dolostone
2300	2340	Tan-light brown- brown	Limestone, dolomitic limestone, dolostone
2340	2350	Grey- brown	Dolostone
2350	2360	Light to dark gray- brown	Dolostone
2360	2370	Light to dark gray- brown	Dolostone
2370	2410	Brown to gray	Dolostone
2410	2420	Light brown to gray	Interbedded dolostone and dolomitic limestone
2420	2430	Light brown to light to dark gray	Dolostone
2430	2440	Light brown	Dolostone
2440	2470	Light brown to gray	Dolostone
2470	2500	Light brown to gray	Dolostone, dolomitic limestone
2500	2540	Light brown to gray	Dolomitic limestone
2540	2560	Light brown to gray	Dolomitic limestone, dolostone
2560	2570	Light brown to gray	Dolomitic limestone
2570	2580	Light to dark brown to gray	Dolomitic limestone
2580	2590	Light to dark brown	Dolomitic limestone
2590	2600	Light to dark brown	Dolostone, limestone
2600	2610	Light brown to gray	Limestone, dolomitic limestone
2610	2620	Light brown to gray	Limestone, dolostone
2620	2630	Light brown to gray	Dolostone
2630	2640	Tan to light brown	Dolomitic limestone
2640	2650	Tan to light gray to brown	Dolomitic limestone
2650	2660	Tan to light brown	Dolomitic limestone
2660	2690	Light brown-gray-white- opaque	Dolomitic limestone, anhydrite
2690	2770	Light brown-gray-white	Finely crystalline dolomitic anhydrite
2770	2780	Light brown-gray-white	Finely crystalline dolomitic anhydrite and dolomitic limestone
2780	2800	Light-dark gray to yellow-brown	Dolomitic limestone, gypsum

Lithologic Log
P280 SWFWMD Crooked Lake Exploratory Corehole

Depth (ft. BLS)		Color	Soil/Rock Type
From	To		
2800	2810	Light-dark gray to yellow-brown	Dolomitic limestone, finely crystalline dolomitic anhydrite
2810	2820	Light-dark gray to yellow-brown	Dolomitic limestone, finely crystalline dolomitic gypsum and anhydrite
2820	2830	Light-dark gray to light brown	Finely crystalline dolomitic anhydrite
2830	2840	Light-dark gray to light brown	Dolomitic limestone, finely crystalline dolomitic anhydrite
2840	2850	Light brown to light to dark gray	Finely crystalline dolomitic gypsum and anhydrite
2850	2860	Light orange brown, white, light brown to	Finely crystalline dolomitic gypsum and anhydrite, dolomitic limestone
2860	2870	Light to dark brown to gray	Dolomitic limestone 2860-2865, limestone 2865-2870
2870	2880	Light to dark gray to brown	Limestone
2880	2950	Light to dark gray to yellow- brown	Limestone
2950	2960	Light gray to gray to yellow-brown	Limestone, dolomitic limestone 2951-2955
2960	3000	Light gray to gray to yellow-brown	Limestone
3000	3040	Gray to yellow-brown	Limestone
3040	3060	Gray to yellow-brown to white	Limestone, interbedded dolomitic limestone and gypsum
3060	3070	Gray to yellow-brown	Limestone
3070	3080	Light-dark gray to yellow-orange-brown	Limestone, dolomitic limestone 3077.5-3080
3080	3090	Light-dark brown to gray to white	Interbedded dolomitic limestone and gypsum
3090	3100	Light-dark gray to yellow-brown	Dolomitic limestone
3100	3110	Light gray to yellow-brown	Dolomitic limestone
3110	3120	Light gray to yellow-brown	Dolomitic limestone, gypsum 3112.5-3114
3120	3130	Light-dark gray to yellow-brown	Dolomitic limestone
3130	3140	White-opaque to orange-brown to yellow	Gypsum, dolomitic limestone 3034-3035.25
3140	3200	White-opaque to gray to light brown to yellow	Interbedded gypsum and dolomitic limestone