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DRAFT

REMEDIAL INVESTIGATION/ FEASIBILITY STUDY REPORT FOR THE SOUTHERN MARYLAND WOOD TREATING SITE HOLLYWOOD, MARYLAND

VOLUME II - APPENDICES

May 1988

Work Assignment No.: 95-3LE8
Document No.: 193-FS1-RT-GBKN

AR301761

Appendix A

APPENDIX A

SUPERFUND PROCESS

A-1 REM II AND SUPERFUND IMPLEMENTATION

CERCLA establishes a national program for responding to releases of hazardous substances into the environment. In addition, the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the process for determining appropriate remedial actions at Superfund sites. Together, CERCLA and the NCP require that a remedial action selected for a Superfund site be cost-effective and that it be adequate to protect public health.

A-2 THE RI/FS PROCESS

In accordance with the NCP, potential hazard waste sites are subjected to a preliminary assessment, if necessary, detailed site inspection. If evidence of hazardous waste activity is found, posing an actual or potential threat to public health and/or the environment, it must be determined whether removal of the wastes is necessary.

If removal actions are not required, an evaluation is made of the potential threat to public health and/or the environment relative to that posed by other potential hazardous waste sites. In this manner, a relative ranking is developed as the basis for inclusion of the site on the National Priorities List (NPL). Inclusion of a site on the NPL is a prerequisite for expenditure of monies from Superfund to conduct a more detailed site investigation and evaluation of remedial action alternatives.

A detailed site investigation and a remedial alternative consideration are conducted as a remedial investigation/ feasibility study (RI/FS), in accordance with the NCP. The RI/FS is an integrated approach. The RI characterizes the nature and extent of contamination at the site, identifies potential containment migration pathways and exposure routes, and evaluates the present and/or potential threat to the public and the environment due to site contamination. Data gathered during the RI are used for the development and evaluation of possible remedial action alternatives in the FS. In the FS phase report, feasible technologies (e.g., surface-water diversion, capping, landfilling, treatment) are defined to mitigate or eliminate the health or environmental threats identified in the RI. These technologies are assembled into alternative remedial actions and subjected to an initial screening to identify those that address the goals of remedial action and can be implemented, and to

eliminate inappropriate and most costly alternatives. Those alternatives remaining following the initial screening phase are subjected to more rigorous evaluation.

The RI/FS process results in an objective, comparative evaluation of the most appropriate remedial alternatives to meet the cleanup objectives for the site. This evaluation is prepared in the form of a draft report and subjected to public and agency review and comment. A final RI/FS report is prepared summarizing comments received during the public review period and comment responses. Based on the final RI/FS report, EPA selects the recommended remedial action alternatives.

The purpose of the REM II program is to provide technical and management services in support of EPA remedial planning enforcement and activities at selected uncontrolled hazardous substance disposal sites. This program was established under CERCLA, commonly referred to as Superfund. EPA's Hazardous Site Control Division (HSCD), through Contract No. 68-01-6939, has employed Camp Dresser & McKee, Inc. (CDM) of Boston, Massachusetts to implement remedial response activities in EPA Regions I through X.

Contract No. 68-01-6939, titled "Performance of Remedial Response Activities at Uncontrolled Hazardous Waste Site," and called "REM II," is a 4-year contract to provide:

- Remedial investigations.
- Engineering feasibility studies.
- Oversight of remedial planning and implementation projects performed by states and/or responsible parties.
- Engineering design services.
- Monitoring.
- Resident engineering, training, technical services, and program management.
- Support to EPA.

Figure A-1 provides a simplified logic diagram for the major components associated with the performance of an RI/FS by the REM II team. The initial documents prepared for this assignment are components of the Southern Maryland Wood Treating site Work Plan and Project Operations Plan (POP). These documents define the objectives and scope of the RI field activities. The results of

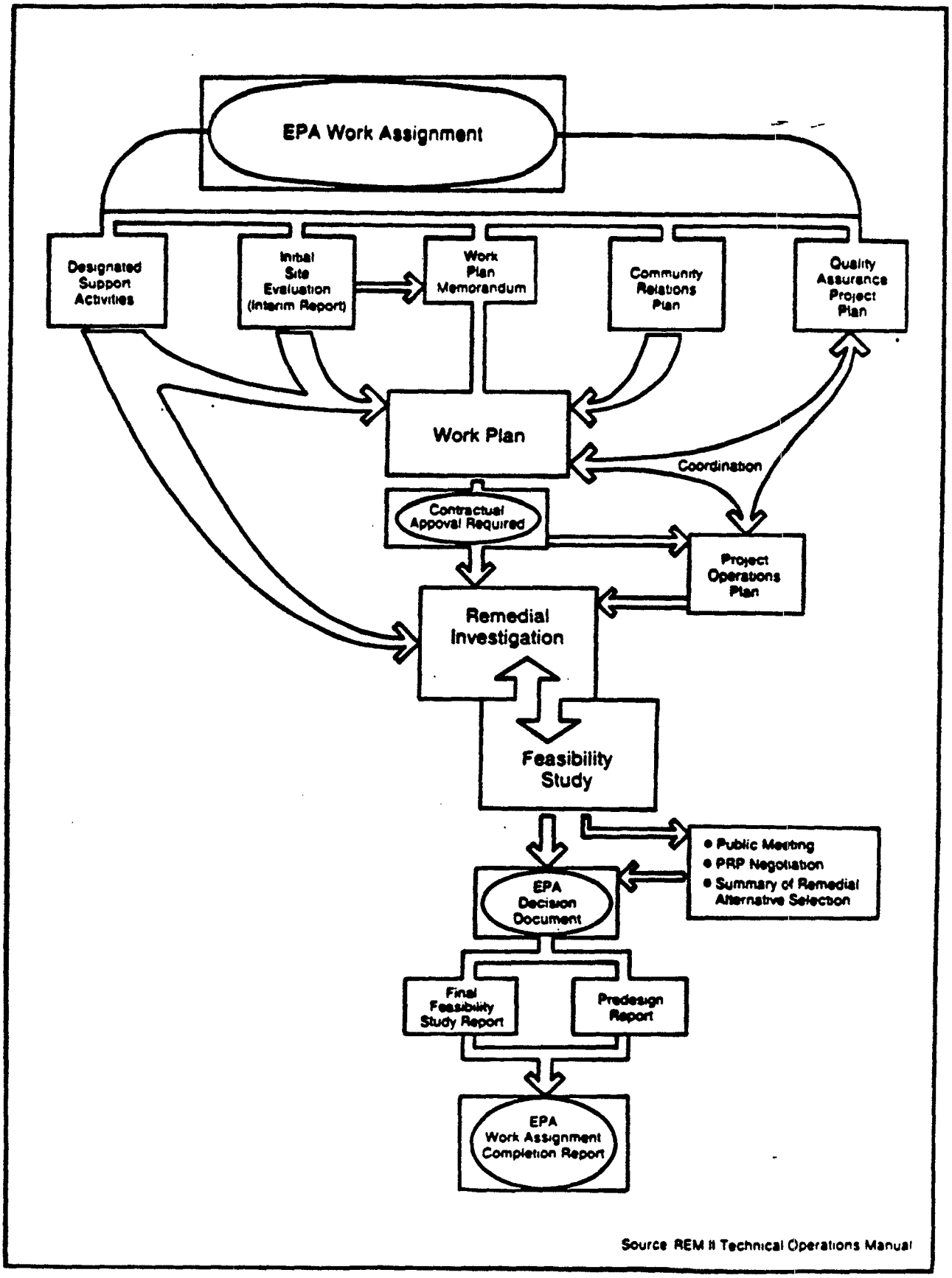


FIGURE A-1 RI/FS LOGIC DIAGRAM

the field activities are reported in the RI, Sections 1 through 4, with the initial remedial alternatives discussed in the FS, Section 6 of this document.

Note that additional field work (i.e., Phase III activities) is required to obtain essential information to adequately finalize response objectives and develop/analyze remedial options. Therefore, this document only addresses site remediation considerations and initial technology screening.

Appendix B

PRELIMINARY DRAFT

DEVELOPMENT AND VALIDATION
OF
A METHOD FOR FIELD SCREENING ANALYSIS
OF SOIL AND WATER FOR
POLYNUCLEAR AROMATIC HYDROCARBONS
FOR
SUBTASK 5
(Phase I RI - Initial Support Activities)

SOUTHERN MARYLAND WOOD TREATING SITE
Hollywood, Maryland

December 17, 1985

Work Assignment No.: 95-3LE8.1
Document Control No.: 193-RI1-RT-CALY-1

B-0

1.0 Introduction

This report describes Subtask 5 of Task 1.0 (Initial Support Activities) of the Work Plan for the Remedial Investigation (RI) at the Southern Maryland Wood Treating (SMWT) site in Hollywood, Maryland. Details of the development and validation of a field screening method for the determination of total polynuclear aromatic hydrocarbon (PAH) concentration in both soils and waters are presented in the following sections of this report.

The purpose of this method development and validation work was to develop a rapid (10-20 minutes), semi-quantitative analytical method for screening analysis of soils samples for total polynuclear aromatic hydrocarbon (PAHs) with a target detection limit in the range 1-10 ug/g. This method was to give a total concentration of PAHs which is comparable to those obtained using conventional analytical methods (e.g., EPA-CLP Protocol and/or 8270). The technical approach described in the following sections focuses on the development of a rapid extraction of PAHs from soils and waters with analysis using UV fluorescence spectrophotometry.

2.0 Abstract

A rapid field screening technique for the determination of total Polynuclear Aromatic Hydrocarbons (PAH) in soils and waters was developed and validated for use at the Southern Maryland Wood Treating Site. Initially, a literature search was performed to provide information on alternative extraction and analysis methods, UV fluorescence spectral characteristics of the PAHs of interest, and concentrations of interest. Based on the literature search, development methods were concentrated on the use of UV fluorescence for analysis of PAHs in the soil and water samples.

Three representative PAH compounds -- naphthalene, acenaphthene, and phenanthrene, found in samples from the Southern Maryland Wood Treating Site (ERT sampling, January 1985) -- were selected as target compounds in the Method Development and Method Validation phases of this project. These three compounds were used to spike distilled water and background soil to establish the accuracy and precision of rapid screening techniques for water and soil. Soil and water samples were extracted for analysis by UV fluorescence spectrophotometry.

The fluorescence spectra of seven PAH compounds found in the majority of samples at highest concentrations in samples from the SMWT site in January 1985 were examined, as an initial step towards analysis of soils and water samples. Based on the UV fluorescence spectra of the PAH compounds, wavelength pairs were selected which would most accurately quantify the mixture of PAH compounds present at the SMWT site.

It was concluded that the method developed for field screen- water and soil samples from the SMWT site, utilizing UV fluores cence spectrophotometry, is a reliable and accurate means fo. estimating the total PAH concentration at the SMWT site. A description of the technical approach, summary method accurac and precision, and a comparison of rapid screening and GC/MS dat are presented in the following sections.

3.0 Screening Method Development

3.1 Selection of PAH Target Compounds

The three target compounds used for method validation were selected by examining GC/MS data from the ERT sampling event at SMWT in January 1985. These data showed that naphthalene, acenaphthene, and phenanthrene comprised approximately half the total PAH concentration in the soil at that time. An even greater proportion of the total PAH concentration in surface and well water samples was due to the presence of these three compounds.

Naphthalene and acenaphthene contain two aromatic rings, while phenanthrene contains three. These compounds are representative of PAH compounds present at the SMWT site and should closely parallel the behavior of all PAH compounds of interest (i.e., those with from two to six rings).

3.2 Generation of UV Fluorescene Spectra

After selection of the three target PAH compounds, UV fluorescence spectra over a wide concentration range were obtained using standard solutions. The fluorescence data were used to determine sensitivity and generate response curves. Based on sensitivity, the sample size and volume of extraction solvent were determined to meet the required detection limits. Sensitivity was sufficient to use a small sample (1. g of soil or 25. ml of water) for the screening techniques.

Considering site history, the proposed method was designed to achieve a detection limit of 10 ug/L for total PAH concentration in water and 1-10 ug/g in soil.

4.0 Method Development - Soil

The major steps in the development of a rapid screening method for total PAH concentration in soils are listed below:

1. Selection of target compounds.

2. Determination of spectral characteristics and UV fluorescence sensitivity range.

3. Selection of an appropriate extraction solvent.

4. Analysis of three sets of duplicate spikes as an initial method development step.

5. Examination of the data from Step 4 to establish the desired method validation range.

6. Analysis of five sets of triplicate spikes to establish method accuracy and precision.

Naphthalene, acenaphthene, and phenanthrene were selected as the target compounds as previously discussed. Excitation and Emission maxima for each target compound were determined from 250 nm - 550 nm.

Because of their similar structures, naphthalene and acenaphthene have similar spectral characteristics and concentrations were determined in spiked samples as total naphthalene/acenaphthene concentrations. The fluorescence spectral information is presented in Table 4-1.

A quantifiable fluorescence response was observed for each analyte from .01 to 1.0 ug/ml concentration in solution. The mass vs. response curve becomes non-linear at the higher concentra- tions and the most accurate quantification is obtained by working within a concentration range of 0.1 to 1.0 ug/ml.

Three extraction solvents were compared to select the most appropriate solvent for the rapid screening of soils. Hexane, acetonitrile, and toluene all gave quantitative recovery of a 150 ug/g PAH soil spike (50 ug/g of each compound). However, acetonitrile was chosen for the following reasons:

1. Acetonitrile gave rapid dispersion of wet soil into the extraction solvent; neither hexane nor toluene did this.

2. Acetonitrile exhibited the best sensitivity of the three solvents.

3. Toluene is opaque at 250 nm., which is the selected excitation wavelength for phenanthrene.

At this point a preliminary set of duplicate spikes were prepared and analyzed. Each compound was spiked at 0.1 ug/g, 1 ug/g, and 10 ug/g onto SMWT site background soil. Note that this yields a total PAH concentration equal to 0.3 ug/g, 3.0 ug/g, and

30 ug/g. The 0.3 ug/g PAH spike was indistinguishable from background soil levels. A range of 3 ug/g to 300 ug/g total PAH in soil was selected for method validation. These results, expressed as a percentage of recovery of naphthalene/acenaphthene or phenanthrene, are shown in Table 4-2 and Table 4-3 and are corrected for background soil contribution. Recoveries above 100% occur because calibration curves were extrapolated to non-linear response regions, thus giving concentrations which were biased high. This represents a "worst case" performance, and this problem can be remedied by working over a concentration range with a more linear response. The method protocol used for this validation is described below.

RAPID SCREENING OF SOIL FOR TOTAL PAH CONCENTRATION

1. Weigh 1.0 g wet soil into a 40 ml vial.
2. Add 1.0 g anhydrous sodium sulfate.
3. Add 10 ml UV grade acetonitrile.
4. Shake vigorously for 15 seconds.
5. Let sample settle for 1 minute.
6. Filter sample through 0.2 micron teflon filter (with in-line syringe).
7. Calibrate instrument from 0.1 to 1.0 ug/ml for each target compound.
8. Analyze extracts by UV fluorescence, diluting the extract into range as necessary.

Following establishment of method performance, four SMWT site soil samples were analyzed in triplicate and the results compared to those obtained by conventional GC/MS techniques. These samples were prepared and analyzed by GC/MS using procedures described in "Statement of Work for Organics Analysis Multi-Media Multi-Concentration", U.S.EPA Contract Laboratory Program, July 1985. PAH concentrations determined by GC/MS were summed and recorrected for moisture content to give total PAH concentration on a wet weight basis.

UV fluorescence screening data for soils from the SMWT site were obtained using the procedures described above in the method development section. Quantification was performed using a slightly different method, described as follows: A mixture of PAH compounds prevalent at SMWT site was prepared and analyzed by using two pairs of compromise wavelengths to calibrate the procedure. This information is most easily depicted in tabular

Table 4-1

UV FLUORESCENCE CHARACTERISTICS OF TARGET COMPOUNDS

COMPOUND	EXCITATION (Ex) and EMISSION (Em) MAXIMA		COMPROMISE WAVELENGTHS USED	
	Ex	Em	Ex	Em
napthalene	275	355	280	340
acenapthene	280	355	280	340
phenanthrene	250	365	250	365

Table 4-2

RECOVERY OF PAHs FROM SOIL VALIDATION SAMPLES

Concentration of Each Analyte ug/g	Total PAH Concentration ug/g	% Recovery Napthalene Acenapthene	% Recovery Phenanthrene
1	3	65.5	79.7
1	3	57.2	83.3
1	3	73.9	95.5
5	15	78.9	89.0
5	15	73.9	82.7
5	15	84.2	106.0
10	30	71.1	72.3
10	30	66.8	63.0
10	30	67.8	64.0
50	150	95.1	123.0
50	150	106	144.0
50	150	99.1	122.0
100	300	93.3	93.3
100	300	91.0	94.5
100	300	95.3	94.9

Table 4-3

METHOD PRECISION AND ACCURACY
FOR TOTAL PAH IN SOIL SAMPLES

Total PAH Concentration (ug/g)	Average Recovery Naphthalene/ Acenapthene	RSD (%)*	Average Recovery (%) Phenanthrene	RSD(%)*
3	65.5	12.7	86.1	9.6
15	79.0	6.5	92.6	13.0
30	68.6	3.3	66.4	7.7
150	100.0	5.5	130.0	9.6
300	93.2	2.3	94.2	0.9

*Relative Standard Deviation

form (Table 4-4). Note that standard concentration is expressed as the sum of those compounds measured at each wavelength. Benzo(k)fluoranthene has not been observed at high levels at the SMWT site but has been used to provide a typical six-membered ring PAH compound in the standard mix. This mix was prepared in acetonitrile, the same solvent used for extraction.

Serial dilutions of the screening standard mix in Table 4-4 were prepared to give quantifiable response over the component concentration range of 0.005 to 1.0 ug/ml. This gave a range of 0.015 to 3.0 ug/ml for wavelength group 1 (3 components) and 0.020 to 4.0 ug/ml for wavelength group 2 (4 components).

Table 4-5 summarizes GC/MS and UV fluorescence rapid screening data for soil samples from SMWT. The results show that these data from UV fluorescence screening compare well with PAH concentrations measured by GC/MS. Discrepancies between replicates may be due to a lack of homogeneity among soil samples. This is discussed further in the Conclusions section of this report.

5.0 Method Development - Water[1]

For rapid screening of water samples to determine total PAH concentration, hexane was selected as the extraction solvent for sample preparation using micro-extraction procedures. The procedure used for sample extraction is outlined below:

1. Mix sample. Add 25 ml of sample to a 40 ml teflon capped vial.

2. Add 5 ml UV grade hexane. Shake for 1 minute.

3. Let sample settle for 5 minutes.

4. Analyze hexane extract by UV fluorescence.

This screening method was applied to three pairs of duplicates for method development. A total PAH concentration range from 9 to 1800 ug/l was chosen for method validation. Note that this equates to a 3 to 600 ug/l range for each target compound. Method precision and accuracy data are presented in Table 5-1 and 5-2.

Following determination of recoveries, the UV fluorescence screening method was used to determine total PAH concentration in the SMWT site water sample, SW1. Results were compared to those obtained by GC/MS Analysis. As in the soil sample quantification, the mixture shown in Table 4-4 was used for calibration. The screening results are shown in Table 5-3.

Table 4-4

COMPOSITION OF TOTAL PAH SCREENING STANDARD MI

Compound Concentration	Group No.	No. of Rings	Stock Concentration in ug/ml	Compromise Wavelength Pairs	Wavelen Pair Gr Concentr
napthalene	1	2	100	280/340	
acenapthene	1	3	100	280/340	300 ug/
fluorene	1	3	100	280/340	
phenanthrene	2	3	100	250/400	
fluoranthene	2	4	100	250/400	400 ug/
pyrene	2	4	100	250/400	
benzo(k)fluor-anthene	2	6	100	250/400	

Table 4-5

COMPARISON OF UV FLUORESCENCE RAPID SCREENING
AND GC/MS DATA FOR
TOTAL PAH CONCENTRATION IN SOIL SAMPLES FROM SMWT SITE

Sample I.D.	Location	Technique	Total PAH Concentration (ug/g) #1	#2	#3	Avg.
SS 1	Land Treatment	UV Fluorescence	16.4	6.5	1.4	8.1
SS 1	Land Treatment	GC/MS	7.0	---	---	7.0
SS 2	Process Area	UV Fluorescence	21.6	45.5	60.8	42.6
SS 2	Process Area	GC/MS	120.	---	---	120
SS 3	Pond	UV Fluorescence	104000	76300	85700	88500
SS 3	Pond	GC/MS	19600	---	---	19600
SS 4	Background	UV Fluorescence	4.1	4.2	3.6	4.0
SS 4	Background	GC/MS	4.1	---	---	4.1

Table 5-1

RECOVERY OF PAHs FROM WATER VALIDATION SAMPLES

Concentration of Each Analyte ug/l	Total PAH Concentration ug/l	% Recovery Napthalene/ Acenaphlene	% Recovery Phenanthrene
3	9	82.0	92.0
3	9	80.0	93.1
30	90	97.5	111.0
30	90	95.9	110.0
600	1800	96.6	93.9
600	1800	91.4	98.8

Table 5-2

METHOD PRECISION AND ACCURACY
FOR TOTAL PAH IN WATER SAMPLES

Total PAH Concentrations (ug/l)	Average Recovery (%) Napthalene/ Acenapthene	RSD (%)*	Average Recovery Phenanthrene	RSD (%)*
9	81.0	1.7	92.6	0.8
90	96.7	1.2	111.0	0.6
1800	94.0	3.9	96.4	3.6

*Relative Standard Deviation

Table 5-3

COMPARISON OF UV FLUORESCENCE RAPID SCREENING
AND GC/MS DATA FOR TOTAL PAH CONCENTRATION IN WATER SAMPLES

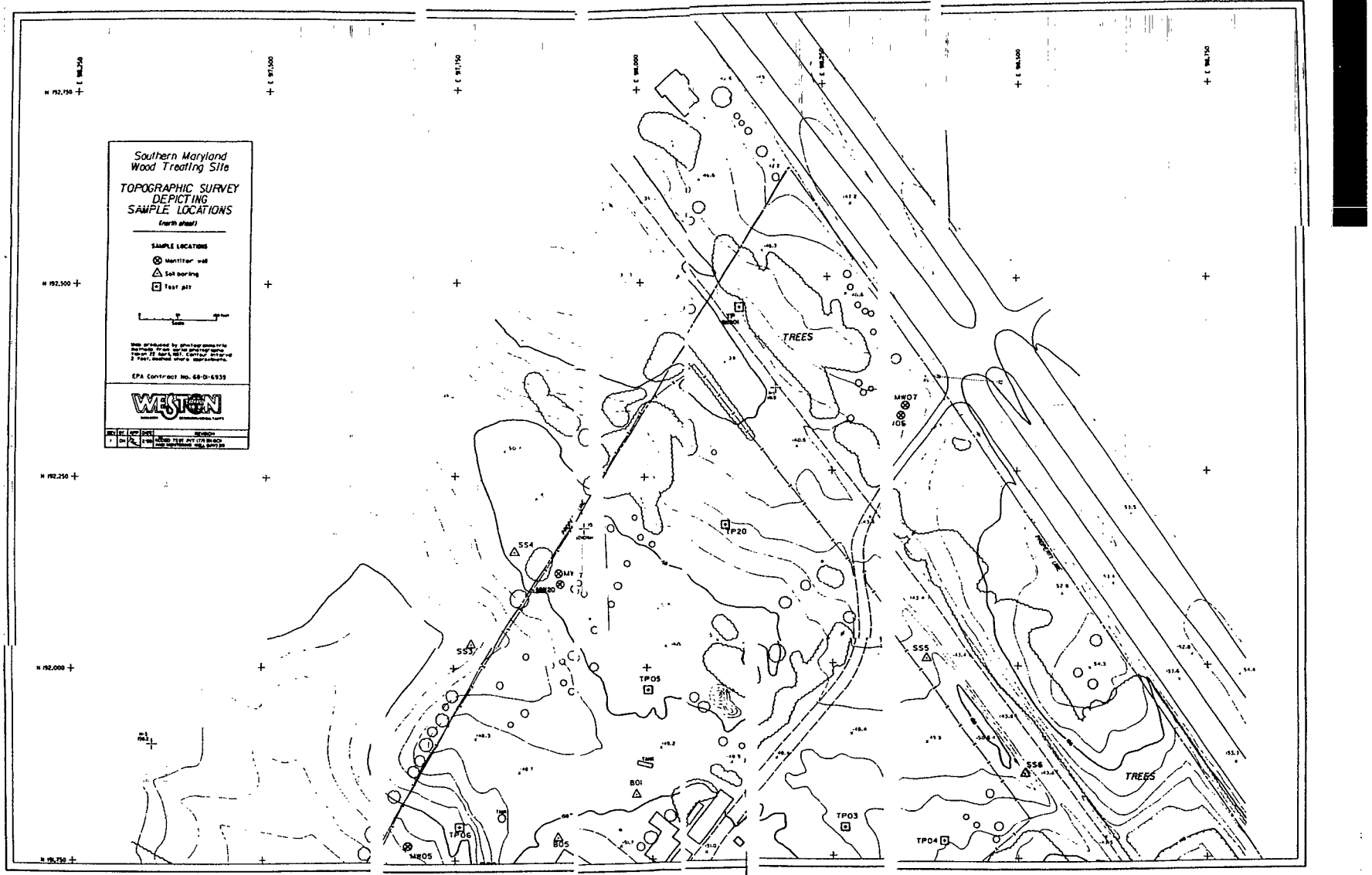
SAMPLE I.D.	LOCATION AVERAGE	TECHNIQUE	TOTAL PAH ug/l #1	#2	#3	AVERAGE PAH CONCENTRATION (ug/l)
SW 1	Surface Water	UV	3.1	4.4	6.3	4.6
SW 1	Surface Water	GC/MS	0.7	---	---	0.7

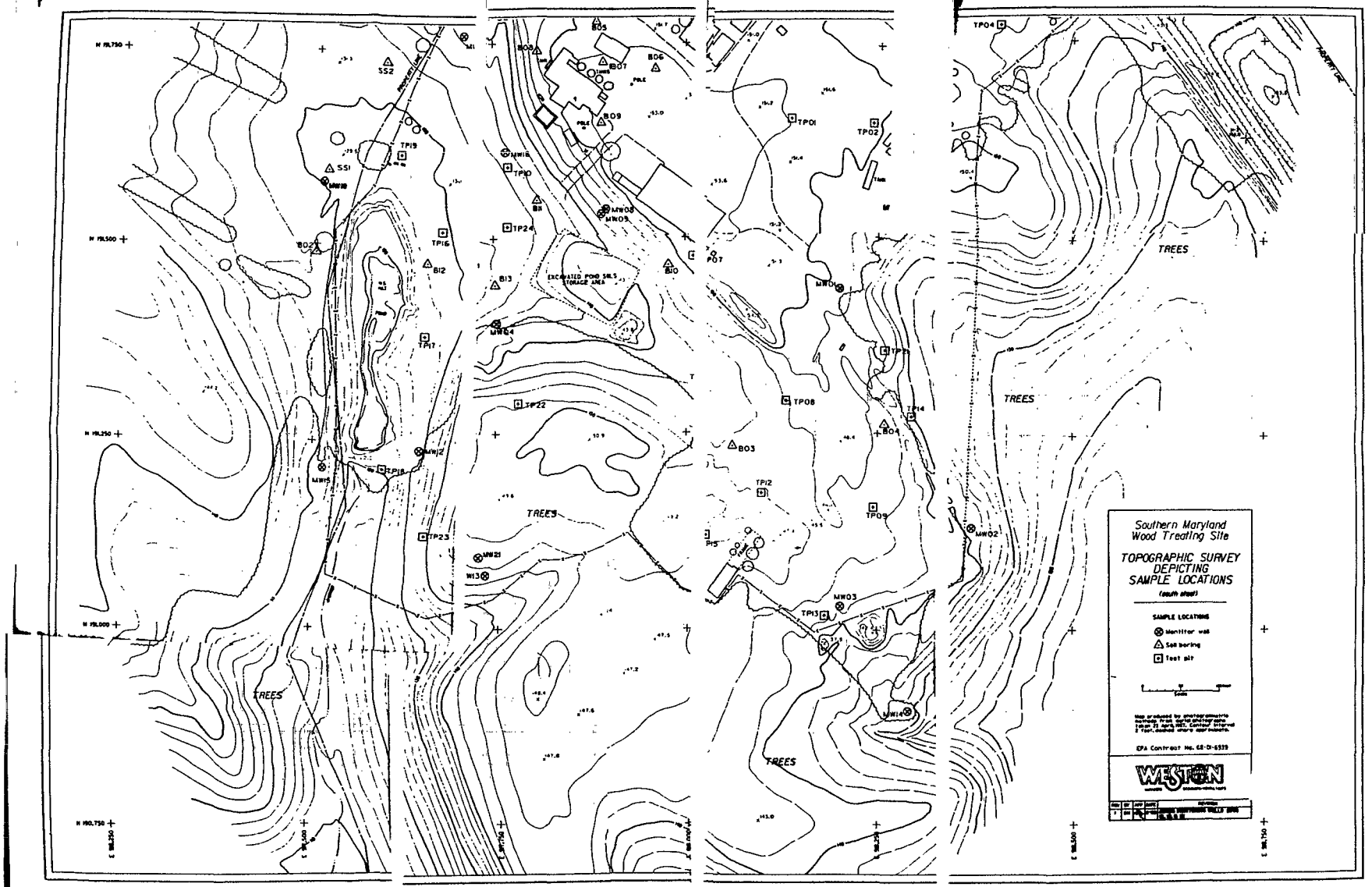
References

1. Rhoades, John W. and Nulton, Carter P., "Journal of Environmental Science and Health", A15(5), pp. 467-484, 1980.

Appendix C

Appendix C


Southern Maryland
Wood Treating Site
TOPOGRAPHIC SURVEY
DEPICTING
SAMPLE LOCATIONS
(north sheet)
SAMPLE LOCATIONS
Monitor well
Soil boring
Test pit
EPA Contract No. 68-01-6939
WESTON
TREES
TREES
TP20
TP05
TP06
TP03
TP04
SS4
SS5
SS6
SS7
B01
B05
MW05
MW07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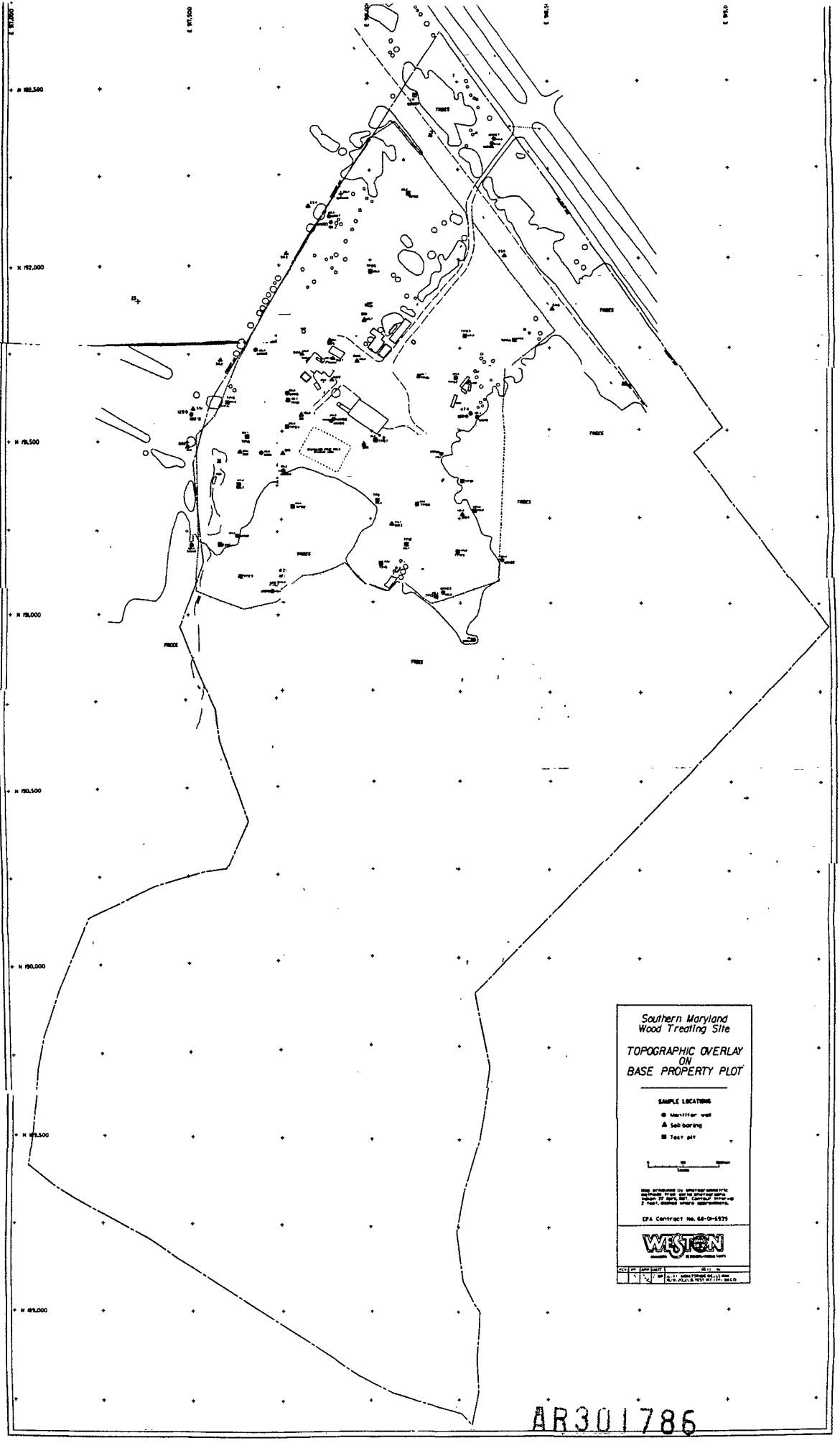
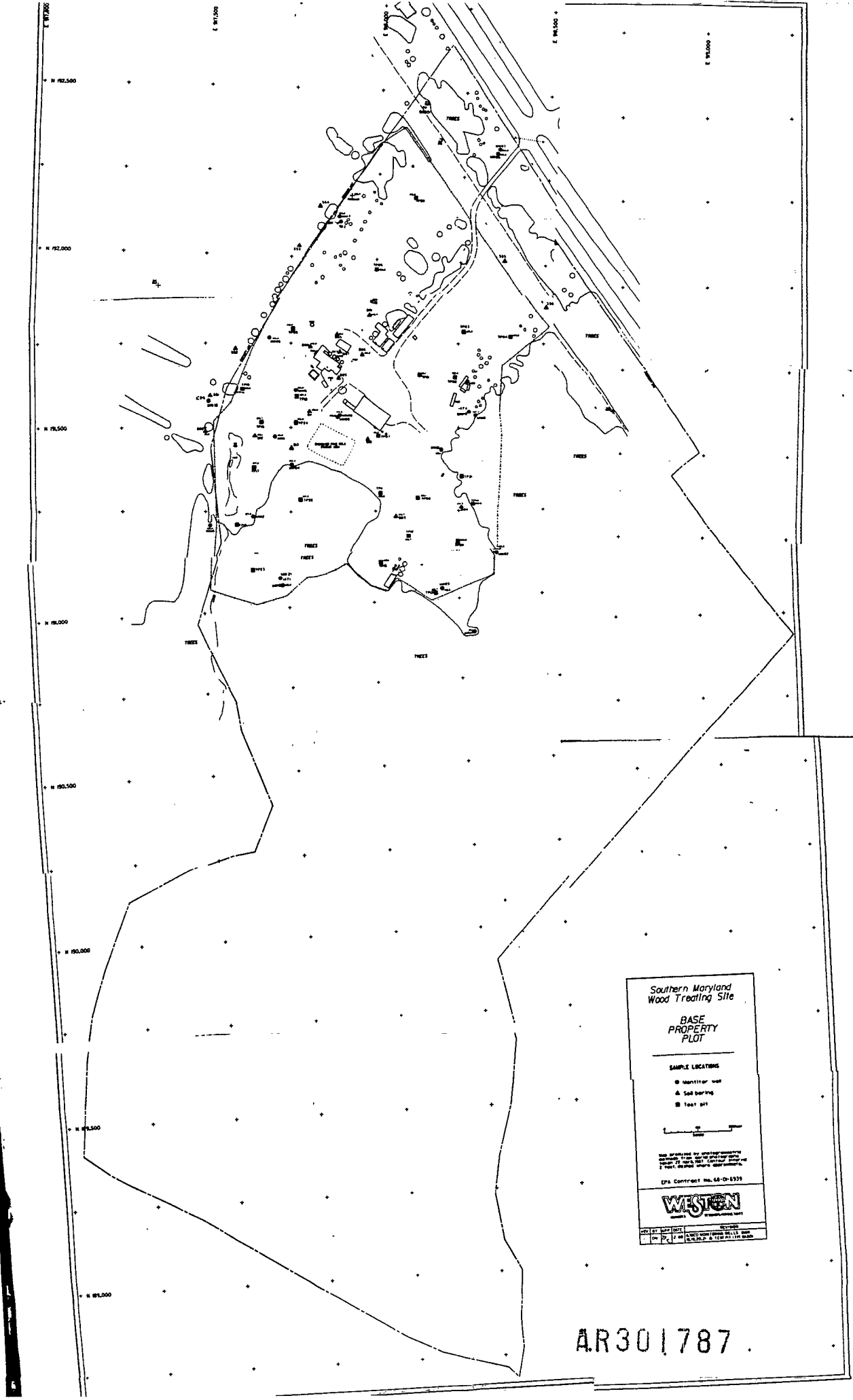
Wood Treating Site
TOPOGRAPHIC SURVEY
DEPICTING
SAMPLE LOCATIONS
(south sheet)
SAMPLE LOCATIONS
Monitor well
Soil boring
Test pit
EPA Contract No. 68-01-6939
WESTON
TREES
EXCAVATED POND SOILS STORAGE AREA


Southern Maryland
Wood Treating Site
TOPOGRAPHIC OVERLAY
ON
BASE PROPERTY PLOT
SAMPLE LOCATIONS
Monitor well
Soil boring
Test pit
EPA Contract No. 68-01-6939
WESTON

AR301786


Southern Maryland
Wood Treating Site
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PROPERTY
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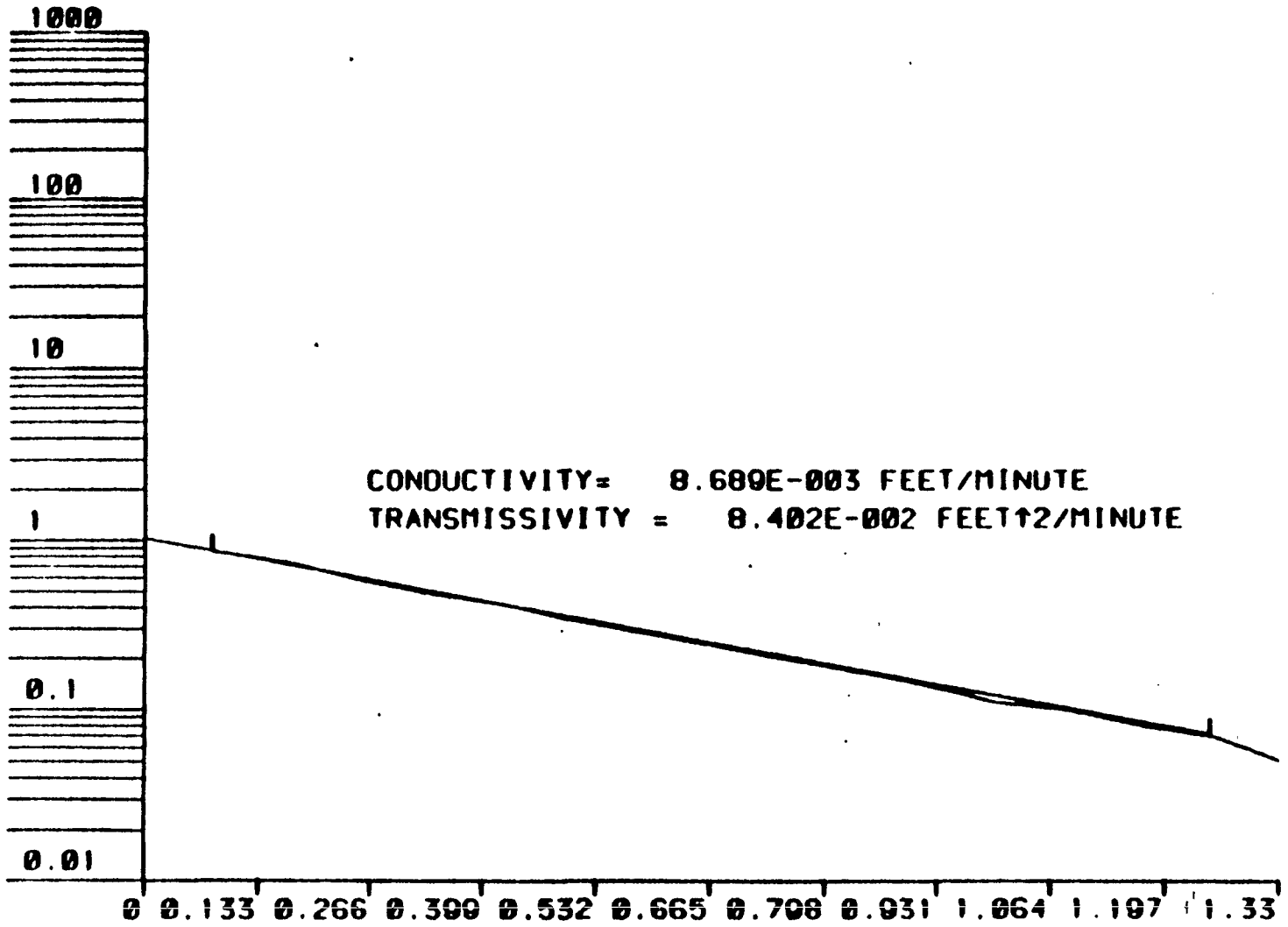
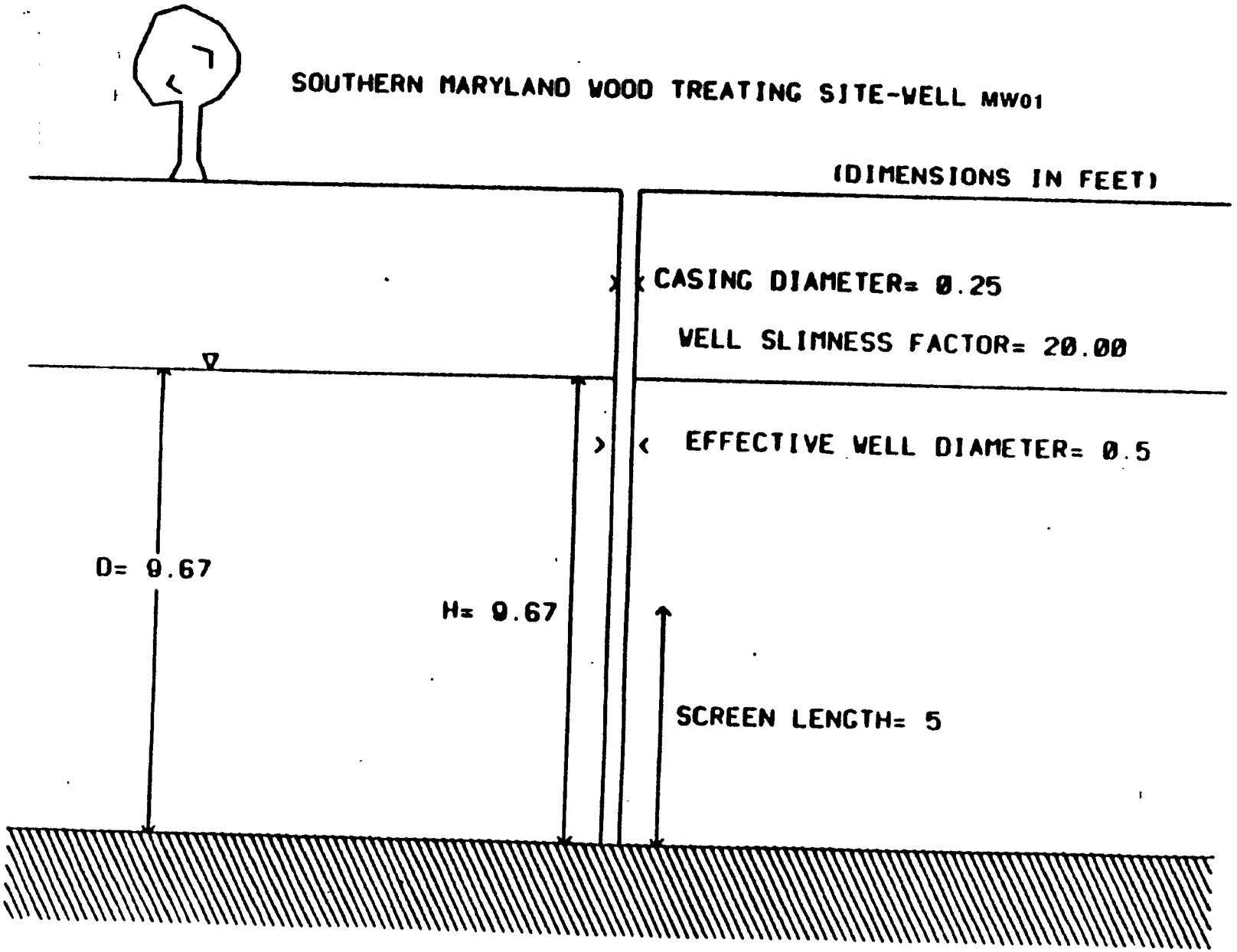
SAMPLE LOCATIONS
monitor well
soil boring
test pit
EPA Contract No. 68-01-6939
WESTON

