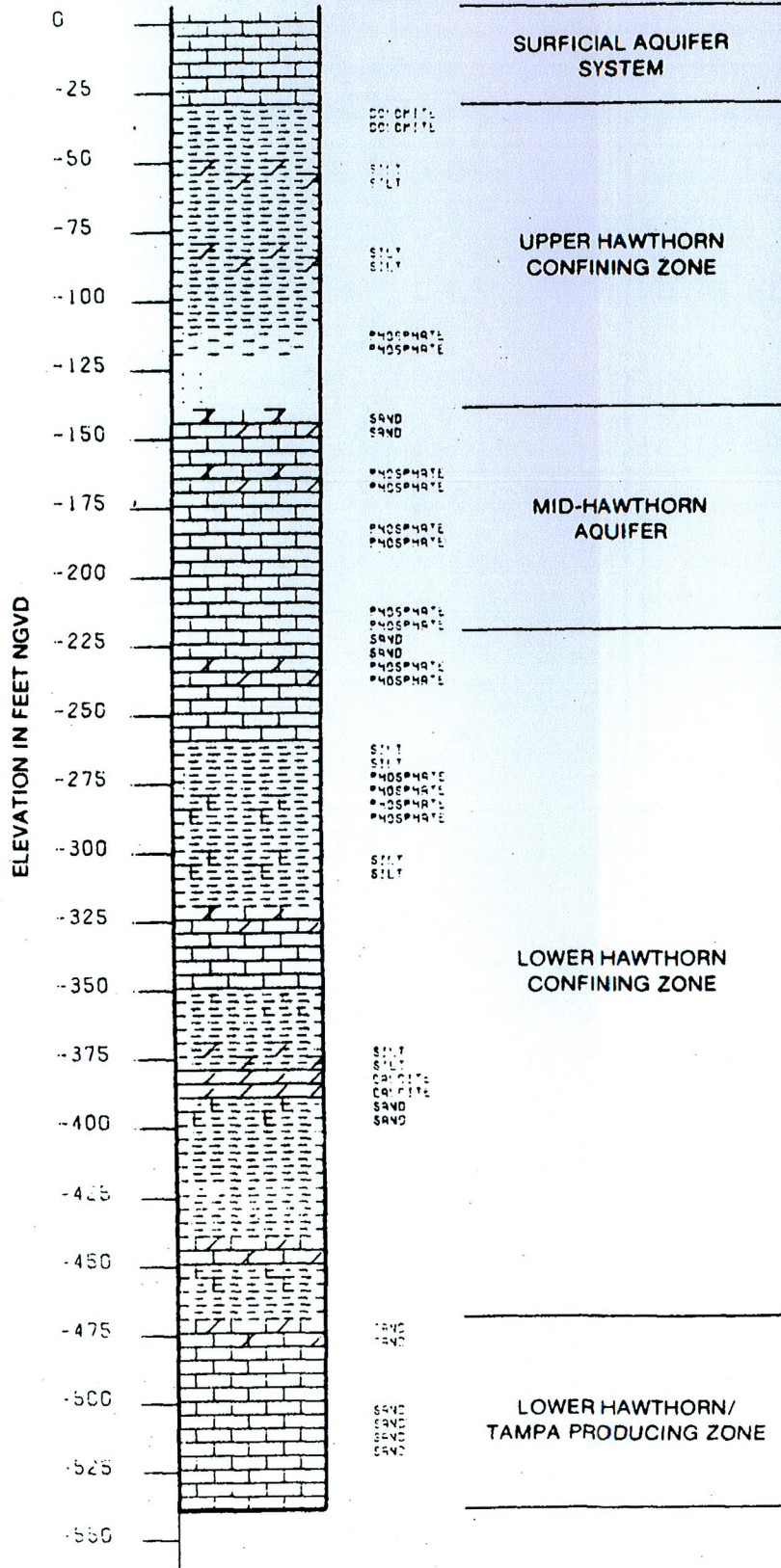


36-00088-W  
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W - 45

L-2529-G

from Tech Pub.  
84-10



SOUTH FLORIDA WMD - LITHO LOG PRINTOUT

045

LEE CO. T45S R24E SEC 078C 26 29 13 N 81 56 25 W  
 TOTAL DEPTH- 545 FT. ELEV.- 6 FT. 50 SAMPLES- C- 545 FT.  
 COMPLETED- 79.11.02 DEPTH WORKED 545 FT.

