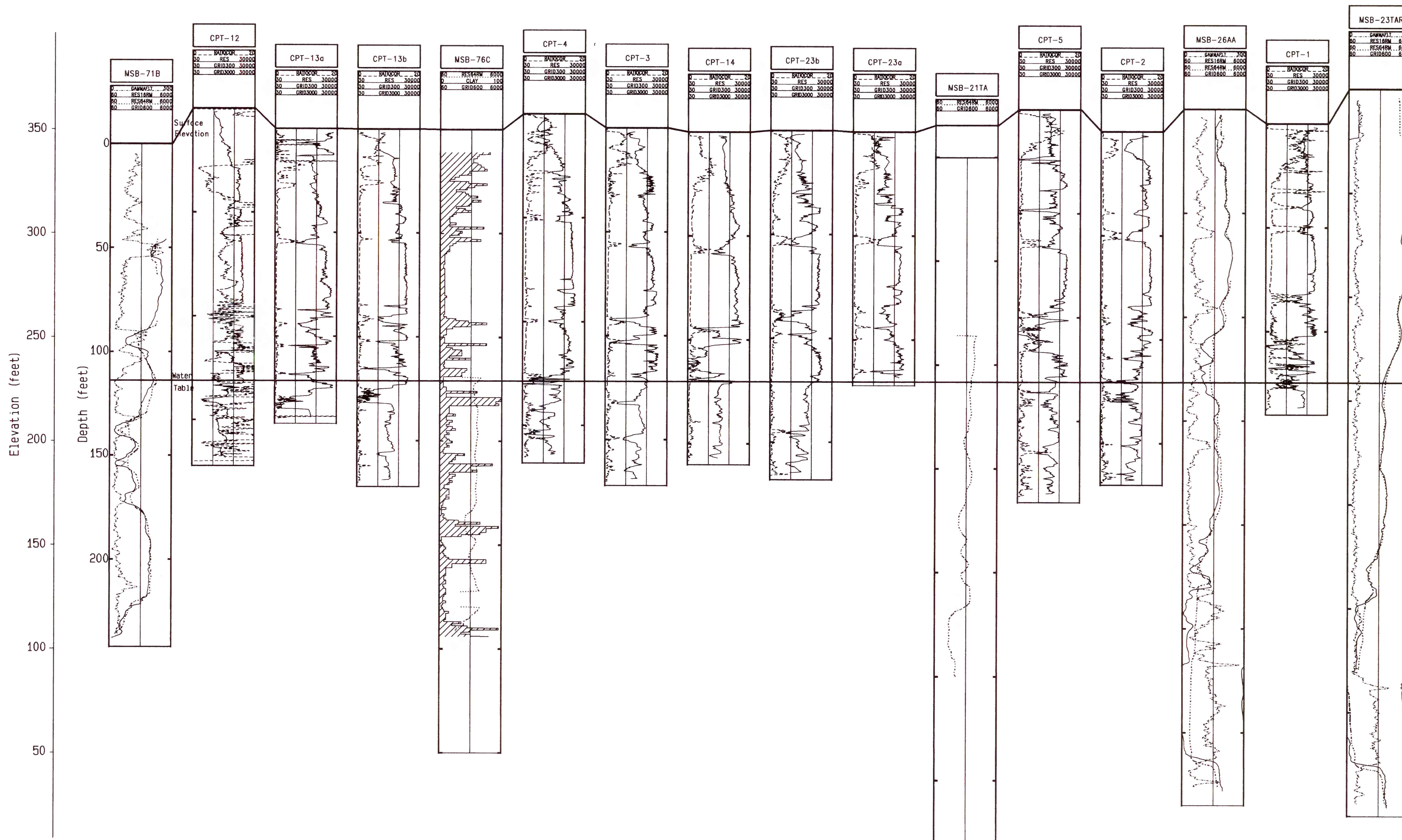


WELLS AND PENETRATIONS APPROXIMATELY 2000 FEET NORTH OF M-AREA SETTLING BASIN

WEST

EAST



GEOPHYSICAL AND CONE PENETROMETER LOGS  
SAVANNAH RIVER SITE, A/M AREA

Compiled by Philip H. Nelson and Joyce E. Kibler  
U.S. Geological Survey, Denver CO

Depth Scale: 20 feet per inch.  
Depth ticks are referenced to surface for each well.  
Horizontal Scale: Variable.

Cone penetrometer logs acquired by Applied Research Associates, 1992.  
Geophysical logs acquired by Graves and Grayco, 1988-1992.

Explanation of Curves, Cone Penetrometer Runs (CPT- )  
RATIOCOR Ratio of sleeve stress to corrected tip stress (percent).  
RES Resistivity (ohm-m) from Wenner array with one-inch electrode spacings.

Explanation of Curves, Geophysical Logs (MSB- and MHT- )  
GAMMAFLT Gamma-ray smoothed over 11 samples (1.1 feet).  
CLAY Clay fraction from drilling samples.  
RES\_16RM Resistivity (ohm-m) from 16-inch normal array, corrected for borehole fluid.  
RES\_64RM Resistivity (ohm-m) from 64-inch normal array, corrected for borehole fluid.

Note: Resistivity scale for geophysical logs is 60-600-6000 ohm-m; resistivity scale for penetrometer log is 30-300-3000-30,000 ohm-m. Both are logarithmic.

Date Plotted: April, 1996

References

Looney, B.B., Rossabi, J., Tuck, D.M., Jordan, J.E., Bergren, C.L., Stevenson, A.E., Kristiansen, B.S., 1992, Assessing DNAPL contamination in A/M Area, SRS: Phase I results (U). Westinghouse Savannah River Company, WSRC-RP-92-1302, 91 p.

Nelson, P.H., and J.E. Kibler, 1995, Geophysical logs and groundwater chemistry in the A/M Area, interim report, Savannah River Site, South Carolina, U.S. Geological Survey Open-File Report 95-507, 68 p.

Shinn, J.D., and Bratton, W.L., 1992, Piezo-resistivity electric cone penetration technology investigation of the M-basin at the Savannah River Site, Aiken, South Carolina, Applied Research Associates, Inc., South Royalton, Vermont, 180 p.

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