Appendix D



SOUTHERN MARYLAND WOOD TREATING SITE-WELL MW01

D-1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EFFECTIVE WELL DIAMETER= 0.5
D= 0.67
H= 0.67
SCREEN LENGTH= 5

SOUTHERN MARYLAND WOOD TREATING SITE-WELL MW01

	'Y' READINGS	TIME (MINUTES)
1	0.86	0.08
2	0.73	0.17
3	0.59	0.25
4	0.49	0.33
5	0.42	0.42
6	0.34	0.5
7	0.29	0.58
8	0.24	0.67
9	0.2	0.75
10	0.17	0.83
11	0.14	0.92
12	0.11	1
13	0.1	1.08
14	0.08	1.17
15	0.07	1.25
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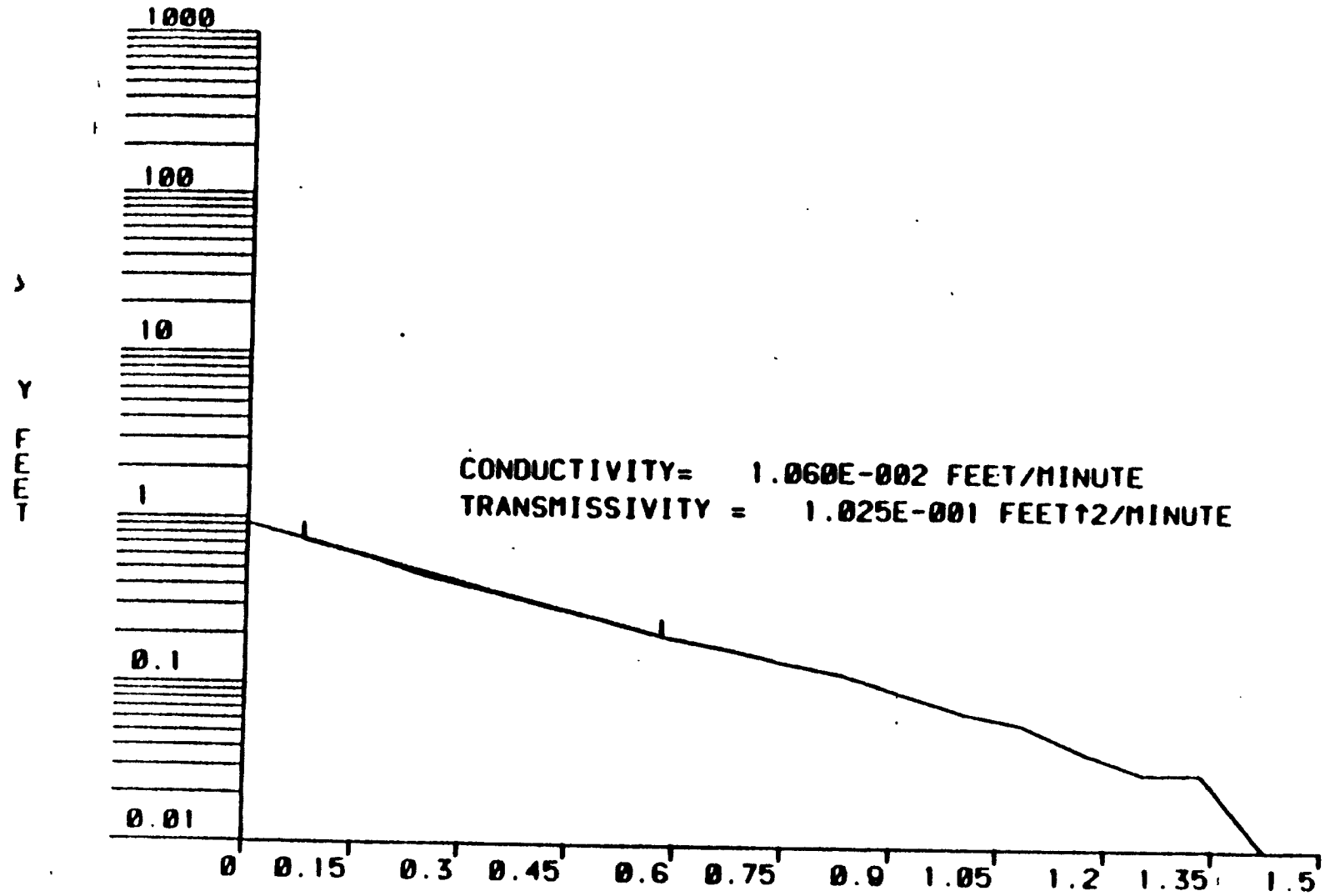

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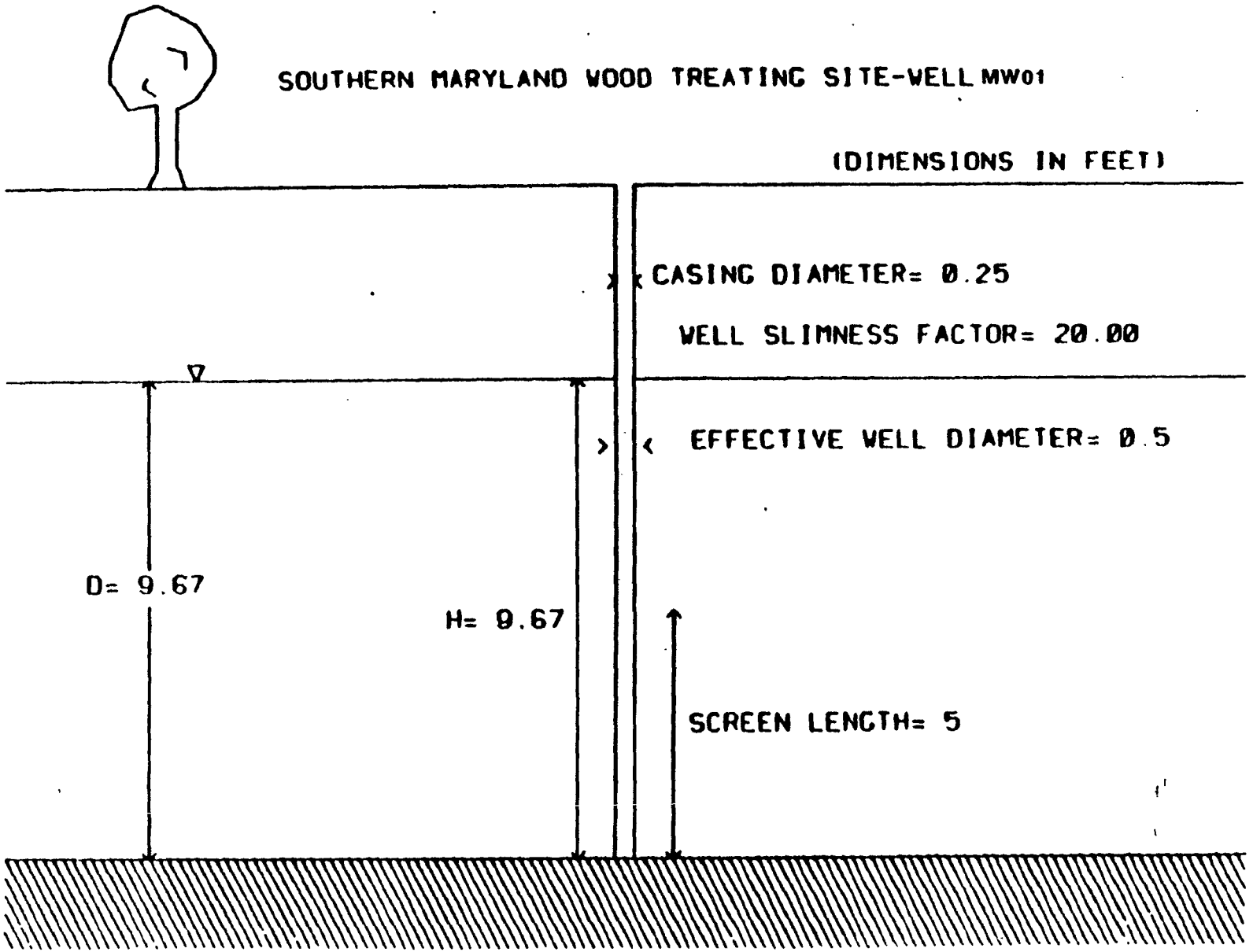
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EFFECTIVE WELL DIAMETER= 0.5
D= 9.67
H= 9.67
SCREEN LENGTH= 5

SOUTHERN MARYLAND WOOD TREATING SITE-WELL MW01

	'Y' READINGS	TIME (MINUTES)
1	0.74	0.08
2	0.59	0.17
3	0.45	0.25
4	0.38	0.33
5	0.3	0.42
6	0.25	0.5
7	0.2	0.58
8	0.17	0.67
9	0.14	0.75
10	0.12	0.83
11	0.09	0.92
12	0.07	1
13	0.06	1.08
14	0.04	1.17
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16	0.03	1.33
17	0.01	1.42
18	0.01	1.5
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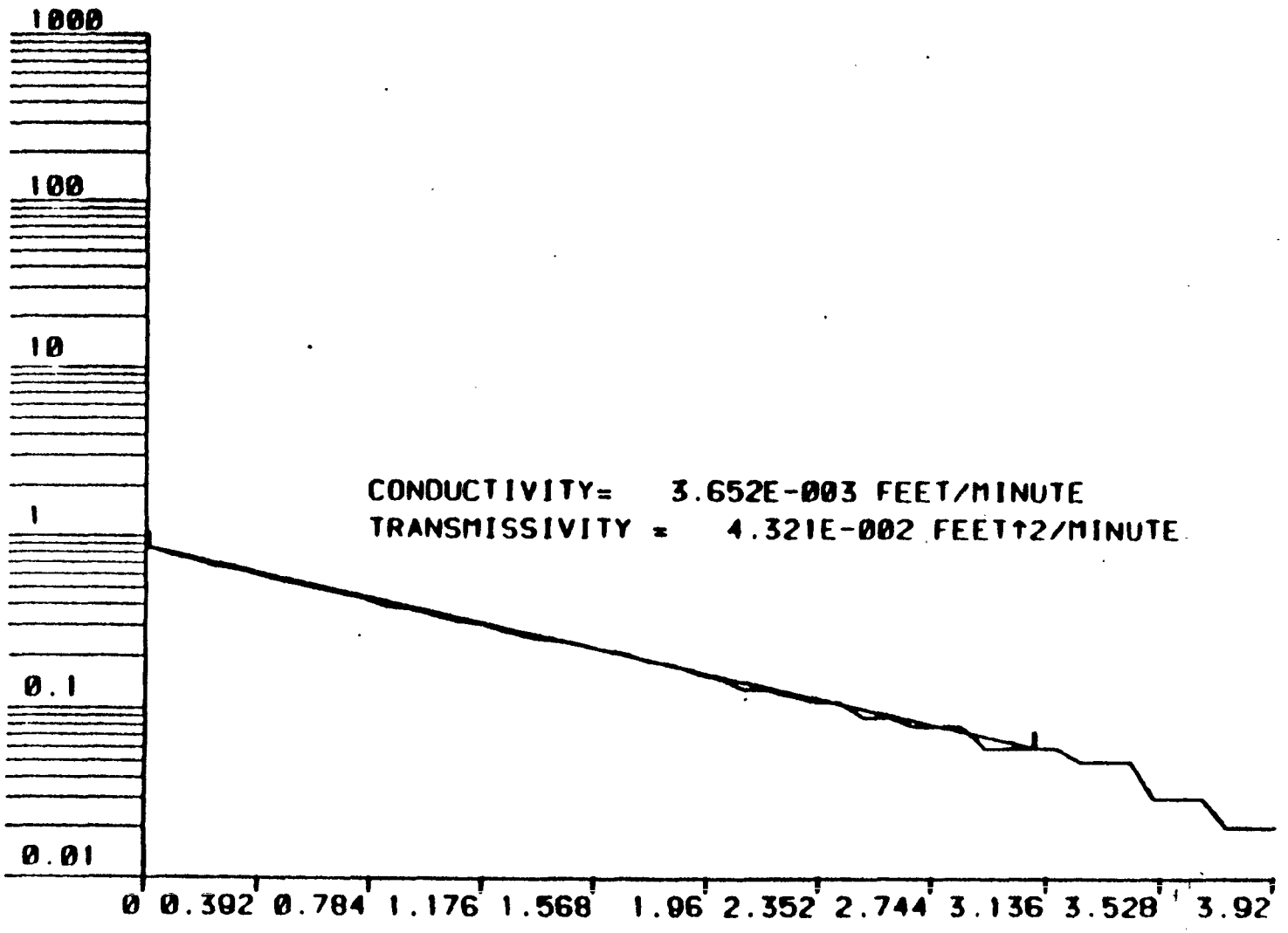

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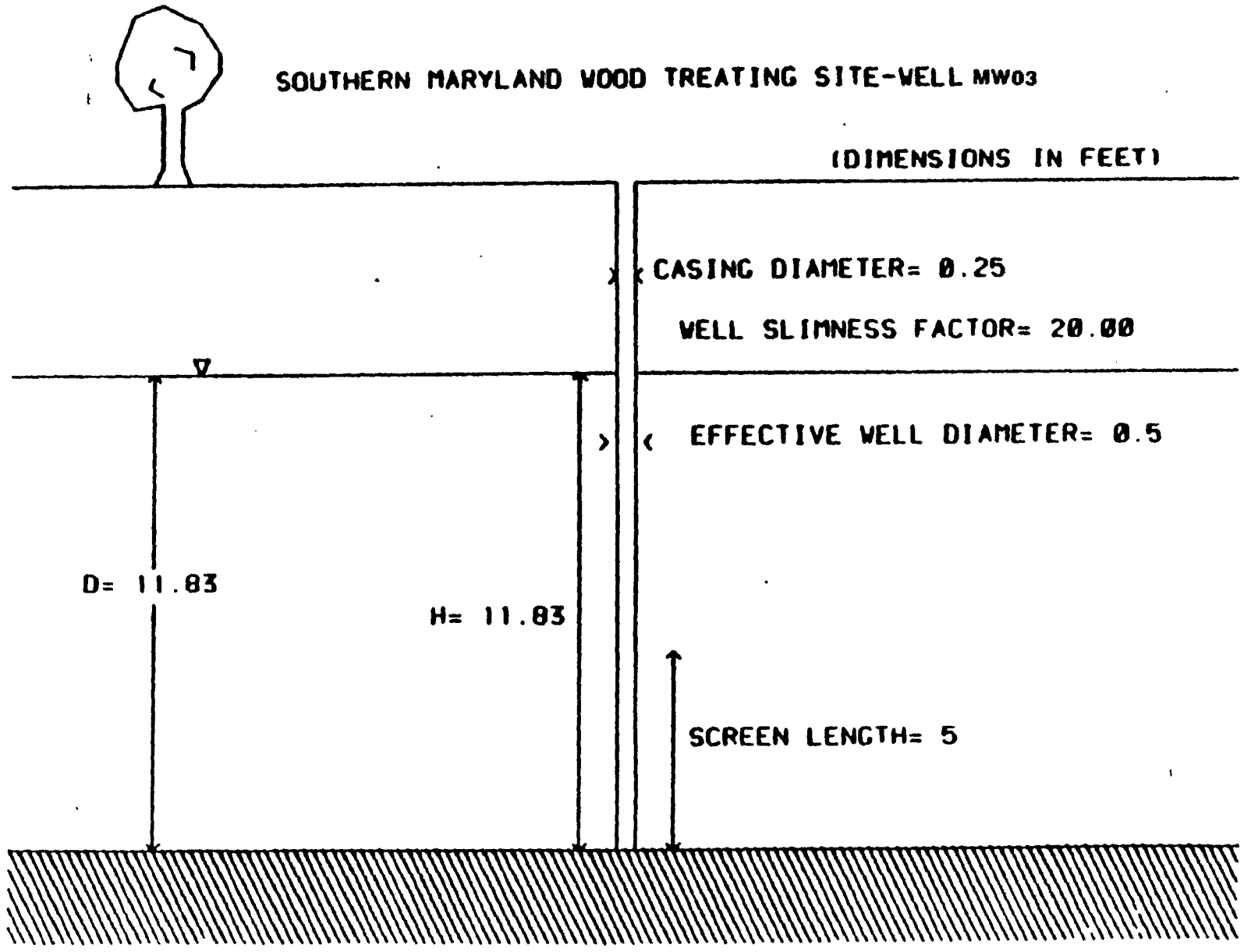
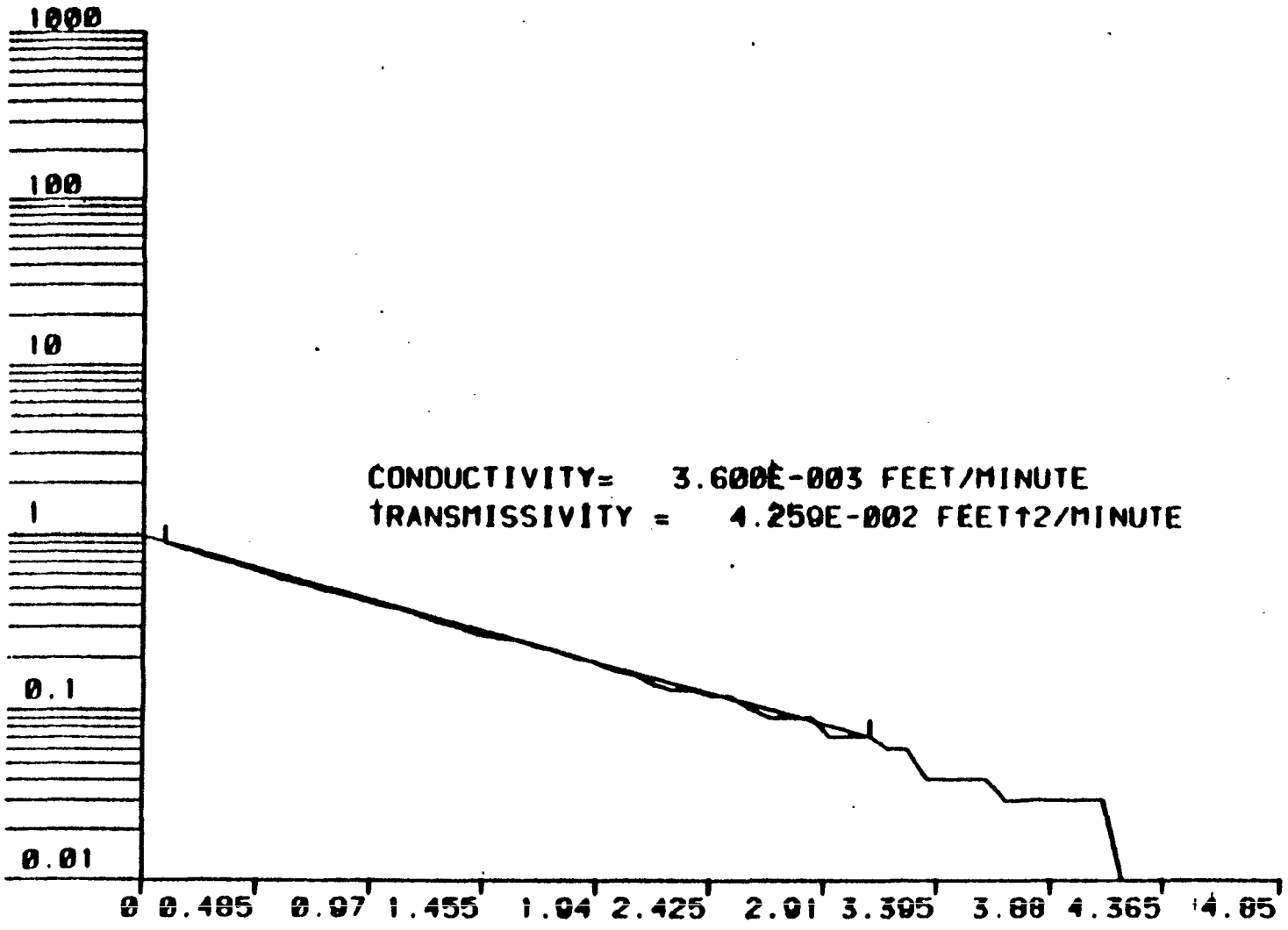

SOUTHERN MARYLAND WOOD TREATING SITE-WELL MW03
(DIMENSIONS IN FEET)
CASING DIAMETER= 0.25
WELL SLIMNESS FACTOR= 20.00
EFFECTIVE WELL DIAMETER= 0.5
D= 11.83
H= 11.83
SCREEN LENGTH= 5

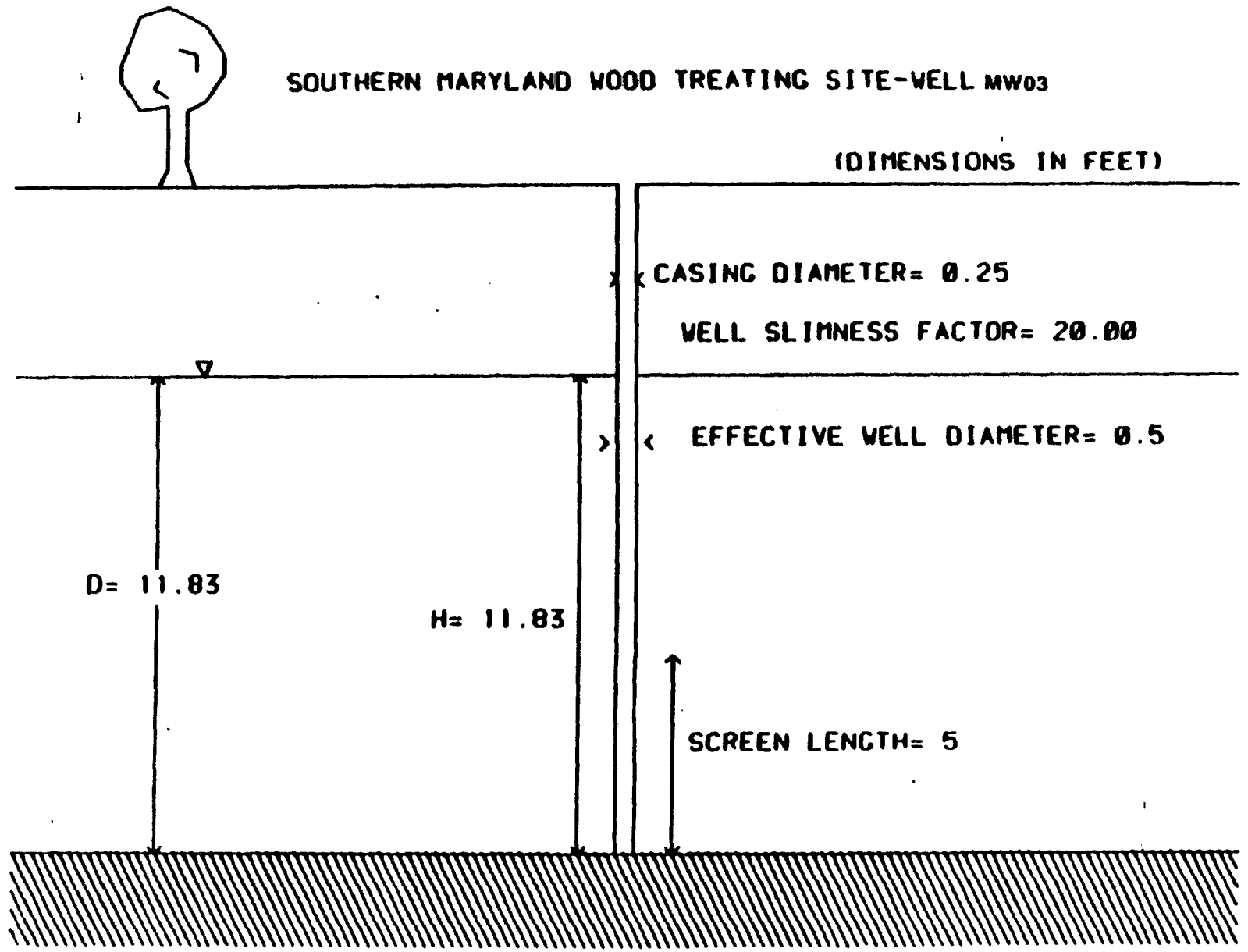
SOUTHERN MARYLAND WOOD TREATING SITE-WELL MW03

	'Y' READINGS	TIME (MINUTES)
1	0.86	0.01
2	0.78	0.09
3	0.73	0.17
4	0.67	0.25
5	0.63	0.34
6	0.58	0.42
7	0.54	0.5
8	0.5	0.59
9	0.47	0.67
10	0.44	0.75
11	0.39	0.84
12	0.38	0.92
13	0.35	1
14	0.32	1.09
15	0.31	1.17
16	0.28	1.25
17	0.26	1.34
18	0.25	1.42
19	0.24	1.5
20	0.22	1.59
21	0.21	1.67
22	0.19	1.75
23	0.18	1.84
24	0.16	1.92
25	0.15	2
26	0.13	2.09
27	0.13	2.17
28	0.12	2.25
29	0.11	2.34
30	0.11	2.42
31	0.09	2.5

32	0.00	2.59
33	0.08	2.67
34	0.08	2.75
35	0.08	2.84
36	0.06	2.92
37	0.06	3
38	0.06	3.09
39	0.06	3.17
40	0.05	3.25
41	0.05	3.34
42	0.05	3.42
43	0.03	3.5
44	0.03	3.59
45	0.03	3.67
46	0.02	3.75
47	0.02	3.84
48	0.02	3.92



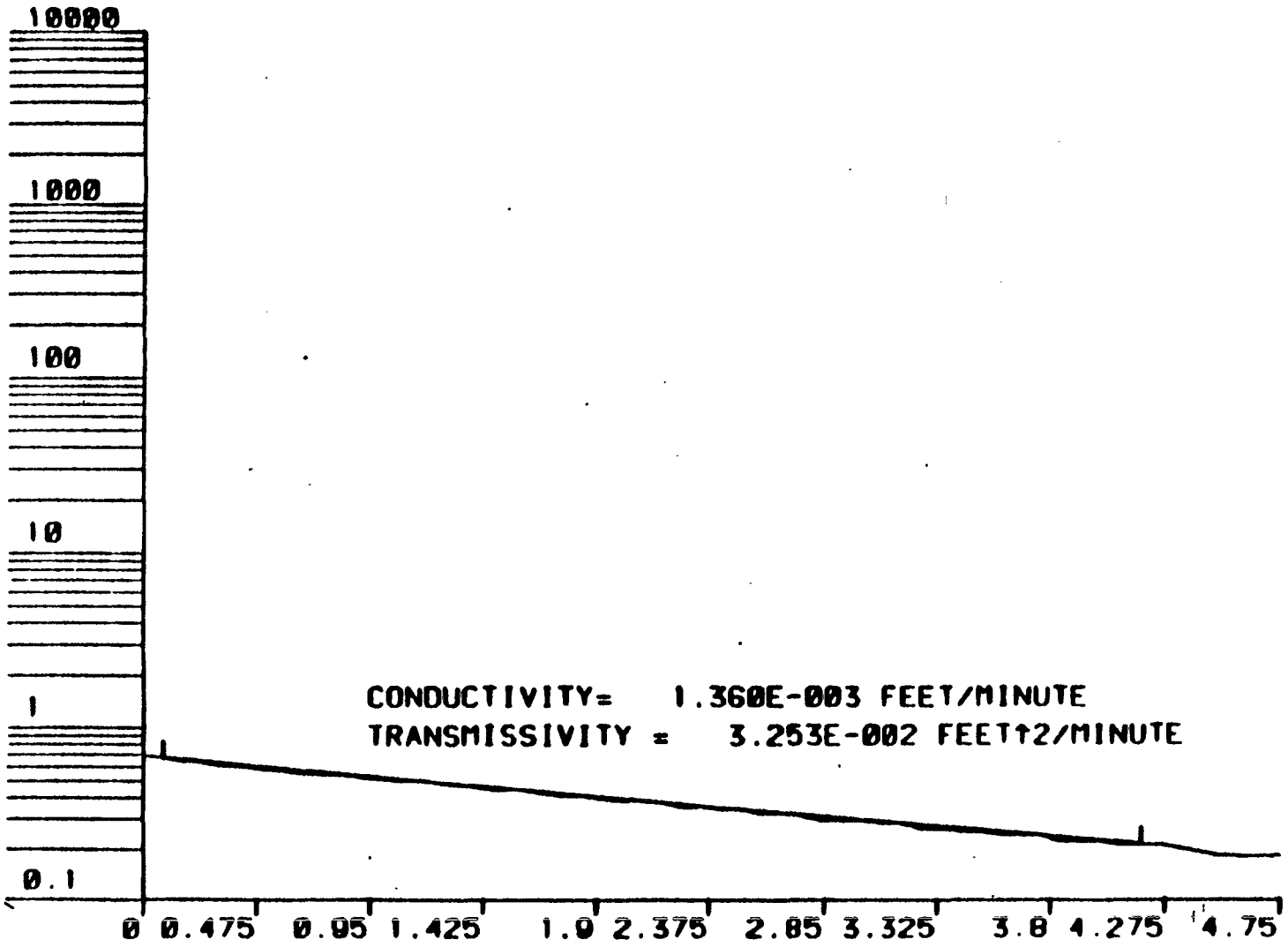
SOUTHERN MARYLAND WOOD TREATING SITE-WELL MW03


SOUTHERN MARYLAND WOOD TREATING SITE-WELL MW03
(DIMENSIONS IN FEET)
CASING DIAMETER= 0.25
WELL SLIMNESS FACTOR= 20.00
EFFECTIVE WELL DIAMETER= 0.5
D= 11.83
H= 11.83
SCREEN LENGTH= 5

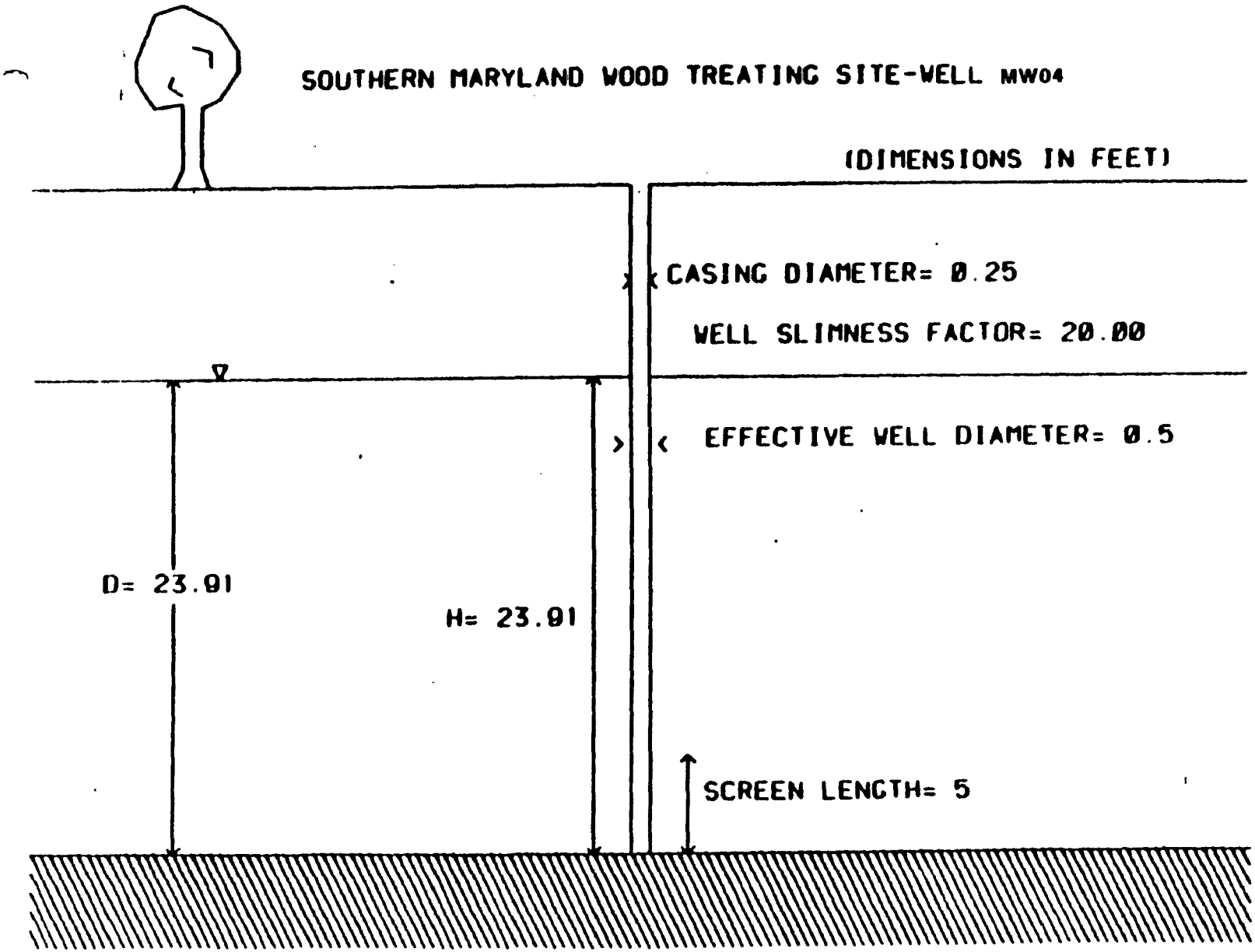
SOUTHERN MARYLAND WOOD TREATING SITE-WELL MW03

	'Y' READINGS	TIME (MINUTES)
1	0.91	0.00
2	0.84	0.17
3	0.77	0.26
4	0.71	0.35
5	0.66	0.43
6	0.61	0.51
7	0.56	0.6
8	0.53	0.68
9	0.49	0.76
10	0.46	0.85
11	0.43	0.93
12	0.4	1.01
13	0.38	1.1
14	0.35	1.18
15	0.32	1.26
16	0.3	1.35
17	0.27	1.43
18	0.26	1.51
19	0.25	1.6
20	0.23	1.68
21	0.22	1.76
22	0.2	1.85
23	0.19	1.93
24	0.17	2.01
25	0.16	2.1
26	0.14	2.18
27	0.13	2.26
28	0.13	2.35
29	0.12	2.43
30	0.12	2.51
31	0.1	2 6

32	0.00	2.68
33	0.00	2.76
34	0.00	2.85
35	0.07	2.93
36	0.07	3.01
37	0.07	3.1
38	0.06	3.18
39	0.06	3.26
40	0.04	3.35
41	0.04	3.43
42	0.04	3.51
43	0.04	3.6
44	0.03	3.68
45	0.03	3.76
46	0.03	3.85
47	0.03	3.93
48	0.03	4.01
49	0.03	4.1
50	0.01	4.18
51	0.01	4.26
52	0.01	4.35
53	0.01	4.43
54	0.01	4.51
55	0.01	4.6
56	0.01	4.68
57	0.01	4.76
58	0.01	4.85



SOUTHERN MARYLAND WOOD TREATING SITE-WELL MW04


SOUTHERN MARYLAND WOOD TREATING SITE-WELL MW04
(DIMENSIONS IN FEET)
CASING DIAMETER= 0.25
WELL SLIMNESS FACTOR= 20.00
EFFECTIVE WELL DIAMETER= 0.5
D= 23.91
H= 23.91
SCREEN LENGTH= 5

SOUTHERN MARYLAND WOOD TREATING SITE-WELL MW04

	'Y' READINGS	TIME (MINUTES)
1	0.67	0.08
2	0.65	0.17
3	0.64	0.25
4	0.61	0.33
5	0.6	0.42
6	0.58	0.5
7	0.57	0.58
8	0.55	0.67
9	0.54	0.75
10	0.54	0.83
11	0.52	0.92
12	0.51	1
13	0.5	1.08
14	0.5	1.17
15	0.48	1.25
16	0.47	1.33
17	0.45	1.42
18	0.44	1.5
19	0.44	1.58
20	0.42	1.67
21	0.41	1.75
22	0.41	1.83
23	0.39	1.92
24	0.38	2
25	0.38	2.08
26	0.37	2.17
27	0.35	2.25
28	0.35	2.33
29	0.34	2.42
30	0.34	2.5
31	0.32	2.58

32	0.32	2.67
33	0.31	2.75
34	0.29	2.83
35	0.29	2.92
36	0.29	3
37	0.28	3.08
38	0.28	3.17
39	0.26	3.25
40	0.26	3.33
41	0.25	3.42
42	0.25	3.5
43	0.24	3.58
44	0.24	3.67
45	0.24	3.75
46	0.22	3.83
47	0.22	3.92
48	0.22	4
49	0.21	4.08
50	0.21	4.17
51	0.21	4.25
52	0.2	4.33
53	0.19	4.42
54	0.18	4.5
55	0.18	4.58
56	0.18	4.67
57	0.18	4.75

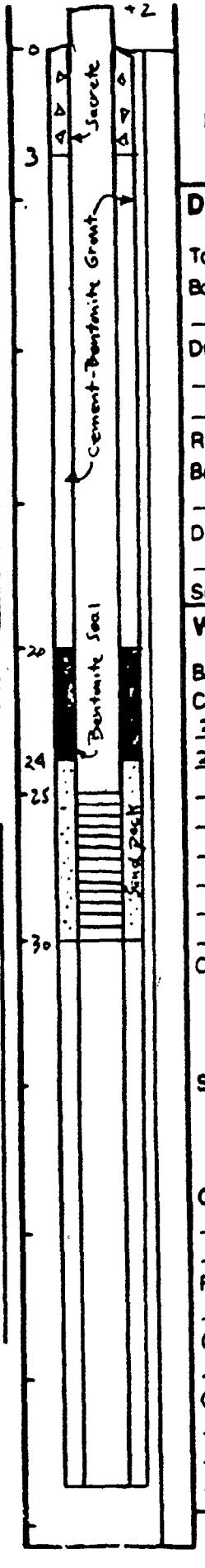
Appendix E

Well MW-6

Well Construction Summary

Location or Coords: _____ Elevation. Ground Level _____

Top of Casing _____



Project Southern Maryland Wood Treatment

Location Hollywood, MD.

Personnel K. Van Allen

Drilling Summary:

Total Depth Boring to 37.0', well @ 30.0'

Borehole Diameter ~11"

Driller Sam

Rig Mobil D-60

Bit(s) 3¼" ID x 6⅝" OD ∫
8" ID x 11" OD

Drilling Fluid None

Surface Casing _____

Well Design:

Basis: Geologic Log ✓ Geophysical Log ____

Casing String(s): C = Casing S = Screen

25'	30'	S			
25'	+2'	C			

Casing C1 4" ID PVC Riser, Sch 40 flush joint

C2 _____

Screen: S1 4" ID PVC, Sch 40, #10 continuous wound

S2 _____

Centralizers None

Filter Material Well sorted coarse sand

Cement Portland, type I

Other Bentonite - Super Gel X
Bentonite Pellets - ½" ø
Steel Protector - 6" ø x 5'

Construction Time Log:

Task	Start Date	Start Time	Finish Date	Finish Time
Drilling				
HSA	6/17	1000	6/18	0915
Well Const	6/18	0915	6/19	0800
Geophys Logging	—	—	—	—
Casing				
Filter Placement	6/18	0915	6/18	1345
Cementing	6/19	0730	6/19	0800
Development:	7/16	—	7/17	—
Other				

Well Development:

Developed MW-6 via submersible pump (Gould), removing aprox. 70 gal well water

Comments:

Aprox. 3½ hrs. spent on development. Well water fairly clear, no sediments noted in well.

WESTON

DRILLING LOG

WELL NUMBER: MW-6 OWNER:
LOCATION ADDRESS: SMWT, Hollywood, MD.
TOTAL DEPTH: 37.0'
SURFACE ELEVATION: WATER LEVEL:
DRILLING COMPANY: Harding-Hulcert DRILLING METHOD: HSA DATE DRILLED: 6/17/86
DRILLER: Sam HELPER: Brian, Jeff
LOG BY: KYA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0					Brn silty fine sand, poorly graded, loose, damp SP-SM
3.0		01	SS	2 3 6	Brn. f gr. clayey silt to silty fine sand, poorly graded, loose, damp ML-SM
		02	SS	2 2 2	
11.0					White silty clay, trace fine sand, medium to stiff, medium plasticity, moist. CL
13.5					
14.1		03	SS	5 6 6	Brn. clayey silt, trace fine sand, non plastic, medium dense, moist. ML
					Brn f gr. silty clay, trace fine sand, stiff, medium plasticity, moist CL
17.0					Orange brn medium to fine sand, trace silt, poorly graded, medium dense, moist to wet SP
		04	SS	10 8 8	

* ASTM D1586

DRILLING LOG

WELL NUMBER: MW-6 OWNER:
LOCATION ADDRESS SMWT, Hollywood, MD.
TOTAL DEPTH 37.0'
SURFACE ELEVATION: WATER LEVEL:
DRILLING COMPANY: Harding-Hubert DRILLING METHOD: HSA DATE DRILLED 6/17/86
DRILLER Sam HELPER Brian, Jeff
LOG BY: KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
20.5		C5	SS	1 4 6	Orange brn silty medium to fine sand, poorly graded, medium dense saturated. SM
		C6	SS	3 4 7	
27.2		C7	SS	3 3 5 7	Brn coarse to fine sand, trace silt, well graded, medium dense, saturated. SW
30.5		C8	SS	7 3 5	Yellow brn silty clay, trace fine sand, stiff, medium plasticity, moist, CL-CH
32.0		C9	SS	2 2 2	Yellow brn & gr. silty clay, trace fine sand, stiff, high plasticity, moist, CL-CH
35		C10	SS	2 2 3	
		C11	SS	2 3 3	Dark gr. silty clay, trace course to fine sand, medium to stiff, high plasticity, moist CH-OH
37.0					End of boring @ 37.0'

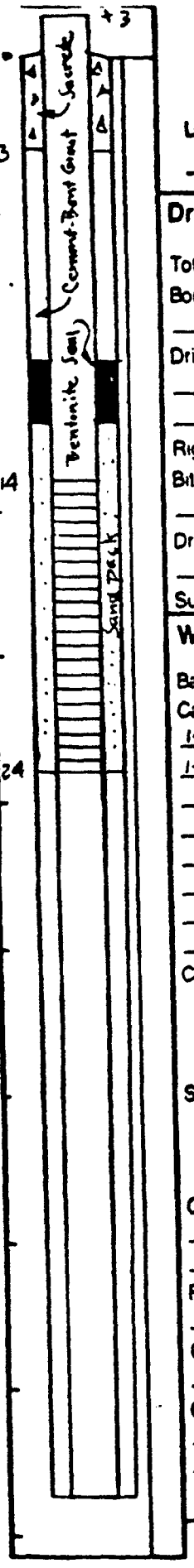
* ASTM D1586

Well MW-7

Well Construction Summary

Location or Coords: _____ Elevation. Ground Level _____

Top of Casing _____



Project Southern Maryland Wood Treatment

Location Hollywood, MD.

Personnel Kiven Aiken

Drilling Summary:

Total Depth 24.5'

Borehole Diameter ~11"

Driller Sam

Rig Mobil D-60

Bit(s) 3¼" ID x 6⅝" OD ⅇ
8" ID x 11" OD

Drilling Fluid None

Surface Casing _____

Well Design:

Basis: Geologic Log ✓ Geophysical Log ___

Casing String(s): C = Casing S = Screen

14'	-	24'	S	___	-	___	
14'	-	+2'	C	___	-	___	
___	-	___	___	___	-	___	
___	-	___	___	___	-	___	
___	-	___	___	___	-	___	
___	-	___	___	___	-	___	
___	-	___	___	___	-	___	
___	-	___	___	___	-	___	

Casing C1 4" ID PVC Riser, Sch 40, flush joint

C2 _____

Screen: S1 4" ID PVC, Sch 40, #10 continuous wound

S2 _____

Centralizers None

Filter Material Well sorted coarse sand

Cement Portland, type I

Other Bentonite - Super Gel X
Bentonite Pellets - ½" ⌀
Steel Protector - 6" ⌀ x 5'

Construction Time Log:

Task	Start Date	Start Time	Finish Date	Finish Time
Drilling				
HSA	6/19	0900	6/19	1030
Well Const.	6/19	1030	6/20	0730
___	___	___	___	___
Geophys Logging	___	___	___	___
Casing				
___	___	___	___	___
___	___	___	___	___
___	___	___	___	___
Filter Placement	6/19	1030	6/19	1330
Cementing	6/20	0600	6/20	0730
Development:	7/17	—	7/18	—
Other				
___	___	___	___	___
___	___	___	___	___
___	___	___	___	___
___	___	___	___	___
___	___	___	___	___

Well Development:

Developed MW-7 via submersible pump (Gould), removing aprox 110 gal.