WELL NAME-

SGS L-2529

REMARKS-

DESCRIBED BY MIKE KNAPP (7-31-84), QUALITY (GOOD)

HYDROGEOLOGIC UNITS

0.0 35.0 SURFICIAL AQUIFER SYSTEM  
 35.0 145.0 UPPER HAWTHORN CONFINING ZONE  
 145.0 225.0 MID-HAWTHORN AQUIFER  
 225.0 475.0 LOWER HAWTHORN CONFINING ZONE  
 475.0 545.0 LOWER HAWTHORN/TAMPA PRODUCING ZONE

STRATIGRAPHIC FORMATIONS -

0.0- 35.0 TAMiami FORMATION  
 35.0- 475.0 HAWTHORN FORMATION  
 475.0- 545.0 TAMPA LIMESTONE

LITHOLOGIC LOG

- 045 .

LEE CO. T45S, R24E, SEC 078C

0.0- 10.0 LIMESTONE, VERY LIGHT ORANGE, 15% POROSITY, INTERGRANULAR, GRAIN TYPE: CALCILUTITE, BIOGENIC, CRYSTALS, 25% ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: MICROCRYSTALLINE, RANGE: MICROCRYSTALLINE TO COARSE, GOOD INDURATION, CALCILUTITE MATRIX, SPARRY CALCITE CEMENT, 30% QUARTZ SAND, 0% PHOSPHATIC SAND, MOLLUSKS, BRYOZOA,  
 10.0- 20.0 AS ABOVE,  
 20.0- 25.0 AS ABOVE,  
 25.0- 35.0 LIMESTONE, VERY LIGHT ORANGE TO GRAYISH ORANGE, 20% POROSITY, INTERGRANULAR, GRAIN TYPE: CALCILUTITE, BIOGENIC, SKELETAL, 35% ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: MICROCRYSTALLINE, RANGE: MICROCRYSTALLINE TO COARSE, GOOD INDURATION, CALCILUTITE MATRIX, SPARRY CALCITE CEMENT, 35% QUARTZ SAND, MOLLUSKS, FOSSIL MOLOS,  
 35.0- 45.0 SILT, LIGHT OLIVE, 10% POROSITY, INTERGRANULAR, LOW PERMEABILITY, POOR INDURATION, CLAY MATRIX, DOLOMITE CEMENT, 20% CLAY, 15% DOLOMITE, 0% PHOSPHATIC SAND, MOLLUSKS,  
 45.0- 55.0 AS ABOVE,

