B
SOUTH

B 2
NORTH

DISTANCE BETWEEN WELLS, IN MILES

3.75 | 0.75 | 1.07 | 1.05 | 1.07 | 0.17

G-3789 | G-3788 | G-3784 | G-3783 | G-3782 | G-3778 | G-3671

Top of Miami Limestone

Southern Monitoring Well Cluster

Northern Monitoring Well Cluster

G-3784 Gamma-ray log (counts per second) 0 400

G-3778 Gamma-ray log (counts per second) 0 200

Sea level (NAVD 88)

level VD 88)

ALTITUDE, IN FEET

HU: BISCAYNE AQUIFER; SEMICONFINING UNIT; UPPER CLASTIC UNIT OF TAMIAMI FORMATION

FM: MIAMI LIMESTONE; FORT THOMPSON FORMATION

HFC: HFC5; HFC4; HFC3; HFC2

VLS: 3b; 3a; 2g; 2f; 2e; 2d; 2c; 2b; 2a

G-3787 G-3786 G-3785 G-3784 G-3781 G-3780 G-3779 G-3778

Cored SPT

Total log depth 68 feet below ground level

Total log depth 68 feet below ground level

Total log depth 69 feet below ground level

Total log depth 68 feet below ground level

Total log depth 108 feet below ground level. Well developed to 113 feet

Total log depth 109 feet below ground level. Well developed to 110 feet

Total driller's depth 150 feet below ground level

Calcrete in G-3671

Clast of calcretized pelecypod rudstone at this altitude in G-3671

EXPLANA TION

CARBONATE GROUND-WATER FLOW CLASSES OF THE BISCAYNE AQUIFER
- LEAKY, LOW-PERMEABILITY FLOW CLASS
- DIFFUSE-CARBONATE FLOW CLASS
- HORIZONTAL CONDUIT FLOW CLASS
- MIXED DIFFUSE-CARBONATE AND DIFFUSE-SILICICLASTIC FLOW CLASS

- SCREENED INTERVAL AND NUMBER
- LATENCE
- SANDY LIMESTONE
- CALCAREOUS SANDSTONE
- QUARTZ SAND
- MEASURED DEPTH OF CANAL SEDIMENT
- SHELLY QUARTZ SAND
- SANDY MOLLUSK SHELLS
- MOLLUSK SHELLS
- MICRITIC RICH
- CLAYEY
- VLS3a STROMATOLITE LAYER
- TOP OF SEDIMENT AT BOTTOM OF LEVEE 31N CANAL
- TOP OF BEDROCK AT BOTTOM LEVEE 31N CANAL– Dashed where uncertain
- VLS OR HFC BOUNDARY--Dashed where uncertain
- GAMMA-RAY MARKER
- GAMMA RAY
- NO RECOVERY

- ABRUPT CONTACT
- av AVEOLAR TEXTURE
- CHAROPHYTES
- LAMINATED CALCRETE
- CLAST OF LAMINATED CALCRETE
- FM FORMATION
- HFC HIGH-FREQUENCY CYCLE
- HU HYDROGEOLOGIC UNIT
- mc MASSIVE CALCRETE
- mw MUD/WACKESTONE
- PLANORBELLA
- ROOT-MOLD WITH CALCRETE LINING
- SEMIVERTICAL CRACKS
- SPT STANDARD PENETRATION TEST
- VLS VERTICAL LITHOFACIES SUCCESSION

VERTICAL SCALE GREATLY EXAGGERATED

Figure 4. Hydrogeologic section B-B 2 showing schematic relations of geologic formations, hydrologic units, lithology, and sequence stratigraphy in the surficial aquifer system along Levee 31N. Line of section B-B 2 is shown in figure 1. Top of section is the top of the Miami Limestone and ground level is not shown.