Comments:

Aprox. 2½ hrs spent on development. Well water fairly clear. No sediments noted in well

WESTON

Well MW-8

Well Construction Summary

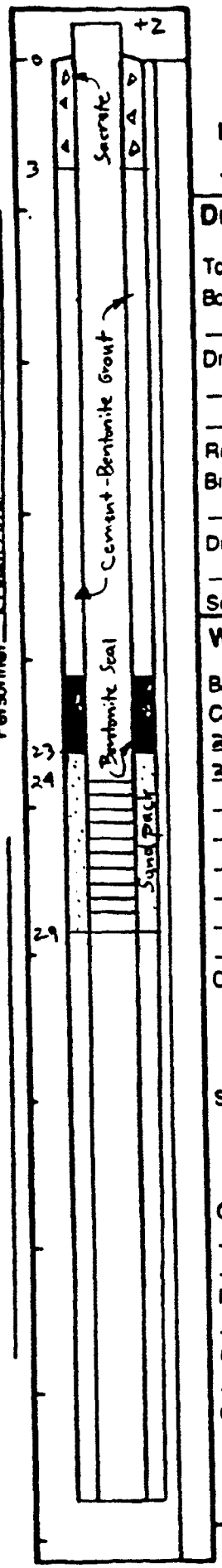
Location or Coords: _____ Elevation. Ground Level _____

Top of Casing _____

Project Southern Maryland Wood Treatment

Location Hollywood, MD.

Personnel K. Van Alen



Drilling Summary:

Total Depth Borehole to 30.5', well @ 29.0'

Borehole Diameter ~11"

Driller Sam, Tim

Rig Mobil D-60

Bit(s) 3¼" ID x 6⅜" OD ξ
8" ID x 11" OD

Drilling Fluid None

Surface Casing _____

Well Design:

Basis: Geologic Log ✓ Geophysical Log ____

Casing String(s): C = Casing S = Screen

24'	29'	S			
24'	+2	C			

Casing C1 4" ID PVC Riser, Sch. 40, flush joint

C2 _____

Screen: S1 4" ID PVC, Sch. 40, #10 continuous wound

S2 _____

Centralizers None

Filter Material Well Sorted coarse sand

Cement Portland, Type I

Other Bentonite - Super Gel X
Bentonite Pellets - ½" ø
Steel Protector - 6" ø x 5'

Construction Time Log:

Task	Start Date	Start Time	Finish Date	Finish Time
Drilling				
HSA	6/20	1030	6/20	1230
HSA	6/24	0630	6/24	0800
Well Const.	6/24	0800	6/25	0800
Geophys Logging				
Casing				
Filter Placement	6/24	0800	6/24	1000
Cementing	6/24	1200	6/24	1600
Development.	7/21		7/21	
Other.				

Well Development:

Developed MW-8 via stainless steel bailer, removing aprox. ____ gal

Comments:

Aprox ____ hrs. spent on development
Well water appears contaminated, majority of silt removed from formation. No sediments noted in well.

WESTON

DRILLING LOG

WELL NUMBER. MW-8 OWNER:
LOCATION ADDRESS SMWT, Hollywood, MD.
TOTAL DEPTH 30.5'
SURFACE ELEVATION. WATER LEVEL:
DRILLING COMPANY Harding-Hubert DRILLING METHOD: HSA DATE DRILLED 6/20/86
DRILLER Sam, Tim HELPER. Brian, Jeff
LOG BY. KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		01	SS	18 15 13	Brn clayey to sandy silt, poorly graded, medium dense, dry ML-SM
2.4					Rust to orange brn medium to fine sand, poorly graded, medium dense, damp. SP
		02	SS	9 9 11	
		03	SS	11 14 18	
		04	SS	6 8 4	Moist to wet below 14.0'
					Saturated below 17.5'
		05	SS	7 12 16	

* ASTM D1586

DRILLING LOG

WELL NUMBER: MW-8 OWNER:
LOCATION: ADDRESS: SMWT, Hollywood, MD.
TOTAL DEPTH: 30.5'
SURFACE ELEVATION: WATER LEVEL:
DRILLING COMPANY: Harding-Hubert DRILLING METHOD: HSA DATE DRILLED: 6/20/86
DRILLER: Sam, Tim HELPER: Brian, Jeff
LOG BY: KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
		05	SS		Rust to orange brn medium to fine sand, poorly graded, medium dense, saturated SP
22.3					
		06	SS	25 31 35	Rust to orange brn medium to fine sand, little silt, poorly graded, very dense, suturated. SP-SM
26.0					
		07	SS	89 50 -	Rust to orange brn. medium to fine sand, trace silt, poorly graded, very dense, saturated, appears contaminated SP
28.5					
		08	SS	2 2 1	Yellow brn & gr. silty clay, trace fine sand, medium, medium plasticity, moist. CL-CH
30.5					End of boring @ 30.5'

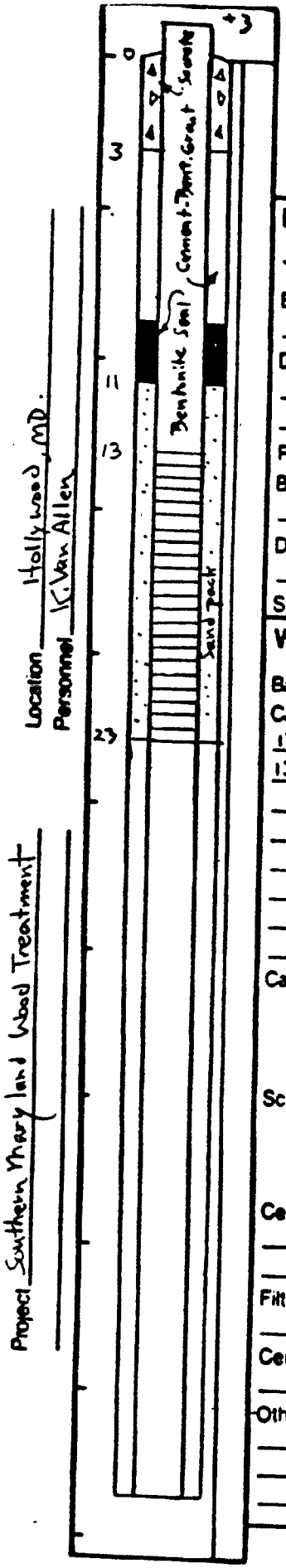
* ASTM D1586

Well MW-9

Well Construction Summary

Location or Coords: _____ Elevation. Ground Level _____

Top of Casing _____



Drilling Summary:

Total Depth Borings to 29.0', Well @ 23.0'

Borehole Diameter ~11"

Driller Tim Jackson

Rig Mobil D-60

Bit(s) 3 1/4" ID x 6 3/8" OD & 8" ID x 11" OD

Drilling Fluid None

Surface Casing _____

Well Design:

Basis: Geologic Log ✓ Geophysical Log ___

Casing String(s): C = Casing S = Screen

13'	23'	S			
13'	+3	C			

Casing C1 4" ID PVC Riser, Sch 40, flush joint

C2 _____

Screen: S1 4" ID PVC, Sch 40, #10 Continuous Wound

S2 _____

Centralizers None

Filter Material Well Sorted Coarse Sand

Cement Portland, Type I

Other Bentonite - Super Gel X
Granulated Bentonite (slurry)
Steel Protector - 6" ø x 5'

Construction Time Log:

Task	Start Date	Start Time	Finish Date	Finish Time
Drilling				
HSA	6/26	1330	6/26	1545
HSA	6/27	0600	6/27	0800
Well Const	6/27	0900	6/27	1100
Geophys Logging				
Casing				
Filter Placement	6/27	0800	6/27	0900
Cementing	6/27	1000	6/27	1105
Development:	7/21	—	7/22	—
Other				

Well Development:

Development of MW-9 done by use of stainless steel bailer. Removed aprox. _____ gal.

Comments:

Aprox. _____ hrs. was spent on development. Well water appeared fairly clear, & no sediments were noted in the well.

WESTON

Well MW-10

Well Construction Summary

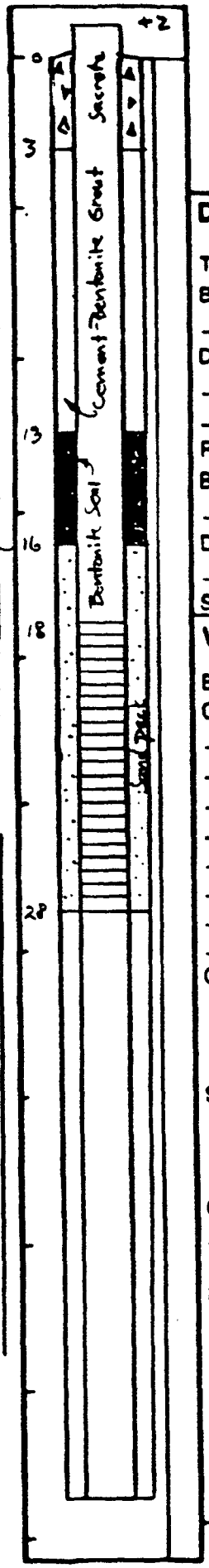
Location or Coords: _____ Elevation: Ground Level _____

Top of Casing _____

Project Southern Maryland Wood Treatment

Location Hollywood, MD.

Personnel Tracy La Coste



Drilling Summary:

Total Depth Boring to 30.0' Well @ 28.0'

Borehole Diameter ~11"

Driller Tim Jackson

Rig Mobil D-60

Bit(s) 3¼" ID x 6⅝" OD &
8" ID x 11" OD

Drilling Fluid None

Surface Casing _____

Well Design:

Basis: Geologic Log ✓ Geophysical Log ___

Casing String(s): C = Casing S = Screen

18'	28	S			
18'	+2'	C			

Casing C1 4" ID PVC Riser, Sch 40, Flush joint

C2 _____

Screen: S1 4" ID PVC, Sch 40, #10 Continuous wound

S2 _____

Centralizers None

Filter Material Well Sorted coarse sand

Cement Portland, Type I

Other Pentonite - Super Gel x
Granulated Bentonite (slurry)
Steel Protector - 6" ϕ x 5'

Construction Time Log:

Task	Start Date	Start Time	Finish Date	Finish Time
Drilling				
HSA	6/28	0655	6/28	1020
HSA	6/28	1740	6/28	1630
Well Const.	6/28	1835	6/29	0945
Geophys Logging	—	—	—	—
Casing	—	—	—	—
	—	—	—	—
	—	—	—	—
	—	—	—	—
Filter Placement	6/28	1835	6/28	1925
Cementing	6/29	0600	6/29	0945
Development:	7/19	—	7/21	—
Other				
	—	—	—	—
	—	—	—	—
	—	—	—	—
	—	—	—	—
	—	—	—	—

Well Development:

Development of MW-10 via pvc bailer.
Removed aprox. 55 gal.

Comments:

Aprox. 2 hrs. was spent on development. Well water appeared reasonably clear of sediment. No sediment noted in well.

WESTON

DRILLING LOG

WELL NUMBER: MW-10
LOCATION: _____
OWNER: _____
ADDRESS: SMWT, Hollywood, MD.
TOTAL DEPTH: 30.0'
SURFACE ELEVATION: _____
WATER LEVEL: _____
DRILLING COMPANY: Harding-Hubert
DRILLING METHOD: HSA
DATE DRILLED: 6/28/86
DRILLER: Jim
HELPER: Brian, Jeff
LOG BY: T. La Costa

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		01	SS	4 6 8	Light brn fine sand & silt, poorly graded, medium dense, dry SM-ML
3.0					Pale gr & orange brn medium to fine sand, trace silt, poorly graded, medium dense, dry. SP
		02	SS	14 16 19	
8.0					Pale gr silty clay, trace to little fine sand, stiff, medium to high plasticity, moist CL-CH
		03	SS	5 7 8	
		04	SS	6 9 13	
0					Pale gr medium to fine sand, trace silt, poorly graded, medium dense, moist SP

*ASTM D1586

SHEET ___ OF ___

WOODWARD-CLYDE

DRILLING LOG

WELL NUMBER: MW-10 OWNER:
LOCATION: ADDRESS: SMWT, Hollywood, MI
TOTAL DEPTH: 30.0'
SURFACE ELEVATION: WATER LEVEL:
DRILLING COMPANY: Harding-Hubert DRILLING METHOD: HSA DATE DRILLED: 6/28/86
DRILLER: Jim HELPER: Brian, Jeff
LOG BY: T La Costa

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
		05	SS	6 10 9	Tule yr medium to fine sand, trace silt, poorly graded, medium dense, moist to wet. SP
23.0					Orange brn medium sand, little silt, poorly graded, dense, saturated SP-SM
		06	SS	20 34 21	
26.5		07	SS	50	Orange brn medium to coarse sand, trace fine gravel, poorly graded, dense, saturated SP
27.0					
28.0		08	SS	12 27 8	Orange brn. medium to coarse sand, little gravel, trace silt, poorly graded, medium dense, saturated. SP
		09	SS	7 6 5	
30					Drk. gr. silty clay, trace fine sand, stiff, high plasticity, moist CH-OH
					End of boring @ 30.0'

* ASTM D1586

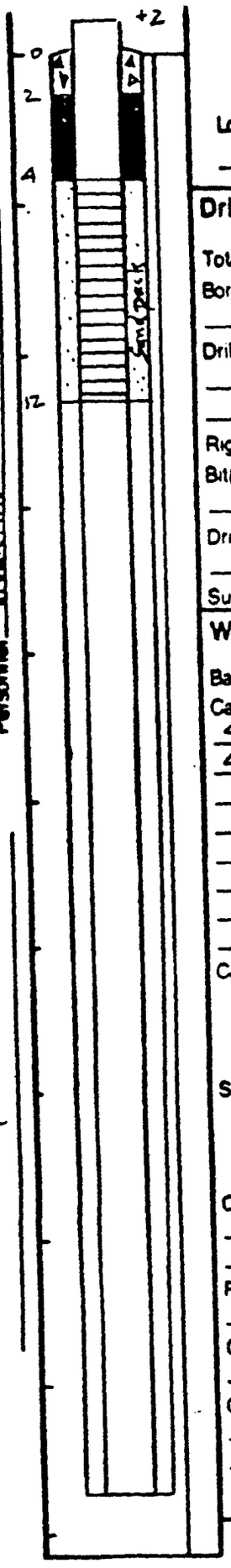
SHEET 1 OF 1

Well MW-11

Well Construction Summary

Location or Coords: _____ Elevation. Ground Level _____

Top of Casing _____



Location Hollywood, MD.
Personnel Ryan Allen - Julie Vann
Project Southern Maryland Wood Treatment

Drilling Summary:

Total Depth 120'
Borehole Diameter ~11"
Driller Tim Jackson
Rig Mobil D-60
Bit(s) 3¼" ID x 6 5/8" OD &
8" ID x 11" OD
Drilling Fluid None
Surface Casing _____

Well Design:

Basis: Geologic Log ✓ Geophysical Log ___

Casing String(s): C = Casing S = Screen

4'	12'	S			
4'	+2'	C			

Casing C1 4" ID PVC Riser, Sch 40, Flush joint
C2 _____

Screen: S1 4" ID PVC, Sch 40, #10 Continuous Wound
S2 _____

Centralizers None

Filter Material Well Sorted coarse Sand

Cement Portland, Type I

Other Bentonite - Super Gel X
Bentonite Pellets - ½" ø
Steel Protector - 6" ø x 5'

Construction Time Log:

Task	Start Date	Start Time	Finish Date	Finish Time
Drilling				
HSA	6/29	1115	6/29	1500
HSA	6/30	0700	6/30	0745
Well Const	6/30	0745	6/30	1015
Geophys Logging	—	—	—	—
Casing				
Filter Placement	6/30	0745	6/30	1015
Cementing	7/2	1030	7/2	1100
Development	7/22	-	7/22	-
Other				

Well Development:

Development of MW-11 done by pvc bailer. Removed aprox 25 gal.

Comments:

Aprox. 1 hr. was spent on MW-11. Well water was contaminated but was relatively clear of sediments

WESTON

DRILLING LOG

WELL NUMBER: MW-11 OWNER:
LOCATION: ADDRESS: SMWT, Hollywood, MD.
TOTAL DEPTH: 12.0'
SURFACE ELEVATION: WATER LEVEL:
DRILLING COMPANY: Harding-Hubert DRILLING METHOD: HSA DATE DRILLED: 6/29/86
DRILLER: Tim HELPER: Brian, Jeff
LOG BY: J. Vann

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		01	SS	5 10 8	Red brn clayey medium to coarse sand, medium plasticity, moist SC
		02	SS	11 12 16	
4.0		03	SS	13 18 15	
4.6		04	SS	8 8 15	Brn. silty clay, little sand, stiff medium plasticity, moist CL
		05	SS	16 23 26 32	Blk. & gr. brn coarse sand, some clay, low to medium plasticity, medium dense, mottled, wet to saturated SC
9.0					Orange brn silty to clayey medium to fine sand, poorly graded, medium plasticity, saturated SC-SM
12.0					End of boring @ 12.0'

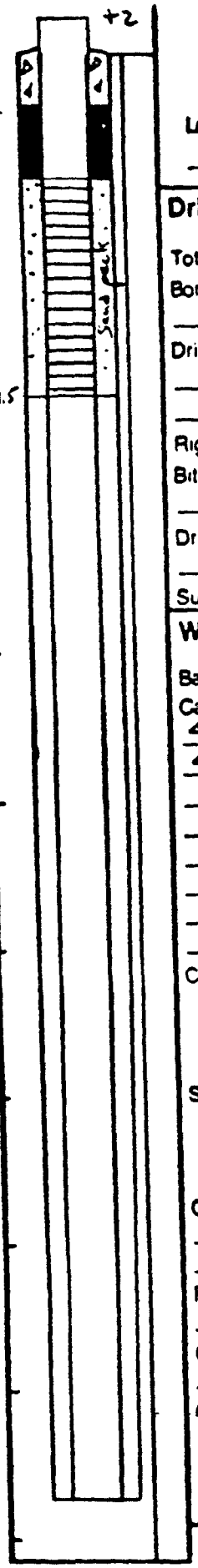
*ASTM D1586

Well MW-12

Well Construction Summary

Location or Coords: _____ Elevation. Ground Level _____

Top of Casing _____



Location Hollywood, MD.
Personnel K. Van Allen
Project Southern Maryland Wood Treatment

Drilling Summary:

Total Depth Boring to 12.0', well @ 11.5'
Borehole Diameter ~11"
Driller Tim Jackson
Rig Mobil D-60
Bit(s) 3¼" ID x 6⅝" OD & 8" ID x 11" OD
Drilling Fluid None
Surface Casing _____

Well Design:

Basis: Geologic Log ✓ Geophysical Log ____

Casing String(s): C = Casing S = Screen

4'	11½'	S			
4'	+2'	C			

Casing C1 4" ID PVC Riser, sch 40, flush joint
C2 _____

Screen: S1 4" ID PVC, sch 40, #10 Continuous wound
S2 _____

Centralizers None

Filter Material Well sorted coarse sand

Cement Portland, type I

Other Bentonite - Super Gel X
Granulated Bentonite (slurry)
Steel Protector - 6" ø x 5'

Construction Time Log:

Task	Start Date	Start Time	Finish Date	Finish Time
Drilling HSA	6/30	1400	6/30	1610
Well Const	7/1	0630	7/1	0830
Geophys Logging				
Casing				
Filter Placement	7/1	0700	7/1	0730
Cementing	7/2	1100	7/2	1130
Development	7/22	-	7/22	-
Other				

Well Development:

Development on MW-12 done by stainless steel bailer Removed aprox 5 gal

Comments:

Aprox. ___ hrs. spent on development Well water relatively free of sediments, no sediment noted in well.

WESTON

DRILLING LOG

WELL NUMBER: MW-12 OWNER:
LOCATION: ADDRESS: SMWT, Hollywood, MD.
TOTAL DEPTH: 12.0'
SURFACE ELEVATION: WATER LEVEL:
DRILLING COMPANY: Harding-Hubert DRILLING METHOD: HSA DATE DRILLED: 6/30/86
DRILLER: Tim HELPER: Brian, Jeff
LOG BY: KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		01	SS	100	Drk red silty medium to fine sand, poorly graded, cemented, appears contaminated, dry. SM
		02	SS	100	
4.0		03	SS	6 26 42 50	Brn & blk silty coarse to fine sand, poorly graded, very dense, appears contaminated, saturated. SM
		04	SS	100	
		05	SS	12 22 45 48	
11.0		06	SS	15 9 7 8	
11.4					Yellow brn clayey to silty coarse to fine sand, poorly graded, medium dense, mottled, saturated. SM
12.0					Yellow brn. silty clay, trace fine sand, stiff, medium plasticity, moist CL-CH
					End of boring @ 12.0'

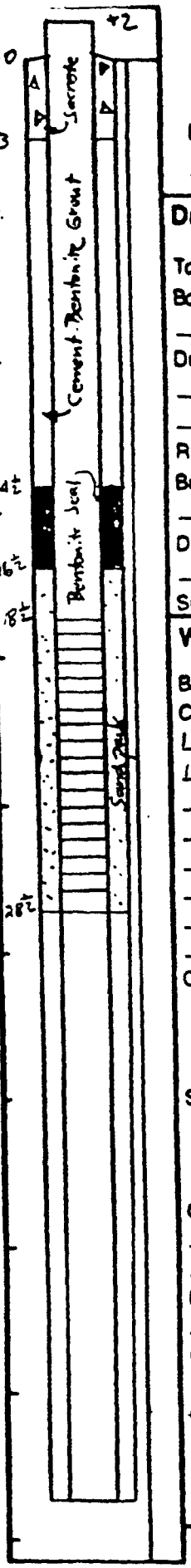
*ASTM D1586

Well MW-13

Well Construction Summary

Location or Coords: _____ Elevation. Ground Level _____

Top of Casing _____



Location Hollywood, MD.
Personnel K. Van Allen
Project Southern Maryland Wood Treatment

Drilling Summary:

Total Depth Boring @ 31.5', Well @ 28.5'
Borehole Diameter ~11"
Driller Tim Jackson
Rig Mobil D-60
Bit(s) 3¼" ID x 6 5/8" OD &
8" ID x 11" OD
Drilling Fluid Water
Surface Casing _____

Well Design:

Basis: Geologic Log ✓ Geophysical Log ____
Casing String(s): C = Casing S = Screen

18½	28½	S			
18½	+2	C			

Casing C1 4" ID PVC Riser, Sch 40, flush joint
C2 _____
Screen: S1 4" ID PVC, Sch 40, #10 Continuous wound
S2 _____
Centralizers None
Filter Material Well sorted coarse sand
Cement Portland, type I
Other Bentonite, Super Gel X
Steel Protector - 6" ø x 5'
Granulated Bentonite (slurry)

Construction Time Log:

Task	Start Date	Start Time	Finish Date	Finish Time
Drilling HSA	7/1	1210	7/1	1700
Well Const.	7/2	0600	7/7	0800
Geophys Logging				
Casing				
Filter Placement	7/2	0600	7/2	0800
Cementing	7/7	0630	7/7	0800
Development	7/21	-	7/22	-
Other				

Well Development:

Developed via stainless steel bailer, removing _____ gal.

Comments:

Aprox. 2½ hrs spent on development
Well water was reasonably clear of sediment after development.

WESTON

DRILLING LOG

WELL NUMBER: MW-13 OWNER:
LOCATION: ADDRESS: SMWT, Hollywood, MD.
TOTAL DEPTH: 31.5'
SURFACE ELEVATION: WATER LEVEL:
DRILLING COMPANY: Harding-Hubert DRILLING METHOD: HSA DATE DRILLED: 7/1/86
DRILLER: Jim HELPER: Brian, Jeff
LOG BY: KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		01	SS	2 5 9 15	Brn clayey to silty fine sand, occasional medium sand, poorly graded, medium dense, damp. SM
3.0		02	SS	4 2 2 2	Orange brn. silty fine sand, occasional medium to coarse sand, poorly graded, loose, moist SM
		03	SS	2 11 11 27	
13.5		04	SS	5 6 6 9	Light brn. silty to clayey medium to fine sand, occasional coarse sand, poorly graded, medium dense, slightly plastic, moist SC-SM
		05	SS		

*ASTM D1586

DRILLING LOG

WELL NUMBER: MW-13
LOCATION:
OWNER:
ADDRESS: SMSF, Hollywood, MO.
TOTAL DEPTH: 31.5'
SURFACE ELEVATION:
WATER LEVEL:
DRILLING COMPANY: Hardings-Hubert
DRILLING METHOD: HSA
DATE DRILLED: 7/1/86
DRILLER: Tim
HELPER: Brian, Jeff
LOG BY: KVA

SKETCH MAP

NOTES:

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
		05	SS	11 42 58	Light brn silty to clayey medium to fine sand, occasional coarse sand, poorly graded, medium dense, slightly plastic, wet SC-SM
23.0		06	SS	38 62	
		07	SS	100	Drk red silty coarse to medium sand, some cementation, poorly graded, very dense, saturated. SM
26.7		08	SS	100	
		09	SS	11 9 9 9	Brn silty medium to coarse sand, poorly graded, medium dense, saturated SM
28.5		10	SS	7 5 6 6	Yellow brn. silty clay, trace fine sand, stiff, medium plasticity, moist. CL-CH
31.5					End of boring @ 31.5'

*ASTM D1586

SHEET 1 OF 1

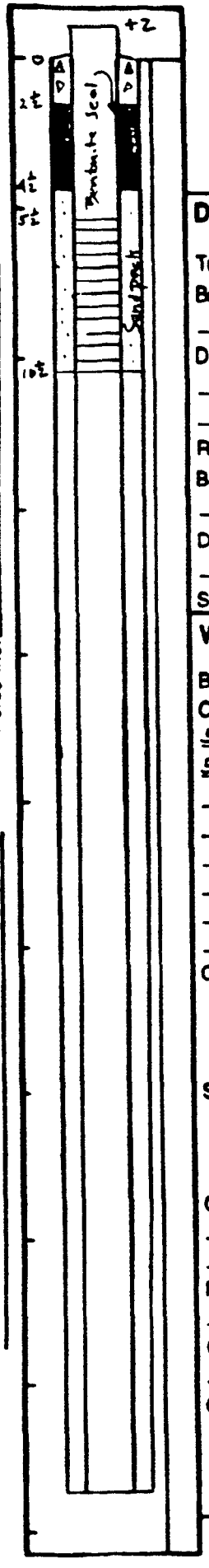
Well MW-14

Well Construction Summary

Location or Coords: _____ Elevation: Ground Level _____

Top of Casing _____

Project Southern Maryland Wood Treatment Location Hollywood, MD Personnel K. Van Allen



Drilling Summary:

Total Depth Boring to 13.5', well @ 10.5'

Borehole Diameter ~11"

Driller Tim Jackson

Rig Mobil D-60

Bit(s) 3¼" ID x 6 5/8" OD & 8" ID x 11" OD

Drilling Fluid None

Surface Casing _____

Well Design:

Basis: Geologic Log ✓ Geophysical Log ____

Casing String(s): C = Casing S = Screen

5.5'	-	10.5'	S	____	-	____	____
5.5'	-	+2'	C	____	-	____	____
____	-	____	____	____	-	____	____
____	-	____	____	____	-	____	____
____	-	____	____	____	-	____	____
____	-	____	____	____	-	____	____
____	-	____	____	____	-	____	____
____	-	____	____	____	-	____	____

Casing C1 4" ID PVC Riser, Sch 40, flush joint

C2 _____

Screen: S1 4" ID PVC, Sch 40, #10 Continuous wound

S2 _____

Centralizers None

Filter Material Well sorted coarse sand

Cement Portland, type I

Other Bentonite - Super Gel X
Bentonite Pellets - ½" ø
Steel Protector - 6" ø x 5'

Construction Time Log:

Task	Start Date	Start Time	Finish Date	Finish Time
Drilling				
HSA	7/7	1130	7/7	1230
Well Const	7/7	-	7/9	-
Geophys Logging				
Casing				
Filter Placement	7/7	1230	7/7	1330
Cementing	7/9	0730	7/9	0745
Development	7/21	-	7/22	-
Other				

Well Development:

Developed MW-14 using pvc bailer, removing aprox 45 gal.

Comments:

Well had some sediment @ bottom of screen, but were removed from bailing. Water reasonably clear of sediments after 2 hrs. of bailing.

WESTON

AR301826

DRILLING LOG

WELL NUMBER: MW-14 OWNER:
LOCATION ADDRESS: SMWT, Hollywood, MD.
TOTAL DEPTH: 13.5'
SURFACE ELEVATION WATER LEVEL:
DRILLING COMPANY: Harding-Hubert DRILLING METHOD: HSA DATE DRILLED: 7/7/86
DRILLER: Tim HELPER: Brian, Jeff
LOG BY: KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0					Orange brn fine sand, occasional medium sand, some silt, poorly graded, medium dense, moist SP-SM
		01	SS	7, 8, 11, 16	
8.0					Orange brn silty coarse to fine sand, trace fine gravel, well graded, medium dense, saturated. SM
10.5		02	SS	11, 9, 9, 6	
11.5					Yellow brn silty to clayey coarse to fine sand, well graded, medium dense, medium plasticity, wet SC-SM
		03	SS	4, 4, 5, 5	Yellow brn. silty clay, trace fine sand, stiff, medium plasticity, moist CL-CH
13.5					End of boring @ 13.5'

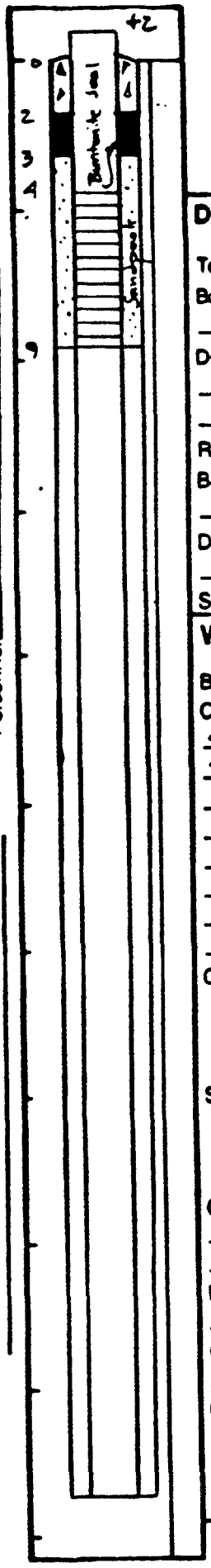
* ASTM D1586

Well MW-15

Well Construction Summary

Location or Coords: _____ Elevation: Ground Level _____

Top of Casing _____



Project Southern Maryland Wood Treatment

Location Hollywood, MD.

Personnel K. Van Alen

Drilling Summary:

Total Depth Boring to 12.0', well @ 9.0'

Borehole Diameter ~11"

Driller Jim Jackson

Rig Mobil B-60

Bit(s) 3¼" ID x 6⅝" OD & 8" ID x 11" OD

Drilling Fluid None

Surface Casing _____

Well Design:

Basis: Geologic Log ✓ Geophysical Log ___

Casing String(s): C = Casing S = Screen

4'	9'	S			
4'	+2	C			

Casing C1 4" ID PVC Riser, Sch 40, flush joint

C2 _____

Screen: S1 4" ID PVC, Sch 40, #10 Continuous wound

S2 _____

Centralizers None

Filter Material well sorted coarse sand

Cement Portland, type I

Other Bentonite - Super Gel X
Bentonite Pellets - ½" ø
Steel Protector - 6" ø x 5'

Construction Time Log:

Task	Start Date	Start Time	Finish Date	Finish Time
Drilling				
HSA	7/8	0800	7/8	1115
Well const	7/8	-	7/9	-
Geophys Logging				
Casing				
Filter Placement:	7/8	1115	7/8	1145
Cementing	7/9	0800	7/9	0930
Development:	7/22	-	7/23	-
Other				

Well Development:

Developed MW-15 w/ pvc bailer & stainless steel bailer, removing aprox 25 gal.

Comments:

Spent aprox. 1½ hrs. bailing & surging well. Recovery is slow, & was very silty. Sediments inside screen when development began, but was removed using rig, rods w/ jetting method. Displaced sediments from well w/ clear water. Bailed for 1 hr. afterwards, recharging a little quicker, yet still slow. Water reasonably clear & no sediments noted in screen.

WESTON

DRILLING LOG

WELL NUMBER: MW-15 OWNER:
LOCATION ADDRESS: Smart, Hollywood, MD.
TOTAL DEPTH: 12.0'
SURFACE ELEVATION: WATER LEVEL:
DRILLING COMPANY: Harding-Hubert DRILLING METHOD: HSA DATE DRILLED: 7/8/86
DRILLER: Tim HELPER: Brian, Jeff
LOG BY: KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		01	SS	1 4 5 6	Brn fine sand, trace silt, poorly graded, medium dense, damp SP
		02	SS	5 3 3 5	
		03	SS	1 2 2 2	
6.0		04	SS	4 4 7 2	Light brn. silty medium to fine sand, poorly graded, loose, saturated. SM
7.0					Orange brn. silty medium to fine sand, poorly graded, loose, saturated. SM
8.0		05	SS	8 7 7 3	Yellow brn. silty to clayey coarse to fine sand, well graded, medium dense, slightly plastic, saturated SC-SM
10.5		06	SS	5 3 2 3	Yellow brn. silty clay, trace fine sand, stiff, medium plasticity, moist CL
12.0					End of boring @ 12.0'

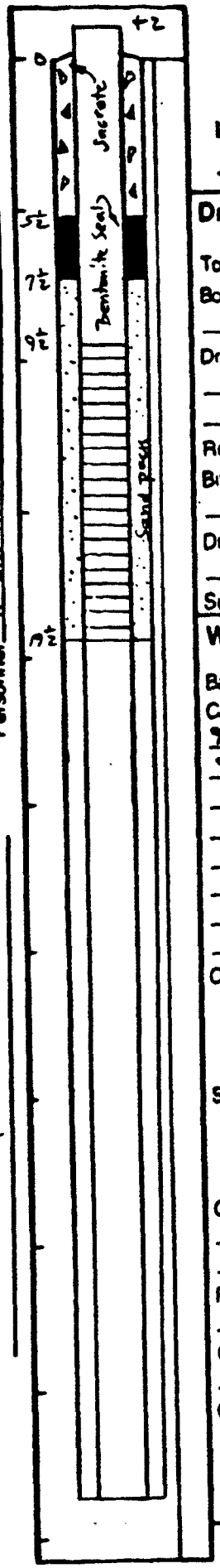
*ASTM D1586

Well MW-16

Well Construction Summary

Location or Coords: _____ Elevation: Ground Level _____

Top of Casing _____



Drilling Summary:

Total Depth Boring to 21.5', well @ 19.5'

Borehole Diameter ~11"

Driller Tim Jackson

Rig Mobil D-60

Bit(s) 3¾" ID x 6 3/8" OD &
8" ID x 11" OD

Drilling Fluid None

Surface Casing _____

Well Design:

Basis: Geologic Log ✓ Geophysical Log ____

Casing String(s): C = Casing S = Screen

9.5'	19.5'	S	____	____	____
9.5'	+2'	C	____	____	____

Casing C1 4" ID PVC Riser, Sch. 40, flush joint

C2 _____

Screen: S1 4" ID PVC, Sch. 40, #10 Continuous wound

S2 _____

Centralizers None

Filter Material Well sorted coarse Sand

Cement Portland, type I

Other Bentonite - Super Gel X
Bentonite Pellets - ½" ø
Steel Protector - 6" ø x 5'

Construction Time Log:

Task	Start Date	Start Time	Finish Date	Finish Time
Drilling				
HSA	7/10	0715	7/10	1150
Well Const	7/10	-	7/11	-
Geophys Logging				
Casing				
Filter Placement	7/10	1300	7/10	1615
Cementing	7/11	0700	7/11	0730
Development	7/22	-	7/23	
Other				

Well Development:

Developed MW-16 w/ pvc bailer, removing aprox. ____ gal.

Comments:

Spent aprox 3 hrs. developing MW-16. Recharge slow at first, but improved w/ time. Water very contaminated, but fairly clean of sediments.

Surged well w/ bailer to increase recovery.

WESTON

WILDWOOD

DRILLING LOG

WELL NUMBER: MW-16 OWNER:
LOCATION: ADDRESS: SMWT, Hollywood, MD.
TOTAL DEPTH: 21.5'
SURFACE ELEVATION: WATER LEVEL:
DRILLING COMPANY: Hardings-Hubert DRILLING METHOD: HSA DATE DRILLED: 7/10/86
DRILLER: Tim HELPER: Brian, Jeff
LOG BY: KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0					Rust brn silty medium to fine sand, poorly graded, medium dense, contaminated, moist SM
		01	SS	3 6 10 15	
8.0					Brn medium to fine sand, trace silt, poorly graded, dense, contaminated, saturated. SP
		02	SS	9 14 21 24	
11.5		03	SS	12 14 17 17	Brn medium to fine sand, occasional coarse sand, trace silt, poorly graded, dense, contaminated, saturated SP
		04	SS	15 30 20 25	
15.0		05	SS	2 2 3 5	Rust brn silty medium to fine sand, poorly graded, dense, contaminated, saturated. SM
		06	SS	8 17 30 12	Brn. coarse to fine sand, little silt, well graded, dense, contaminated, saturated SW-SM
19.0					
19.5					

* ASTM D1586

DRILLING LOG

WELL NUMBER: MW-16
LOCATION: _____
OWNER: _____
ADDRESS: SMWT, Hollywood, MD.
TOTAL DEPTH: 21.5'
SURFACE ELEVATION: _____
WATER LEVEL: _____
DRILLING COMPANY: Harding-Hubert
DRILLING METHOD: HSA
DATE DRILLED: 7/10/86
DRILLER: Tim
HELPER: Brian, Jeff
LOG BY: KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
		07	SS	7/10/7/5	Yellow brn silty clay, occasional coarse to fine sand seams, contaminated, moist to saturated. CL, SW
21.0					Drk gr. silty clay, trace fine sand, stiff, high plasticity, moist. CH-OH
21.5					end of boring @ 21.5'

*ASTM D1586

E-25

SHEET 2 OF 2

AR301832

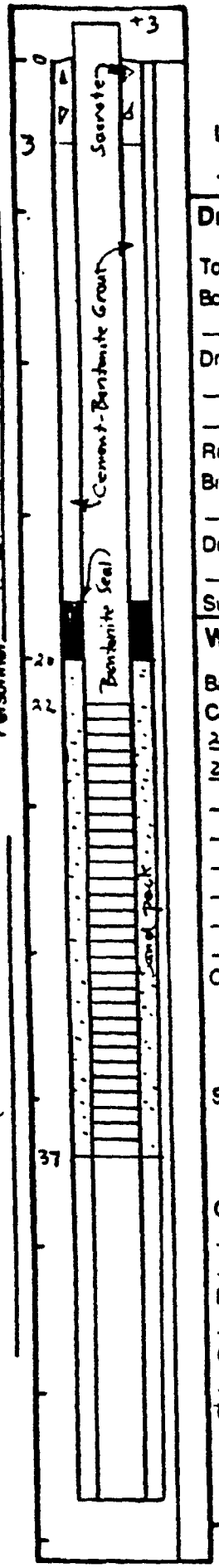
Well MW-17

Well Construction Summary

Location or Coords: _____ Elevation: Ground Level _____

Top of Casing _____

Project Southern Maryland Wood Treatment Location Hollywood MD. Personnel K. Barr-Alkire



Drilling Summary:

Total Depth Boring to 40.0', well @ 37.0'

Borehole Diameter ~11"

Driller Tim Jackson

Rig Mobil D-60

Bit(s) 3¼" ID x 6⅝" OD &
8" ID x 11" OD

Drilling Fluid None

Surface Casing _____

Well Design:

Basis: Geologic Log ✓ Geophysical Log ____

Casing String(s): C = Casing S = Screen

22'	37'	S			
22'	+3'	C			

Casing C1 _____

C2 _____

Screen: S1 _____

S2 _____

Centralizers _____

Filter Material _____

Cement _____

Other _____

Construction Time Log:

Task	Start Date	Start Time	Finish Date	Finish Time
Drilling				
HSA	7/11	1030	7/11	1415
HSA	7/12	0630	7/12	0800
Well Const.	7/12	-	7/12	-
Geophys Logging				
Casing				
Filter Placement	7/12	0900	7/12	1030
Cementing	7/12	1310	7/12	1410
Development:	7/18	-	7/21	-
Other				

Well Development:

Developed MW-17 w/ submersible pump & stainless steel bailer, removing aprox 110 gal

Comments:

Used pump during initial development, but pump malfunctioned. Switched to bailer after removing about 10 gal. There was aprox 10' silt in screen before development. Silt was removed during bailing & water became fairly clear. Recovery improved also. Aprox. 5± hrs was spent on development to remove sediments in well

WESTON

DRILLING LOG

WELL NUMBER: MW-17 OWNER:
LOCATION: ADDRESS: SMW, Hollywood, MD.
TOTAL DEPTH: 40.0'
SURFACE ELEVATION: WATER LEVEL:
DRILLING COMPANY: Hardings-Hubert DRILLING METHOD: HSA DATE DRILLED: 7/14/86
DRILLER: Tim HELPER: Brian, Jeff
LOG BY: KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		S1	SS	6 11 11 15	Orange brn. clayey silt, little medium to fine sand, poorly graded, medium dense, damp. ML
3.0		S2	SS	12 11 14 17	Orange brn. silty medium to fine sand, little clay, poorly graded, dense, moist. SM
		S3	SS	5 10 12 15	
13.0		S4	SS	3 6 9 9	Orange brn. silty medium to fine sand interbedded with silty coarse to fine sand, poorly to well graded, medium dense, moist. SM
18.0		S5	SS		Orange brn & white medium to fine sand, trace silt, poorly graded, medium dense, moist. SP

*ASTM D1586

WOODWARD-CLYDE

DRILLING LOG

WELL NUMBER: MW-17 OWNER:
LOCATION: ADDRESS: SMWT, Holly Wood, MD.
TOTAL DEPTH: 40.0'
SURFACE ELEVATION: WATER LEVEL:
DRILLING COMPANY: Harding-Hubert DRILLING METHOD: HSA DATE DRILLED: 7/14/86
DRILLER: Tim HELPER: Brian, Jeff
LOG BY: KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
		05	SS	4 7 10 11	Orange brn & white medium to fine sand, trace silt, poorly graded, medium dense, moist. SP
22.0					
		06	SS	8 6 8 7	Orange brn. & white medium to fine Sand, trace coarse sand, trace silt, poorly graded, medium dense, saturated. SP
		07	SS	6 8 11 11	
		08	SS	8 11 13 16	
		09	SS	10 8 4 5	
37.0			-	-	Dark. gr. silty clay, trace fine sand, stiff, high plasticity, moist to saturated CH-OH
		10	SS	4 4 5 4	
0.0					End of boring @ 40.0'

* ASTM D1586

E-28

SHEET 2 OF 2

AR301835

WESTON

DRILLING LOG

WELL NUMBER: B-1 OWNER:
LOCATION: ADDRESS: Smart, Hollywood, MD.
TOTAL DEPTH: 40.0'
SURFACE ELEVATION: WATER LEVEL: ~22'
DRILLING COMPANY: Harding-Hubert DRILLING METHOD: HSA DATE DRILLED: 7/9/86
DRILLER: Tim HELPER: Brian, Jeff
LOG BY: KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		01	SS	9 12 7 9	Brn fine sand, trace silt, poorly graded, medium dense, damp SP
2.0		02	SS	11 21 34 21	Orange brn. fine sand, little silt, poorly graded, very dense, moist. SP-SM
4.5		03	SS	11 15 18 20	Orange brn silty medium to fine sand, occasional coarse sand, poorly graded, dense, moist. SM
7.0		04	SS	8 14 23 27	Rust red & white silty to clayey medium to fine sand, occasional coarse sand, poorly graded, medium plasticity, moist SC-SM
7.5		05	SS	11 19 19 19	Rust orange & brn. medium to fine sand, little silt, poorly graded, dense, moist SP-SM
11.0		06	SS	4 10 20 22	Brn to orange brn. medium to fine sand, trace silt poorly graded, dense, moist. SP
13.5		07	SS	10 15 17 20	White medium to fine sand, trace silt, poorly graded, dense, moist. SP
		08	SS	7 14 16 22	
16.0		09	SS	7 19 25 24	Brn. & white medium to fine sand, trace silt, poorly graded, dense, moist. SP
		10	SS	9 14 20 21	