- 55.0- 65.0 CLAY, YELLOWISH GRAY, 10% POROSITY, INTERGRANULAR, LOW PERMEABILITY, POOR INDURATION, CLAY MATRIX, DOLOMITE CEMENT, 20% DOLOMITE, 20% SILT, 04% PHOSPHATIC SAND, MOLLUSKS,
- 65.0- 75.0 AS ABOVE,
- 75.0- 85.0 AS ABOVE,
- 85.0- 95.0 CLAY, YELLOWISH GRAY, 10% POROSITY, INTERGRANULAR, LOW PERMEABILITY, POOR INDURATION, CLAY MATRIX, DOLOMITE CEMENT, 20% DOLOMITE, 20% SILT, 05% PHOSPHATIC SAND, MOLLUSKS, BENTHONIC FORAMINIFERA,
- 95.0- 105.0 AS ABOVE,
- 105.0- 115.0 AS ABOVE,
- 115.0- 125.0 SAND, YELLOWISH GRAY, 10% POROSITY, INTERGRANULAR, LOW PERMEABILITY, GRAIN SIZE: MEDIUM, RANGE: VERY FINE TO COARSE, SUB-ANGULAR, ROUNDED, MEDIUM SPHERICITY, POOR INDURATION, CLAY MATRIX, DOLOMITE CEMENT, 25% CLAY, 25% DOLOMITE, 05% PHOSPHATIC GRAVEL,
- 125.0- 145.0 AS ABOVE,  
RUBBLE ZONE
- 145.0- 155.0 LIMESTONE, VERY LIGHT ORANGE, 15% POROSITY, INTERGRANULAR, MOLDIC, POSSIBLY HIGH PERMEABILITY, GRAIN TYPE: BIOGENIC, CALCILUTITE, SKELETAL, 30% ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: MICROCRYSTALLINE, RANGE: MICROCRYSTALLINE TO COARSE, GOOD INDURATION, CALCILUTITE MATRIX, SPARRY CALCITE CEMENT, DOLOMITE CEMENT, 10% DOLOMITE, 03% PHOSPHATIC SAND, 05% QUARTZ SAND, MOLLUSKS, FOSSIL FRAGMENTS, FOSSIL MOLDS,
- 155.0- 165.0 AS ABOVE,
- 165.0- 175.0 LIMESTONE, VERY LIGHT ORANGE TO WHITE, 15% POROSITY, INTERGRANULAR, MOLDIC, GRAIN TYPE: BIOGENIC, CALCILUTITE, 10% ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: MICROCRYSTALLINE, RANGE: MICROCRYSTALLINE TO MEDIUM, MODERATE INDURATION, CALCILUTITE MATRIX, 05% PHOSPHATIC SAND, 05% QUARTZ SAND, 05% DOLOMITE, MOLLUSKS, FOSSIL MOLDS,
- 175.0- 185.0 AS ABOVE,
- 185.0- 195.0 LIMESTONE, VERY LIGHT ORANGE TO WHITE, 15% POROSITY, INTERGRANULAR, MOLDIC, POSSIBLY HIGH PERMEABILITY, GRAIN TYPE: BIOGENIC, CALCILUTITE, SKELETAL, 30% ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: MICROCRYSTALLINE, RANGE: MICROCRYSTALLINE TO COARSE, GOOD INDURATION, CALCILUTITE MATRIX, SPARRY CALCITE CEMENT, 05% QUARTZ SAND, 05% PHOSPHATIC SAND, MOLLUSKS, BRYOZOA, CORAL, FOSSIL MOLDS,

