

Lithologic Logs

LITHOLOGIC LOG

WELL: Broward County Northwest Monitoring Well NWMW-20D
TOTAL DEPTH: 135 Feet
COUNTY: Broward
LOCATION: T47S R41E S36
OWNER: Broward County
DRILLER: Mark Tiley/Morton Pump and Drilling, Inc.

HYDROGEOLOGIC UNITS

0 to 135 Surficial Aquifer

LITHOLOGIC FORMATION

0 to 3 Fill

3 to 5 Sandy Limestone - 80%; Light Brown
Grain Type - Micrite
Cementation - Moderately Well Cemented
Sand - 20%; Colorless; Quartz
Grain Size - Fine to Medium
Roundness - Subrounded to Rounded

5 to 17 Sandy Limestone - 55%; Very Pale Orange to Light Brown
Grain Type - Micrite
Cementation - Moderately Well Cemented
Shell - 35%; Very Pale Orange; Fragments
Sand - 10%; Colorless; Quartz
Grain Size - Fine to Medium
Roundness - Subrounded to Angular

17 to 27 Shell - 65%; Very Pale Orange to Moderate Orange Pink
Other Features - Medium to Small Fragments, Some Whole
Sandy Limestone - 25%; Very Pale Orange to Light Gray to Light Brown
Grain Type - Micrite
Cementation - Moderately Well Cemented
Sand - 10%; Colorless; Quartz
Grain Size - Fine to Medium
Roundness - Subrounded to Rounded

27 to 30 Sand - 100%; Colorless; Quartz
Grain Size - Fine to Coarse
Roundness - Subrounded to Angular

30 to 39 Shell - 40%; Very Pale Orange to Light Brownish Gray to Moderate Orange Pink; Fragments
Sand - 35%; Colorless; Quartz
Grain Size - Fine to Medium

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LITHOLOGIC FORMATION (Continued)

- 30 to 39
(Continued) Roundness - Subrounded to Rounded
Sandy Limestone - 25%; Very Pale Orange to Light Gray
Grain Type - Micrite and Sparitic
Cementation - Moderately Well Cemented
- 39 to 71 Sand - 100%; Colorless; Quartz
Grain Size - Very Coarse to Medium
Roundness - Subrounded to Angular
- 71 to 74 Sand - 65%; Colorless; Quartz
Grain Size - Fine to Medium
Roundness - Subrounded to Rounded
Clay - 30%; Olive Gray; Sandy; Semi-Pliable
Shell - 5%; Very Pale Orange to Moderate Light Gray; Fragments
- 74 to 94 Sandy Limestone - 70%; Very Pale Orange to Light Olive Gray
Grain Type - Micrite
Cementation - Moderately Well Cemented; Interbedded
Sand - 30%; Colorless; Quartz
Grain Size - Very Fine to Coarse
Roundness - Rounded to Subangular
- 94 to 123 Sandy Limestone - 100%; Very Light Gray to Medium Light Gray
Grain Type - Mostly Micrite, Occasionally Sparitic
Cementation - Moderately Well Cemented to Well Cemented;
Occasionally Dense to Dense
Trace - Calcite Crystals
- 123 to 127 Sandy Limestone - 75%; Very Light Gray to Medium Light Gray
Grain Type - Micrite
Cementation - Moderately Well Cemented
Shell - 25%; Very Pale Orange to Moderate Orange Pink; Fragments
- 127 to 135 Sandy Limestone - 40%; Very Pale Orange to Medium Light Gray
Grain Type - Micrite
Cementation - Moderately Well Cemented
Shell - 40%; Very Pale Orange to Pale Yellowish Orange
Other Features - Fragments
Sand - 20%; Colorless; Quarts
Grain Size - Fine to Coarse
Roundness - Subrounded to Rounded
- 135 to 137 Sandy Limestone - 40%; Very Pale Orange to Medium Light Gray
Grain Type - Micrite
Cementation - Moderately Well Cemented
Shell - 40%; Very Pale Orange to Pale Yellowish Orange; Fragments
Sand - 20%; Colorless; Quartz
Grain Size - Fine to Coarse
Roundness - Subrounded to Rounded