* ASTM D1586

WESTON

DRILLING LOG

WELL NUMBER: B-1 OWNER:
LOCATION: ADDRESS: SMWT, Hollywood, MD.
TOTAL DEPTH: 40.0'
SURFACE ELEVATION: WATER LEVEL: ~22'
DRILLING COMPANY: Harding-Hubert DRILLING METHOD: HSA DATE DRILLED: 7/9/96
DRILLER: Tim HELPER: Brian, Jeff
LOG BY: KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
		11	SS		Brn. & white medium to fine sand, trace silt, poorly graded, dense, wet to saturated. SP
		12	SS		
		13	SS		
		14	SS		
28.0		15	SS		Brn. & white medium to fine sand, occasional coarse sand, occasional fine gravel, trace silt, poorly graded, dense, saturated. SP
		16	SS		
32.0		17	SS		Brn. & white coarse to fine sand, little to trace silt, well graded, dense, saturated. SW-SM
		18	SS		
		19	SS		
37.8					Yellow brn silty clay, occasional coarse to fine sand, very stiff high plasticity, moist CL-CH
38.0		20	SS		Drk yr. silty clay, trace fine sand, high plasticity, moist CH-OH
					End of boring @ 40.0'

*ASTM D1586

WESTON

DRILLING LOG

WELL NUMBER B-2 OWNER
LOCATION ADDRESS SMWT, Hollywood, MD.
TOTAL DEPTH 18.0'
SURFACE ELEVATION WATER LEVEL ~10'
DRILLING COMPANY Harding-Hubert DRILLING METHOD HSA DATE DRILLED 7/23/86
DRILLER Jim HELPER Brian, Jeff
LOG BY KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		01	SS	6 7 8 7	Drk. brn silt & fine sand, poorly graded, medium dense, moist SM-ML
		02	SS	5 4 4 3	
4.0		03	SS	3 3 4 8	Light brn. medium to fine sand, poorly graded, medium dense, moist. SP
6.0		04	SS	3 4 8 10	White, gr. & brn. silty to clayey medium to fine sand, poorly graded, medium dense, moist to wet. SC-SM
9.3		05	SS	3 8 12 17	
		06	SS	7 8 9 10	Brn. coarse to fine sand, trace silt, well graded, medium dense, saturated. SW
		07	SS	7 7 8 8	
14.5		08	SS	2 3 2 4	Yellow brn. silty clay, some medium to fine sand, stiff, medium plasticity, moist CL-CH
		09	ST		Drk. gr. silty clay, trace fine sand, stiff, high plasticity, moist. CH-OH
18.0					End of boring @ 18.0'

* ASTM D1586

WESTON

DRILLING LOG

WELL NUMBER. B-3 OWNER.
LOCATION ADDRESS SMWT, Hollywood, MD.
TOTAL DEPTH 20.0'
SURFACE ELEVATION WATER LEVEL ~18'
DRILLING COMPANY Harding-Hubert DRILLING METHOD HSA DATE DRILLED 7/15/86
DRILLER Tim HELPER Brian, Jeff
LOG BY KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
6		01	SS	2 4 13 10	Drk brn. silty fine sand, poorly graded, medium dense, some staining, moist SM
2.0					Drk brn silty fine sand, poorly graded, medium dense, moist. SM
2.7		02	SS	13 10 7 4	Brn. silty clay, some fine sand, stiff, medium plasticity, moist. CL
4.0		03	SS	4 4 10 12	Orange brn. silty clay, some fine sand, stiff, medium plasticity, moist. CL
6.0		04	SS	4 5 9 11	Orange brn. medium to fine sand, poorly graded, medium dense, moist. SP
9.0		05	SS	4 8 10 12	Orange brn. silty medium to fine sand, poorly graded, medium dense, moist. SM
		06	SS	8 10 12 5	
		07	SS	5 6 7 9	
14.0		08	SS	5 7 7 8	Orange brn. & white silty to clayey medium to fine sand, poorly graded, medium dense, medium plasticity, moist. SC-SM
		09	SS	5 6 9 13	
18.0		10	SS	4 8 10 12	Orange brn. & white coarse to fine sand, trace silt, well graded, medium dense, saturated SW
20.0					End of boring @ 20.0'

* ASTM D1586

WESTON

DRILLING LOG

WELL NUMBER B-4 OWNER
LOCATION ADDRESS SMWT, Holly wood, MD
TOTAL DEPTH 30.0'
SURFACE ELEVATION WATER LEVEL ~20'
DRILLING COMPANY Harding-Hubert DRILLING METHOD HSA DATE DRILLED 7/15/86
DRILLER Tim HELPER Brian, Jeff
LOG BY KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		01	SS	8 7 4 5	Brn clayey silt; some medium to fine sand, poorly graded, loose, some staining, wood chips, moist. ML
2.0		02	SS	10 13 16 10	Brn. silty medium to fine sand, poorly graded, medium dense, some stainings, moist. SM
		03	SS	4 6 5 3	
5.5		04	SS	3 4 5 4	Brn silty clay, occasional fine sand, stiff, medium plasticity, moist. CL
8.0		05	SS	3 4 6 8	Brn. & white silty clay, some fine sand, stiff, medium plasticity, moist. CL
		06	SS	5 8 9 9	
12.0		07	SS	13 15 16 13	Orange brn medium to fine sand, occasional coarse sand, little silt, poorly graded, medium dense, moist to wet. SP-SM
		08	SS	5 9 11 8	
16.0		09	SS	5 6 6 6	Orange brn & white silty medium to fine sand, poorly graded, medium dense, wet. SM
		10	SS	3 4 4 5	

* ASTM D-1586

WESTON

DRILLING LOG

WELL NUMBER: B-4
LOCATION: _____
OWNER: _____
ADDRESS: SMWT, Hollywood, MD.
TOTAL DEPTH: 30.0'
SURFACE ELEVATION: _____
WATER LEVEL: ~20'
DRILLING COMPANY: Harding-Hubert
DRILLING METHOD: HSA
DATE DRILLED: 7/15/86
DRILLER: Tim
HELPER: Brian, Jeff
LOG BY: KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
		11	SS	4 6 9 10	Orange brn. & white coarse to fine sand, occasional fine gravel, trace silt, well graded, medium dense, saturated. SW
		12	SS	7 9 13 31	
		13	SS	41 20 19 17	Mottling or discoloration noted below 24'
26.0		14	SS	8 8 9 11	Yellow brn. silty to clayey coarse to fine sand, slightly plastic, medium dense, wet to saturated. SC-SM
27.5		15	ST		Yellow brn. silty clay, trace fine sand, medium to stiff, medium plasticity, moist CL-CH
30.0					End of boring @ 30.0'

* ASTM D1586

WESTON

DRILLING LOG

WELL NUMBER B-5 OWNER:
LOCATION ADDRESS SMWT, Hollywood, MD.
TOTAL DEPTH 24.0'
SURFACE ELEVATION WATER LEVEL ~22'
DRILLING COMPANY Harding-Hubert DRILLING METHOD HSA DATE DRILLED 7/16/86
DRILLER Tim HELPER Brian, Jeff
LOG BY. KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0					
0.6		01	SS	10 20 30 15	Orange brn silty to clayey medium to fine sand, some staining, poorly graded, dense, fill, moist. SC-SM
					Brn silty clay, trace fine sand, very stiff, medium plasticity, moist. CL
3.0		02	SS	13 15 28 25	Orange brn. silty to clayey medium to fine sand, poorly graded, dense, slightly plastic, moist. SC-SM
4.0					
		03	SS	7 11 15 17	Orange to rust brn. silty clay, some medium to fine sand, very stiff, medium plasticity, moist. CL
6.0					
		04	SS	8 15 19 30	Orange to rust brn. silty medium to fine sand, poorly graded, dense, moist. SM
8.5		05	SS	10 25 20 23	Orange brn silty coarse to fine sand interbedded with white & orange brn. silty to clayey coarse sand, poorly to well graded, dense, moist. SM
		06	SS	16 17 11 25	
		07	SS	9 13 11 11	
14.0					
		08	SS	7 14 7 11	Light orange brn. medium to fine sand, occasional coarse sand, little silt, poorly graded, medium dense, moist. SP-SM
16.0					
		09	SS	10 12 17 20	Orange brn. & white silty medium to fine sand interbedded with silty clay, poorly graded, dense, moist to wet. SM, CL
		10	SS	6 11 15 19	

* ASTM D-1586

WESTON

DRILLING LOG

WELL NUMBER B-5 OWNER
LOCATION ADDRESS SMWT, Hollywood, MD.
TOTAL DEPTH 24.0'
SURFACE ELEVATION WATER LEVEL ~22'
DRILLING COMPANY Harding-Hubert DRILLING METHOD HSA DATE DRILLED 7/16/86
DRILLER Tim HELPER Brian, Jeff
LOG BY: KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
		11	SS	6 14 14 17	Light orange brn. & white medium to fine sand, occasional coarse sand, trace silt, poorly graded, dense, wet to saturated SP
		12	SS	14 14 11 5	
24.0					End of boring @ 24.0'

* ASTM D1586

WESTON

DRILLING LOG

WELL NUMBER B-6 OWNER:
LOCATION ADDRESS SMWT, Hollywood, MD.
TOTAL DEPTH 28.0'
SURFACE ELEVATION WATER LEVEL ~24'
DRILLING COMPANY Harding-Hubert DRILLING METHOD HSA DATE DRILLED 7/17/86
DRILLER Tim HELPER Brian, Jeff
LOG BY KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0					
0.4		01	SS	10 32 28 10	Orange brn. silty clay, some coarse to fine sand, little coarse to fine gravel, stiff, medium plasticity, moist, fill. CL
2.0		02	SS	8 7 18 24	Brn. clayey silt, some coarse to fine sand, occasional coarse to fine gravel, some staining, poorly graded, dense, moist, fill. ML
4.0		03	SS	18 30 32 34	Brn. clayey silt, trace clay, trace fine sand, slightly plastic, dense, moist. ML Light orange brn. silty fine sand, occasional medium sand, poorly graded, very dense, moist. SM
6.0		04	SS	15 14 16 20	Rust to orange brn. silty to clayey medium to fine sand, poorly graded, dense, slightly plastic, moist. SC-SM
		05	SS	8 13 18 20	
		06	SS	10 13 18 21	
11.5		07	SS	14 14 18 23	Rust orange, brn. & white silty to clayey medium to fine sand, with silty clay seams, poorly graded, dense, low to medium plasticity, moist. SC-SM, CL
		08	SS	8 12 16 14	
16.0		09	SS	6 12 8 10	Light orange brn. fine sand, occasional medium sand, little silt, poorly graded, medium dense, moist. SP-SM
18.0		10	SS	6 10 15 15	Orange brn. & white silty to clayey fine sand with coarse to fine sand seams, poorly to well graded, dense, moist. SC-SM, SW

* ASTM D-1586

WESTON

DRILLING LOG

WELL NUMBER B-6 OWNER:
LOCATION ADDRESS SMWT, Hollywood, MN.
TOTAL DEPTH 28.0'
SURFACE ELEVATION WATER LEVEL ~24'
DRILLING COMPANY Hardings-Hubert DRILLING METHOD HSA DATE DRILLED 7/17/86
DRILLER Tim HELPER Brian, Jeff
LOG BY KYA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
		11	SS	11 11 14	Orange brn & white silty to clayey fine sand with coarse to fine sand seams, poorly to well graded, dense, moist. SC-SM, SW
22.0		12	SS	10 19 22 22	Orange brn. medium to fine sand, trace silt, poorly graded, dense, wet. SP
24.5		13	SS	5 7 6 5	Orange brn & white silty to clayey coarse to fine sand, well graded, medium dense, wet to saturated. SC-SM
26.0		14	SS	18 18 19 17	Orange brn. medium to fine sand, occasional coarse sand, trace silt, poorly graded, saturated. SP
28.0					End of boring @ 28.0'

*ASTM D1586

WESTON

DRILLING LOG

WELL NUMBER B-7 | OWNER:
LOCATION | ADDRESS Smurt, Hollywood, MD.
TOTAL DEPTH 38.0'
SURFACE ELEVATION | WATER LEVEL: ~22'
DRILLING COMPANY Harding-Hubert | DRILLING METHOD HSA | DATE DRILLED 7/18/86
DRILLER Jim | HELPER Brian, Jeff
LOG BY: KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0					
0.4		01	SS	8 13 14 13	Orange brn silty to clayey medium to fine sand, poorly graded, medium dense, low plasticity, moist fill. SC-SM
1.3					Grayish brn clayey silt, some fine sand, stainings, poorly graded, medium dense, moist. ML
		02	SS	4 6 18 15	Brn. silty clay to clayey silt, some fine sand, very stiff or dense, moist. CL-ML
4.0		03	SS	17 26 26 18	Brn silt & fine sand, little clay, poorly graded, dense to very dense, moist. ML-SM
6.0		04	SS	7 12 20 25	Rust to orange brn. silt & fine sand, little clay, poorly graded, dense, moist. ML-SM
		05	SS	6 17 24 24	
10.0		06	SS	10 17 25 25	Orange brn. silty to clayey fine sand, poorly graded, dense, slightly plastic, moist. SC-SM
11.7		07	SS	9 11 15 13	Orange brn. silty fine sand, poorly graded, medium dense, moist. SM
13.7		08	SS	7 8 12 15	Orange brn. silty fine sand with orange brn. & white silty clay seams, poorly graded, medium dense, non plastic to medium plasticity, moist. SM, CL
		09	SS	7 8 9 9	
		10	SS	6 12 8 9	

* ASTM D1586

WESTON

DRILLING LOG

WELL NUMBER B-7
LOCATION
OWNER:
ADDRESS Smart, Hollywood, MD.
TOTAL DEPTH 38.0'
SURFACE ELEVATION
WATER LEVEL ~22'
DRILLING COMPANY Hardins-Hubert DRILLING METHOD HSA DATE DRILLED 7/18/86
DRILLER Tim HELPER Brian, Jeff
LOG BY KYA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
		11	SS	4 8 11 16	Orange brn silty fine sand with orange brn & white silty clay seams, poorly graded, medium dense, non plastic to medium plasticity, moist SM, CL
20.5					
22.0		12	SS	11 11 15 15	Orange brn. & white silty to clayey coarse to fine sand, well graded, medium dense, slightly plastic, moist. SC-SM
		13	SS	6 5 6 8	Orange brn. & white medium to fine sand, little silt, poorly graded, medium dense, wet to saturated, SP-SM
25.7					
		14	SS	12 14 16 17	Brn. & white coarse to fine sand, little silt, well graded, medium dense to dense, saturated. SW-SM
		15	SS	9 9 12 6	
		16	SS	5 10 12 22	
		17	SS	12 27 28 44	
		18	SS	20 21 30 35	
		19	SS	15 20 10 5	
37.6					Yellow brn. silty clay, trace fine sand, stiff, medium plasticity, moist. CL-CH
38.0					End of boring @ 38.0'

*ASTM D1586

WESTON

DRILLING LOG

WELL NUMBER: B-8 OWNER:
LOCATION: ADDRESS: SMWT, Hollywood, MD.
TOTAL DEPTH: 29.0'
SURFACE ELEVATION: WATER LEVEL: ~22'
DRILLING COMPANY: Harding-Hubert DRILLING METHOD: HSA DATE DRILLED: 7/23/86
DRILLER: Jim HELPER: Brian, Jeff
LOG BY: KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0					
0.4		01	SS	9 16 16 18	Brn. silty clay, little fine sand, stiff, medium plasticity, moist CL
3.0		02	SS	20 25 25 20	Brn. clayey silt, some medium to fine sand, poorly graded, dense, moist. ML-SM
		03	SS	11 20 13 18	Orange brn silty medium to fine sand with orange brn. silty clay seams, poorly graded, dense, nonplastic to medium plasticity, moist. SM, CL
		04	SS	11 12 13 16	
		05	SS	10 11 15 18	
		06	SS	4 8 15 17	
		07	SS	9 12 13 18	
14.0		08	SS	9 8 4 5	Light orange brn medium to fine sand, occasional coarse sand, trace silt, poorly graded, loose, moist. SP
16.0		09	SS	9 12 13 21	Orange brn. & white medium to fine sand, trace silt, poorly graded, medium dense, moist. SP
		10	SS	11 12 13 8	
19.5					

* ASTM D1586

WESTON

DRILLING LOG

WELL NUMBER: B-8
LOCATION: _____
_____
_____
SURFACE ELEVATION: _____
DRILLING COMPANY: Harding-Hubert
DRILLING METHOD: HSA
DATE DRILLED: 7/22/86
DRILLER: Tim
HELPER: Brian, Jeff
LOG BY: KVA

OWNER: _____
ADDRESS: Smwr, Hollywood, MD
TOTAL DEPTH: 24.0'
WATER LEVEL: ~22'

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
		11	SS	5 7 7 10	Orange brn. & white medium to fine sand, trace silt, trace clay, poorly graded, medium dense, wet to saturated SP
		12	SS	5 7 10 12	
24.0					End of boring @ 24.0'

*ASTM D1586

SHEET 2 OF 2

WESTON

DRILLING LOG

WELL NUMBER: B-9
LOCATION: _____
OWNER: _____
ADDRESS: SMWT, Hatboro, MD.
TOTAL DEPTH: 26.0'
SURFACE ELEVATION: _____
WATER LEVEL: ~24'
DRILLING COMPANY: Harding-Hubert
DRILLING METHOD: HSA
DATE DRILLED: 7/17/86
DRILLER: Tim
HELPER: Brian, Jeff
LOG BY: KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0					
0.4		01	SS	11 16 12 22	Dk. brn clayey silt, staining, poorly graded, medium dense, moist. ML
2.2		02	SS	10 11 13 16	Brn clayey silt, occasional medium to fine sand, poorly graded, medium dense, moist. ML
		03	SS	10 10 18 19	Rust to orange brn. silty medium to fine sand, little clay, poorly graded, moist. SM
		04	SS	18 19 26 25	
		05	SS	10 15 23 18	
9.7		06	SS	9 21 39 22	Rust to orange brn silty medium to fine sand with silty coarse to fine sand seams, poorly to well graded, dense, moist. SM
		07	SS	17 23 20 18	
		08	SS	11 15 22 30	
		09	SS	17 25 32 40	
		10	SS	30 30 37 47	
19.7					

* ASTM D1586

WESTON

DRILLING LOG

WELL NUMBER B-9
LOCATION
OWNER:
ADDRESS SMUT, Hollywood, MD.
TOTAL DEPTH 26.0'
SURFACE ELEVATION
WATER LEVEL ~24'
DRILLING COMPANY Harding-Hubert
DRILLING METHOD HSA
DATE DRILLED 7/17/96
DRILLER Tim
HELPER: Brian, Jeff
LOG BY: KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
		11	SS	27 39 40 35	Tan & orange brn. medium to fine sand, trace silt, poorly graded, very dense, moist. SP
22.0		12	SS	11 11 13 13	Light orange brn medium to fine sand, occasional coarse sand seams, trace silt, poorly graded, moist. SP
23.8					
24.5		13	SS	5 5 8 8	Light orange brn & white medium to fine sand, trace silt, with silty clay seams, moist to wet. SP, CL
26.0					Light brn coarse to medium sand, some fine gravel, trace silt with silty clay seams, poorly graded, medium dense, saturated SP, CL
					End of boring @ 26.0'

WESTON

DRILLING LOG

WELL NUMBER: B-10 OWNER:
LOCATION: ADDRESS: SMWT, Hollywood, MD.
TOTAL DEPTH: 22.0'
SURFACE ELEVATION: WATER LEVEL: ~20'
DRILLING COMPANY: Harding-Hubert DRILLING METHOD: HSA DATE DRILLED: 7/22/86
DRILLER: Tim HELPER: Brian, Jeff
LOG BY: KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0					
0.2		01	SS	23 16 18 15	Dk brn clayey to silty medium to fine sand, staining, poorly graded, dense, moist SM
2.0		02	SS	7 9 8 8	Orange brn silty medium to fine sand, poorly graded, dense, moist. SM
3.7					Orange brn & white silty clay with silty sand seams, stiff, medium plasticity, moist CL, SM
		03	SS	12 14 17 18	Orange brn. medium to fine sand, trace silt, poorly graded, medium dense to dense, moist. SP
		04	SS	12 18 22 22	
		05	SS	8 12 18 22	
		06	SS	5 14 12 12	
		07	SS	6 14 14 18	
		08	SS	9 9 12 24	
15.2					Orange to rust brn coarse to fine sand, little silt, trace clay, well graded, medium dense to dense, discoloration noted, moist to wet. SW-SM
16.7		09	SS	11 6 4 5	Orange brn. silty coarse to fine sand, trace clay, well graded, loose, wet. SM
		10	SS	24 6 14	

* ASTM D1586

SHEET 1 OF 2

WOODWARD-CLYDE

DRILLING LOG

WELL NUMBER B-10 OWNER:
LOCATION ADDRESS SMWT, Hollywood, MD
TOTAL DEPTH 22.0'
SURFACE ELEVATION WATER LEVEL ~20'
DRILLING COMPANY Harding-Hubert DRILLING METHOD HSA DATE DRILLED 7/22/86
DRILLER Tim HELPER Brian, Jeff
LOG BY KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
		11	SS	7 P 4 8	Orange brn silty coarse to fine sand, trace clay, well graded, medium dense, saturated SM
22.0					End of boring @ 22.0'

* ASTM D-1586

WESTON

DRILLING LOG

WELL NUMBER B-11 OWNER:
LOCATION ADDRESS SMWT, Hollywood, MD
TOTAL DEPTH 24.0'
SURFACE ELEVATION WATER LEVEL ~10'
DRILLING COMPANY Harding-Hubert DRILLING METHOD HSA DATE DRILLED 7/19/86
DRILLER Tim HELPER Brian, Jeff
LOG BY KVA

SKETCH MAP

NOTES

DEPTH FEET	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		01	SS	8 6 3 6	Brn to orange brn. silty medium to fine sand, poorly graded, medium dense, staining, moist. SM
		02	SS	10 12 18 14	
4.0		03	SS	6 7 9 11	Brn silty fine sand, with clayey sand seams, poorly graded, medium dense, moist. SM, SC
6.0		04	SS	6 6 8 8	Brn. silty medium to fine sand, poorly graded, medium dense, contaminated, saturated below 9'. SM
		05	SS	6 8 9 15	
		06	SS	5 15 16 19	
		07	SS	13 15 16 13	
		08	SS	10 11 15 14	
		09	SS	20 15 18 24	
18.3		10	SS	15 P P P	Yellow brn to orange brn silty clay, little coarse to fine sand, stiff, medium plasticity, upper ten inches (approx.) mottled or weathered, moist to wet CL-CH

* ASTM D1586

SHEET 1 OF 2

AR301854

WESTON

DRILLING LOG

WELL NUMBER: B-11 OWNER:
LOCATION: ADDRESS: SMWT, Hollywood, MD.
TOTAL DEPTH: 24.0'
SURFACE ELEVATION: WATER LEVEL: ~10'
DRILLING COMPANY: Harding-Hubert DRILLING METHOD: HSA DATE DRILLED: 7/19/86
DRILLER: Tim HELPER:
LOG BY: ISVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
		11	SS	6 7 4 3	Yellow brn silty clay, little coarse to fine sand, stiff, medium plasticity, moist CL-CH
21.5		12	ST		Dark gr silty clay, trace fine sand, stiff, high plasticity, moist. CH-OH
24.0					End of boring @ 24.0'

*ASTM D-1586

SHEET 2 OF 2

WOODWARD-CLYDE

DRILLING LOG

WELL NUMBER B-12 OWNER
LOCATION ADDRESS SMWT, Hollywood, MD.
TOTAL DEPTH 16.0'
SURFACE ELEVATION WATER LEVEL ~5'
DRILLING COMPANY Harding-Hubert DRILLING METHOD HSA DATE DRILLED 7/
DRILLER Tim HELPER Brian, Jeff
LOG BY KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		01	SS	7 15 15 14	Brn. silty medium to fine sand, poorly graded, medium dense, moist. SM
2.5		02	SS	3 3 4 4	Brn. silty medium to fine sand, little clay, poorly graded, saturated below 5'.
		03	SS	4 3 7 5	
7.0		04	ST		Brn. coarse to fine sand, trace silt, well graded, medium dense, contaminated, saturated. SW
		05	SS	P 11 11 12	
		06	SS	3 2 5 7	
12.0		07	SS	2 3 4 5	Yellow brn. silty clay, occasional coarse to fine sand, stiff, medium plasticity, moist. CL-CH
		08	ST		Dark gr. silty clay, trace fine sand, stiff, high plasticity, moist. CH-OH
16.0					End of boring @ 16.0'

*ASTM D1586

SHEET 1 OF 1

E-49

AR301856

DRILLING LOG

WELL NUMBER B-13 OWNER
LOCATION ADDRESS SMWT, Hollywood, MD.
TOTAL DEPTH 8.0'
SURFACE ELEVATION WATER LEVEL ~5.5'
DRILLING COMPANY Harding-Hubert DRILLING METHOD HSA DATE DRILLED 7/12/86
DRILLER Tim HELPER Brian, Jeff
LOG BY KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0					
0.3		01	SS	8 10 15 10	Brn. medium to fine sand, poorly graded, medium dense, moist. SP
2.0					
		02	SS	5 3 2 2	Gr. to brn. silty medium to fine sand, poorly graded, medium dense, staining, moist SM
					Brn. silty to clayey medium to fine sand, poorly graded, loose, slightly plastic, moist to wet. SC-SM
5.2		03	SS	1 1 1 3	
					Brn. coarse to fine sand, trace silt, well graded, loose to medium dense, saturated. SW
		04	SS	5 8 7 9	
8.0					End of boring @ 8.0'

*ASTM D1586

SHEET 1 OF 1

DRILLING LOG

WELL NUMBER SS-1 OWNER
LOCATION ADDRESS SMWT, Hollywood, MD.
TOTAL DEPTH 2.0'
SURFACE ELEVATION WATER LEVEL No water
DRILLING COMPANY Hardings-Hubert DRILLING METHOD SPT DATE DRILLED 7/21/86
DRILLER Tim HELPER Brian
LOG BY: KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		01	SS	2	Brn. clayey silt, little fine sand, loose, topsoil, moist ML
0.5		02	SS	2	
		03	SS	2 2	Brn. silty medium to fine sand, trace clay, poorly graded, loose, moist SM
					End of boring @ 2.0'

* ASTM D-1586

SHEET 1 OF 1

E-51
AR301858

DRILLING LOG

WELL NUMBER SS-2 OWNER
LOCATION ADDRESS SMWT, Hollywood, MD
TOTAL DEPTH 20'
SURFACE ELEVATION WATER LEVEL No water
DRILLING COMPANY Harding-Hubert DRILLING METHOD SPT DATE DRILLED 7/21/86
DRILLER Tim HELPER Brian
LOG BY IRA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		S1	SS	4	
		S2	SS	4 5	Brn. clayey silt, medium dense, topsoil, moist ML
1.0		S3	SS	5	Brn. silty medium to fine sand, poorly graded, medium dense, moist SM
2.0					End of boring @ 2.0'

* ASTM D-1586

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SHEET 1 OF 1

AR301859

DRILLING LOG

WELL NUMBER SS-3 OWNER
LOCATION ADDRESS SMWT, Hollywood, MD.
TOTAL DEPTH 2.0'
SURFACE ELEVATION WATER LEVEL No water
DRILLING COMPANY Harding-Hubert DRILLING METHOD SPT DATE DRILLED 7/21/86
DRILLER Tim HELPER Brian

LOG BY. KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0					
0.5		01	SS	2	Dark brn clayey to silty medium to fine sand, trace gravel, loose, topsoil, moist SM-SC
		02	SS	4	
1.0		03	SS	10	Brn silty medium to fine sand, trace gravel, medium dense, moist SM
				13	
					End of boring @ 2.0'

* AS TM E-SM

DRILLING LOG

WELL NUMBER SS-9 OWNER
LOCATION ADDRESS SMWT, Hollywood, MD
TOTAL DEPTH 2.0'
SURFACE ELEVATION WATER LEVEL No water
DRILLING COMPANY Hewlett-Hubert DRILLING METHOD SPT DATE DRILLED 7/21/94
DRILLER Tim HELPER Brian
LOG BY KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		S1	SS	2	Dark brn. silty medium to fine sand, trace clay, poorly graded, loose, topsoil, moist SM
0.8		S2	SS	2 4	
2.0		S3	SS	5	Brn. silty clay, little medium to fine sand, stiff, low plasticity, moist CL
					End of boring @ 2.0'

*ASTM D-1586

DRILLING LOG

WELL NUMBER SS-5
LOCATION
OWNER
ADDRESS SMWT, Hollywood, MD
TOTAL DEPTH 2.0'
SURFACE ELEVATION
WATER LEVEL No water
DRILLING COMPANY Harding-Hubert
DRILLING METHOD SSA
DATE DRILLED 7/21/86
DRILLER Tim
HELPER Brian
LOG BY KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		S1	SS	5	
0.5		S2	SS	11	Dark brn silty medium to fine sand, trace clay, poorly graded, medium dense, topsoil moist. SM
		S3	SS	12	
2.0				15	Brn silty medium to fine sand, poorly graded, medium dense, moist. SM
					End of boring @ 2.0'

*ASTM E-SOX

DRILLING LOG

WELL NUMBER SS-6 OWNER
LOCATION ADDRESS SMWT, Holly Wood, MD.
TOTAL DEPTH 2.0'
SURFACE ELEVATION WATER LEVEL No water
DRILLING COMPANY Hexing-Hubert DRILLING METHOD SPT DATE DRILLED 7/21/86
DRILLER Tim HELPER Brian
LOG BY: KVA

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0					
0.3		01	SS	5	Dark brn. silty medium to fine sand, trace clay, poorly graded,
		02	SS	20	medium dense/topsoil, moist SM
				40	
2.0		03	SS	20	Brn silty medium to fine sand, poorly graded, dense, moist. SM
					End of boring @ 2.0'

* ASTM D-1586

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SHEET 1 OF 1

AR301863

WOOD

DRILLING LOG

WELL NUMBER P-1 OWNER
LOCATION ADDRESS SMWT, Hollywood, MD
TOTAL DEPTH 15.0'
SURFACE ELEVATION WATER LEVEL No water
DRILLING COMPANY Bow-Co Excav. DRILLING METHOD Backhoe DATE DRILLED 6/23/96
DRILLER HELPER
LOG BY KVA, JEV

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		01			Brn. and blk silty coarse to fine gravel, some coarse to fine sand, fill, dry GM
.35		02			
1.5		03			Orange brn silty to clayey fine sand, poorly graded, moist SM-SC
2.0					Brn fine sand, little silt, poorly graded moist SP-SM
2.8		04			Brn. silty to clayey sand with silty sand seams, poorly graded, moist SC-SM
		05			Rust orange silty to clayey fine sand, poorly graded, moist SC-SM
		06			
6.0		07			Orange coarse to fine sand, little silt, poorly graded, moist SW-SM
8.5		08			Rust orange and white silty clay to clayey sand, moist. CL-SC
		09			
15.0					Bottom of test pit @ 15.0'

*ASTM D-1586

WOODWARD-CLYDE

DRILLING LOG

WELL NUMBER P-2
LOCATION _____
_____
_____
SURFACE ELEVATION _____
DRILLING COMPANY Baw-Co Excav
DRILLER _____
LOG BY KVA, JEV

OWNER _____
ADDRESS SMWT, Hollywood, MD
_____
TOTAL DEPTH 15.0'
WATER LEVEL No water
DRILLING METHOD Backhoe
DATE DRILLED 6/23/86
HELPER _____

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0					
0.4		01			Light brn silt and fine sand, poorly graded, damp ML
		02			
		03			Brn clayey silt, some course to fine sand, poorly graded, moist ML
2.5		04			
		05			Rust brn to orange and white silty fine sand, poorly graded, moist SM
		06			
		07			
8.0					Rust orange and white silty to clayey course to fine sand, moist SC-SM
		08			
5.0					Bottom of test pit @ 15.0'

* ASTM D-1586

DRILLING LOG

WELL NUMBER P-3 | OWNER
LOCATION | ADDRESS SMWT, Hollywood, MD.
TOTAL DEPTH 15.0'
SURFACE ELEVATION | WATER LEVEL No water
DRILLING COMPANY Baw-Co Excav. | DRILLING METHOD Backhoe | DATE DRILLED 6/23/86
DRILLER | HELPER
LOG BY KVA, JEV

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0					
0.3		01			Brn SiHy Sand, Poorly graded, moist SM
		02			Brn to yellow silt and sandy clay seams, poorly graded, moist ML, SC
		03			
		04			
		05			
		06			
5.5					
		07			White silty clay, some coarse to fine sand, medium plasticity, moist CL
7.0					
		08			White and rust orange silty to clayey medium to fine sand interbedded with sandy silty clay seams, moist SC, CL
15.0					Bottom of test pit @ 15.0'

*ASTM D-SW

SHEET 1 OF 1

DRILLING LOG

WELL NUMBER P-4 OWNER _____
LOCATION _____ ADDRESS SMWT, Hollywood, MD.
_____ _____
_____ TOTAL DEPTH 15.0'
SURFACE ELEVATION _____ WATER LEVEL No water
DRILLING COMPANY Bow-Co Excav DRILLING METHOD Backhoe DATE DRILLED 6/24/96
DRILLER _____ HELPER _____

LOG BY Tardone, Vann

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0.25		S1			Orange and White sandy clay, medium plasticity moist CL
		S2			Light gray to orange coarse to fine sandy silty clay, medium plasticity mottled moist CL-SL
		S3			
		S4			
		S5			
4.0					Red and white medium to coarse sandy silty clay, medium plasticity, moist CL-SL
		S6			
13.0		S7, S8			Red and white silty clay with red fine sand seams, medium plasticity, moist. CL, SP
15.0					Bottom of test pit @ 15.0'

E-60

SHEET 1 OF 1

AR301867

WOODWARD-CLYDE

DRILLING LOG

WELL NUMBER P-5 OWNER

LOCATION ADDRESS Smith, Hollywood, Md.

TOTAL DEPTH 15.0'

SURFACE ELEVATION WATER LEVEL

DRILLING COMPANY Baw-Co Exlor DRILLING METHOD Backhoe DATE DRILLED 6/24/86

DRILLER HELPER

LOG BY Jordane, Vann

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		01			Brn Sandy to gravely silty clay fill, dry SC-GC
0.5		02			Orange to dark gray Sandy silty clay, medium plasticity, dry CL-SC
1.0		03			Light brn sandy silty clay, medium plasticity moist CL-SC
		04			
3.0		05			Light brn clayey sand with white clayey sand seams, moist. SC
9.0		06			Red to orange coarse to medium clayey sand, medium plasticity, moist. SC
		07, 08			
15.0					Bottom of test pit @ 15.0'

WESTON

DRILLING LOG

WELL NUMBER P-6 OWNER
LOCATION ADDRESS Smart, Hollywood, MD
TOTAL DEPTH 15.0'
SURFACE ELEVATION WATER LEVEL No water
DRILLING COMPANY Baw-Co Excav. DRILLING METHOD Backhoe DATE DRILLED 6/24/86
DRILLER HELPER

LOG BY La Costa, Tordone

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION: SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0.5		01			Light brn to tan fine sand, trace silt, poorly graded, dry SP
		02			
		03			Red to brn fine sand, trace silt, poorly graded, dry, SP
		04			
		05			
6.0		06			Orange brn medium sand, trace silt, poorly graded, damp to moist. SP
9.0		07			White medium sand with orange brn medium to fine sand seams, trace silt, poorly graded, moist. SP
9.0					Orange to rust medium sand, poorly graded, moist SP
15.0		08			Bottom of test pit @ 15.0'

* ASTM D-1586

SHEET 1 OF 1

WOODWARD

DRILLING LOG

WELL NUMBER P-7 OWNER
LOCATION ADDRESS SMWT, Hollywood, MD.
TOTAL DEPTH 15.0'
SURFACE ELEVATION WATER LEVEL No water
DRILLING COMPANY Dan. Co Excav DRILLING METHOD Backhoe DATE DRILLED 5/25/86
DRILLER HELPER
LOG BY La Costa, Tardone

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0					
0.5		02			Tan fine sand, tr s.H, poorly graded, dry SP
1.0					Orange brn fine sand, trace silt, poorly graded, dry SP
		03			Orange brn medium to fine sand, trace silt, trace clay, poorly graded, damp SP
3.0		04			
		05			Orange brn clayey medium to fine sand, little silt, medium plasticity, damp. SC
		06			
		07			
5.0		08			Orange brn. and grayish white clayey medium to fine sand, medium plasticity, moist. SC
5.0					Bottom of test pit @ 15.0'

E-63

SHEET 1 OF 1

AR301870

WOODWARD

DRILLING LOG

WELL NUMBER P-8 OWNER _____
LOCATION _____ ADDRESS SMWT, Hollywood, MO
TOTAL DEPTH 15.0'
SURFACE ELEVATION _____ WATER LEVEL No water
DRILLING COMPANY Burn Co Excav. DRILLING METHOD Backhoe DATE DRILLED 6/25/86
DRILLER _____ HELPER _____
LOG BY La Costa

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0					Brn fine sand, trace silt, wood chips, dry, fill SP
1.0					Dark grey fine sand, stained, poorly graded, dry SP
2.0					Tan to brn. fine sand, trace silt, trace clay, poorly graded, dry SP
3.0					Orange brn. medium to fine sand, some clay, trace silt, medium plasticity, damp SC
7.0					Light gray silty clay, some fine sand, medium to high plasticity, damp CL-CH
10.0					Tan to light orange brn fine sand, poorly graded, damp. SP
12.0					Orange brn. clayey sand, trace silt, poorly graded, moist. SC
15.0					Bottom of test pit @ 15.0'

* ASTM C-50

SHEET 1 OF 1

WOODWARD

DRILLING LOG

WELL NUMBER T-9 OWNER
LOCATION ADDRESS SMWT, Hollywood, MD.
TOTAL DEPTH 15.0'
SURFACE ELEVATION WATER LEVEL No water
DRILLING COMPANY Bay-Co Excav DRILLING METHOD Backhoe DATE DRILLED 6/25/96
DRILLER HELPER
LOG BY La Costa, Tordine

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		01			Brn fine sand, trace silt, poorly graded, wood chips, dry, fill SP
		02			
		03			
2.0		04			Tan to brn fine sand, trace silt, trace clay, poorly graded, dry SP
3.0		05			orange brn medium to fine sand, trace silt, trace clay, poorly graded, damp. SP
4.0		06			
5.0		07			Light gray silty clay, trace fine sand, medium to high plasticity, damp. CL-CH
					Tan to beige medium to fine sand, trace clay, trace silt, poorly graded, damp. SP
8.0					Light gray and red brn silty clay, medium to high plasticity, damp. CL-CH
9.0					Orange brn medium to fine sand, some silt, trace clay, poorly graded, damp SM
		08			
15.0					Bottom of test pit @ 15.0'

* ASTM D-1586

WOODWARD-CLYDE

DRILLING LOG

WELL NUMBER P-10
LOCATION
OWNER
ADDRESS Sunset, Hollywood, MD.
TOTAL DEPTH 10.0'
SURFACE ELEVATION
WATER LEVEL 10.0'
DRILLING COMPANY Bau-Co Excav
DRILLING METHOD Backhoe
DATE DRILLED 6/25/84
DRILLER
HELPER
LOG BY La Costa, Van Allen

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		01			Brn silty medium to fine sand, some wood chips, dry. fill SM
1.0		02			
2.0		03			Rust orange to brn. silty medium to fine sand, poorly graded, dry to damp. SM
3.0		04			Brn silty to clayey medium to fine sand, poorly graded, moist SC-SM
		05			Brn silty medium to fine sand, poorly graded, wet SM
		06			Dark brn to dark red silty medium to fine sand, cemented, staining, wet. SM
9.0					
10.0		07			Light brn. to brn. medium to fine sand, little silt, poorly graded, saturated. SP-SM
					Bottom of test pit @ 10.0'

* ASTM D-1586

WOODWARD-CLYDE

DRILLING LOG

WELL NUMBER P-11 OWNER
LOCATION ADDRESS SMWT, Hollywood, MD
TOTAL DEPTH 14.5'
SURFACE ELEVATION WATER LEVEL No water
DRILLING COMPANY Bum-Co Excav DRILLING METHOD Backhoe DATE DRILLED 6/25/86
DRILLER HELPER
LOG BY La Costa, Tordone

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0					
1.0					Tan fine sand, trace silt, poorly graded, dry SP
2.0		S3			Light brn fine sand, trace clay, poorly graded, dry SP
3.0		S4			Light brn. clayey fine sand, low plasticity, poorly graded, damp SC
		S5			Red to brn. clayey sand, low plasticity, poorly graded, damp SC
6.0		S6			Beige to orange brn. medium to fine sand, some silt, poorly graded, moist SM
		S7			
		S8			
14.5					Bottom of test pit @ 14.5'

E-67

SHEET 1 OF 1

WOODWARD-CLYDE

DRILLING LOG

WELL NUMBER P-12 OWNER _____

LOCATION _____ ADDRESS Sunset, Hollywood, MD.