- 195.0- 205.0 AS ABOVE,
- 205.0- 215.0 AS ABOVE,
- 215.0- 225.0 LIMESTONE, VERY LIGHT ORANGE, 12% POROSITY, INTERGRANULAR, MOLDIC, GRAIN TYPE: BIOGENIC, CALCILUTITE, 10% ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: MICROCRYSTALLINE, RANGE: MICROCRYSTALLINE TO MEDIUM, MODERATE INDURATION, CALCILUTITE MATRIX, SPARRY CALCITE CEMENT, 10% PHOSPHATIC SAND, 05% QUARTZ SAND, MOLLUSKS, FOSSIL MOLDS,
- 225.0- 235.0 LIMESTONE, WHITE, 10% POROSITY, INTERGRANULAR, LOW PERMEABILITY, GRAIN TYPE: BIOGENIC, CALCILUTITE, 05% ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: MICROCRYSTALLINE, RANGE: MICROCRYSTALLINE TO FINE, POOR INDURATION, CALCILUTITE MATRIX, 05% QUARTZ SAND, 03% PHOSPHATIC SAND,
- 235.0- 245.0 LIMESTONE, VERY LIGHT ORANGE, 15% POROSITY, INTERGRANULAR, MOLDIC, GRAIN TYPE: BIOGENIC, CALCILUTITE, SKELETAL, 25% ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: MICROCRYSTALLINE, RANGE: MICROCRYSTALLINE TO COARSE, MODERATE INDURATION, CALCILUTITE MATRIX, SPARRY CALCITE CEMENT, 05% QUARTZ SAND, 05% PHOSPHATIC SAND, 10% DOLOMITE, MOLLUSKS, FOSSIL FRAGMENTS, FOSSIL MOLDS,
- 245.0- 255.0 AS ABOVE,
- 255.0- 265.0 LIMESTONE, WHITE, 10% POROSITY, INTERGRANULAR, LOW PERMEABILITY, GRAIN TYPE: BIOGENIC, CALCILUTITE, 05% ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: MICROCRYSTALLINE, RANGE: MICROCRYSTALLINE TO FINE, POOR INDURATION, CALCILUTITE MATRIX, MOLLUSKS,
- 265.0- 275.0 CLAY, LIGHT OLIVE, 10% POROSITY, INTERGRANULAR, LOW PERMEABILITY, POOR INDURATION, DOLOMITE CEMENT, CLAY MATRIX, 10% CLAY, 05% PHOSPHATIC SAND, 10% SILT, MOLLUSKS,
- 275.0- 285.0 CLAY, LIGHT OLIVE, 10% POROSITY, INTERGRANULAR, LOW PERMEABILITY, POOR INDURATION, CLAY MATRIX, DOLOMITE CEMENT, 10% DOLOMITE, 25% SILT, 02% PHOSPHATIC GRAVEL, 10% PHOSPHATIC SAND, MOLLUSKS,
- 285.0- 295.0 CLAY, LIGHT OLIVE TO WHITE, 10% POROSITY, INTERGRANULAR, LOW PERMEABILITY, POOR INDURATION, DOLOMITE CEMENT, CALCILUTITE MATRIX, CLAY MATRIX, 10% CLAY, 50% CALCILUTITE, 20% PHOSPHATIC SAND, MOLLUSKS,
- 295.0- 305.0 AS ABOVE,
- 305.0- 315.0 CLAY, VERY LIGHT ORANGE TO LIGHT OLIVE, 10% POROSITY, INTERGRANULAR, LOW PERMEABILITY, POOR INDURATION, DOLOMITE CEMENT, CALCILUTITE MATRIX, 35% CALCILUTITE, 25% SILT, 01% PHOSPHATIC SAND, MOLLUSKS,