TOTAL DEPTH 15.0'

SURFACE ELEVATION _____ WATER LEVEL No water

DRILLING COMPANY Bow-Co Excav DRILLING METHOD Backhoe DATE DRILLED 6/26/86

DRILLER _____ HELPER _____

LOG BY La Costa, Tarduno

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		01			Light brn silty fine sand, wood chips, fill, dry SM
		02			
		03			
2.0		04			Orange brn fine sand, some clay, trace silt, medium plasticity, damp SC
		05			
6.0		06			Orange brn silty to clayey fine sand, low plasticity, damp SC-SM
8.0		07			Light gray to red orange clayey fine sand, medium plasticity, damp SC
14.0		08			Orange brn and light gray sandy clay, medium to high plasticity, moist. CL-SC
15.0					Bottom of test pit @ 15'

*ASTM D-1586

WOODWARD-CLYDE

DRILLING LOG

WELL NUMBER P-13 OWNER
LOCATION ADDRESS SMUT, Hollywood, MD
TOTAL DEPTH 15.0'
SURFACE ELEVATION WATER LEVEL No water
DRILLING COMPANY Bow Co Excav DRILLING METHOD Backhoe DATE DRILLED
DRILLER HELPER
LOG BY La Costa, Tordoff

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		01			Brn to gray fine sand and silt, wood chips, debris, fill, dry SP-ML
1.5		02			Orange brn silty fine sand, trace silty pockets gravel, damp SM
		03			Orange brn medium to fine sand, some silt, debris, damp SM
3.0		04			Brn silty clay with light gray silty clay lens, high plasticity, moist CL-CH
		05			
9.5		06			Brn. silty to clayey fine sand, poorly graded, low plasticity, moist SC-SM
12.0		07			Light gray and red orange fine sand, little silt, low plasticity, moist. SP-SM
14.5					
15.0		08			Light gray and red orange sandy silty clay, medium plasticity, mottled, moist. CL-SC
					Bottom of test pit @ 15.0'

* ASTM D-1586

WOODWARD-CLYDE

DRILLING LOG

WELL NUMBER P-14 OWNER
LOCATION ADDRESS SMWT, Hollywood, MD.
TOTAL DEPTH 12.0'
SURFACE ELEVATION WATER LEVEL No water
DRILLING COMPANY Baw-Co Excav DRILLING METHOD Backhoe DATE DRILLED 6/26/86
DRILLER HELPER
LOG BY La Costa, Tordone

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		01			Light brn. silty fine sand, roots, wood debris, poorly graded, dry SM
		02			
2.0		03			
		04			Orange brn silty fine sand, trace clay, poorly graded, dry SM
		05			
4.0		06			Pale gray silty clay and fine sand, poorly graded, dry. CL-SC
6.0					Pale gray and orange red silty clay, some fine sand, mottled, moist. CL
8.0		07			Orange red to brn medium to fine sand, and silt, poorly graded, moist SP-ML
11.0					
12.0		08			White medium to fine sand and orange brn fine sand, poorly graded, moist. SP
					Bottom of test pit @ 12.0'

WOODWARD-CLYDE

DRILLING LOG

WELL NUMBER P-15 OWNER _____
LOCATION _____ ADDRESS 3 Mart, Hollywood, MD
_____ TOTAL DEPTH 13.5'
SURFACE ELEVATION _____ WATER LEVEL No water
DRILLING COMPANY Baw-Co Excav. DRILLING METHOD Backhoe DATE DRILLED 6/26/96
DRILLER _____ HELPER _____

LOG BY La Costa, Tordone

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		S			Light brn fine sand, some silt, wood chips, poorly graded, dry SM
1.0		02			Dark gray fine sand, stained, trace silt, poorly graded, dry SP
2.0		03			Orange brn clayey medium to fine sand, some coarse gravel, well graded, damp SC
3.0		04			
		05			Brn silty clay, little sand, high plasticity, damp CL-CH
6.0		06			Orange brn silty medium to fine sand, trace clay, poorly graded, damp SM
10.0		07			Orange brn and white clayey medium to fine sand, low plasticity, moist. SC
		08			Orange brn. silty medium to fine sand, cemented, poorly graded, moist. SM
13.5					Bottom of test pit @ 13.5'

*ASTM D-1586

DRILLING LOG

WELL NUMBER P-16 OWNER
LOCATION ADDRESS SnWT, Hollywood, MD
TOTAL DEPTH 6.5'
SURFACE ELEVATION WATER LEVEL 6.5'
DRILLING COMPANY Brow-Co Excav. DRILLING METHOD Backhoe DATE DRILLED 6/27/86
DRILLER HELPER
LOG BY La Costa Tordone

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		01			Brn s.Ly fine sand, wood chips, poorly graded, dry SM
0.5		02			
1.0		03			Orange brn fine sand, little silt, poorly graded SP-SM
3.0		04			
		05			Gray to dark gray silty medium to fine sand, poorly graded moist to saturated SM
		06			
6.5					Bottom of test pit @ 6.5'

* ASTM D-1586

WOODWARD-CLYDE

DRILLING LOG

WELL NUMBER P-17 OWNER

LOCATION ADDRESS Smart, Hollywood, MD

TOTAL DEPTH 5.5'

SURFACE ELEVATION WATER LEVEL 5.5'

DRILLING COMPANY Bow-Co Excav DRILLING METHOD Backhoe DATE DRILLED 6/27/86

DRILLER HELPER

LOG BY La Costa, Tordine

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		01			Rust brn ± lty fine sand, poorly graded, dry SM
0.5		02			
1.0		03			Rust brn medium to fine sand, little silt, poorly graded, dry SP-SM
		04			Brn medium to fine sand, trace clay, trace silt, poorly graded, dry to damp SP
		05			
		06			
		07			
5.5					Bottom of test pit @ 5.5'

*ASTM D-1586

SHEET 1 OF 1

E-73 AR301880

DRILLING LOG

WELL NUMBER P-18
LOCATION
OWNER
ADDRESS SRWT, Hollywood, MD.
TOTAL DEPTH 3.5'
SURFACE ELEVATION
WATER LEVEL 3.5'
DRILLING COMPANY Baw-Co Excav. DRILLING METHOD Backhoe DATE DRILLED 5/27/86
DRILLER HELPER
LOG BY La Costa, Tardone

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		01			Orange brn medium to fine sand, trace silt, trace clay, poorly graded, damp SP
1.0		02			
2.0		03			Orange brn. silty medium to fine sand, poorly graded, damp SM
3.0		04			Orange brn. coarse to medium sand and silt, poorly graded, moist SP-ML
3.5		05			Bottom of test pit @ 3.5'

* ASTM D-1586

DRILLING LOG

WELL NUMBER P-19
LOCATION
OWNER
ADDRESS SMWT, Hollywood, MD
TOTAL DEPTH 6.0'
SURFACE ELEVATION
WATER LEVEL 6.0'
DRILLING COMPANY Bru-Co Excav. DRILLING METHOD Backhoe DATE DRILLED 6/28/96
DRILLER HELPER
LOG BY Vann, Tordone

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		01			Brn sandy clay with red lamination, moist CL-SC
1.0		02			
2.0		03			Brn silty clay, trace silt, medium plasticity, moist CL
3.0		04			Brn silty clay, some medium to coarse sand, medium to high plasticity, moist to wet. CL
		05			Light gray sandy silty clay, trace sand, medium to high plasticity, wet CL
5.5					
6.0		06			Light gray sand with sandy clay lenses, possible iron staining, saturated SP, SC
					Bottom of test pit @ 6.0'

* ASTM D-1586

DRILLING LOG

WELL NUMBER P-20 OWNER _____
LOCATION _____ ADDRESS SMWT, Hollywood, MD.
_____ _____
_____ TOTAL DEPTH 13.0'
SURFACE ELEVATION _____ WATER LEVEL No water
DRILLING COMPANY Bun-Ci Excav DRILLING METHOD Backhoe DATE DRILLED 6/20/86
DRILLER _____ HELPER _____

LOG BY Vann, Tordoff

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		0			Light brn sandy clay and coarse to fine gravel, well graded, dry, fill SC-GC
		=2			
		=3			
2.0		=4			White sandy clay, high plasticity, some mottling or iron staining, moist. CL-SC
		=5			
6.0					
6.8		=6			Light gray, red and white silty clay, high plasticity, some mottling, dry CL-CH
		=7			Brn. silty clay, with coarse sand, medium plasticity, damp. CL
8.0		=8			Red to brn. coarse sand, poorly graded, moist SP
10.0					Brn. and white coarse sand, trace clay, poorly graded, moist. SP
12.0					Brn. and white coarse sand with light gray mottled clay lenses, moist. SP, CL
13.0					Bottom of test pit @ 13.0'

*ASTM D-1586

DRILLING LOG

WELL NUMBER P-21 OWNER _____
LOCATION _____ ADDRESS SMWT, Hollywood, MD
_____ _____
_____ TOTAL DEPTH 15.0'
SURFACE ELEVATION _____ WATER LEVEL No water
DRILLING COMPANY Baw-Co Excav DRILLING METHOD Backhoe DATE DRILLED 7/1/86
DRILLER _____ HELPER _____

LOG BY Venn, Tordone

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0.5		01			Dark brn silty clay with medium to fine sand, some tree roots, medium plasticity, moist CL-SC
1.0		02			
		03			Light brn silty clay with fine sand, some tree roots, medium plasticity, moist CL
		04			Orange brn. silty clay with fine sand, medium plasticity, moist. CL
3.0		05			Orange brn to red silty clay, with white silty clay lenses, trace fine sand, medium to high plasticity, moist. CL-CH
		06			
7.0		07			White silty clay with orange medium to fine sand, some lamination, medium to high plasticity, moist. CL-CH, SP
9.0					Orange medium to fine sand, with white silty clay seams, poorly graded, moist. SP, CL-CH
13.0		08			Orange silty to clayey medium sand, poorly graded, medium plasticity, moist. SC-SM
15.0					Bottom of test pit @ 15.0'

DRILLING LOG

WELL NUMBER P-22 OWNER _____

LOCATION _____ ADDRESS SWMT, Hollywood, MO.

_____ _____

_____ TOTAL DEPTH 15.0'

SURFACE ELEVATION _____ WATER LEVEL No water

DRILLING COMPANY Bow-Co Excav DRILLING METHOD Backhoe DATE DRILLED 7/1/86

DRILLER _____ HELPER _____

LOG BY Varn, Tardone

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
		01			Dark brn fine sandy, silty clay, medium plastic to moist CL-SC
		02			
		03			Orange silty clay and medium to fine sand, medium plasticity, moist CL-SC
		04			
		05			
					Orange silty sand, little clay, poorly graded, moist SM
		06			Yellow to yellow orange medium sand, little clay, slightly plastic, moist SP-SC
					Orange silty coarse to medium sand, poorly graded, wet. SM
		07			
					Bottom of test pit @ 15.0'

*ASTM D-1586

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SHEET 1 OF 1

AR301885

DRILLING LOG

WELL NUMBER P-23 OWNER
LOCATION ADDRESS SMWT, Hollywood, MD.
TOTAL DEPTH 9.0'
SURFACE ELEVATION WATER LEVEL 9.0'
DRILLING COMPANY Baw Co Excav DRILLING METHOD Backhoe DATE DRILLED 7/1/86
DRILLER HELPER
LOG BY Vann, Tardone

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		01			Dark brn. silty clay, some sand low plasticity, damp to moist. CL
0.5		02			
2.0		03			Light brn medium to fine sand and silty clay, medium plasticity, moist. SC
		04			Orange silty clay, some coarse to medium sand, low plasticity, moist. CL
		05			
7.0		06			Orange, yellow and white silty clay, some coarse to medium sand, low plasticity, moist. CL
8.0		07			Orange brn. clayey silty sand, low plasticity, poorly graded, wet to saturated. SC-SM
9.0					Bottom of test pit @ 9.0'

* ASTM D-1586

DRILLING LOG

WELL NUMBER P-24 OWNER
LOCATION ADDRESS SMWT, Hollywood, MD.
TOTAL DEPTH 15.0'
SURFACE ELEVATION WATER LEVEL No water
DRILLING COMPANY Bay-Co Excav DRILLING METHOD Backhoe DATE DRILLED 7/1/86
DRILLER HELPER
LOG BY. Vann, Tordone

SKETCH MAP

NOTES

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		01			Dark brn, black and orange silty coarse to medium sand, poorly graded, damp. SM
1.0		02			
2.0		03			Orange sand, little silt well graded, damp.
3.0		04			Orange brn and pink silty clay, with sand seams, medium plasticity, damp. CL, SP
		05			Olive green to orange silty clay and fine sand, trace silt, high plasticity, mottled, damp. CH-SC
1.5		06			Pale olive to brn. silty medium to fine sand, poorly graded, some staining or contamination, wet. SM
1.0		07			Blk. coarse sand, little silt, with clay seams, poorly graded, stainins or contamination present, wet SP-SM, CH
1.5		08			Olive brn. silty coarse sand w/ blue to black clay seams, poorly graded, wet. SP, CH
0					Bottom of test pit @ 15.0'

*ASTM D-1586

Well MW19

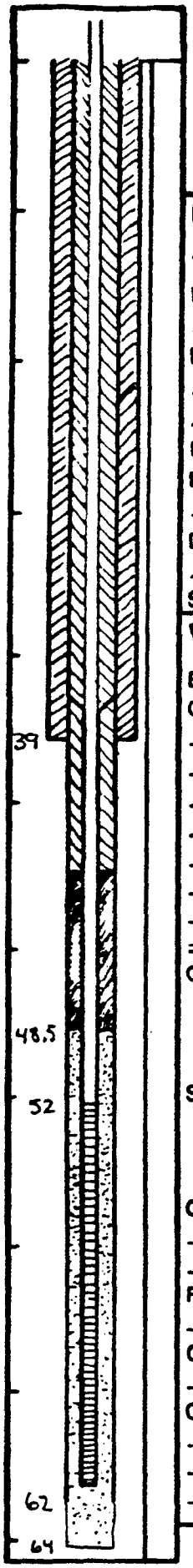
Well Construction Summary

Location or Coords: _____ Elevation: Ground Level _____

Top of Casing _____

Project Southern Maryland Wood Treatment Location Hollywood MD

Personnel Nora Hill



Drilling Summary:

Total Depth 102 ft modified to 64 ft

Borehole Diameter 12" for casing
7.5" below casing

Driller Jeff Corron, Hardin-Huber

Rig Mobile B-50

Bit(s) 12"
7.5"

Drilling Fluid water plus bentonite as needed

Surface Casing 8" low carbon steel

Well Design:

Basis: Geologic Log X Geophysical Log X

Casing String(s): C = Casing S = Screen

0	-	39	C1		-		
0	-	52	C2		-		
52	-	62	S		-		
	-				-		
	-				-		
	-				-		
	-				-		
	-				-		

Casing: C1 low carbon steel surface casing, 8" ID

C2 4" ID PVC riser pipe, sched 40, flush joint

Screen: S1 4" ID PVC, sched 40, #10 continuous wound

S2 _____

Centralizers _____

Filter Material coarse sand

Cement Type I Portland

Other _____

Construction Time Log:

Task	Start Date	Start Time	Finish Date	Finish Time
Drilling:				
12"	12/9	1450	12/9	1645
7.5"	12/11	0952	12/14	1029
Geophys. Logging:	12/14	1029	12/14	1103
Casing:				
8"	12/10	0904	12/10	1147
4"	12/16	0825	12/16	0843
Filter Placement:	12/16	0843	12/16	0917
Cementing:	12/16	0928	12/16	0946
Development:				
Other:				

Well Development:

Comments:

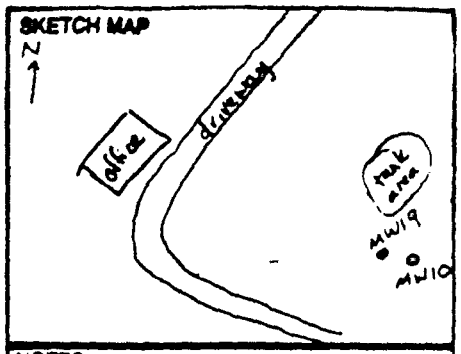
WESTON DESIGNERS CONSULTANTS

WESTON

DRILLING LOG

WELL NUMBER: MW-19
LOCATION: next to MW-10
OWNER:
ADDRESS: SMWT Hollywood MD
TOTAL DEPTH 102' modified to 64'
SURFACE ELEVATION:
WATER LEVEL:
DRILLING COMPANY: Hardin-Huber
DRILLING METHOD: Mud Rotary
DATE DRILLED: 12-9-87 to 12-16-87
DRILLER: Jeff Corron
HELPER: Mike Parsons, Mike Corran
LOG BY: Nora Hill

SKETCH MAP



NOTES:

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		CU			orange, yellow silt, fine white sand firm
15		CU			orange silt, fine sand

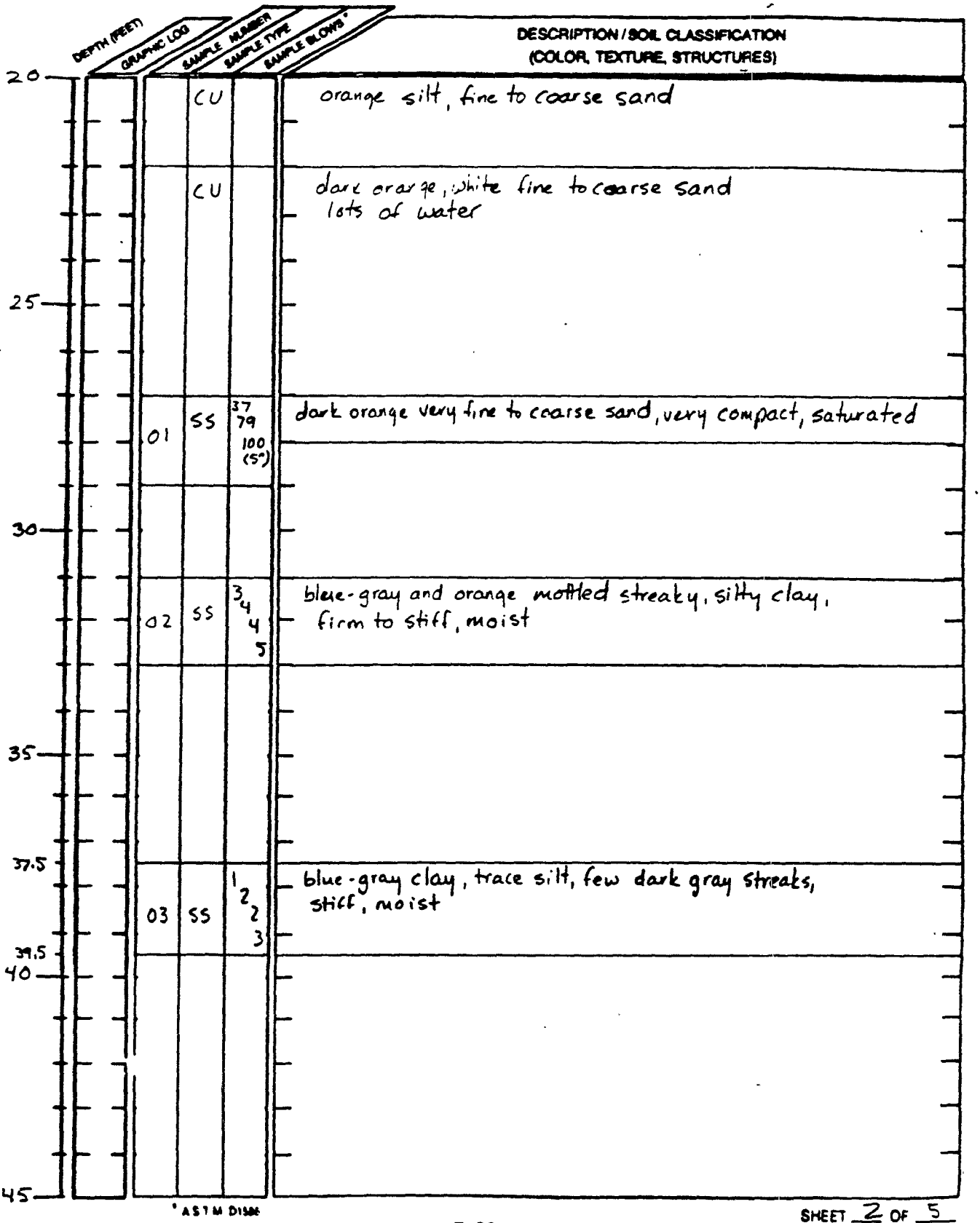
* A.S.T.M. D1586

SHEET 1 OF 5

WESTON

DRILLING LOG (Cont'd)

WELL NUMBER: MW-19

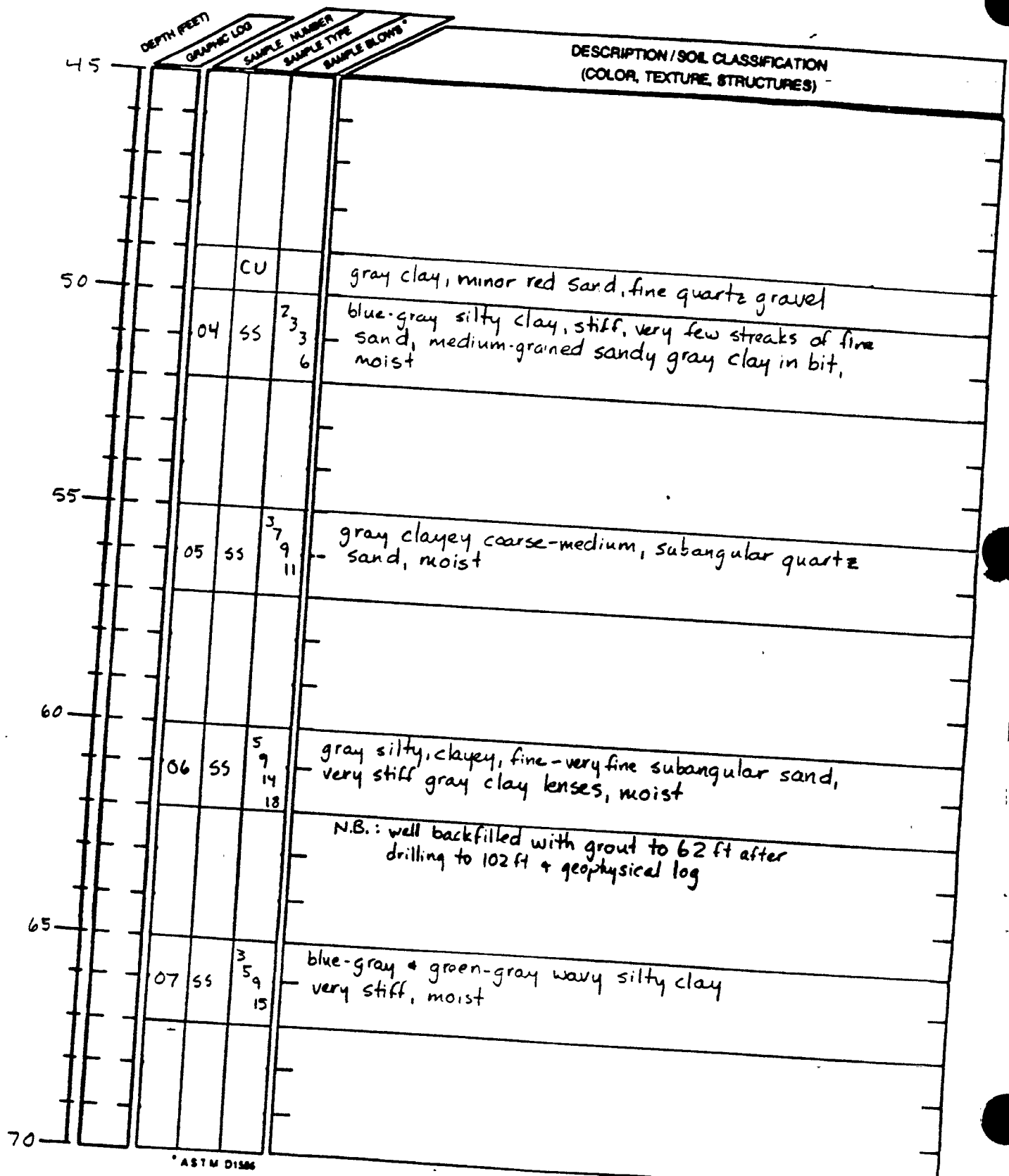


* ASTM D1586

WESTON

DRILLING LOG (Cont'd)

WELL NUMBER: MW-19



WESTON

DRILLING LOG (Cont'd)

WELL NUMBER: MW-19

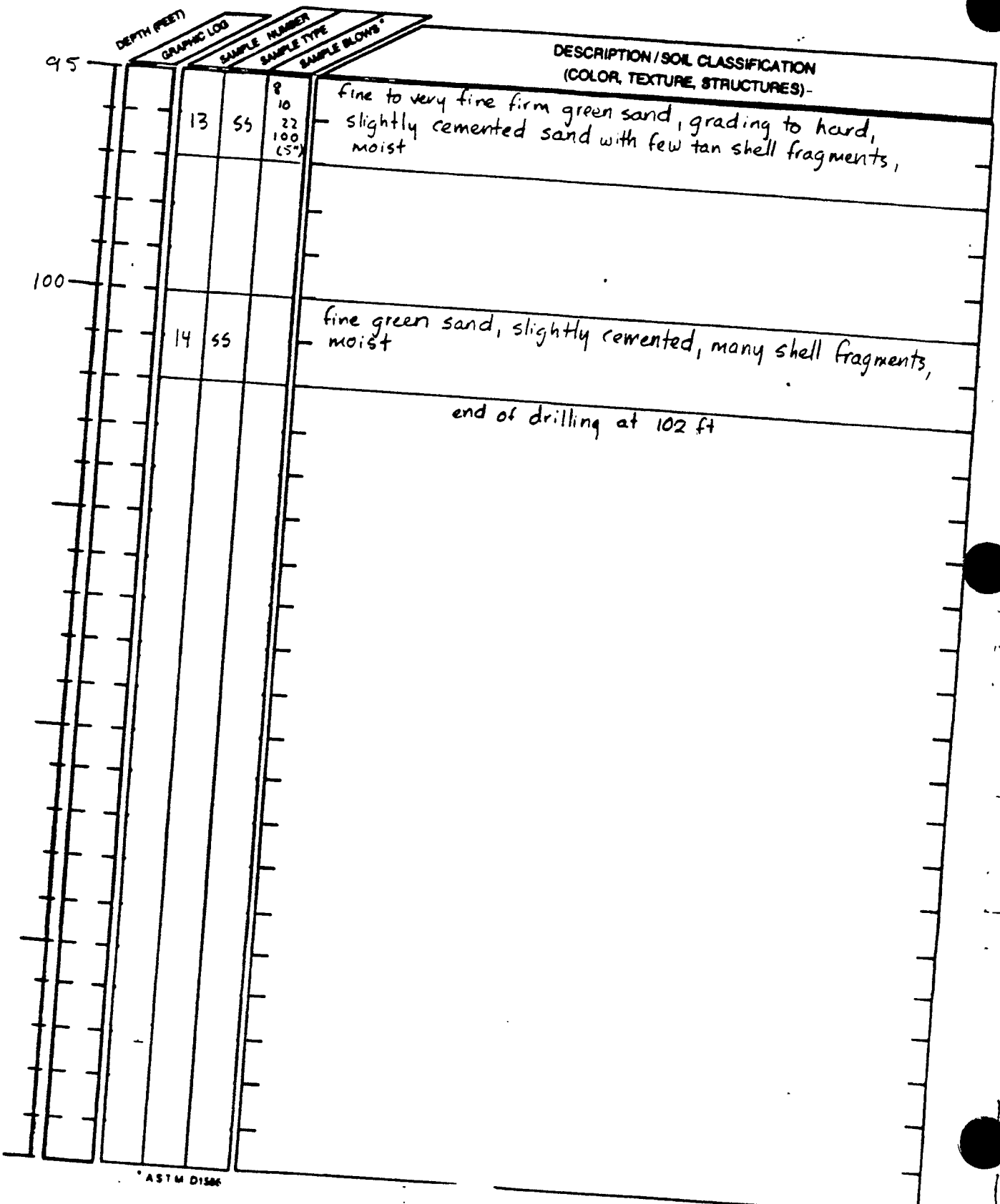
DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
70		08	SS	5 6 6 20	green-gray silty clay, streaks of very fine gray sand & silt, very stiff, moist
73.5					Harder drilling
75		09	SS	22 39 59 100 (5")	fine to very fine gray silty sand moist, very compact
80		10	SS	9 12 19 31	very fine gray silty sand, moist, compact
85		11	SS	3 6 6 10	very fine green-gray silty clayey sand, pockets of fine sand, small streaks of gray clay, moist, compact
90		12	SS	3 3 4 7	fine to very fine green silty sand, gray streaks, moist, firm
95					

* ASTM D1586

WESTON

DRILLING LOG (Cont'd)

WELL NUMBER: MW-19



Well MW-20

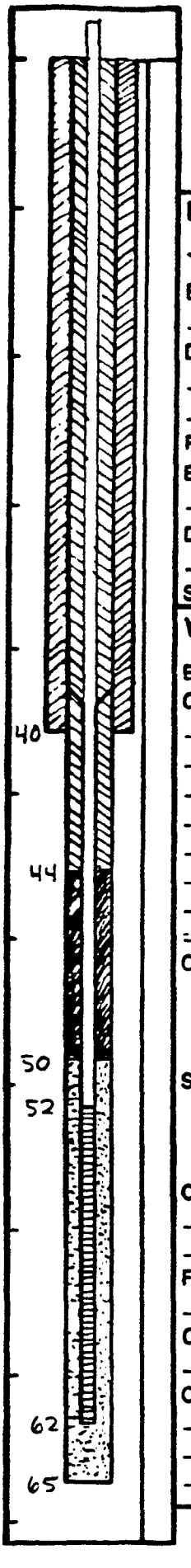
Well Construction Summary

Location or Coords: _____ Elevation: Ground Level _____

Top of Casing _____

Project Southern Maryland Wood Treatment Location Hollywood MD

Personnel Nora Hill



Drilling Summary:

Total Depth 65 ft

Borehole Diameter 12" for casing
7.5" below casing

Driller Jeff Corron, Hardin-Huber

Rig Mobile B-80

Bit(s) 12"
7.5"

Drilling Fluid water plus bentonite as needed

Surface Casing 8" low Carbon steel

Well Design:

Basis: Geologic Log X Geophysical Log X

Casing String(s): C = Casing S = Screen

0	-	40	C_1		-		
0	-	52	C_2		-		
52	-	62	S		-		
	-				-		
	-				-		
	-				-		
	-				-		
	-				-		

Casing: C1 low carbon steel surface casing, 8" ID

C2 4" ID PVC riser pipe, sched 40 flush joint

Screen: S1 4" ID PVC, sched 40, #10 continuous wound

S2 _____

Centralizers _____

Filter Material coarse sand

Cement Type I portland

Other _____

Construction Time Log:

Task	Start Date	Start Time	Finish Date	Finish Time
Drilling:				
12"	12/17	1039	12/17	1255
7.5"	12/18	0915	12/18	1115
Geophys. Logging:	12/18	1520	12/18	1618
Casing:				
8"	12/17	1255	12/17	1455
4"	12/18	1618	12/18	1630
Filter Placement:	12/18	1630	12/18	1647
Cementing:	12/19	0812	12/19	0904
Development:				
Other:				

Well Development:

Comments:

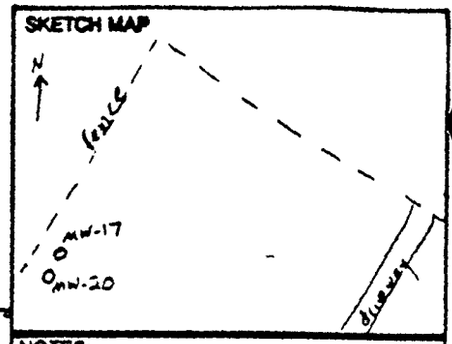
WESTON DESIGNS CONSULTANTS

WESTON

DRILLING LOG

WELL NUMBER: MW-20 OWNER: SMWT
LOCATION: next to MW-17 ADDRESS: Hollywood MD
TOTAL DEPTH 65 ft
SURFACE ELEVATION: WATER LEVEL:
DRILLING COMPANY: Hard'n-Huber DRILLING METHOD: Mud Rotary DATE DRILLED: 12-17-87 - 12-19-87
DRILLER: Jeff Corran HELPER: Mike Corran, Mike Parsons
LOG BY: Nora Hill, Bill Clavin

SKETCH MAP



NOTES:

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0					No samples taken Drilled to 25 ft based on log of MW-17
25		01	SS	8 13 12 12	tan + orange, medium-grained, subangular, well sorted sand, white striations and lenses, semi-compact to compact, moist
30		02	SS	14 19 18 27	orange coarse sand, little fine gravel, compact, moist
35		03	SS	11 8 5 5	orange soft silty clay, few sand + gravel pieces, grading to firm gray silty clay, moist, plastic
40					

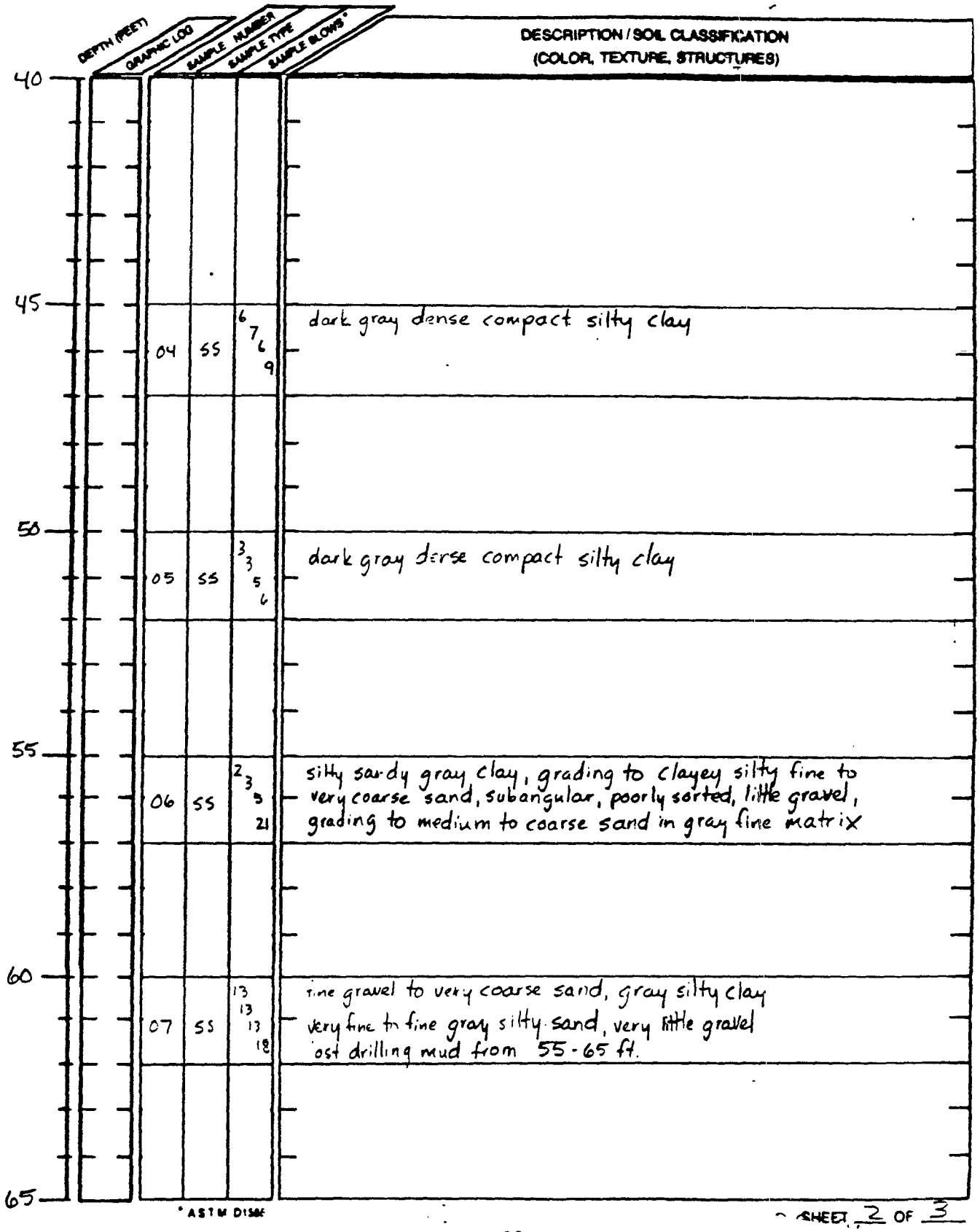
* A.S.T.M D1586

SHEET 1 OF 3

WESTON

DRILLING LOG (Cont'd)

WELL NUMBER: MW-20



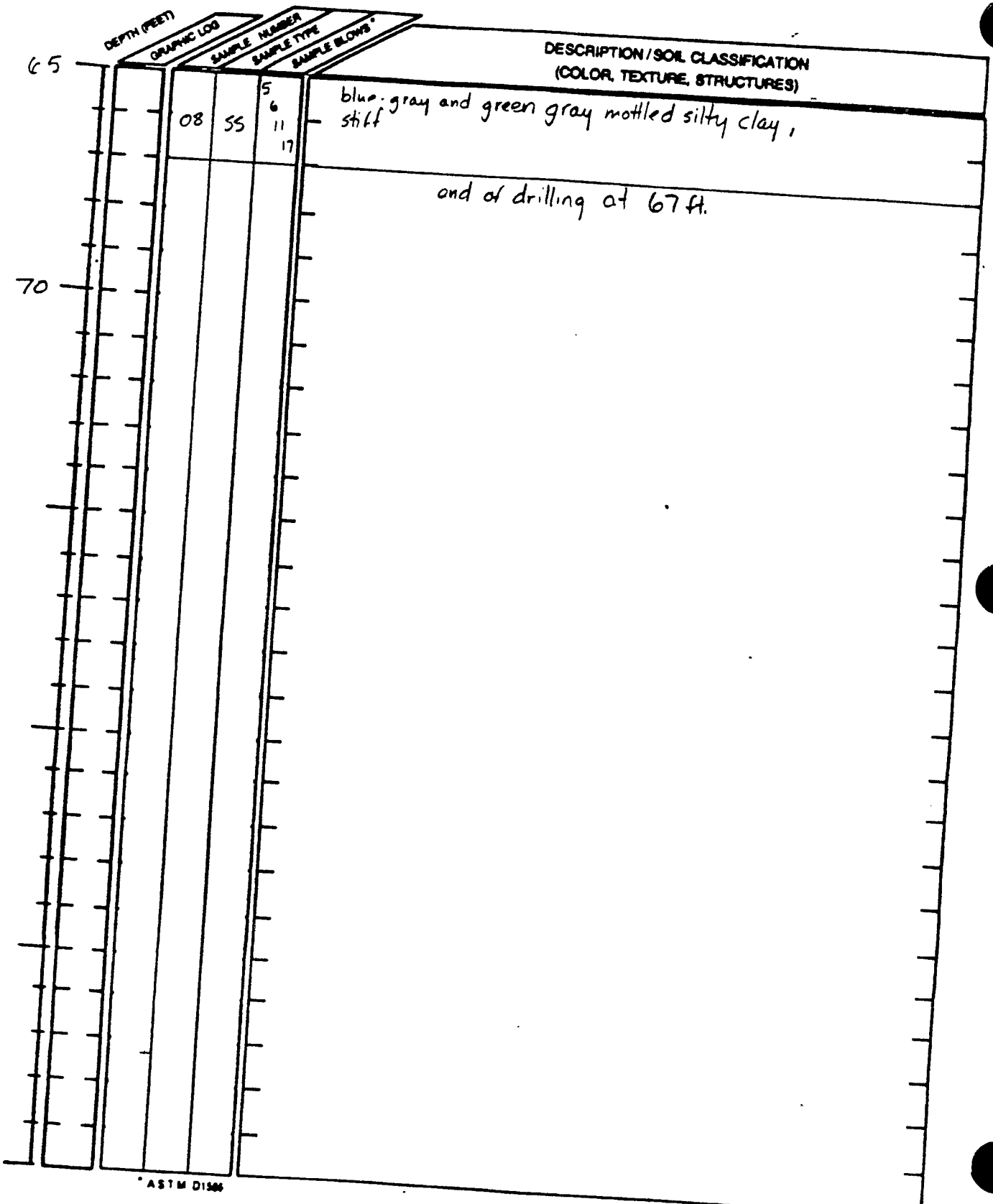
* ASTM D1586

AR301896

WESTON

DRILLING LOG (Cont'd)

WELL NUMBER: MW-20

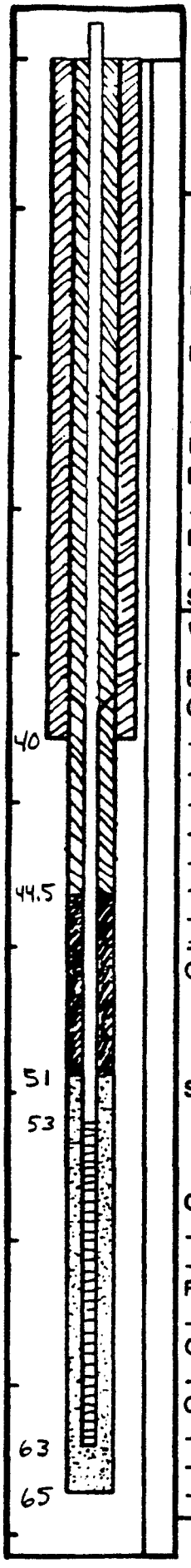


Well MW-21

Well Construction Summary

Location or Coords: _____ Elevation: Ground Level _____

Top of Casing _____



Project Southern Maryland Wood Treatment

Location Hollywood MD

Personnel Area Hill

Drilling Summary:

Total Depth 65ft

Borehole Diameter 12" for casing
7.5" below casing

Driller Jeff Corron, Hardin-Huber

Rig Mobile B-80

Bit(s) 12"
7.5"

Drilling Fluid water plus bentonite as needed

Surface Casing 8" low carbon steel

Well Design:

Basis: Geologic Log X Geophysical Log X

Casing String(s): C=Casing S=Screen

0	40	C1			
0	53	C2			
53	63	S			

Casing: C1 low carbon steel surface casing, 8" ID,

C2 4" ID PVC riser pipe, sched 40, flush joint

Screen: S1 4" ID PVC, sched 40, #10 continuous wound

S2 _____

Centralizers _____

Filter Material coarse sand

Cement Type I portland

Other _____

Construction Time Log:

Task	Start Date	Start Time	Finish Date	Finish Time
Drilling:				
12"	12/19	1351	12/19	1440
7.5"	12/22	0802	12/22	0950
Geophys. Logging:	12/22	1233	12/22	1251
Casing:				
8"	12/19	1440	12/21	1032
4"	12/22	1328	12/22	1353
Filter Placement:	12/22	1353	—	—
Cementing:	—	—	12/22	1500
Development:				
Other:				

Well Development:

Comments:

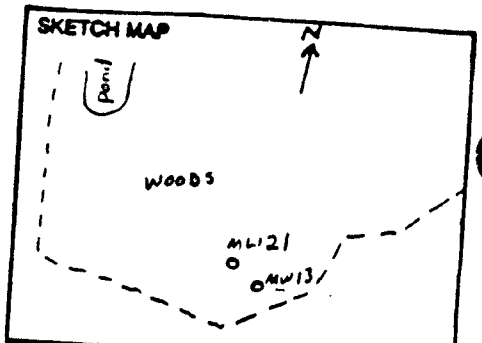
E-91

WESTON

DRILLING LOG

WELL NUMBER: MW-21
LOCATION: next to MW-13
OWNER: SMWT
ADDRESS: Hollywood MD
TOTAL DEPTH 65 ft
SURFACE ELEVATION:
WATER LEVEL:
DRILLING COMPANY: Hardin-Huber
DRILLING METHOD: Mud Rotary
DATE DRILLED: 12-19-87 to 12-22-87
DRILLER: Jeff Corran
HELPER: Mike Corran, Mike Parsons
LOG BY: Nora Hill

SKETCH MAP



NOTES:

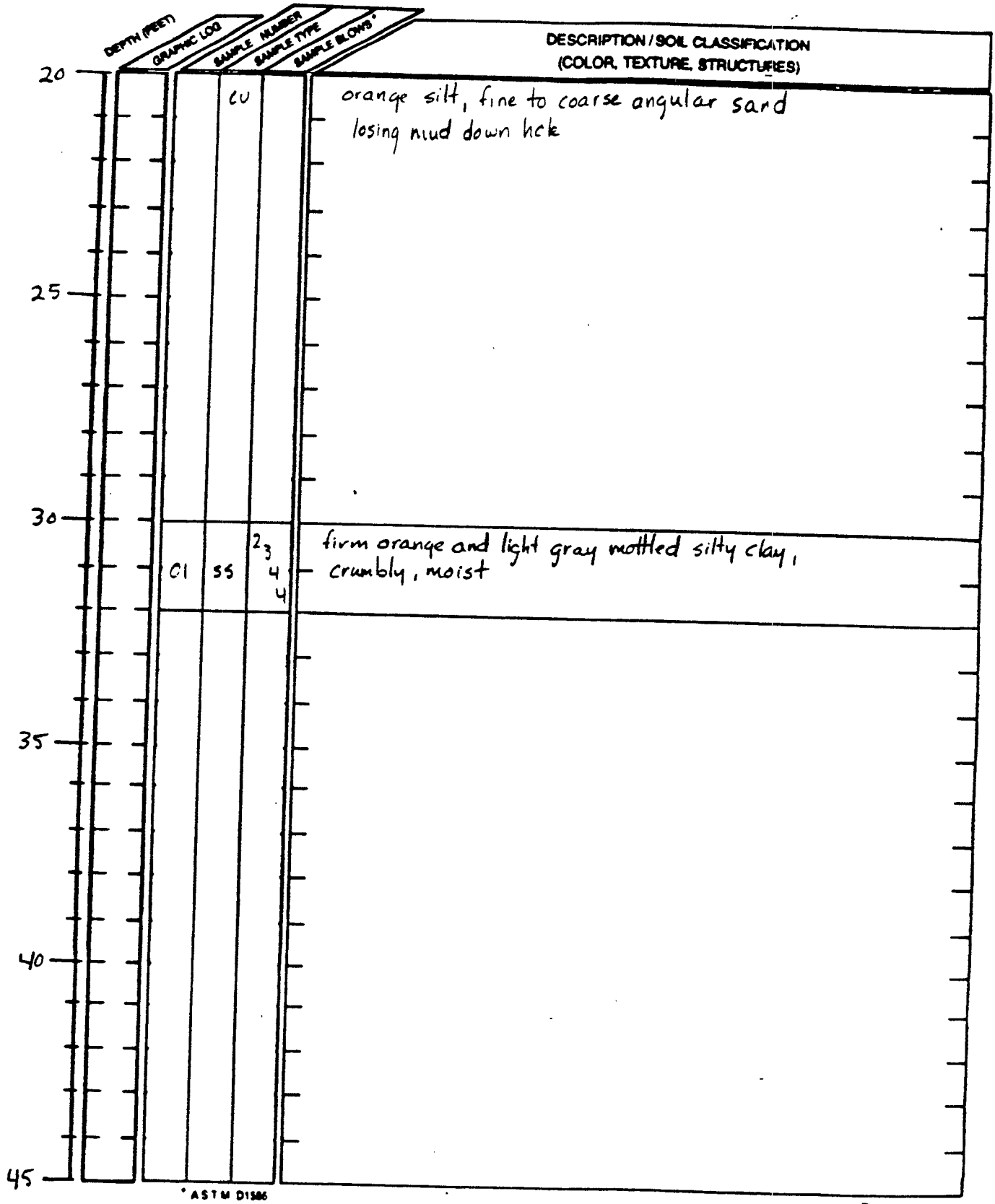
DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0			CU		orange-brown silt, fine to very fine sand
					no samples taken, drilling to 30 ft based on log of MW-13
5					
10					
15			CU		bright orange silt, fine to very fine sand
20					

* A.S.T.M. D1586

WESTON

DRILLING LOG (Cont'd)

WELL NUMBER: MW-21

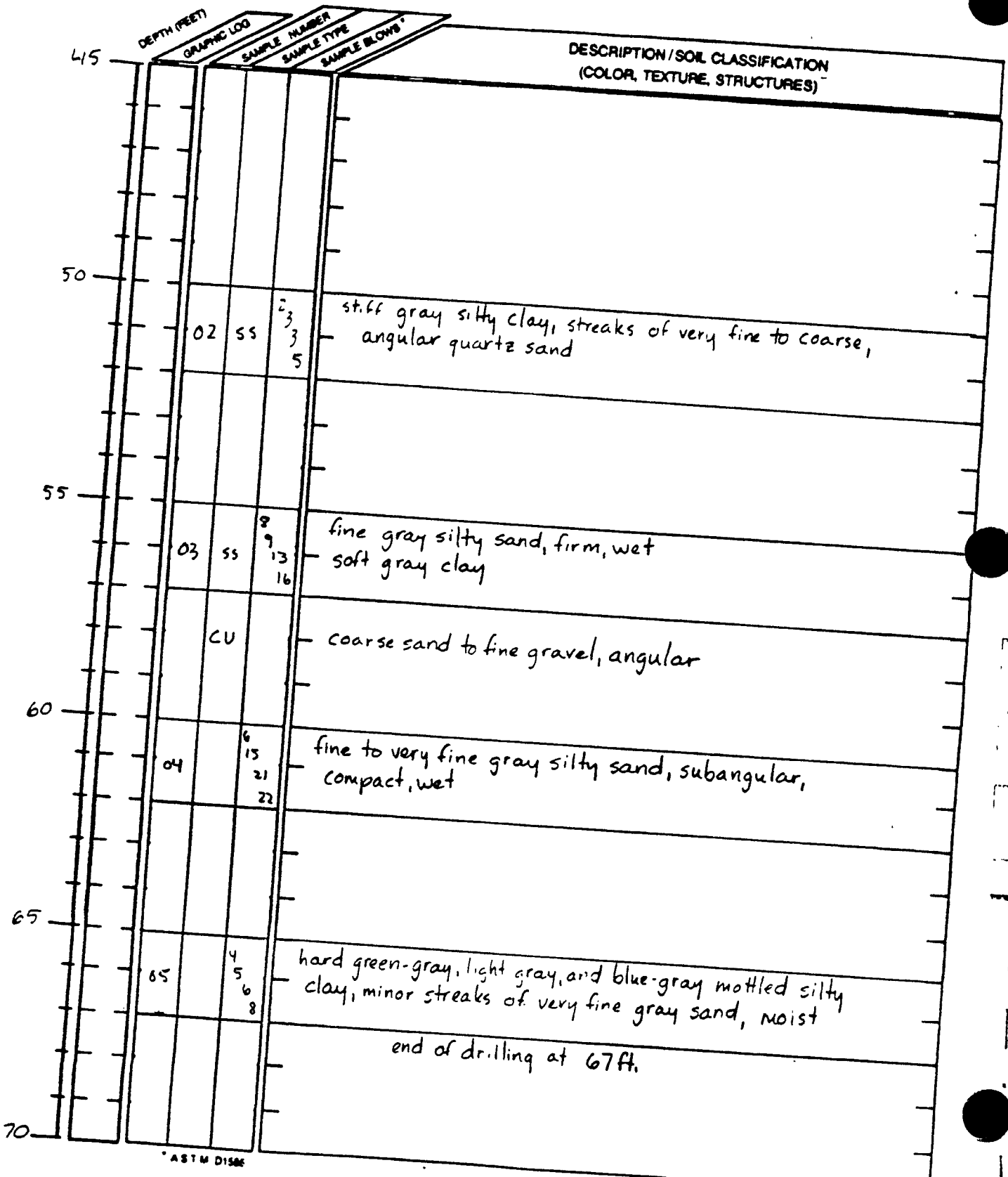


* ASTM D1586

WESTON

DRILLING LOG (Cont'd)

WELL NUMBER: MW-21

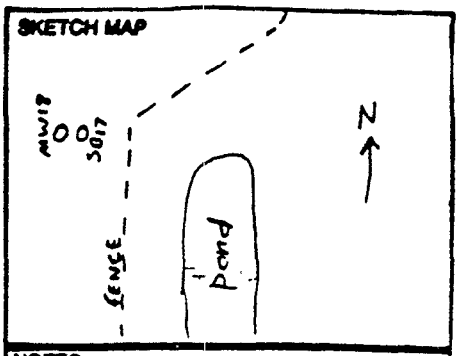


WESTON

DRILLING LOG

WELL NUMBER: SB-17 OWNER: SMWT
LOCATION: W of property, next to MW-18 ADDRESS: Hollywood MD
TOTAL DEPTH
SURFACE ELEVATION: WATER LEVEL: 8.5 ft
DRILLING COMPANY: Geomatrix DRILLING METHOD: HSA DATE DRILLED: 16 Dec 87
DRILLER: Paul Suit HELPER:
LOG BY: Nora Hill

SKETCH MAP



NOTES:

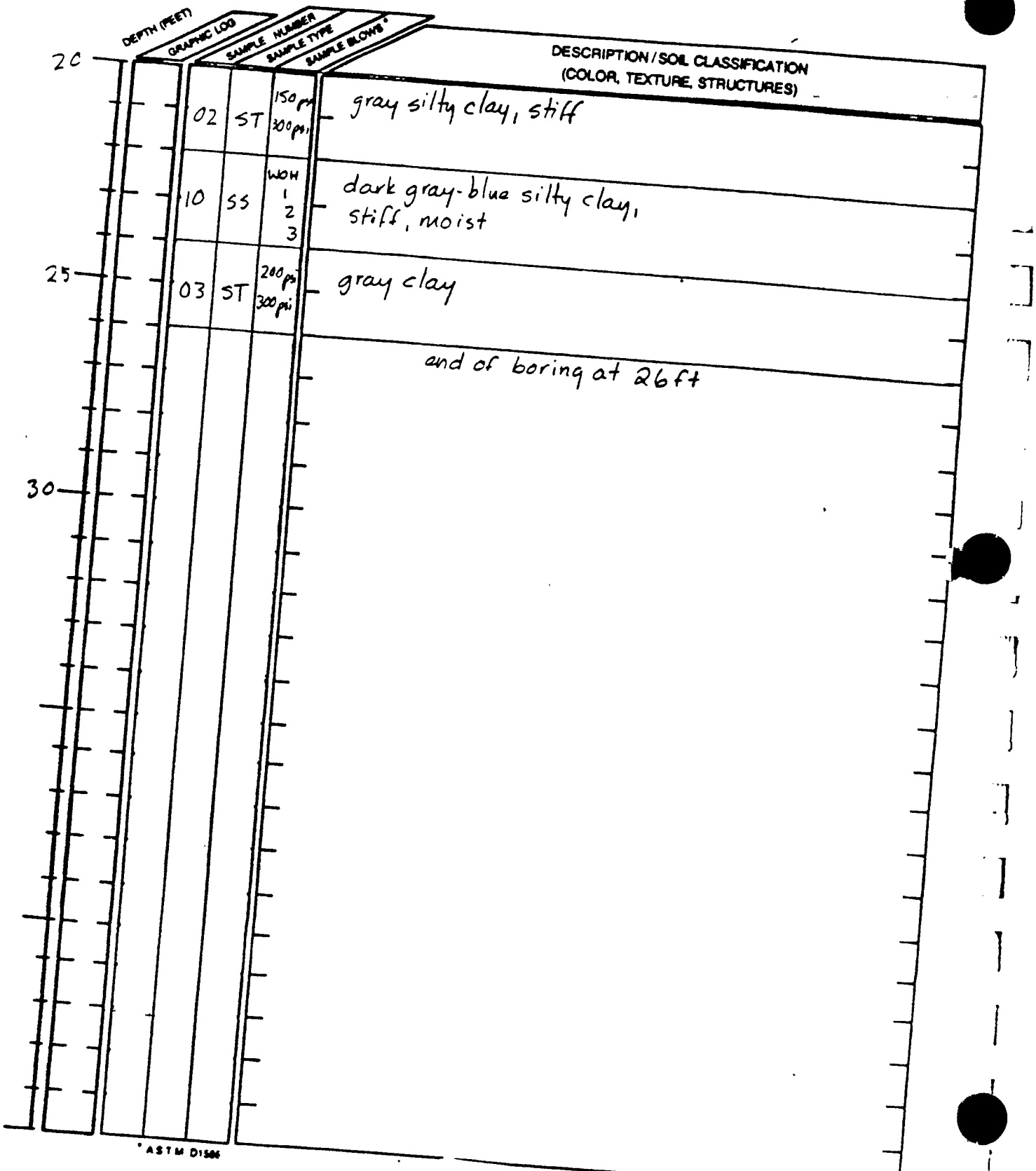
DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		01	SS	1, 2, 3, 2	brown sandy clayey silt, orange streaks firm, moist
		02	SS	2, 2, 2, 3	light brown to dark brown silty clayey sand, orange streaks, micaceous, loose, top moist, bottom wet
5		03	SS	1, 2, 3, 2	beige and orange silty medium to coarse quartz sand, few pieces of quartz gravel, loose, wet
		04	SS	3, 5, 6, 7	light gray silty medium-grained sand, bright orange stained spots, wet, loose
		05	SS	2, 2, 6, 7	orange-brown silty clayey medium-grained sand and light gray and orange medium to coarse silty clayey sand, loose, wet
10		06	SS	1 (12"), 4, 5	light gray and orange stained medium to coarse silty sand, loose, wet
		07	SS	5, 3, 1, 1	orange silty medium to coarse quartz sand, few quartz gravel pieces, orange silty clay in bit
15		01	ST	100 psi, 300 psi	top of shelby tube: medium to coarse orange silty sand bottom of shelby tube: orange and gray silty clay
		08	SS	1, 2, 2, 3	orange silty fine-medium sand, loose, wet, grading to firm orange silty clay, gray streaks and spots, occasional sand spots
		09	SS	2, 3, 4, 5	orange + light gray mottled firm silty clay and dark blue-gray stiff silty clay, moist
20					

* A.S.T.M. D1586

WESTON

DRILLING LOG (Cont'd)

WELL NUMBER: SB-17



AR301903

Well MW-18

Well Construction Summary

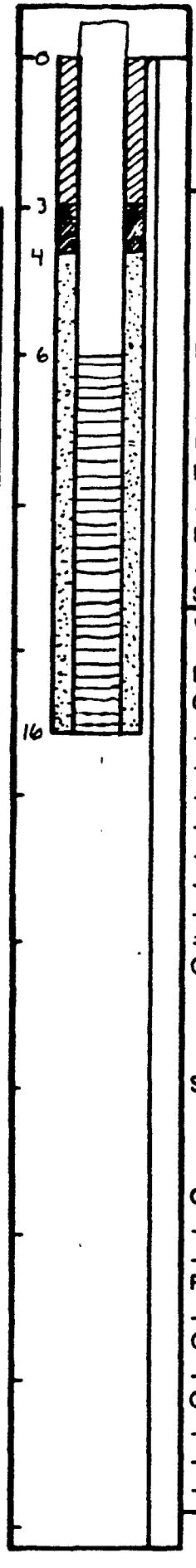
Location or Coords: _____ Elevation: Ground Level _____

Top of Casing _____

Project Southern Maryland Wood Treatment

Location Hollywood MD

Personnel Nora Hill



Drilling Summary:

Total Depth 16 ft.

Borehole Diameter 8"

Driller Paul Suit, Geomatrix

Rig Mobile B-56

Bit(s) _____

Drilling Fluid none

Surface Casing none

Well Design: see log of SB-17

Basis: Geologic Log X Geophysical Log _____

Casing String(s): C=Casing S=Screen

0	-	6	C		-		
6	-	16	S		-		
	-				-		
	-				-		
	-				-		
	-				-		
	-				-		
	-				-		

Casing: C1 4" ID PVC riser pipe, sched 40, flush joint

C2 _____

Screen: S1 4" ID PVC, sched 40, #10 continuous wound

S2 _____

Centralizers _____

Filter Material coarse sand

Cement Type I Portland

Other _____

Construction Time Log:

Task	Start Date	Start Time	Finish Date	Finish Time
Drilling:				
	12/16	1603	12/16	1647
Geophys. Logging:				
Casing: 4"	12/16	1647	12/16	1656
Filter Placement:	12/16	1656	12/16	1727
Cementing:	12/16	1727	12/16	1751
Development:				
Other:				

Well Development:

Comments:

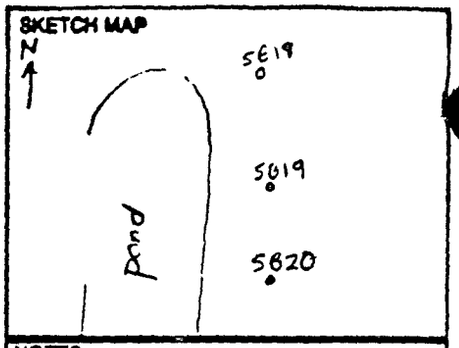
MW-18 installed about 3 ft from SB-17. Hole for MW-18 was drilled without logging. See boring log for SB-17 for soil descriptions

WESTON

DRILLING LOG

WELL NUMBER: SB-18 OWNER: SMWT
LOCATION: NE corner of pond ADDRESS: Hollywood MD
TOTAL DEPTH 25 ft
SURFACE ELEVATION: WATER LEVEL: 6 ft
DRILLING COMPANY: Geomatrix DRILLING METHOD: HSA DATE DRILLED: 17 Dec 87
DRILLER: Paul Suit HELPER: Vernon, Don
LOG BY: Nora Hill

SKETCH MAP



NOTES:

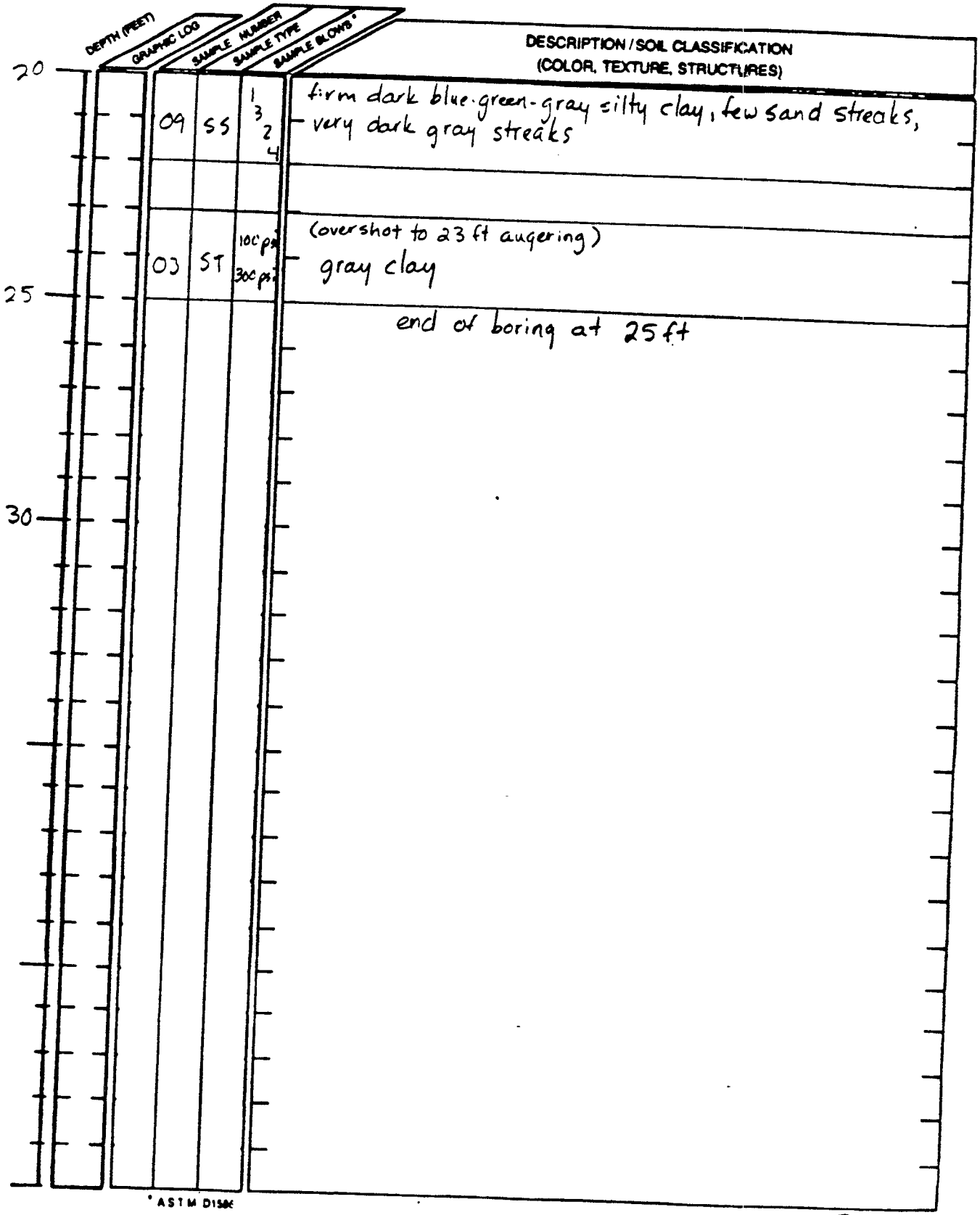
DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		01	SS	1, 3, 6	brown fine-medium sandy silt, orange and black streaks, grass and humic material, very stiff, moist
		02	SS	7, 6, 12, 12	brown sandy silt, frequent black streaky discoloration, very stiff, moist, some wood pieces
5		03	SS	8, 5, 4, 15	brown sandy silt, orange + black streaks, organic material, and light gray silty fine sand, yellow streaks, firm grading to loose, wet
		04	SS	3, 6, 8, 9	gray grading to orange silty very coarse to medium sand, loose, wet
		05	SS	4, 8, 8, 8	orange silty medium to very coarse sand, few gray silty patches, 2" section of discoloration: black fleck and a purple hue
10		06	SS	4, 6, 8, 9	N.B.: split spoon taken after Shelby tube failed to recover any sample. Medium to very coarse orange silty sand, loose, wet, overlying very stiff orange silty clay, minor sand, slightly plastic to friable
		07	SS	WOH (18"), 1	NB: split spoon again taken after failed Shelby tube. soft to firm orange and gray mottled silty clay grading to soft gray silty clay
15		08	SS	WOH (12"), 1, 3	NB: split spoon again taken after failed Shelby tube. soft gray-blue silty clay, darker gray streaks
		01	ST	500 psi, 400 psi	firm blue-gray clay, slightly crumbly
		02	ST	100 psi, 300 psi	firm gray clay
20					

* A.S.T.M. D1586

WESTON

DRILLING LOG (Cont'd)

WELL NUMBER: SB-18



SHEET 2 OF 2

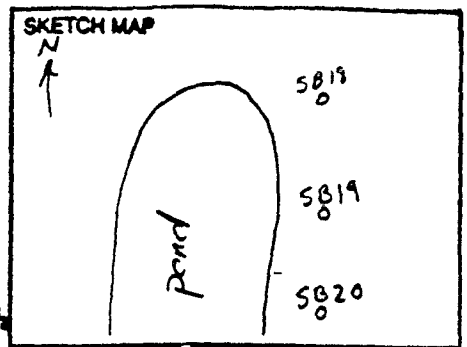
AR301906

WESTON

DRILLING LOG

WELL NUMBER: SB-19 OWNER: SMWT
LOCATION: E edge of pond ADDRESS: Hollywood MD
TOTAL DEPTH 26 ft
SURFACE ELEVATION: WATER LEVEL:
DRILLING COMPANY: Geomatrix DRILLING METHOD: HSA DATE DRILLED: 17 DEC 87 to 18 DEC 87
DRILLER: Paul Suit HELPER: Vernon, Don
LOG BY:

SKETCH MAP



NOTES:

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		01	SS	1 3 4	firm brown sandy silt, orange streaks, gray clay streaks, humic, moist
		02	SS	4 9 8 6	orange + brown mottled silty sand, grading to brown + gray mottled silty sand, moist
5		03	SS	6 8 6 6	medium to fine orange-brown silty sand and light gray + dark gray mottled silty sand with streaky black discoloration, moist
		04	SS	5 5 7 8	loose orange-brown medium to coarse silty sand, black streaks, wet
		05	SS	4 6 8 10	very loose orange-brown medium to coarse silty sand, wet
10		06	SS	3 10 3 3	medium to very coarse orange-brown + dark brown mottled silty sand, increasing silt content with depth, wet, soft orange + brown mottled silty clay in bit.
		01	ST	100 psi	top of Shelby tube: soft gray + dark blue-gray clay bottom of shelby tube: firm dark blue-gray clay
15		07	SS	1 1 2 2	soft orange-brown silty clay grading to firm blue-gray silty clay
		02	ST	300 psi	stiff blue-gray silty clay
		08	SS	1 2 3 3	firm dark blue-gray silty clay mottled with blue-greenish-gray silty clay, plastic, moist
20					

* A.S.T.M. D1586

SHEET 1 OF 2

E-100

AR301907

WESTON

DRILLING LOG (Cont'd)

WELL NUMBER: SB-19

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
20		09	SS	1 1 3 5	stiff dark blue-gray silty clay mottled with blue-greenish-gray silty clay, very few streaks of fine sand, plastic, moist
		10	SS	2 3 5 6	stiff blue-greenish-gray silty clay, few fine sand streaks, soft clay patches, moist
25		03	ST	100 psi 200 psi	stiff gray silty clay
					end of boring at 26 ft
30					

*ASTM D1586

E-101

SHEET 2 OF 2

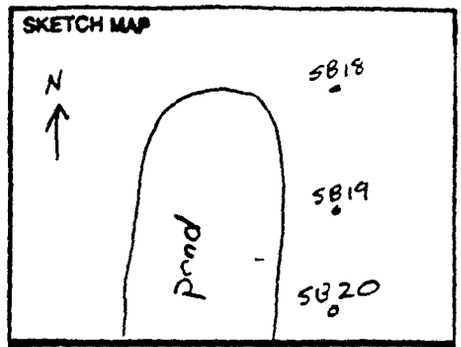
AR301908

WESTON

DRILLING LOG

WELL NUMBER: SB-20 OWNER: SMWT
LOCATION: E edge of pond ADDRESS: Hollywood MD
TOTAL DEPTH 26 ft
SURFACE ELEVATION: WATER LEVEL:
DRILLING COMPANY: Geomatrix DRILLING METHOD: HSA DATE DRILLED: 18 DEC 87
DRILLER: Paul Suit HELPER: Vernon, Don
LOG BY:

SKETCH MAP



NOTES:

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
0		01	SS	2 3 6 6	firm orange-brown sandy silt, moist
		02	SS	2 2	spoon advanced to 3ft and hit auger loose orange-brown medium-grained silty sand
5		03	SS	6 25 100 (1")	loose dark greenish-brown medium-grained silty sand, wet
		04	SS	10 5 6 12	loose dark green-brown to orange-brown fine to coarse silty sand, wet
		05	SS	7 7 6 7	green-orange-brown silty medium sand to fine gravel, loose, wet
10		01	ST	100psi 500psi	Shelby tube only advanced to 11.5" top: medium to coarse orange silty sand bottom: firm orange silty clay, gray streaks
		06	SS	1 1 2 3	firm blue-gray + dark gray mottled silty clay, moist, plastic, sticky
15		07	SS	1 2 3 5	firm blue-gray silty clay, moist, plastic, sticky
		02	ST	50psi 100psi	top of Shelby tube: soft orange clay, wet bottom of Shelby tube: firm blue-gray clay
		08	SS	1 2 3 5	stiff blue-green-gray silty clay, plastic, moist, sticky
20					

* A.S.T.M. D1586

AR301909

WESTON

DRILLING LOG (Cont'd)

WELL NUMBER: SB-20

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
20		09	SS	2 3 4 5	stiff blue-gray silty clay, little very fine sand, moist, sticky
		10	SS	4 3 5 4	stiff blue-gray silty clay, little very fine sand moist, sticky
25		03	ST	100psi 300psi	no description
					end of boring at 26ft
30					

*ASTM D1586

E-103

SHEET 2 OF 2

WESTON

DRILLING LOG

WELL NUMBER: _____ OWNER: _____

LOCATION: _____ ADDRESS: _____

_____ _____

_____ TOTAL DEPTH _____

SURFACE ELEVATION: _____ WATER LEVEL: _____

DRILLING COMPANY: _____ DRILLING METHOD: _____ DATE DRILLED: _____

DRILLER _____ HELPER: _____

LOG BY: _____

SKETCH MAP

NOTES:

DEPTH (FEET)	GRAPHIC LOG	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE BLOWS*	DESCRIPTION / SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)

* A.S.T.M. D1586

SHEET ___ OF ___

Date: 12/22/87

Well Name and Location:
MW-20
Southern MD Wood Treatment

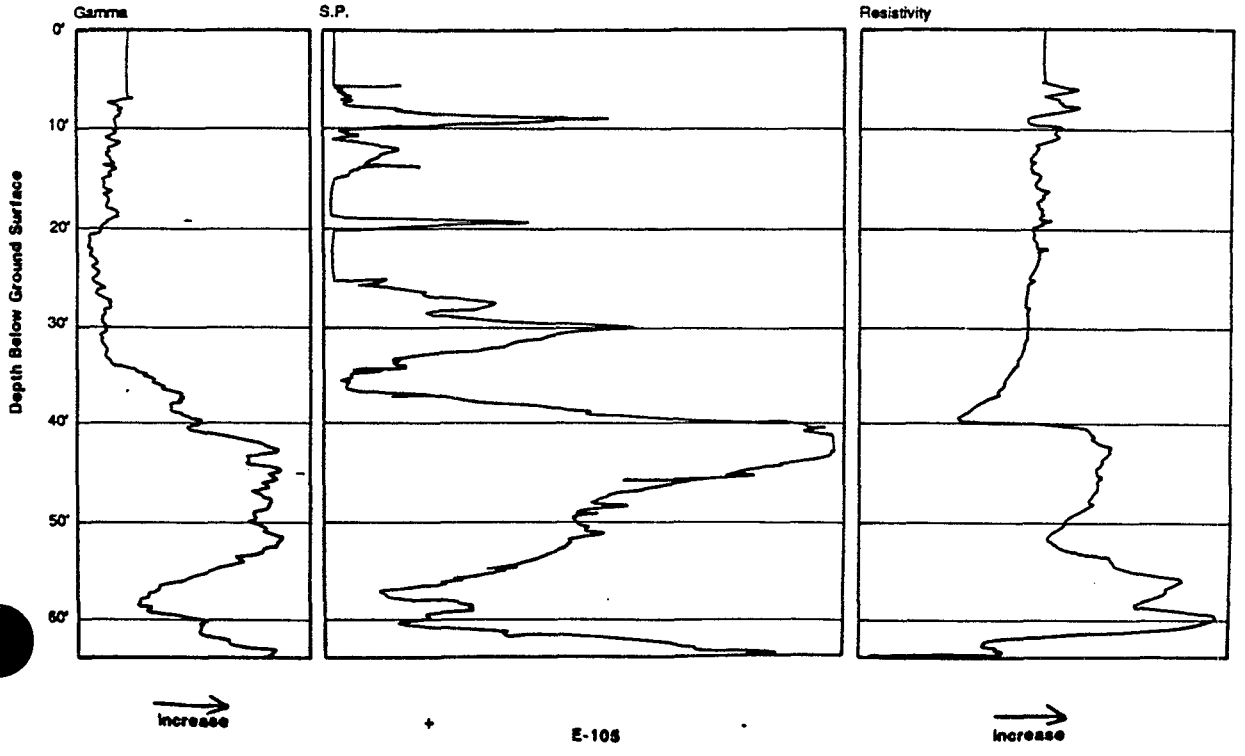
Operator's Name:
C. Sommerfield
Earth Data Inc.

Reference Points:
Ground Surface

Cased Interval:
0-40' Steel

Well Location:

Type of Log	Gamma	S.P.	Rest.	Remarks:
Logged Interval	0-64'	→	→	
Logging Speed	20 FPM	→	→	
Horizontal Scale		400 mv	50 ~	
Vertical Scale	1"=10'	→	→	
Posit./Sens. Setting				
Time Constant	4			
Counting Rate	50			



E-105

Date: 12/27/87

Well Name and Location:
MW-20
Southern MD Wood Treatment

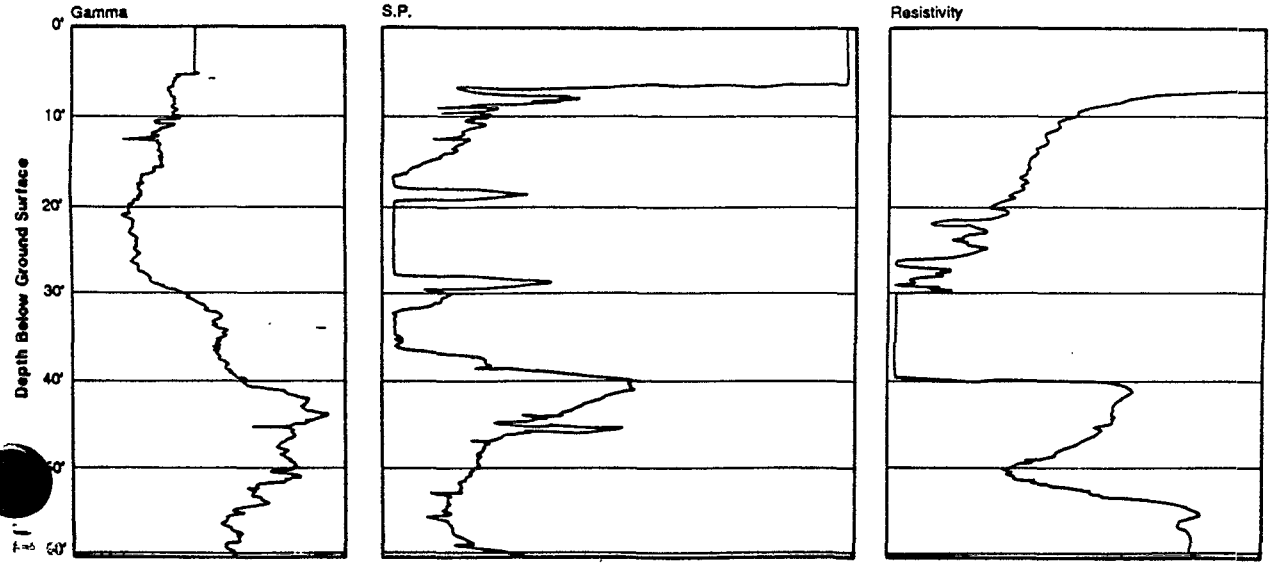
Operator's Name:
Chris Hartman
Earth Data Inc.

Reference Points:
Ground Surface

Cased Interval:
0-48' Steel

Well Location:

Type of Log	Gamma	S.P.	Rest.	Remarks:
Logged Interval	0-62'	→	→	
Logging Speed	20 FPM	→	→	
Horizontal Scale		400 mv	50 ⌒	
Vertical Scale	1"=10'	→	→	
Posit./Sens. Setting				
Time Constant	4			
Counting Rate	50			



Date: 12/14/87

Well Name and Location:
MW-19

Southern MD Wood Treatment

Operators Name:
Chris Hartman
Earth Data Inc.

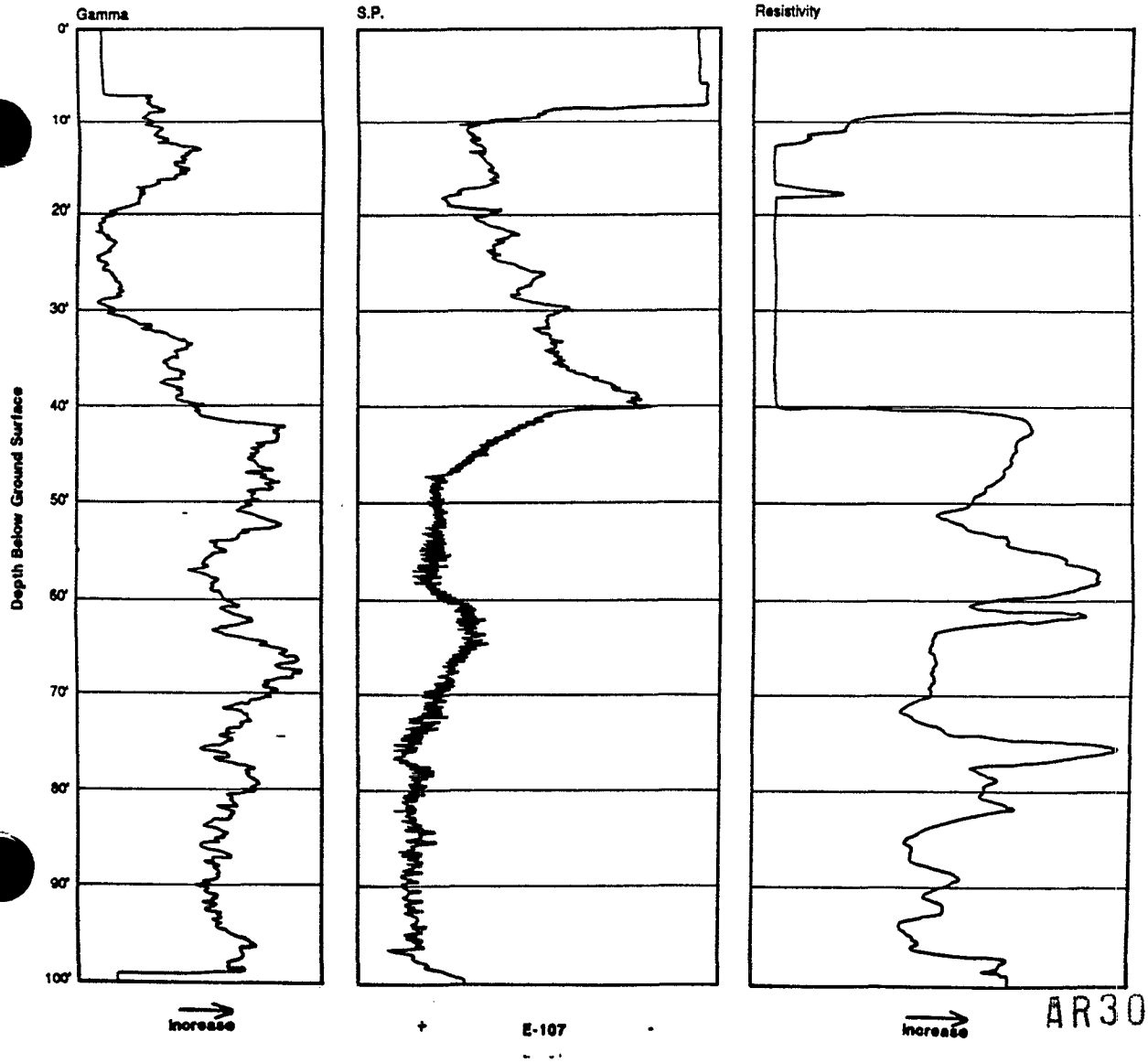
Reference Points:
Ground Surface

Cased Interval:
0-40' Steel

Well Location:

Type of Log	Gamma	S.P.	Rest.
Logged Interval	0-100'		
Logging Speed	20 FPM		
Horizontal Scale		400 mv	50
Vertical Scale	1"=10'		
Posit./Sens. Setting			
Time Constant	4		
Counting Rate	50		

Remarks:



Appendix F

GLOSSARY OF DATA QUALIFIERS

CODES RELATING TO IDENTIFICATION

(confidence concerning presence or absence of compounds):

U = NOT DETECTED. THE ASSOCIATED NUMBER INDICATES APPROXIMATE SAMPLE CONCENTRATION NECESSARY TO BE DETECTED.

(NO CODE) = CONFIRMED IDENTIFICATION

B = NOT DETECTED. SUBSTANTIALLY ABOVE THE LEVEL REPORTED IN LABORATORY OR FIELD BLANKS.

R = UNRELIABLE RESULT. ANALYTE MAY OR MAY NOT BE PRESENT IN THE SAMPLE. SUPPORTING DATA NECESSARY TO CONFIRM RESULT.

CODES RELATED TO QUANTITATION

(can be used for both positive results and sample quantitation limits):

J = ANALYTE PRESENT. REPORTED VALUE MAY NOT BE ACCURATE OR PRECISE.

K = ANALYTE PRESENT. REPORTED VALUE MAY BE BIASED HIGH. ACTUAL VALUE IS EXPECTED TO BE LOWER.

L = ANALYTE PRESENT. REPORTED VALUE MAY BE BIASED LOW. ACTUAL VALUE IS EXPECTED TO BE HIGHER.

UJ = NOT DETECTED. QUANTITATION LIMIT MAY BE INACCURATE OR IMPRECISE.

UL = NOT DETECTED. QUANTITATION LIMIT IS PROBABLY HIGHER.

Suspected Carcinogenic PNAs

Benzo (a) anthracene
Chrysene
Benzo (b) fluoranthene
Benzo (k) fluoranthene
Benzo (a) pyrene
Indeno (1,2,3 - cd) pyrene
Dibenzo (ah) anthracene

Typical Non Carcinogenic PNAs

Napthalene
2-Methylnapthalene
Acenapthene
Fluorene
Phenanthrene
Fluoranthene
Pyrene
Acenapthylene

Attached for your reference is the hazardous substances list (HSL) volatile organic compounds and the HSL semivolatile compounds separated into base/neutral and acid extractable fractions.

VOLATILE ORGANIC COMPOUNDS	ACID EXTRACTABLES	BASE/NEUTRALS
CHLOROMETHANE	PHENOL	NAPHTHALENE
BROMOMETHANE	2-METHYLPHENOL	2-METHYLNAPHTHALENE
VINYL CHLORIDE	4-METHYLPHENOL	ACENAPHTHENE
CHLOROETHANE	2,4-DIMETHYLPHENOL	DIBENZOFURAN
METHYLENE CHLORIDE	2,4,5-TRICHLOROPHENOL	FLUORENE
ACETONE	2,4,6-TRICHLOROPHENOL	PHENANTHRENE
CARBON DISULFIDE	2,4-DICHLOROPHENOL	ANTHRACENE
1,1-DICHLOROETHENE	2,4-DINITROPHENOL	FLUORANTHENE
1,1-DICHLOROETHANE	2-CHLOROPHENOL	PYRENE
TRANS-1,2-DICHLOROETHENE	2-NITROPHENOL	DI-n-BUTYLPHTHALATE
CHLOROFORM	4,6-DINITRO-2-METHYLPHENOL	BENZO(a)ANTHRACENE
1,2-DICHLOROETHANE	4-CHLORO-3-METHYLPHENOL	INDENO(1,2,3-cd)PYRENE
2-BUTANONE	4-NITROPHENOL	DIBENZO(a,h)ANTHRACENE
1,1,1-TRICHLOROETHANE	BENZOIC ACID	BENZO(g,h,i)PERYLENE
CARBON TETRACHLORIDE	PENTACHLOROPHENOL	CHRYSENE
VINYL ACETATE		BENZO(b)FLUORANTHENE
BROMODICHLOROMETHANE		BENZO(k)FLUORANTHENE
1,2-DICHLOROPROPANE		BENZO(a)PYRENE
TRANS-1,3-DICHLOROPROPANE		1,2,4-TRICHLOROBENZENE
TRICHLOROETHENE		1,2-DICHLOROBENZENE
DIBROMOCHLOROMETHANE		1,3-DICHLOROBENZENE
1,1,2-TRICHLOROETHANE		1,4-DICHLOROBENZENE
BENZENE		2,4-DINITROTOLUENE
CIS-1,3-DICHLOROPROPENE		2,6-DINITROTOLUENE
2-CHLOROETHYLVINYLETHER		2-CHLORONAPHTHALENE
BROMOFORM		2-NITROANILINE
4-METHYL-2-PENTANONE		3,3-DICHLOROBENZIDINE
2-HEXANONE		3-NITROANILINE
TETRACHLOROETHENE		4-BROMOPHENYL PHENYLETHER
1,1,2,2-TETRACHLOROETHANE		4-CHLOROANILINE
TOLUENE		4-CHLOROPHENYL PHENYLETHER
CHLOROBENZENE		4-NITROANILINE
ETHYLBENZENE		ACENAPHTHYLENE
STYRENE		BENZYL ALCOHOL
TOTAL XYLENES		BIS-2-CHLOROETHOXY METHANE
		BIS-2-CHLOROETHYL ETHER
		BIS-2-CHLOROISOPROPYL ETHER
		BIS-2-ETHYLHEXYL PHTHALATE
		BUTYLBENZYLPHTHALATE
		DI-N-OCTYL PHTHALATE
		DIETHYLPHTHALATE
		DIMETHYL PHTHALATE
		HEXACHLOROBENZENE
		HEXACHLOROBUTADIENE
		HEXACHLOROCYCLOPENTADIENE
		HEXACHLOROETHANE
		ISOPHORONE
		N-NITROSO-DI-n-PROPYLAMINE
		N-NITROSODIPHENYLAMINE

The Phase II volatile organic analyses results reported in this package are qualified for engineering purposes only. The laboratory BFB tune for OVA analyses did not follow the specific CLP protocol. The GC/MS system must be hardware tuned to meet specified abundance criteria for a maximum of a 50 ng injection of BFB (SOW 785, page E-16, Section 1.3). It is not permissible to co-inject the BFB for this tune requirement with the daily calibration standard because BFB is in this standard as a surrogate at a concentration of 50 ng/mL, which is 250 ng, on a column.

The specific impact (if any) on data quality resulting from this tuning procedure could not be determined, even after consultation with the instrument manufacturer and EPA personnel. As such, the data were qualified as usable for engineering purposes only.