- 315.0- 325.0 AS ABOVE,
- 325.0- 335.0 LIMESTONE, VERY LIGHT ORANGE TO WHITE, 10% POROSITY, INTERGRANULAR, LOW PERMEABILITY, GRAIN TYPE: BIOGENIC, CALCILUTITE, 05% ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: MICROCRYSTALLINE, RANGE: MICROCRYSTALLINE TO FINE, POOR INDURATION, CALCILUTITE MATRIX, DOLOMITE CEMENT, 25% DOLOMITE, MOLLUSKS,
- 335.0- 345.0 AS ABOVE,
- 345.0- 355.0 AS ABOVE,
- 355.0- 365.0 CLAY, VERY LIGHT ORANGE, 10% POROSITY, INTERGRANULAR, LOW PERMEABILITY, POOR INDURATION, DOLOMITE CEMENT, CALCILUTITE MATRIX, 30% MANGANESE OXIDE, MOLLUSKS,
- 365.0- 375.0 AS ABOVE,
- 375.0- 385.0 CLAY, LIGHT OLIVE, 10% POROSITY, INTERGRANULAR, LOW PERMEABILITY, POOR INDURATION, CLAY MATRIX, DOLOMITE CEMENT, CALCILUTITE MATRIX, 30% DOLOMITE, 20% CALCILUTITE, 05% PHOSPHATIC SAND, 10% SILT, MOLLUSKS,
- 385.0- 395.0 DOLOMITE, VERY LIGHT ORANGE TO GRAYISH ORANGE, 15% POROSITY, INTERGRANULAR, INTERCRYSTALLINE, MOLDIC, 50-90% ALTERED, EUBEDRAL, GRAIN SIZE: VERY FINE, RANGE: MICROCRYSTALLINE TO VERY FINE, GOOD INDURATION, DOLOMITE CEMENT, CALCILUTITE MATRIX, 10% CALCILUTITE, 03% PHOSPHATIC SAND, 02% QUARTZ SAND, HIGH RECRYSTALLIZATION, MOLLUSKS,
- 395.0- 405.0 CLAY, VERY LIGHT ORANGE TO LIGHT OLIVE, 10% POROSITY, INTERGRANULAR, LOW PERMEABILITY, POOR INDURATION, DOLOMITE CEMENT, CALCILUTITE MATRIX, 35% CALCILUTITE, 03% PHOSPHATIC SAND, 05% QUARTZ SAND, MOLLUSKS,
- 405.0- 425.0 AS ABOVE,
- 425.0- 445.0 AS ABOVE,
- 445.0- 455.0 LIMESTONE, VERY LIGHT ORANGE, 10% POROSITY, INTERGRANULAR, LOW PERMEABILITY, GRAIN TYPE: BIOGENIC, CALCILUTITE, 05% ALLOCHEMICAL CONSTITUENTS, GRAIN SIZE: MICROCRYSTALLINE, RANGE: MICROCRYSTALLINE TO COARSE, POOR INDURATION, CALCILUTITE MATRIX, 25% DOLOMITE, 02% PHOSPHATIC SAND, MOLLUSKS,
- 455.0- 465.0 CLAY, VERY LIGHT ORANGE TO WHITE, 10% POROSITY, INTERGRANULAR, LOW PERMEABILITY, POOR INDURATION, DOLOMITE CEMENT, CALCILUTITE MATRIX, 30% CALCILUTITE, MOLLUSKS,
- 465.0- 475.0 AS ABOVE,

THEOLOGIC LOG  
045 .

LEE CO. T45S, R24E, SEC 0780

- 75.0- 485.0 LIMESTONE, VERY LIGHT ORANGE, 10% POROSITY, INTERGRANULAR, LOW PERMEABILITY, GRAIN TYPE: BIOGENIC, CALCILUTITE, 05% ALLUCHEMICAL CONSTITUENTS, GRAIN SIZE: MICROCRYSTALLINE, RANGE: MICROCRYSTALLINE TO COARSE, POOR INDURATION, CALCILUTITE MATRIX, DOLomite CEMENT, 40% DOLomite, 05% QUARTZ SAND, MOLLUSKS,
- 485.0- 495.0 LIMESTONE, VERY LIGHT ORANGE, 15% POROSITY, INTERGRANULAR, MOLDIC, GRAIN TYPE: BIOGENIC, CALCILUTITE, SKELETAL, 30% ALLUCHEMICAL CONSTITUENTS, GRAIN SIZE: MICROCRYSTALLINE, RANGE: MICROCRYSTALLINE TO COARSE, MODERATE INDURATION, CALCILUTITE MATRIX, SPARRY CALCITE CEMENT, 02% QUARTZ SAND, 02% PHOSPHATIC SAND, MOLLUSKS, FOSSIL MOLDS,
- 495.0- 505.0 AS ABOVE,
- 505.0- 525.0 LIMESTONE, VERY LIGHT ORANGE, 15% POROSITY, INTERGRANULAR, MOLDIC, INTERCRYSTALLINE, GRAIN TYPE: BIOGENIC, CALCILUTITE, CRYSTALS, 40% ALLUCHEMICAL CONSTITUENTS, GRAIN SIZE: MICROCRYSTALLINE, RANGE: MICROCRYSTALLINE TO COARSE, GOOD INDURATION, CALCILUTITE MATRIX, SPARRY CALCITE CEMENT, 05% QUARTZ SAND, 01% PHOSPHATIC SAND, MOLLUSKS, FOSSIL MOLDS,
- 525.0- 545.0 AS ABOVE,