SOUTHERN MARYLAND WOOD TREATING - PHASE II GROUNDWATER SAMPLES

SAMPLE NUMBER	DW-TNK-001	R01-001	R02-001	R03-001/R	R04-001	R05-001	R06-001	R07-001
DIL/CONC FACTOR (VOA)	1	1	1	1	1	1	1	1
DIL/CONC FACTOR (BNA)	1	1	1	1	1	1	1	1
DESCRIPTION	DRILLER WATER							
Chloromethane	10 U							
Bromomethane	10 U							
Vinyl Chloride	10 U							
Chloroethane	10 UJ							
Methylene Chloride	5 UJ							
Acetone	10 U							
Carbon Disulfide	5 UJ							
1,1-Dichloroethene	5 U							
1,1-Dichloroethane	5 U							
Trans-1,2-Dichloroethene	5 U							
Chloroform	5 U							
1,2-Dichloroethane	5 U							
2-Butanone	10 UJ							
1,1,1-Trichloroethane	5 U							
Carbon Tetrachloride	5 U							
Vinyl Acetate	10 UJ							
Bromodichloromethane	5 U							
1,2-Dichloropropane	5 U							
Trans-1,3-Dichloropropane	5 UJ							
Trichloroethene	5 U							
Dibromochloromethane	5 U							
1,1,2-Trichloroethane	5 U							
Benzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5 UJ							
2-Chloroethylvinylether	10 U							
Bromoform	5 U							
4-Methyl-2-Pentanone	10 U							
2-Hexanone	10 U							
Tetrachloroethene	5 U							
1,1,2,2-Tetrachloroethane	5 U							
Toluene	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	5 U	2 UJ
Chlorobenzene	5 U							
Ethylbenzene	5 U							
Styrene	5 UJ							
Total Xylenes	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 U	UJ
Phenol	4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Alcohol	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-chlorosopropyl)Ether	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U
4-Methylphenol	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-Di-n-Propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

SOUTHERN MARYLAND WOOD TREATING - PHASE II GROUNDWATER SAMPLES

SAMPLE NUMBER	DW-TNK-001	R01-001	R02-001	R03-001/R	R04-001	R05-001	R06-001	R07-001
DIL/CONC FACTOR (VOA)	1	1	1	1	1	1	1	1
DIL/CONC FACTOR (BNA)	1	1	1	1	1	1	1	1
DESCRIPTION	DRILLER WATER							
2,4-Dimethylphenol	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Benzoic Acid	50 R	50 UJ	50 U	50 UJ	50 U	50 U	50 U	50 U
bis(2-Chloroethoxy)Methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 UJ	50 UJ	50 U	50 UJ	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 UJ	50 U	50 U	50 UJ	50 U	50 U	50 U	50 U
4-Nitrophenol	50 UJ	50 U	50 U	50 UJ	50 U	50 U	50 U	50 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	50 UJ	50 UJ	50 U	50 UJ	50 U	50 U	50 U	50 U
4,6-Dinitro-2-Methylphenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-Butylphthalate	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U
3,3-Dichlorobenzidine	20 UJ	20 UJ	20 U	20 U	20 U	20 U	20 U	20 U
Benzo(a)Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)Phthalate	11 UJ	2 UJ	10 U	10 UJ	10 U	2 UJ	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-Octyl Phthalate	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U
Benzo(b)Fluoranthene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)Fluoranthene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)Pyrene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)Pyrene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)Anthracene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)Perylene	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U

SOUTHERN MARYLAND WOOD TREATING - PHASE II GROUNDWATER SAMPLES

SAMPLE NUMBER	DW-TNK-001	R01-001	R02-001	R03-001/R	R04-001	R05-001	R06-001	R07-001
DIL/CONC FACTOR (VOA)	1	1	1	1	1	1	1	1
DIL/CONC FACTOR (BNA)	1	1	1	1	1	1	1	1
DESCRIPTION	DRILLER WATER							
Aluminum	100 U							
Chromium	5 ()							
Copper	15 U							
Iron	365							
Lead	5 U							
Mercury	0.2 J()							
Zinc	79							
TOC	3600							
OIL AND GREASE	500 U							
COD								
BOD	100 U							
TSS								
TKN								
NO2/NO3	1000 U							
PHOS								
ACIDITY	10000 U	10000 U	10000 U	10000 U	10000 U	10000 U	10000 U	10000 U
ALKALINITY	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U

SOUTHERN MARYLAND WOOD TREATING - PHASE II GROUNDWATER SAMPLES

SAMPLE NUMBER	R08-001	R09-001/R	R10-001	R11-001	MW01-001	MW02-001/R	MW03-001	MW04-001/R
DIL/CONC FACTOR (VOA)	1	1	1	1	1	1	1	1
DIL/CONC FACTOR (BNA)	1	1	1	1	1	1	1	5
DESCRIPTION								
Chloromethane								
Bromomethane								
Vinyl Chloride								
Chloroethane								
Methylene Chloride								
Acetone								
Carbon Disulfide								
1,1-Dichloroethene								
1,1-Dichloroethane								
Trans-1,2-Dichloroethene								
Chloroform								
1,2-Dichloroethane								
2-Butanone								
1,1,1-Trichloroethane								
Carbon Tetrachloride								
Vinyl Acetate								
Bromodichloromethane								
1,2-Dichloropropane								
Trans-1,3-Dichloropropane								
Trichloroethene								
Dibromochloromethane								
1,1,2-Trichloroethane								
Benzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	330
cis-1,3-Dichloropropene								
2-Chloroethylvinylether								
Bromoform								
4-Methyl-2-Pentanone								
2-Hexanone								
Tetrachloroethene								
1,1,2,2-Tetrachloroethane								
Toluene	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	3 UJ	2 UJ	180
Chlorobenzene								
Ethylbenzene								
Styrene								
Total Xylenes	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	92 J
Phenol	10 U	10 U	10 U	10 U	4 J	10 U	2 J	2600
bis(2-Chloroethyl)Ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
Benzyl Alcohol	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	50 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
2-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	2900
bis(2-chlorosopropyl)Ether	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	50 U
4-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	50 U
N-Nitroso-Di-n-Propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
Hexachlorethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
Isophorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U

SOUTHERN MARYLAND WOOD TREATING - PHASE II GROUNDWATER SAMPLES

SAMPLE NUMBER	R08-001	R09-001/R	R10-001	R11-001	MW01-001	MW02-001/R	MW03-001	MW04-001/R
DIL/CONC FACTOR (VOA)	1	1	1	1	1	1	1	1
DIL/CONC FACTOR (BNA)	1	1	1	1	1	1	1	5
DESCRIPTION								
2,4-Dimethylphenol	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	2500
Benzoic Acid	50 U	50 UJ	50 U	50 U	50 U	50 UJ	50 UJ	250 U
bis(2-Chloroethoxy)Methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4500
4-Chloroaniline	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	50 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
4-Chloro-3-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ	380
Hexachlorocyclopentadene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
2,4,5-Trichlorophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U	250 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 UJ	250 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 J
3-Nitroaniline	50 U	50 UJ	50 U	50 U	50 U	50 UJ	50 U	250 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	290
2,4-Dinitrophenol	50 U	50 UJ	50 U	50 U	50 U	50 U	50 UJ	250 U
4-Nitrophenol	50 U	50 UJ	50 U	50 U	50 U	50 U	50 UJ	250 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U	130
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
Diethylphthalate	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	50 U
4-Chlorophenyl-phenylether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	89
4-Nitroaniline	50 U	50 UJ	50 U	50 U	50 U	50 UJ	50 UJ	250 U
4,6-Dinitro-2-Methylphenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U	250 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
4-Bromophenyl-phenylether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
Pentachlorophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U	1300
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	99
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
Di-n-Butylphthalate	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	50 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	2 J	13 J
Pyrene	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	50 U
Butylbenzylphthalate	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	50 U
3,3-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 UJ	20 U	100 U
Benzo(a)Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
bis(2-Ethylhexyl)Phthalate	2 UJ	10 UJ	3 UJ	10 U	5 UJ	7 UJ	42	21 UJ
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
Di-n-Octyl Phthalate	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	50 U
Benzo(b)Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
Benzo(k)Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
Benzo(a)Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
Indeno(1,2,3-cd)Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
Dibenzo(a,h)Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
Benzo(g,h,i)Perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U

SOUTHERN MARYLAND WOOD TREATING - PHASE II GROUNDWATER SAMPLES

SAMPLE NUMBER	R08-001	R09-001/R	R10-001	R11-001	MW01-001	MW02-001/R	MW03-001	MW04-001/R
DIL/CONC FACTOR (VOA)	1	1	1	1	1	1	1	1
DIL/CONC FACTOR (BNA)	1	1	1	1	1	1	1	5
DESCRIPTION								
Aluminum								
Chromium								
Copper								
Iron								
Lead								
Mercury								
Zinc								
TOC								
OIL AND GREASE								
COD								
BOD								
TSS								
TKN								
NO2/NO3								
PHOS								
ACIDITY								
ALKALINITY	10000 U	10000 U	10000 U	10000 U	10000 U	10000 U	10000 U	10000 U
	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U

SOUTHERN MARYLAND WOOD TREATING - PHASE II GROUNDWATER SAMPLES

SAMPLE NUMBER	MW05-001	MW06-001/R	MW07-001	MW08-001/R	MW09-001	MW10-001	MW11-001	MW12-001/R
DIL/CONC FACTOR (VOA)	1	1	1	1	1	1	1	1
DIL/CONC FACTOR (BNA)	1	1	1	100	1	1	40	1
DESCRIPTION								
Chloromethane								
Bromomethane								
Vinyl Chloride								
Chloroethane								
Methylene Chloride								
Acetone								
Carbon Disulfide								
1,1-Dichloroethene								
1,1-Dichloroethane								
Trans-1,2-Dichloroethene								
Chloroform								
1,2-Dichloroethane								
2-Butanone								
1,1,1-Trichloroethane								
Carbon Tetrachloride								
Vinyl Acetate								
Bromodichloromethane								
1,2-Dichloropropane								
Trans-1,3-Dichloropropane								
Trichloroethene								
Dibromochloromethane								
1,1,2-Trichloroethane								
Benzene	5 U	5 U	5 U	1500	72	5 U	150	180
cis-1,3-Dichloropropene								
2-Chloroethylvinylether								
Bromoform								
4-Methyl-2-Pentanone								
2-Hexanone								
Tetrachloroethene								
1,1,2,2-Tetrachloroethane								
Toluene	2 UJ	2 UJ	2 UJ	900	36	2 UJ	180	120
Chlorobenzene								
Ethylbenzene								
Styrene								
Total Xylenes	5 UJ	5 UJ	5 UJ	440 J	15 J	5 UJ	130 J	5 UJ
Phenol	130	10 U	10 U	12000	220	10 U	11000	170
bis(2-Chloroethyl)Ether	10 U	10 U	10 U	1000 U	10 U	10 U	400 U	10 U
2-Chlorophenol	10 U	10 U	10 U	1000 U	10 U	10 U	400 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	1000 U	10 U	10 U	400 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	1000 U	10 U	10 U	400 U	10 U
Benzyl Alcohol	10 U	10 U	10 U	1000 U	10 UJ	10 U	400 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	1000 U	10 U	10 U	400 U	10 U
2-Methylphenol	240	10 U	10 U	14000	360 J	10 U	400 U	430
bis(2-chlorosopropyl)Ether	10 U	10 U	10 U	1000 U	10 U	10 U	400 U	10 U
4-Methylphenol	10 U	10 U	10 U	15000	220	10 U	16000	10 U
N-Nitroso-Di-n-Propylamine	10 U	10 U	10 U	1000 U	10 U	10 U	400 U	10 U
Hexachlorethane	10 U	10 U	10 U	1000 U	10 U	10 U	400 U	10 U
Nitrobenzene	10 U	10 U	10 U	1000 U	11	10 U	400 U	10 U
Isophorene	10 U	10 U	10 U	1000 U	10 U	10 U	400 U	10 U
2-Nitrophenol	10 U	10 U	10 U	1000 U	10 U	10 U	400 U	10 U

SOUTHERN MARYLAND WOOD TREATING - PHASE II GROUNDWATER SAMPLES

SAMPLE NUMBER	MW05-001	MW06-001/R	MW07-001	MW08-001/R	MW09-001	MW10-001	MW11-001	MW12-001/R
DIL/CONC FACTOR (VOA)	1	1	1	1	1	1	1	1
DIL/CONC FACTOR (BNA)	1	1	1	100	1	1	40	1
DESCRIPTION								
2,4-Dimethylphenol	1300	10 U	10 U	5600	86	10 U	8300	220
Benzoic Acid	50 U	50 U	50 U	5000 U	50 UJ	50 U	2300	50 U
bis(2-Chloroethoxy)Methane	10 U	10 U	10 U	1000 U	10 U	10 U	400 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	1000 U	10 U	10 U	400 U	10 U
1,2,4-Trichlorobenzene	10 U	10 U	10 U	1000 U	10 U	10 U	400 U	10 U
Naphthalene	1300	10 U	10 U	40000	10 U	10 U	6700	10 U
4-Chloroaniline	10 U	10 U	10 U	1000 U	10 UJ	10 U	400 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	1000 U	10 U	10 U	400 U	10 U
4-Chloro-3-Methylphenol	10 U	10 U	10 U	1000 U	10 U	10 U	400 U	10 U
2-Methylnaphthalene	160	10 U	10 U	5600	10 UJ	10 U	520 J	260
Hexachlorocyclopentadene	10 U	10 U	10 U	1000 U	10 U	10 U	400 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	1000 U	10 U	10 U	400 U	10 U
2,4,5-Trichlorophenol	50 U	50 U	50 U	5000 U	50 U	50 U	2000 U	10
2-Chloronaphthalene	10 U	10 U	10 U	1000 U	10 U	10 U	400 U	10 U
2-Nitroaniline	50 U	50 U	50 U	5000 U	50 U	50 U	2000 U	50 U
Dimethyl Phthalate	10 U	10 U	10 U	1000 U	10 U	10 U	400 U	10 U
Acenaphthylene	6 J	10 U	10 U	550 J	4 J	10 U	400 U	4 J
3-Nitroaniline	50 U	50 U	50 U	5000 U	50 UJ	50 U	2000 U	50 U
Acenaphthene	100	10 U	10 U	12000	10 U	10 U	750	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	5000 U	50 UJ	50 U	2000 U	50 U
4-Nitrophenol	50 U	50 U	50 U	5000 U	50 U	50 U	2000 U	50 U
Dibenzofuran	43	10 U	10 U	7900	8	10 U	420 J	22
2,4-Dinitrotoluene	10 U	10 U	10 U	1000 U	10 UJ	10 U	400 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	1000 U	10 U	10 U	400 U	10 U
Diethylphthalate	10 U	10 U	10 U	1000 U	10 U	10 U	400 U	10 U
4-Chlorophenyl-phenylether	10 U	10 U	10 U	1000 U	10 U	10 U	400 U	10 U
Fluorene	14	10 U	10 U	8600	11	10 U	310 J	7 J
4-Nitroaniline	50 U	50 U	50 U	5000 U	50 UJ	50 U	2000 U	50 U
4,6-Dinitro-2-Methylphenol	50 U	50 U	50 U	5000 U	50 U	50 U	2000 U	50 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	1000 U	10 U	10 U	400 U	10 U
4-Bromophenyl-phenylether	10 U	10 U	10 U	1000 U	10 U	10 U	400 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	1000 U	10 U	10 U	400 U	10 U
Pentachlorophenol	920	50 U	50 U	5000	50 U	50 U	1300 J	500
Phenanthrene	54	10 U	10 U	27000 U	35	10 U	610 J	9 J
Anthracene	10 U	10 U	10 U	1000 U	10 U	10 U	400 U	10 U
Di-n-Butylphthalate	10 U	10 U	10 U	1000 U	10 U	10 U	400 U	10 U
Fluoranthene	10	10 U	10 U	13000	27	10 U	250 J	10 U
Pyrene	3 J	10 U	10 U	5700	15	10 U	92 J	10 U
Butylbenzylphthalate	10 U	10 U	10 U	1000 U	10 U	10 U	400 U	10 U
3,3-Dichlorobenzidine	20 U	20 U	20 U	2000 U	20 U	20 U	800 U	20 U
Benzo(a)Anthracene	10 U	10 U	10 U	4400	10 U	10 U	400 U	10 U
bis(2-Ethylhexyl)Phthalate	10 U	10 U	5 UJ	1000 U	10 U	10 U	400 U	10 U
Chrysene	10 U	10 U	10 U	1000 U	10 U	10 U	400 U	10 U
Di-n-Octyl Phthalate	10 U	10 U	10 U	1000 U	10 UJ	10 U	400 U	10 U
Benzo(b)Fluoranthene	10 U	10 U	10 U	1000 U	10 U	10 U	400 U	10 U
Benzo(k)Fluoranthene	10 U	10 U	10 U	1700	10 U	10 U	400 U	10 U
Benzo(a)Pyrene	10 U	10 U	10 U	740 J	10 U	10 U	400 U	10 U
Indeno(1,2,3-cd)Pyrene	10 U	10 U	10 U	1000 U	10 UJ	10 U	400 U	10 U
Dibenzo(a,h)Anthracene	10 U	10 U	10 U	1000 U	10 UJ	10 U	400 U	10 U
Benzo(g,h,i)Perylene	10 U	10 U	10 U	1000 U	10 UJ	10 U	400 U	10 U

SOUTHERN MARYLAND WOOD TREATING - PHASE II GROUNDWATER SAMPLES

SAMPLE NUMBER	MW05-001	MW06-001/R	MW07-001	MW08-001/R	MW09-001	MW10-001	MW11-001	MW12-001/R
DIL/CONC FACTOR (VOA)	1	1	1	1	1	1	1	1
DIL/CONC FACTOR (BNA)	1	1	1	100	1	1	40	1
DESCRIPTION								
Aluminum								
Chromium								
Copper								
Iron								
Lead								
Mercury								
Zinc								
TOC								
OIL AND GREASE								
COD								
BOD								
TSS								
TKN								
NO2/NO3								
PHOS								
ACIDITY	10000 U	10000 U	10000 U	10000 U	10000 U	10000 U	10000 U	10000 U
ALKALINITY	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U

SOUTHERN MARYLAND WOOD TREATING - PHASE II GROUNDWATER SAMPLES

SAMPLE NUMBER	MW13-001/R	MW14-001/R	MW15-001	MW16-001/R	MW17-001	MW18-001	MW19-001	MW20-001/R
DIL/CONC FACTOR (VOA)	1	1	1	1	1	1	1	1
DIL/CONC FACTOR (BNA)	1	1	1	13	1	1	1	40
DESCRIPTION				Dup MW20-001		Trip Blank	Field Blank	Dup MW16-001
Chloromethane								
Bromomethane								
Vinyl Chloride								
Chloroethane								
Methylene Chloride								
Acetone								
Carbon Disulfide								
1,1-Dichloroethene								
1,1-Dichloroethane								
Trans-1,2-Dichloroethene								
Chloroform								
1,2-Dichloroethane								
2-Butanone								
1,1,1-Trichloroethane								
Carbon Tetrachloride								
Vinyl Acetate								
Bromodichloromethane								
1,2-Dichloropropane								
Trans-1,3-Dichloropropane								
Trichloroethene								
Dibromochloromethane								
1,1,2-Trichloroethane								
Benzene	5 U	5 U	5 U	390 J	5 U	5 U	5 U	97 J
cis-1,3-Dichloropropene								
2-Chloroethylvinylether								
Bromoform								
4-Methyl-2-Pentanone								
2-Hexanone								
Tetrachloroethene								
1,1,2,2-Tetrachloroethane								
Toluene	2 UJ	2 UJ	2 UJ	580 J	2 UJ	2 UJ	2 UJ	140 J
Chlorobenzene								
Ethylbenzene								
Styrene								
Total Xylenes	5 UJ	5 UJ	5 UJ	450 J	5 UJ	5 UJ	5 UJ	99 J
Phenol	10 U	10 U	10 U	1300	10 U	10 U	2 J	1000
bis(2-Chloroethyl)Ether	10 U	10 U	10 U	130 U	10 U	10 U	10 U	400 U
2-Chlorophenol	10 U	10 U	10 U	130 U	10 U	10 U	10 U	400 U
1,3-Dichlorobenzene	10 U	10 U	10 U	130 U	10 U	10 U	10 U	400 U
1,4-Dichlorobenzene	10 U	10 U	10 U	130 U	10 U	10 U	10 U	400 U
Benzyl Alcohol	10 UJ	10 U	10 U	130 U	10 U	10 U	10 U	400 U
1,2-Dichlorobenzene	10 U	10 U	10 U	130 U	10 U	10 U	10 U	400 U
2-Methylphenol	10 U	10 U	10 U	930	10 U	10 U	10 U	680
bis(2-chlorosopropyl)Ether	10 UJ	10 U	10 U	130 U	10 U	10 U	10 U	400 U
4-Methylphenol	10 UJ	10 U	10 U	130 U	10 U	10 U	10 U	1100 J
N-Nitroso-Di-n-Propylamine	10 U	10 U	10 U	130 U	10 U	10 U	10 U	400 U
Hexachlorethane	10 U	10 U	10 U	130 U	10 U	10 U	10 U	400 U
Nitrobenzene	10 U	10 U	10 U	130 U	10 U	10 U	10 U	400 U
Isophorene	10 U	10 U	10 U	130 U	10 U	10 U	10 U	400 U
2-Nitrophenol	10 U	10 U	10 U	130 U	10 U	10 U	10 U	400 U

SOUTHERN MARYLAND WOOD TREATING - PHASE II GROUNDWATER SAMPLES

SAMPLE NUMBER	MW13-001/R	MW14-001/R	MW15-001	MW16-001/R	MW17-001	MW18-001	MW19-001	MW20-001/R
DIL/CONC FACTOR (VOA)	1	1	1	1	1	1	1	1
DIL/CONC FACTOR (BNA)	1	1	1	13	1	1	1	40
DESCRIPTION				Dup MW20-001		Trip Blank	Field Blank	Dup MW16-001
2,4-Dimethylphenol	10 U	10 U	10 U	2700 J	10 U	10 U	10 U	750 J
Benzoic Acid	50 UJ	50 U	50 U	650 U	50 U	50 U	50 U	2000 U
bis(2-Chloroethoxy)Methane	10 U	10 U	10 U	130 U	10 U	10 U	10 U	400 U
2,4-Dichlorophenol	10 U	10 U	10 U	130 U	10 U	10 U	10 U	400 U
1,2,4-Trichlorobenzene	10 U	10 U	10 U	130 U	10 U	10 U	10 U	400 U
Naphthalene	10 U	10 U	10 U	32000 J	10 U	10 U	10 U	15000 J
4-Chloroaniline	10 UJ	10 U	10 U	130 U	10 U	10 U	10 U	400 U
Hexachlorobutadiene	10 U	10 U	10 U	130 U	10 U	10 U	10 U	400 U
4-Chloro-3-Methylphenol	10 U	10 U	10 U	130 U	10 U	10 U	10 U	400 U
2-Methylnaphthalene	10 UJ	10 U	10 U	9300 J	10 U	10 U	10 U	4200 J
Hexachlorocyclopentadene	10 U	10 U	10 U	130 U	10 U	10 U	10 U	400 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	130 U	10 U	10 U	10 U	400 U
2,4,5-Trichlorophenol	50 U	50 U	50 U	650 U	50 U	50 U	50 U	2000 U
2-Chloronaphthalene	10 U	10 U	10 U	130 U	10 U	10 U	10 U	400 U
2-Nitroaniline	50 U	50 U	50 U	650 U	50 U	50 U	50 U	2000 U
Dimethyl Phthalate	10 U	10 U	10 U	130 U	10 U	10 U	10 U	400 U
Acenaphthylene	10 U	10 U	10 U	440	10 U	10 U	10 U	410
3-Nitroaniline	50 UJ	50 U	50 U	650 U	50 U	50 U	50 U	2000 U
Acenaphthene	10 U	10 U	1 J	6400	10 U	10 U	1 J	6500
2,4-Dinitrophenol	50 U	50 U	50 U	650 U	50 U	50 U	50 U	2000 U
4-Nitrophenol	50 U	50 U	50 U	650 U	50 U	50 U	50 U	2000 U
Dibenzofuran	10 U	10 U	10 U	4300	10 U	10 U	10 U	4900
2,4-Dinitrotoluene	10 U	10 U	10 U	130 U	10 U	10 U	10 U	400 U
2,6-Dinitrotoluene	10 U	10 U	10 U	130 U	10 U	10 U	10 U	400 U
Diethylphthalate	10 UJ	10 U	10 U	130 U	10 U	10 U	10 U	400 U
4-Chlorophenyl-phenylether	10 U	10 U	10 U	130 U	10 U	10 U	10 U	400 U
Fluorene	10 U	10 U	10 U	6100	10 U	10 U	10 U	4900
4-Nitroaniline	50 UJ	50 U	50 U	650 U	50 U	50 U	50 U	2000 U
4,6-Dinitro-2-Methylphenol	50 U	50 U	50 U	650 U	50 U	50 U	50 U	2000 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	130 U	10 U	10 U	10 U	400 U
4-Bromophenyl-phenylether	10 U	10 U	10 U	130 U	10 U	10 U	10 U	400 U
Hexachlorobenzene	10 U	10 U	10 U	130 U	10 U	10 U	10 U	400 U
Pentachlorophenol	50 U	50 U	50 U	1500	50 U	50 U	50 U	1100
Phenanthrene	10 U	10 U	10 U	13000	10 U	10 U	24	12000
Anthracene	10 U	10 U	10 U	130 U	10 U	10 U	10 U	400 U
Di-n-Butylphthalate	10 U	10 U	10 U	130 U	10 U	10 U	10 U	400 U
Fluoranthene	10 U	10 U	15	14000 J	1 J	10 U	16	6900 J
Pyrene	10 U	10 U	5 J	4100	10 U	10 U	5 J	4200
Butylbenzylphthalate	10 UJ	10 U	10 U	130 U	10 U	10 U	10 U	400 U
3,3-Dichlorobenzidine	20 UJ	20 U	20 U	260 U	20 U	20 U	20 U	800 U
Benzo(a)Anthracene	10 U	10 U	10 U	2900	10 U	10 U	10 U	2800
bis(2-Ethylhexyl)Phthalate	3 UJ	9 UJ	10 U	130 U	8 UJ	10 U	10 U	400 U
Chrysene	10 U	10 U	10 U	130 U	10 U	10 U	10 U	400 U
Di-n-Octyl Phthalate	10 UJ	10 U	10 U	130 U	10 U	10 U	10 U	400 U
Benzo(b)Fluoranthene	10 U	10 U	10 U	130 U	10 U	10 U	10 U	400 U
Benzo(k)Fluoranthene	10 U	10 U	10 U	1100	10 U	10 U	10 U	970
Benzo(a)Pyrene	10 U	10 U	10 U	460	10 U	10 U	10 U	530
Indeno(1,2,3-cd)Pyrene	10 U	10 U	10 U	210 J	10 U	10 U	10 U	400 U
Dibenzo(a,h)Anthracene	10 U	10 U	10 U	130 U	10 U	10 U	10 U	400 U
Benzo(g,h,i)Perylene	10 U	10 U	10 U	190 J	10 U	10 U	10 U	400 U

SOUTHERN MARYLAND WOOD TREATING - PHASE II GROUNDWATER SAMPLES

SAMPLE NUMBER	MW13-001/R	MW14-001/R	MW15-001	MW16-001/R	MW17-001	MW18-001	MW19-001	MW20-001/R
DIL/CONC FACTOR (VOA)	1	1	1	1	1	1	1	1
DIL/CONC FACTOR (BNA)	1	1	1	13	1	1	1	40
DESCRIPTION				Dup MW20-001		Trip Blank	Field Blank	Dup MW16-001
Aluminum								
Chromium								
Copper								
Iron								
Lead								
Mercury								
Zinc								
TOC								
OIL AND GREASE								
COD								
BOD								
TSS								
TKN								
NO2/NO3								
PHOS								
ACIDITY	10000 U	10000 U	10000 U	10000 U	10000 U	10000 U	10000 U	10000 U
ALKALINITY	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U

SOUTHERN MARYLAND WOOD TREATING - PHASE II GROUNDWATER SAMPLES

SAMPLE NUMBER	MW21-001	MW22-001
DIL/CONC FACTOR (VOA)	1	1
DIL/CONC FACTOR (BNA)	1	1
DESCRIPTION	Trip Blank	Field Blank
Chloromethane		
Bromomethane		
Vinyl Chloride		
Chloroethane		
Methylene Chloride		
Acetone		
Carbon Disulfide		
1,1-Dichloroethene		
1,1-Dichloroethane		
Trans-1,2-Dichloroethene		
Chloroform		
1,2-Dichloroethane		
2-Butanone		
1,1,1-Trichloroethane		
Carbon Tetrachloride		
Vinyl Acetate		
Bromodichloromethane		
1,2-Dichloropropane		
Trans-1,3-Dichloropropane		
Trichloroethene		
Dibromochloromethane		
1,1,2-Trichloroethane		
Benzene	5 U	5 U
cis-1,3-Dichloropropene		
2-Chloroethylvinylether		
Bromoform		
4-Methyl-2-Pentanone		
2-Hexanone		
Tetrachloroethene		
1,1,2,2-Tetrachloroethane		
Toluene	2 UJ	5 U
Chlorobenzene		
Ethylbenzene		
Styrene		
Total Xylenes	5 UJ	5 UJ
Phenol	10 U	10 U
bis(2-Chloroethyl)Ether	10 U	10 U
2-Chlorophenol	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U
Benzyl Alcohol	10 UJ	10 U
1,2-Dichlorobenzene	10 U	10 U
2-Methylphenol	10 UJ	10 U
bis(2-chlorosopropyl)Ether	10 U	10 U
4-Methylphenol	10 U	10 U
N-Nitroso-Di-n-Propylamine	10 U	10 U
Hexachlorethane	10 U	10 U
Nitrobenzene	10 U	10 U
Isophorene	10 U	10 U
2-Nitrophenol	10 U	10 U

SOUTHERN MARYLAND WOOD TREATING - PHASE II GROUNDWATER SAMPLES

SAMPLE NUMBER	MW21-001	MW22-001
DIL/CONC FACTOR (VOA)	1	1
DIL/CONC FACTOR (BNA)	1	1
DESCRIPTION	Trip Blank	Field Blank
2,4-Dimethylphenol	10 U	10 U
Benzoic Acid	50 UJ	50 U
bis(2-Chloroethoxy)Methane	10 U	10 U
2,4-Dichlorophenol	10 U	10 U
1,2,4-Trichlorobenzene	10 U	10 U
Naphthalene	10 U	10 U
4-Chloroaniline	10 U	10 U
Hexachlorobutadiene	10 U	10 U
4-Chloro-3-Methylphenol	10 U	10 U
2-Methylnaphthalene	10 UJ	10 U
Hexachlorocyclopentadene	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U
2,4,5-Trichlorophenol	50 U	50 U
2-Chloronaphthalene	10 U	10 U
2-Nitroaniline	50 UJ	50 U
Dimethyl Phthalate	10 U	10 U
Acenaphthylene	10 U	10 U
3-Nitroaniline	50 U	50 U
Acenaphthene	10 U	10 U
2,4-Dinitrophenol	50 UJ	50 U
4-Nitrophenol	50 UJ	50 U
Dibenzofuran	10 U	10 U
2,4-Dinitrotoluene	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U
Diethylphthalate	10 U	10 U
4-Chlorophenyl-phenylether	10 U	10 U
Fluorene	10 U	10 U
4-Nitroaniline	50 UJ	50 U
4,6-Dinitro-2-Methylphenol	50 U	50 U
N-Nitrosodiphenylamine	10 U	10 U
4-Bromophenyl-phenylether	10 U	10 U
Hexachlorobenzene	10 U	10 U
Pentachlorophenol	50 U	50 U
Phenanthrene	10 U	10 J
Anthracene	10 U	3 U
Di-n-Butylphthalate	10 U	10 U
Fluoranthene	10 U	6 J
Pyrene	10 U	2 J
Butylbenzylphthalate	10 U	10 U
3,3-Dichlorobenzidine	20 U	20 U
Benzo(a)Anthracene	10 U	10 U
bis(2-Ethylhexyl)Phthalate	10 UJ	5 UJ
Chrysene	10 U	10 U
Di-n-Octyl Phthalate	10 U	10 U
Benzo(b)Fluoranthene	10 U	10 U
Benzo(k)Fluoranthene	10 U	10 U
Benzo(a)Pyrene	10 U	10 U
Indeno(1,2,3-cd)Pyrene	10 U	10 U
Dibenzo(a,h)Anthracene	10 U	10 U
Benzo(g,h,i)Perylene	10 U	10 U

SOUTHERN MARYLAND WOOD TREATING - PHASE II GROUNDWATER SAMPLES

SAMPLE NUMBER	MW21-001	MW22-001
DIL/CONC FACTOR (VOA)	1	1
DIL/CONC FACTOR (BNA)	1	1
DESCRIPTION	Trip Blank	Field Blank
Aluminum		
Chromium		
Copper		
Iron		
Lead		
Mercury		
Zinc		
TOC		
OIL AND GREASE		
COD		
BOD		
TSS		
TKN		
NO2/NO3		
PHOS		
ACIDITY	10000 U	10000 U
ALKALINITY	2000 U	2000 U

SOUTHERN MARYLAND WOOD TREATING - PHASE III GROUNDWATER SAMPLES

<<SAMPLE NUMBER>>	SGW-MW01-002	SGW-MW01-003	SGW-MW02-002	SGW-MW02-002LD	SGW-MW03-002	SGW-MW04-002	SGW-MW05-002	SGW-MW06-002
	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
VOLATILE ORGANICS								
Chloromethane	10 U	10 U	10 U	10 U	10 U	1,000 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U	10 U	1,000 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U	10 U	1,000 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U	10 U	1,000 U	10 U	10 U
Methylene Chloride	5 J	3 JB	1 JB	1 JB	14 B	930 B	7 B	1 JB
Acetone	1 JB	10 U	12 B	10 U	10 U	1,800 B	10 U	26 B
Carbon Disulfide	5 U	5 U	5 U	5 U	5 U	500 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U	5 U	500 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	500 U	5 U	5 U
Trans-1,1-Dichloroethene	5 U	5 U	5 U	5 U	5 U	500 U	5 U	5 U
Chloroform	5 U	5 U	5 U	5 U	5 U	500 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	500 U	5 U	5 U
2-Butanone	10 U	10 U	10 U	10 U	10 U	1,000 U	10 U	10 U
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5 U	500 U	5 U	5 U
Carbon Tetrachloride	5 U	5 U	5 U	5 U	5 U	500 U	5 U	5 U
Vinyl Acetate	10 U	10 U	10 U	10 U	10 U	1,000 U	10 U	10 U
Bromodichloromethane	5 U	5 U	5 U	5 U	5 U	500 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U	5 U	500 U	5 U	5 U
Trans-1,3-Dichloropropane	5 U	5 U	5 U	5 U	5 U	500 U	5 U	5 U
Trichlorethene	5 U	5 U	5 U	5 U	5 U	500 U	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	5 U	5 U	500 U	5 U	5 U
1,1,2-Trichloromethane	5 U	5 U	5 U	5 U	5 U	500 U	5 U	5 U
Benzene	5 U	5 U	5 U	5 U	5 U	210 J	5 U	5 U
cis-1,3-Dichloroethane	5 U	5 U	5 U	5 U	5 U	500 U	5 U	5 U
2-Chloroethylvinylether	10 U	10 U	10 U	10 U	10 U	1,000 U	10 U	10 U
Bromoform	5 U	5 U	5 U	5 U	5 U	500 U	5 U	5 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U	1,000 U	10 U	10 U
4-Mthyl-2-Pentanone	10 U	10 U	10 U	10 U	10 U	1,000 U	10 U	10 U
Tetrachloroethene	5 U	5 U	5 U	5 U	5 U	500 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 U	500 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	160 J	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	500 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	500 U	5 U	5 U
Styrene	5 U	5 U	5 U	5 U	5 U	500 U	5 U	5 U
Total Xylenes	5 U	5 U	5 U	5 U	5 U	500 U	5 U	5 U
SEMI-VOLATILES								
Phenol	2 J	10 U	10 U	10 U	10 U	2,400	10 U	2 J
bis(2-Chloroethyl)Ether	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
Benzyl Alcohol	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U

NOTE: Dioxin TEF's were calculated using maximum possible concentrations as observed by GC Analysis.

SOUTHERN MARYLAND WOOD TREATING - PHASE III GROUNDWATER SAMPLES

<<SAMPLE NUMBER>>	SGW-MW01-002	SGW-MW01-003	SGW-MW02-002	SGW-MW02-002LD	SGW-MW03-002	SGW-MW04-002	SGW-MW05-002	SGW-MW06-002
	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
2-Methylphenol	10 U	10 U	10 U	10 U	10 U	2,200	10 U	10 U
bis(2-chlorosopropyl)Ether	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
4-Methylphenol	10 U	10 U	10 U	10 U	10 U	6,200	10 U	10 U
N-Nitroso-Di-n-Propylamine	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
Hexachlorethane	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
Isophorene	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	1,600	10 U	10 U
Benzoic Acid	50 U	50 U	50 U	50 U	50 U	9,300	50 U	33 J
bis(2-Chloroethoxy)Methane	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	460	10 U	10 U
4-Chloroaniline	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
4-Chloro-3-Methylphenol	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
Hexachlorocyclopentadene	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
2,4,5-Trichlorophenol	50 U	50 U	50 U	50 U	50 U	1,000 U	50 U	50 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	1,000 U	50 U	50 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	1,000 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	340	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	50 U	1,000 U	50 U	50 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	1,000 U	50 U	50 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	130 J	10 U	10 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
4-Chlorophenyl-phenylether	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	77 J	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	50 U	50 U	1,000 U	50 U	50 U
4,6-Dinitro-2-Methylphenol	50 U	50 U	50 U	50 U	50 U	1,000 U	50 U	50 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
4-Bromophenyl-phenylether	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
Pentachlorophenol	50 U	50 U	50 U	50 U	50 U	3,300	50 U	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	95 J	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
Di-n-Butylphthalate	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U

NOTE: Dioxin TEF's were calculated using maximum possible concentrations as observed by GC Analysis.

SOUTHERN MARYLAND WOOD TREATING - PHASE III GROUNDWATER SAMPLES

<<SAMPLE NUMBER>>	SGW-MW01-002	SGW-MW01-003	SGW-MW02-002	SGW-MW02-002LD	SGW-MW03-002	SGW-MW04-002	SGW-MW05-002	SGW-MW06-002
	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Butylbenzylphthalate	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
3,3-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	400 U	20 U	20 U
Benzo(a)Anthracene	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
bis(2-Ethylhexyl)Phthalate	3 J	6 J	3 J	3 J	5 J	200 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
Di-n-Octyl Phthalate	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
Benzo(b)Fluoranthene	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
Benzo(k)Fluoranthene	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
Benzo(a)Pyrene	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
Indeno(1,2,3-cd)Pyrene	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
Dibenzo(a,h)Anthracene	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
Benzo(g,h,i)Perylene	10 U	10 U	10 U	10 U	10 U	200 U	10 U	10 U
INORGANICS								
Aluminum	6,340 J	7,200 J	2,120 J	869 J	508 J	5,580 J	3,700 J	3,500 J
Chromium	28.8	29.4	9.0 []	3.9 []	3.0 []	16.6	8.9 []	8.8 []
Copper	36.6	39.9	12.7 []B	7.2 []B	217.0	74.1	9.2 []	7.0 []B
Iron	29,300 JL	28,100 JL	8,560 JL	3,120 JL	1,330 JL	126,000 JL	4,210 JL	3,620 JL
Lead	15.8 J	11.6 J	13.0 J	10.7 J	26.3 J	17.7 J	11.1 J	24.0 J
Mercury	0.8	0.8	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Zinc	171.0	222.0	40.8	31.8	205.0	187.0	70.9	24.8 B
DIOXIN/FURAN (NG/L)								
TEF						0.111	0.055	
TCDD						1.013	ND	
2378-TCDD						0.100	0.055	
PCDD						ND	ND	
2378x-PCDD						ND	ND	
HxCDD						0.055	ND	
2378xHxCDD						0.018	ND	
HpCDD						0.844	ND	
2378xHpCDD						0.348	0.033	
OCDD						5.452	0.739	
TCDF						0.051	0.032	
2378-TCDF						ND	ND	
PCDF						ND	ND	
2378xPCDF						ND	ND	
HxCDF						0.049	ND	
2378xHxCDF						0.011	ND	
HpCDF						ND	ND	
2378xHpCDF						ND	ND	
OCDF						ND	ND	

NOTE: Dioxin TEF's were calculated using maximum possible concentrations as observed by GC Analysis.

SOUTHERN MARYLAND WOOD TREATING - PHASE III GROUNDWATER SAMPLES

<<SAMPLE NUMBER>>	SGW-MW07-002	SGW-MW08-002	SGW-MW08-002	SGW-MW09-002	SGW-MW09-003	SGW-MW10-002	SGW-MW11-002	SGW-MW12-002
	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
VOLATILE ORGANICS								
Chloromethane	10 U	200 U		10 U	10 U	10 U	1,000 U	1,000 U
Bromomethane	10 U	200 U		10 U	10 U	10 U	1,000 U	1,000 U
Vinyl Chloride	10 U	200 U		10 U	10 U	10 U	1,000 U	1,000 U
Chloroethane	10 U	200 U		10 U	10 U	10 U	1,000 U	1,000 U
Methylene Chloride	1 JB	180 B		7 B	5 B	4 JB	940 B	940 B
Acetone	10 U	320 B		6 JB	2 JB	10 U	2,200 B	1,800 B
Carbon Disulfide	5 U	100 U		5 U	5 U	5 U	500 U	500 U
1,1-Dichloroethene	5 U	100 U		5 U	5 U	5 U	500 U	500 U
1,1-Dichloroethane	5 U	100 U		5 U	5 U	5 U	500 U	500 U
Trans-1,1-Dichloroethene	5 U	100 U		5 U	5 U	5 U	500 U	500 U
Chloroform	5 U	100 U		5 U	5 U	5 U	500 U	500 U
1,2-Dichloroethane	5 U	100 U		5 U	5 U	5 U	500 U	500 U
2-Butanone	10 U	200 U		10 U	10 U	10 U	1,000 U	1,000 U
1,1,1-Trichloroethane	5 U	100 U		5 U	5 U	5 U	500 U	500 U
Carbon Tetrachloride	5 U	100 U		5 U	5 U	5 U	500 U	500 U
Vinyl Acetate	10 U	200 U		10 U	10 U	10 U	1,000 U	1,000 U
Bromodichloromethane	5 U	100 U		5 U	5 U	5 U	500 U	500 U
1,2-Dichloropropane	5 U	100 U		5 U	5 U	5 U	500 U	500 U
Trans-1,3-Dichloropropane	5 U	100 U		5 U	5 U	5 U	500 U	500 U
Trichlorethene	5 U	100 U		5 U	5 U	5 U	500 U	500 U
Dibromochloromethane	5 U	100 U		5 U	5 U	5 U	500 U	500 U
1,1,2-Trichloromethane	5 U	100 U		5 U	5 U	5 U	500 U	500 U
Benzene	5 U	610		11	9	5 U	110 J	160 J
cis-1,3-Dichloroethane	5 U	0 U		5 U	5 U	5 U	500 U	500 U
2-Chloroethylvinylether	10 U	0 U		10 U	10 U	10 U	1,000 U	1,000 U
Bromoform	5 U	0 U		5 U	5 U	5 U	500 U	500 U
2-Hexanone	10 U	0 U		10 U	10 U	10 U	1,000 U	1,000 U
4-Mthyl-2-Pentanone	10 U	0 U		10 U	10 U	10 U	1,000 U	1,000 U
Tetrachloroethene	5 U	0 U		5 U	5 U	5 U	500 U	500 U
1,1,2,2-Tetrachloroethane	5 U	0 U		5 U	5 U	5 U	500 U	500 U
Toluene	5 U	410		15	12	5 U	160 J	500 U
Chlorobenzene	5 U	0 U		5 U	5 U	5 U	500 U	500 U
Ethylbenzene	5 U	54 J		3 J	3 J	5 U	110 J	500 U
Styrene	5 U	120		6	5	5 U	120 J	500 U
Total Xylenes	5 U	260		12	10	5 U	170 J	500 U
SEMI-VOLATILES								
Phenol	10 U	2,000		4 J	4 J	10 U	4,100	100 U
bis(2-Chloroethyl)Ether	10 U	200 U		10 U	10 U	10 U	200 U	100 U
2-Chlorophenol	10 U	200 U		10 U	10 U	10 U	200 U	100 U
1,3-Dichlorobenzene	10 U	200 U		10 U	10 U	10 U	200 U	100 U
1,4-Dichlorobenzene	10 U	200 U		10 U	10 U	10 U	200 U	100 U
Benzyl Alcohol	10 U	200 U		10 U	10 U	10 U	200 U	100 U

NOTE: Dioxin TEF's were calculated using maximum possible concentrations as observed by GC Analysis.

SOUTHERN MARYLAND WOOD TREATING - PHASE III GROUNDWATER SAMPLES

<<SAMPLE NUMBER>>	SGW-MW07-002	SGW-MW08-002	SGW-MW08-002	SGW-MW09-002	SGW-MW09-003	SGW-MW10-002	SGW-MW11-002	SGW-MW12-002
	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
1,2-Dichlorobenzene	10 U	200 U		10 U	10 U	10 U	200 U	100 U
2-Methylphenol	10 U	2,200		11	13	10 U	2,000	200
bis(2-chlorosopropyl)Ether	10 U	200 U		10 U	10 U	10 U	200 U	100 U
4-Methylphenol	10 U	4,800		8 J	11	10 U	5,600	1,100
N-Nitroso-Di-n-Propylamine	10 U	200 U		10 U	10 U	10 U	200 U	100 U
Hexachlorethane	10 U	200 U		10 U	10 U	10 U	200 U	100 U
Nitrobenzene	10 U	200 U		10 U	10 U	10 U	200 U	100 U
Isophorene	10 U	200 U		10 U	10 U	10 U	200 U	100 U
2-Nitrophenol	10 U	200 U		10 U	10 U	10 U	200 U	100 U
2,4-Dimethylphenol	10 U	1,900		10	12	10 U	2,000	100 U
Benzoic Acid	50 U	1,000 U		50 U	50 U	50 U	1,500	500 U
bis(2-Chloroethoxy)Methane	10 U	200 U		10 U	10 U	10 U	200 U	100 U
2,4-Dichlorophenol	10 U	200 U		10 U	10 U	10 U	200 U	100 U
1,2,4-Trichlorobenzene	10 U	200 U		10 U	10 U	10 U	200 U	100 U
Naphthalene	10 U	8,600		540	570	10 U	5,800	1,700
4-Chloroaniline	10 U	200 U		10 U	10 U	10 U	200 U	100 U
Hexachlorobutadiene	10 U	200 U		10 U	10 U	10 U	200 U	100 U
4-Chloro-3-Methylphenol	10 U	200 U		10 U	10 U	10 U	200 U	100 U
2-Methylnaphthalene	10 U	1,800		140	140	10 U	1,500	220
Hexachlorocyclopentadene	10 U	200 U		10 U	10 U	10 U	200 U	100 U
2,4,6-Trichlorophenol	10 U	200 U		10 U	10 U	10 U	200 U	100 U
2,4,5-Trichlorophenol	50 U	1,000 U		50 U	50 U	50 U	1,000 U	500 U
2-Chloronaphthalene	10 U	200 U		10 U	10 U	10 U	200 U	100 U
2-Nitroaniline	50 U	1,000 U		50 U	50 U	50 U	1,000 U	500 U
Dimethyl Phthalate	10 U	200 U		10 U	10 U	10 U	200 U	100 U
Acenaphthylene	10 U	160 J		15	14	10 U	77 J	100 U
3-Nitroaniline	50 U	1,000 U		50 U	50 U	50 U	1,000 U	500 U
Acenaphthene	10 U	2,000		170	170	10 U	1,400	180
2,4-Dinitrophenol	50 U	1,000 U		50 U	50 U	50 U	1,000 U	500 U
4-Nitrophenol	50 U	1,000 U		50 U	50 U	50 U	1,000 U	500 U
Dibenzofuran	10 U	1,300		96	98	10 U	970	63 J
2,4-Dinitrotoluene	10 U	200 U		10 U	10 U	10 U	200 U	100 U
2,6-Dinitrotoluene	10 U	200 U		10 U	10 U	10 U	200 U	100 U
Diethylphthalate	10 U	200 U		10 U	10 U	10 U	200 U	100 U
4-Chlorophenyl-phenylether	10 U	200 U		10 U	10 U	10 U	200 U	100 U
Fluorene	10 U	1,300		82	83	10 U	890	100 U
4-Nitroaniline	50 U	1,000 U		50 U	50 U	50 U	1,000 U	500 U
4,6-Dinitro-2-Methylphenol	50 U	1,000 U		50 U	50 U	50 U	1,000 U	500 U
N-Nitrosodiphenylamine	10 U	200 U		10 U	10 U	10 U	200 U	100 U
4-Bromophenyl-phenylether	10 U	200 U		10 U	10 U	10 U	200 U	100 U
Hexachlorobenzene	10 U	200 U		10 U	10 U	10 U	200 U	100 U
Pentachlorophenol	50 U	1,000 U		3 J	4 J	50 U	670	500 U
Phenanthrene	10 U	2,900		94	92	10 U	1,700	47 J
Anthracene	10 U	340		7 J	7 J	10 U	200	100 U
Di-n-Butylphthalate	10 U	200 U		3 J	10 U	10 U	200 U	100 U
Fluoranthene	10 U	1,600		22	22	10 U	1,000	100 U
Pyrene	10 U	1,000		13	13	10 U	670	100 U

NOTE: Dioxin TEF's were calculated using maximum possible concentrations as observed by GC Analysis.

SOUTHERN MARYLAND WOOD TREATING - PHASE III GROUNDWATER SAMPLES

<<SAMPLE NUMBER>>	SGW-MW07-002	SGW-MW08-002	SGW-MW08-002	SGW-MW09-002	SGW-MW09-003	SGW-MW10-002	SGW-MW11-002	SGW-MW12-002
	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Butylbenzylphthalate	10 U	200 U		10 U	10 U	10 U	200 U	100 U
3,3-Dichlorobenzidine	20 U	400 U		20 U	20 U	20 U	400 U	200 U
Benzo(a)Anthracene	10 U	250		10 U	10 U	10 U	160	100 U
bis(2-Ethylhexyl)Phthalate	2 J	200 U		7 J	7 J	10 U	200 U	100 U
Chrysene	10 U	260		10 U	10 U	10 U	150	100 U
Di-n-Octyl Phthalate	10 U	200 U		10 U	10 U	10 U	200 U	100 U
Benzo(b)Fluoranthene	10 U	90 J		10 U	10 U	10 U	65 J	100 U
Benzo(k)Fluoranthene	10 U	87 J		10 U	10 U	10 U	79 J	100 U
Benzo(a)Pyrene	10 U	76 J		10 U	10 U	10 U	61 J	100 U
Indeno(1,2,3-cd)Pyrene	10 U	200 U		10 U	10 U	10 U	200 U	100 U
Dibenzo(a,h)Anthracene	10 U	200 U		10 U	10 U	10 U	200 U	100 U
Benzo(g,h,i)Perylene	10 U	200 U		10 U	10 U	10 U	200 U	100 U
INORGANICS								
Aluminum	7,990 J	292 J		76,800 J	85,800 J	15,600 J	286 J	12,400 J
Chromium	21.7	3.7 []		138.0	156.0	45.4	5.6 []	70.0
Copper	22.2 []B	3.4 []B		132.0	132.0	17.3 []B	0.8 U	10.6 []B
Iron	14,000 JL	19,600 JL		633,000 JL	1.2 U	76,700 JL	134,000	173,000
Lead	43.0 J	2.6 []J		51.7 J	60.8 L	11.3 J	1.3 R	13.6 JL
Mercury	0.2 U	0.2 U		1.4	2.3	0.2 U	0.2 U	0.2 U
Zinc	38.3	36.5		89.5	232.0 J	29.3 B	3.2 []	104.0
DIOXIN/FURAN (NG/L)								
TEF		0.089	0.184	0.025	0.031		0.203	0.030
TCDD		ND	ND	ND	ND		ND	ND
2378-TCDD		0.037	0.138	0.024	0.027		0.049	0.030
PCDD		0.209	ND	ND	0.045		ND	ND
2378x-PCDD		0.030	ND	ND	ND		ND	ND
HxCDD		ND	0.973	ND	0.034		6.472	ND
2378xHxCDD		0.311	1.006	ND	ND		1.898	ND
HpCDD		56.371	125.709	0.054	0.257		123.609	0.391
2378xHpCDD		21.538	0.110	ND	0.073		63.398	0.152
OCDD		54.483	123.666	0.497	0.412		176.200	3.592
TCDF		0.110	0.545	0.016	0.039		0.048	0.014
2378-TCDF		ND	ND	0.008	0.017		ND	ND
PCDF		ND	ND	ND	0.033		ND	ND
2378xPCDF		ND	ND	ND	0.016		ND	ND
HxCDF		2.523	1.852	ND	0.042		6.862	0.013
2378xHxCDF		0.056	0.055	ND	0.013		0.206	ND
HpCDF		ND	11.767	ND	ND		39.593	0.051
2378xHpCDF		0.183	2.219	ND	ND		8.061	ND
OCDF		21.668	18.402	0.033	ND		63.092	0.147

NOTE: Dioxin TEF's were calculated using maximum possible concentrations as observed by GC Analysis.

SOUTHERN MARYLAND WOOD TREATING - PHASE III GROUNDWATER SAMPLES

<<SAMPLE NUMBER>>	SGW-MW13-002	SGW-MW14-002	SGW-MW15-002	SGW-MW16-002	SGW-MW17-002	SGW-MW18-002	DGW-MW19-002	DGW-MW20-002
	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
VOLATILE ORGANICS								
Chloromethane	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Methylene Chloride	4 JB	4 JB	4 JB	83 B	4 JB	4 JB	10 B	6 B
Acetone	10 U	10 U	10 U	130 B	10 U	10 U	9 JB	11 B
Carbon Disulfide	5 U	5 U	5 U	50 U	5 U	5 U	5 U	3 J
1,1-Dichloroethene	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
Trans-1,1-Dichloroethene	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
2-Butanone	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
Vinyl Acetate	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Bromodichloromethane	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropane	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
Trichlorethene	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
1,1,2-Trichloromethane	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	140	5 U	5 U	5 U	5 U
cis-1,3-Dichloroethane	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
2-Chloroethylvinylether	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Bromoform	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
2-Hexanone	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
4-Mthyl-2-Pentanone	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	610	5 U	5 U	1 J	5 U
Chlorobenzene	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	130	5 U	5 U	5 U	5 U
Styrene	5 U	5 U	5 U	240	5 U	5 U	5 U	5 U
Total Xylenes	5 U	5 U	5 U	610	5 U	5 U	5 U	5 U
SEMI-VOLATILES								
Phenol	2 J	10 U	10 U	350	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)Ether	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
Benzyl Alcohol	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U

NOTE: Dioxin TEF's were calculated using maximum possible concentrations as observed by GC Analysis.

SOUTHERN MARYLAND WOOD TREATING - PHASE III GROUNDWATER SAMPLES

<<SAMPLE NUMBER>>	SGW-MW13-002	SGW-MW14-002	SGW-MW15-002	SGW-MW16-002	SGW-MW17-002	SGW-MW18-002	DGW-MW19-002	DGW-MW20-002
	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
1,2-Dichlorobenzene	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
2-Methylphenol	10 U	10 U	10 U	350	10 U	10 U	10 U	10 U
bis(2-chlorosopropyl)Ether	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
4-Methylphenol	10 U	10 U	10 U	190 U	10 U	10 U	10 U	10 U
N-Nitroso-Di-n-Propylamine	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
Hexachlorethane	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
Isophorene	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
2-Nitrophenol	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	200 J	10 U	10 U	10 U	10 U
Benzoic Acid	50 U	50 U	50 U	1,000 U	50 U	50 U	50 U	50 U
bis(2-Chloroethoxy)Methane	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	5,700	10 U	10 U	10 U	10 U
4-Chloroaniline	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
4-Chloro-3-Methylphenol	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	1,000	10 U	10 U	10 U	10 U
Hexachlorocyclopentadene	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	50 U	50 U	50 U	1,000 U	50 U	50 U	50 U	50 U
2-Chloronaphthalene	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	1,000 U	50 U	50 U	50 U	50 U
Dimethyl Phthalate	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	59 J	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	1,000 U	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	980	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	1,000 U	50 U	50 U	50 U	50 U
4-Nitrophenol	50 U	50 U	50 U	1,000 U	50 U	50 U	50 U	50 U
Dibenzofuran	10 U	10 U	10 U	670	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	690	10 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	1,000 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-Methylphenol	50 U	50 U	50 U	1,000 U	50 U	50 U	50 U	50 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	200	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
Pentachlorophenol	50 U	50 U	50 U	59 U	50 U	50 U	50 U	50 U
Phenanthrene	10 U	10 U	10 U	1,400	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	260	10 U	10 U	10 U	10 U
Di-n-Butylphthalate	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	720	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	460	10 U	10 U	10 U	10 U

NOTE: Dioxin TEF's were calculated using maximum possible concentrations as observed by GC Analysis.

SOUTHERN MARYLAND WOOD TREATING - PHASE III GROUNDWATER SAMPLES

<<SAMPLE NUMBER>>	SGW-MW13-002	SGW-MW14-002	SGW-MW15-002	SGW-MW16-002	SGW-MW17-002	SGW-MW18-002	DGW-MW19-002	DGW-MW20-002
	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Butylbenzylphthalate	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
3,3-Dichlorobenzidine	20 U	20 U	20 U	400 U	20 U	20 U	20 U	20 U
Benzo(a)Anthracene	10 U	10 U	10 U	120 J	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)Phthalate	10 U	10 U	10 U	200 U	3 J	2 J	10 U	10 U
Chrysene	10 U	10 U	10 U	120 J	10 U	10 U	10 U	10 U
Di-n-Octyl Phthalate	11	10 U	10 U	200 U	10 U	10 U	10 U	10 U
Benzo(b)Fluoranthene	10 U	10 U	10 U	48 J	10 U	10 U	10 U	10 U
Benzo(k)Fluoranthene	10 U	10 U	10 U	42 J	10 U	10 U	10 U	10 U
Benzo(a)Pyrene	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)Pyrene	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)Anthracene	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)Perylene	10 U	10 U	10 U	200 U	10 U	10 U	10 U	10 U
INORGANICS								
Aluminum	1,910 J	54,400 J	158,000 J	9,780 J	54,000 J	5,370 J	3,400 J	20,700 J
Chromium	9.7 []	222.0	288.0	38.8	113.0	13.4	13.0 U	75.4
Copper	1.2 []B	4.0 U	91.6	29.5 B	42.6	3.3 []B	9.4 []B	58.7
Iron	19,700 JL	606,000 JL	345,000 J/L	76,400	154,000 JL	18,300 JL	10,100 JL	86,500 JL
Lead	4.5 []J	48.2 J	107.0 J	48.2 L	52.3 J	5.8 J	14.1 J	55.5 J
Mercury	0.2 U	2.9	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Zinc	12.9 []B	167.0	246.0	130.0 J	107.0	50.6	50.5	464.0
DIOXIN/FURAN (NG/L)								
TEF				0.546				
TCDD				ND				
2378-TCDD				0.395				
PCDD				ND				
2378x-PCDD				ND				
HxCDD				5.742				
2378xHxCDD				1.557				
HpCDD				165.191				
2378xHpCDD				63.788				
OCDD				256.883				
TCDF				0.417				
2378-TCDF				0.123				
PCDF				ND				
2378xPCDF				ND				
HxCDF				4.894				
2378xHxCDF				0.123				
HpCDF				31.684				
2378xHpCDF				6.448				
OCDF				52.926				

NOTE: Dioxin TEF's were calculated using maximum possible concentrations as observed by GC Analysis.

SOUTHERN MARYLAND WOOD TREATING - PHASE III GROUNDWATER SAMPLES

<<SAMPLE NUMBER>>	DGW-MW21-002	SGW-MWTB-001	SGW-MWFB-001	SGW-MWFB-002
	UG/L	UG/L	UG/L	UG/L
VOLATILE ORGANICS				
Chloromethane	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U
Methylene Chloride	13 B	6 B	3 JB	2 JB
Acetone	10 U	11 B	10 U	10 U
Carbon Disulfide	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U
Trans-1,1-Dichloroethene	5 U	5 U	5 U	5 U
Chloroform	5 U	7	6	5
1,2-Dichloroethane	5 U	5 U	5 U	5 U
2-Butanone	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5 U	5 U	5 U	5 U
Vinyl Acetate	10 U	10 U	10 U	10 U
Bromodichloromethane	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropane	5 U	5 U	5 U	5 U
Trichlorethene	5 U	5 U	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	5 U
1,1,2-Trichloromethane	5 U	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	5 U
cis-1,3-Dichloroethane	5 U	5 U	5 U	5 U
2-Chloroethylvinylether	10 U	10 U	10 U	10 U
Bromoform	5 U	5 U	5 U	5 U
2-Hexanone	10 U	10 U	10 U	10 U
4-Mthyl-2-Pentanone	10 U	10 U	10 U	10 U
Tetrachloroethene	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U
Toluene	1 J	2 J	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U
Styrene	5 U	5 U	5 U	5 U
Total Xylenes	5 U	5 U	5 U	5 U
SEMI-VOLATILES				
Phenol	2 J	2 J	10 U	10 U
bis(2-Chloroethyl)Ether	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U
Benzyl Alcohol	10 U	10 U	10 U	10 U

NOTE: Dioxin TEF's were calculated using maximum possible concentrations as observed by GC Analysis.

SOUTHERN MARYLAND WOOD TREATING - PHASE III GROUNDWATER SAMPLES

<<SAMPLE NUMBER>>	DGW-MW21-002	SGW-MWTB-001	SGW-MWFB-001	SGW-MWFB-002
	UG/L	UG/L	UG/L	UG/L
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U
2-Methylphenol	10 U	10 U	10 U	10 U
bis(2-chlorosopropyl)Ether	10 U	10 U	10 U	10 U
4-Methylphenol	10 U	10 U	10 U	10 U
N-Nitroso-Di-n-Propylamine	10 U	10 U	10 U	10 U
Hexachlorethane	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U
Isophorene	10 U	10 U	10 U	10 U
2-Nitrophenol	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U
Benzoic Acid	50 U	50 U	50 U	50 U
bis(2-Chloroethoxy)Methane	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U
4-Chloroaniline	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U
4-Chloro-3-Methylphenol	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U
Hexachlorocyclopentadene	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	50 U	50 U	50 U	50 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U
Dimethyl Phthalate	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U
Acenaphthene	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U
4-Nitrophenol	50 U	50 U	50 U	50 U
Dibenzofuran	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	50 U
4,6-Dinitro-2-Methylphenol	50 U	50 U	50 U	50 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U
Pentachlorophenol	50 U	50 U	50 U	50 U
Phenanthrene	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U
Di-n-Butylphthalate	10 U	3 J	3 J	10 U
Fluoranthene	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U

NOTE: Dioxin TEF's were calculated using maximum possible concentrations as observed by GC Analysis.

SOUTHERN MARYLAND WOOD TREATING - PHASE III GROUNDWATER SAMPLES

<<SAMPLE NUMBER>>	DGW-MW21-002	SGW-MWTB-001	SGW-MWFB-001	SGW-MWFB-002
	UG/L	UG/L	UG/L	UG/L
Butylbenzylphthalate	10 U	10 U	10 U	10 U
3,3-Dichlorobenzidine	20 U	20 U	20 U	20 U
Benzo(a)Anthracene	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)Phthalate	2 J	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U
Di-n-Octyl Phthalate	10 U	10 U	10 U	10 U
Benzo(b)Fluoranthene	10 U	10 U	10 U	10 U
Benzo(k)Fluoranthene	10 U	10 U	10 U	10 U
Benzo(a)Pyrene	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)Pyrene	10 U	10 U	10 U	10 U
Dibenzo(a,h)Anthracene	10 U	10 U	10 U	10 U
Benzo(g,h,i)Perylene	10 U	10 U	10 U	10 U
INORGANICS				
Aluminum	15,700 J	6 U	6 U	
Chromium	39.7	1.1 U	1.1 U	
Copper	50.3	0.8 U	0.8 U	
Iron	75,500 JL	158	57.5 []	
Lead	61.6 J	1.3 []JL	1.3 U	
Mercury	0.2 U	0.2 U	0.2 U	
Zinc	256.0	7.2 []	2.6 []	
DIOXIN/FURAN (NG/L)				
TEF		0.395	0.056	
TCDD		ND	0.350	
2378-TCDD		0.395	0.048	
PCDD		ND	ND	
2378x-PCDD		ND	ND	
HxCDD		ND	0.120	
2378xHxCDD		ND	ND	
HpCDD		0.021	ND	
2378xHpCDD		ND	ND	
OCDD		0.107	ND	
TCDF		0.010	0.100	
2378-TCDF		ND	0.048	
PCDF		ND	0.020	
2378xPCDF		ND	ND	
HxCDF		0.030	0.060	
2378xHxCDF		ND	ND	
HpCDF		0.060	ND	
2378xHpCDF		ND	ND	
OCDF		ND	ND	

SOUTHERN MARYLAND WOOD TREATING - PHASE II SOIL SAMPLES

SAMPLE NUMBER	B1-001	B1-012	B2-004	B3-002/R	B3-003/R	B4-002	B5-001	B5-002
DIL/CONC FACTOR (VOA)	1	1	1	1	1	510	1	1
DIL/CONC FACTOR (BNA)	1	1	1	1	1	1	1	1
DESCRIPTION								
Chloromethane	10 U	10 U	10 UJ	10 U	10 U	5100 U	10 U	10 UJ
Bromomethane	10 U	10 U	10 U	10 U	10 U	5100 U	10 U	10 U
Vinyl Chloride	10 UJ	10 UJ	10 UJ	10 U	10 U	5100 U	10 U	10 UJ
Chloroethane	10 UJ	10 UJ	10 UJ	10 U	10 U	5100 U	10 U	10 UJ
Methylene Chloride	5 UJ	5 UJ	5 UJ	5 U	5 U	2500 U	5 U	5 UJ
Acetone	23 UJ	40 UJ	12 UJ	60 UJ	53 UJ	5100 U	10 U	33 UJ
Carbon Disulfide	5 UJ	5 UJ	5 U	5 U	5 U	2500 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U	5 U	2500 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	2500 U	5 U	5 U
Trans-1,2-Dichloroethene	5 U	5 U	5 UJ	5 U	5 U	2500 U	5 U	5 U
Chloroform	5 U	5 U	5 U	5 U	5 U	2500 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	2500 U	5 U	5 U
2-Butanone	10 UJ	10 UJ	10 U	10 U	10 U	5100 U	10 U	10 U
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5 U	2500 U	5 U	5 U
Carbon Tetrachloride	5 U	5 U	5 U	5 U	5 U	2500 U	5 U	5 UJ
Vinyl Acetate	10 UJ	10 UJ	10 U	10 U	10 U	5100 U	10 U	10 UJ
Bromodichloromethane	5 U	5 U	5 U	5 U	5 U	2500 U	5 U	5 U
4,2-Dichloropropane	5 U	5 U	5 U	5 U	5 U	2500 U	5 U	5 U
Trans-1,3-Dichloropropane	5 UJ	5 UJ	5 U	5 U	5 U	2500 U	5 U	5 UJ
Trichloroethene	5 U	5 U	5 U	5 U	5 U	2500 U	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	5 U	5 U	2500 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	5 U	2500 U	5 U	5 U
Benzene	5 U	5 U	5 U	5 U	5 U	2500 U	5 U	5 U
cis-1,3-Dichloropropene	5 UJ	5 UJ	5 UJ	5 U	5 U	2500 U	5 U	5 UJ
2-Chloroethylvinylether	10 U	10 U	10 U	10 U	10 U	5100 U	10 U	10 U
Bromoform	5 UJ	5 UJ	5 U	5 U	5 U	2500 U	5 U	5 U
4-Methyl-2-Pentanone	10 UJ	10 UJ	10 UJ	10 U	10 U	5100 U	10 U	10 UJ
2-Hexanone	4 UJ	10 UJ	10 UJ	10 U	10 U	5100 U	10 U	10 UJ
Tetrachloroethene	5 U	5 U	5 U	5 U	5 U	2500 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 UJ	5 UJ	5 U	5 U	5 U	2500 U	5 U	5 U
Toluene	3 UJ	3 UJ	2 UJ	2 UJ	2 UJ	2200 J	2 UJ	2 UJ
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	2500 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	2800	5 U	5 U
Styrene	5 UJ	5 UJ	5 U	5 U	5 U	1700 J	5 U	5 U
Total Xylenes	5 UJ	5 UJ	5 UJ	5 U	5 U	3000	5 U	5 UJ
Phenol	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U
bis(2-Chloroethyl)Ether	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U
2-Chlorophenol	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U
1,3-Dichlorobenzene	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U
1,4-Dichlorobenzene	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U
Benzyl Alcohol	340 U	340 U	340 UJ	340 U	340 U	340 U	340 UJ	340 UJ
1,2-Dichlorobenzene	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U
2-Methylphenol	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U
bis(2-chlorosopropyl)Ether	340 U	340 U	340 U	340 U	340 U	340 U	340 UJ	340 UJ
4-Methylphenol	340 U	340 U	340 U	340 U	340 U	100 J	340 U	340 U
N-Nitroso-Di-n-Propylamine	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U
Hexachlorethane	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U
Nitrobenzene	340 U	340 U	340 UJ	340 U	340 U	340 U	340 U	340 U
Isophorene	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U
2-Nitrophenol	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U

SOUTHERN MARYLAND WOOD TREATING - PHASE II SOIL SAMPLES

SAMPLE NUMBER	B1-001	B1-012	B2-004	B3-002/R	B3-003/R	B4-002	B5-001	B5-002
DIL/CONC FACTOR (VOA)	1	1	1	1	1	510	1	1
DIL/CONC FACTOR (BNA)	1	1	1	1	1	1	1	1
DESCRIPTION								
2,4-Dimethylphenol	340 U	340 U	340 U	340 U	340 U	120 J	340 U	340 U
Benzoic Acid	1700 U	1700 U	1700 UJ	1700 U	1700 U	1700 U	1700 UJ	1700 UJ
bis(2-Chloroethoxy)Methane	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U
2,4-Dichlorophenol	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U
1,2,4-Trichlorobenzene	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U
Naphthalene	340 U	340 U	340 U	340 U	340 U	1300	340 U	340 U
4-Chloroaniline	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U
Hexachlorobutadiene	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U
4-Chloro-3-Methylphenol	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U
2-Methylnaphthalene	340 U	340 U	340 U	340 U	340 U	200 J	340 U	340 U
Hexachlorocyclopentadene	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U
2,4,6-Trichlorophenol	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U
2,4,5-Trichlorophenol	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2-Chloronaphthalene	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U
2-Nitroaniline	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Dimethyl Phthalate	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U
Acenaphthylene	340 U	340 U	340 U	340 U	340 U	340 U	340 UJ	340 UJ
3-Nitroaniline	1700 U	1700 U	1700 UJ	1700 U	1700 U	1700 U	1700 U	1700 U
Acenaphthene	340 U	340 U	340 U	340 U	340 U	370	340 U	340 U
2,4-Dinitrophenol	1700 U	1700 U	1700 UJ	1700 U	1700 U	1700 U	1700 U	1700 U
4-Nitrophenol	1700 U	1700 U	1700 UJ	1700 U	1700 U	1700 U	1700 U	1700 U
Dibenzofuran	340 U	340 U	340 U	340 U	340 U	190	340 U	340 U
2,4-Dinitrotoluene	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U
2,6-Dinitrotoluene	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U
Diethylphthalate	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U
4-Chlorophenyl-phenylether	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U
Fluorene	340 U	340 U	340 U	340 U	340 U	260 J	340 U	340 U
4-Nitroaniline	1700 U	1700 U	1700 UJ	1700 U	1700 U	1700 U	1700 UJ	1700 UJ
4,6-Dinitro-2-Methylphenol	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
N-Nitrosodiphenylamine	340 U	340 U	340 UJ	340 U	340 U	340 U	340 U	340 U
4-Bromophenyl-phenylether	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U
Hexachlorobenzene	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U
Pentachlorophenol	1700 U	1700 U	1700 U	1700 U	1700 U	750	1700 U	1700 U
Phenanthrene	340 U	81 J	340 U	340 U	340 U	1300	340 U	340 U
Anthracene	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U
Di-n-Butylphthalate	340 U	340 U	340 U	340 U	80 UJ	140 UJ	340 U	340 U
Fluoranthene	340 U	340 U	340 U	340 U	340 U	720	340 U	340 U
Pyrene	79 J	340 U	340 U	340 U	340 U	460	45 J	26 J
Butylbenzylphthalate	340 U	340 U	340 U	340 U	340 U	340 U	340 UJ	340 UJ
3,3-Dichlorobenzidine	670 U	670 U	670 U	670 U	670 U	670 U	670 UJ	670 UJ
Benzo(a)Anthracene	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U
bis(2-Ethylhexyl)Phthalate	340 U	110 UJ	340 U	290 UJ	240 UJ	140 UJ	890 UJ	710 UJ
Chrysene	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U
Di-n-Octyl Phthalate	340 U	340 U	340 U	340 U	340 U	340 U	340 UJ	340 UJ
Benzo(b)Fluoranthene	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U
Benzo(k)Fluoranthene	340 U	340 U	340 U	340 U	340 U	340 U	340 U	180 J
Benzo(a)Pyrene	340 U	340 U	340 U	340 U	340 U	340 U	130 J	340 U
Indeno(1,2,3-cd)Pyrene	340 U	340 U	340 U	340 U	340 U	340 U	82 J	340 UJ
Dibenzo(a,h)Anthracene	340 U	340 U	340 U	340 U	340 U	340 U	340 U	340 U
Benzo(g,h,i)Perylene	340 U	340 U	340 U	340 U	340 U	340 U	340 UJ	340 UJ

SOUTHERN MARYLAND WOOD TREATING - PHASE II SOIL SAMPLES

SAMPLE NUMBER	B1-001	B1-012	B2-004	B3-002/R	B3-003/R	B4-002	B5-001	B5-002
DIL/CONC FACTOR (VOA)	1	1	1	1	1	510	1	1
DIL/CONC FACTOR (BNA)	1	1	1	1	1	1	1	1
DESCRIPTION								
Aluminum	13300	4200	9104	12500	12400	12000	15900	16700
Chromium	14	7 J	10 J	14 J	14 J	13 J	17 J	18 J
Copper	5.5	3	3 J()	4.6 J	4.4 J()	7.5 J	6.2 J	5.7 J
Iron	11000	3270	6302	12900	13800	17400	13200	14300
Lead	16 J	2.8	2.7	7.5	7.8	10	9.5	8.2
Mercury	0.1 U	0.09 J	0.1 UJ	0.1 UJ	0.1 UJ	0.53 J	0.25 J	0.1 J
Zinc	24	2 UJ	5.8 J	80 J	129 J	24 J	81 J	58 J
TOC	6440000	667000	657000	2380000	1980000	4850000		
OIL AND GREASE	41400	30300 UJL	30300 L	30300 L	30300 L	5960000		

SOUTHERN MARYLAND WOOD TREATING - PHASE II SOIL SAMPLES

SAMPLE NUMBER	B6-002	B7-002	B8-011	B8-012	B9-001	B10-008	B11-003/R	B11-004/R
DIL/CONC FACTOR (VOA)	1	1	1	1	1	1	260	130
DIL/CONC FACTOR (BNA)	1	1	1	1	1	1	1	60
DESCRIPTION								
Chloromethane	10 UJ	10 UJ	10 UJ	9 UJ	10 UJ	44 U	2600 U	1300 U
Bromomethane	10 U	10 U	10 U	9 U	10 U	44 U	2600 U	1300 U
Vinyl Chloride	10 UJ	10 UJ	10 UJ	9 UJ	10 UJ	44 U	2600 U	1300 U
Chloroethane	10 UJ	10 UJ	10 UJ	9 UJ	10 UJ	44 U	2600 UJ	1300 UJ
Methylene Chloride	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	22 U	1300 UJ	640 UJ
Acetone	31 UJ	10 UJ	14 UJ	26 UJ	16 UJ	61 UJ	2600 UJ	1300 UJ
Carbon Disulfide	5 U	5 U	5 U	5 U	5 U	22 U	1300 U	640 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U	5 U	22 U	1300 U	640 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	22 U	1300 U	640 U
Trans-1,2-Dichloroethene	5 U	5 U	5 UJ	5 U	5 U	22 U	1300 U	640 U
Chloroform	5 U	5 U	5 U	5 U	5 U	22 U	1300 U	640 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	22 U	1300 U	640 U
2-Butanone	10 U	10 U	10 U	9 U	10 U	44 U	5100 UJ	5100 UJU
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5 U	22 U	1300 U	640 U
Carbon Tetrachloride	5 UJ	5 UJ	5 U	5 UJ	5 UJ	22 U	1300 U	640 U
Vinyl Acetate	10 UJ	10 UJ	10 U	9 UJ	10 UJ	44 U	2600 U	1300 U
Bromodichloromethane	5 U	5 U	5 U	5 U	5 U	22 U	1300 U	640 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U	5 U	22 U	1300 U	640 U
Trans-1,3-Dichloropropane	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	22 U	1300 UJ	640 UJ
Trichloroethene	5 U	5 U	5 U	5 U	5 U	22 U	1300 U	640 U
Dibromochloromethane	5 U	5 U	5 U	5 U	5 U	22 U	1300 U	640 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	5 U	22 U	1300 U	640 U
Benzene	5 U	5 U	5 U	5 U	5 U	22 U	1300 U	640 U
cis-1,3-Dichloropropene	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	22 U	1300 UJ	640 UJ
2-Chloroethylvinylether	10 U	10 U	10 U	9 U	10 U	44 U	2600 U	1300 U
Bromoform	5 U	5 U	5 U	5 U	5 U	22 U	1300 U	640 U
4-Methyl-2-Pentanone	10 UJ	10 UJ	10 UJ	9 UJ	10 UJ	44 U	2600 UJ	1300 UJ
2-Hexanone	10 UJ	10 UJ	10 UJ	9 UJ	10 UJ	44 U	2600 UJ	1300 UJ
Tetrachloroethene	5 U	5 U	5 U	5 U	5 U	22 U	1300 U	640 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 U	22 U	1300 U	640 U
Toluene	3 UJ	3 UJ	5 U	4 UJ	3 UJ	8 UJ	1300 U	640 U
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	22 U	1300 U	640 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	22 U	1200 J	640 U
Styrene	5 U	5 U	5 U	5 U	5 U	22 U	1300 U	640 U
Total Xylenes	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	22 U	1300 UJ	640 UJ
Phenol	37 J	340 U	340 U	350 U	340 U	330 U	20000 U	10000 U
bis(2-Chloroethyl)Ether	340 U	340 U	340 U	350 U	340 U	330 U	20000 U	10000 U
2-Chlorophenol	340 U	340 U	340 U	350 U	340 U	330 U	20000 U	10000 U
1,3-Dichlorobenzene	340 U	340 U	340 U	350 U	340 U	330 U	20000 U	10000 U
1,4-Dichlorobenzene	340 U	340 U	340 U	350 U	340 U	330 U	20000 U	10000 U
Benzyl Alcohol	340 UJ	340 UJ	340 UJ	350 UJ	340 UJ	330 U	20000 U	10000 U
1,2-Dichlorobenzene	340 U	340 U	340 U	350 U	340 U	330 U	20000 U	10000 U
2-Methylphenol	340 U	340 U	340 U	350 U	340 U	330 U	20000 U	10000 U
bis(2-chlorosopropyl)Ether	340 UJ	340 UJ	340 U	350 U	340 UJ	330 U	20000 U	10000 U
4-Methylphenol	340 U	340 U	340 U	350 U	340 U	330 U	20000 U	10000 U
N-Nitroso-Di-n-Propylamine	340 U	340 U	340 U	350 U	340 U	330 U	20000 U	10000 U
Hexachlorethane	340 U	340 U	340 U	350 U	340 U	330 U	20000 U	10000 U
Nitrobenzene	340 U	340 U	340 UJ	350 UJ	340 U	330 U	20000 U	10000 U
Isophorene	340 U	340 U	340 U	350 U	340 U	330 U	20000 U	10000 U
2-Nitrophenol	340 U	340 U	340 U	350 U	340 U	330 U	20000 U	10000 U

SAMPLE NUMBER	B6-002	B7-002	B8-011	B8-012	B9-001	B10-008	B11-003/R	B11-004/R
DIL/CONC FACTOR (VOA)	1	1	1	1	1	1	260	130
DIL/CONC FACTOR (BNA)	1	1	1	1	1	1	1	60
DESCRIPTION								
2,4-Dimethylphenol	340 U	340 U	340 U	350 U	340 U	330 U	20000 U	10000 U
Benzoic Acid	1700 UJ	1700 UJ	1700 UJ	1800 UJ	1700 UJ	1700 U	100000 U	51000 U
bis(2-Chloroethoxy)Methane	340 U	340 U	340 U	350 U	340 U	330 U	20000 U	10000 U
2,4-Dichlorophenol	340 U	340 U	340 U	350 U	340 U	330 U	20000 U	10000 U
1,2,4-Trichlorobenzene	340 U	340 U	340 U	350 U	340 U	330 U	20000 U	10000 U
Naphthalene	340 U	340 U	340 U	350 U	340 U	330 U	770000	1100000
4-Chloroaniline	340 U	340 U	340 U	350 U	340 U	330 U	20000 U	10000 U
Hexachlorobutadiene	340 U	340 U	340 U	350 U	340 U	330 U	20000 U	10000 U
4-Chloro-3-Methylphenol	340 U	340 U	340 U	350 U	340 U	330 U	20000 U	10000 U
2-Methylnaphthalene	340 U	340 U	340 U	350 U	340 U	330 U	180000	280000
Hexachlorocyclopentadene	340 U	340 U	340 U	350 U	340 U	330 U	20000 U	10000 U
2,4,6-Trichlorophenol	340 U	340 U	340 U	350 U	340 U	330 U	20000 U	10000 U
2,4,5-Trichlorophenol	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	100000 U	51000 U
2-Chloronaphthalene	340 U	340 U	340 U	350 U	340 U	330 U	20000 U	10000 U
2-Nitroaniline	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	100000 U	51000 U
Dimethyl Phthalate	340 U	340 U	340 U	350 U	340 U	330 U	20000 U	10000 U
Acenaphthylene	340 UJ	340 UJ	340 U	350 U	340 UJ	330 U	18000 J	33000
3-Nitroaniline	1700 U	1700 U	1700 UJ	1800 UJ	1700 U	1700 U	100000 U	51000 U
Acenaphthene	340 U	340 U	340 U	350 U	340 U	330 U	370000	540000
2,4-Dinitrophenol	1700 U	1700 U	1700 UJ	1800 UJ	1700 U	1700 U	100000 U	51000 U
4-Nitrophenol	1700 U	1700 U	1700 UJ	1800 UJ	1700 U	1700 U	100000 U	51000 U
Dibenzofuran	340 U	340 U	340 U	350 U	340 U	330 U	280000	420000
2,4-Dinitrotoluene	340 U	340 U	340 U	350 U	340 U	330 U	20000 U	10000 U
2,6-Dinitrotoluene	340 U	340 U	340 U	350 U	340 U	330 U	20000 U	10000 U
Diethylphthalate	340 U	340 U	340 U	350 U	340 U	330 U	20000 U	10000 U
4-Chlorophenyl-phenylether	340 U	340 U	340 U	350 U	340 U	330 U	20000 U	10000 U
Fluorene	340 U	340 U	340 U	350 U	340 U	330 U	260000	440000
4-Nitroaniline	1700 U	1700 UJ	1700 UJ	1800 UJ	1700 UJ	1700 U	100000 U	51000 U
4,6-Dinitro-2-Methylphenol	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	100000 U	51000 U
N-Nitrosodiphenylamine	340 U	340 U	340 UJ	350 UJ	340 U	330 U	20000 U	10000 U
4-Bromophenyl-phenylether	340 U	340 U	340 U	350 U	340 U	330 U	20000 U	10000 U
Hexachlorobenzene	340 U	340 U	340 U	350 U	340 U	330 U	20000 U	10000 U
Pentachlorophenol	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	60000	51000 U
Phenanthrene	340 U	340 U	340 U	350 U	340 U	330 U	800000 X	93000 X
Anthracene	340 U	340 U	340 U	350 U	340 U	330 U	X	X
Di-n-Butylphthalate	340 U	340 U	340 U	350 U	340 U	140 UJ	20000 U	10000 U
Fluoranthene	340 U	340 U	340 U	350 U	340 U	330 U	420000	820000
Pyrene	340 U	340 U	340 U	350 U	340 U	330 U	240000	240000
Butylbenzylphthalate	340 UJ	340 UJ	340 U	350 U	340 UJ	330 U	20000 U	10000 U
3,3-Dichlorobenzidine	680 UJ	680 UJ	680 U	710 U	680 UJ	660 U	41000 U	20000 U
Benzo(a)Anthracene	340 U	340 U	340 U	350 U	340 U	330 U	180000 Z	240000 Z
bis(2-Ethylhexyl)Phthalate	100 UJ	340 U	340 U	350 U	340 U	330 U	6300 UJ	10000 U
Chrysene	340 U	340 U	340 U	350 U	340 U	330 U	Z	Z
Di-n-Octyl Phthalate	340 UJ	340 UJ	340 U	350 U	340 UJ	330 U	20000 U	10000 U
Benzo(b)Fluoranthene	340 U	340 U	340 U	350 U	340 U	330 U	Y	Y
Benzo(k)Fluoranthene	340 U	340 U	340 U	350 U	340 U	330 U	83000 Y	110000 Y
Benzo(a)Pyrene	340 U	340 U	340 U	350 U	340 U	330 U	23000	10000 U
Indeno(1,2,3-cd)Pyrene	340 UJ	340 UJ	340 U	350 U	340 UJ	330 U	20000 U	10000 U
Dibenzo(a,h)Anthracene	340 U	340 U	340 U	350 U	340 U	330 U	20000 U	10000 U
Benzo(g,h,i)Perylene	340 UJ	340 UJ	340 U	350 U	340 UJ	330 U	20000 U	10000 U

SOUTHERN MARYLAND WOOD TREATING - PHASE II SOIL SAMPLES

SAMPLE NUMBER	B6-002	B7-002	B8-011	B8-012	B9-001	B10-008	B11-003/R	B11-004/R
DIL/CONC FACTOR (VOA)	1	1	1	1	1	1	260	130
DIL/CONC FACTOR (BNA)	1	1	1	1	1	1	1	60
DESCRIPTION								
Aluminum	13700	15900	3960	3550	21200	4880	10020	5580
Chromium	19	18	4.1	4.1	21	16	12 J	6.2 J
Copper	7.1	6.5	3 U	3 U	8.2	3.8 ()	4.6 J	
Iron	18600	14700	1250	1970	19200	9750	28600	6380
Lead	8.9	9.6	1.3 J	1.2 J	10	0.89 J	2.3	1.3
Mercury	0.1 U	0.15	0.1 U	0.1 U	0.11	0.1 U	0.1 UJ	0.1 UJ
Zinc	25	25	3.5	3.3 ()	30	4	8.9 J	4.9 J
TOC	2600000	1270000	191000	29900	543000	626000		
OIL AND GREASE	30600 L	30600 L	41500	30900 L	30600 L	30300 L		

SOUTHERN MARYLAND WOOD TREATING - PHASE II SOIL SAMPLES

SAMPLE NUMBER	B12-005/R	B12-005/R	B13-001	B13-001/002	B13-004	FB-001	MW07-001	MW07-001
DIL/CONC FACTOR (VOA)	1040	1020	1		1	1	5	1
DIL/CONC FACTOR (BNA)	63	60		1	1	1	1	
DESCRIPTION	lab dup	lab dup				Field Blank	1 gram	5.35 gram
Chloromethane	10000 U	10000 U	9 UJ		10 UJ	10 U	42 U	10 U
Bromomethane	10000 U	10000 U	9 UJ		10 UJ	10 U	42 U	10 U
Vinyl Chloride	10000 U	10000 U	9 UJ		10 UJ	10 U	42 U	10 U
Chloroethane	10000 U	10000 U	9 UJ		10 UJ	10 U	42 U	10 U
Methylene Chloride	5200 U	5100 U	25 UJ		5 UJ	140	25 U	5 U
Acetone	10000 U	10000 U	43 UJ		54 UJ	250	42 U	64 UJ
Carbon Disulfide	5200 U	5100 U	4 U		5 U	5 U	21 U	5 U
1,1-Dichloroethene	5200 U	5100 U	4 U		5 U	5 U	21 U	5 U
1,1-Dichloroethane	5200 U	5100 U	4 U		5 U	5 U	21 U	5 U
Trans-1,2-Dichloroethene	5200 U	5100 U	4 U		5 U	5 U	21 U	5 U
hloroform	5200 U	5100 U	4 U		5 U	5 U	21 U	5 U
,2-Dichloroethane	5200 U	5100 U	4 U		5 U	5 U	21 U	5 U
-Butanone	10000 U	10000 U	9 U		10 U	10 U	43 UJ	10 U
,1,1-Trichloroethane	5200 U	5100 U	4 U		5 U	5 U	21 U	5 U
arbon Tetrachloride	5200 U	5100 U	4 U		5 U	5 U	21 U	5 U
inyl Acetate	10000 U	10000 U	9 U		10 U	10 U	42 U	10 U
romodichloromethane	5200 U	5100 U	4 U		5 U	5 U	21 U	5 U
1,2-Dichloropropane	5200 U	5100 U	4 U		5 U	5 U	21 U	5 U
rans-1,3-Dichloropropane	5200 U	5100 U	4 UJ		5 UJ	5 U	21 U	5 U
richloroethene	5200 U	5100 U	4 U		5 U	5 U	21 U	5 U
ibromochloromethane	5200 U	5100 U	4 U		5 U	5 U	21 U	5 U
,1,2-Trichloroethane	5200 U	5100 U	4 U		5 U	5 U	21 U	5 U
Benzene	5200 U	5100 U	4 U		5 U	5 U	21 U	5 U
cis-1,3-Dichloropropene	5200 U	5100 U	4 UJ		5 UJ	5 U	21 U	5 U
2-Chloroethylvinylether	10000 U	10000 U	9 U		10 U	10 U	42 U	10 U
Bromoform	5200 U	5100 U	4 U		5 U	5 U	21 U	5 U
4-Methyl-2-Pentanone	10000 U	10000 U	9 U		10 U	10 U	42 U	10 U
2-Hexanone	10000 U	10000 U	9 U		10 U	10 U	42 U	10 U
Tetrachloroethene	5200 U	5100 U	4 U		5 U	5 U	21 U	5 U
1,1,2,2-Tetrachloroethane	5200 U	5100 U	4 U		5 U	5 U	21 U	5 U
Toluene	8300	8000	2 UJ		5 U	3 UJ	12 UJ	2 UJ
Chlorobenzene	5200 U	5100 U	4 U		5 U	5 U	21 U	5 U
Ethylbenzene	8300	12000	4 U		5 U	5 U	21 U	5 U
Styrene	5900	8800	4 U		5 U	5 U	21 U	5 U
Total Xylenes	30000	42000	4 UJ		5 UJ	5 U	21 U	5 U
Phenol	330 U	3800 J		330 U	340 U	330 U	370 U	
bis(2-Chloroethyl)Ether	330 U	330 U		330 U	340 U	330 UJ	370 U	
2-Chlorophenol	330 U	330 U		330 U	340 U	330 U	370 U	
1,3-Dichlorobenzene	330 U	330 U		330 U	340 U	330 U	370 U	
1,4-Dichlorobenzene	330 U	330 U		330 U	340 U	330 U	370 U	
Benzyl Alcohol	330 U	330 U		330 UJ	340 UJ	330 U	370 U	
1,2-Dichlorobenzene	330 U	330 U		330 U	340 U	330 U	370 U	
2-Methylphenol	330 U	330 U		330 U	340 U	330 U	370 U	
bis(2-chlorosopropyl)Ether	330 U	330 U		330 UJ	340 UJ	330 UJ	370 UJ	
4-Methylphenol	330 U	330 U		330 U	340 U	330 U	370 U	
N-Nitroso-Di-n-Propylamine	330 U	330 U		330 U	340 U	330 UJ	370 U	
Hexachlorethane	330 U	330 U		330 U	340 U	330 U	370 U	
Nitrobenzene	330 U	330 U		330 U	340 U	330 UJ	370 UJ	
Isophorene	330 U	330 U		330 U	340 U	330 U	590	
2-Nitrophenol	330 U	330 U		330 U	340 U	330 U	370 U	

SOUTHERN MARYLAND WOOD TREATING - PHASE II SOIL SAMPLES

SAMPLE NUMBER	B12-005/R	B12-005/R	B13-001	B13-001/002	B13-004	FB-001	MW07-001	MW07-001
DIL/CONC FACTOR (VOA)	1040	1020	1		1	1	5	1
DIL/CONC FACTOR (BNA)	63	60		1	1	1	1	
DESCRIPTION	lab dup	lab dup				Field Blank	1 gram	5.35 gram
2,4-Dimethylphenol	330 U	330 U		330 U	59 J	330 U	370 U	
Benzoic Acid	1600 U	1600 U		1600 UJ	1700 UJ	1600 U	1900 U	
bis(2-Chloroethoxy)Methane	330 U	330 U		330 U	340 U	330 U	370 U	
2,4-Dichlorophenol	330 U	330 U		330 U	340 U	330 U	370 U	
1,2,4-Trichlorobenzene	330 U	330 U		330 U	340 U	330 UJ	370 U	
Naphthalene	2300000	880000		330 U	62 J	330 UJ	370 UJ	
4-Chloroaniline	330 U	320000		330 U	340 U	330 U	370 U	
Hexachlorobutadiene	330 U	330 U		330 U	340 U	330 U	370 U	
4-Chloro-3-Methylphenol	330 U	330 U		330 U	340 U	330 U	370 U	
2-Methylnaphthalene	580000	190000		330 U	340 U	330 U	370 U	
Hexachlorocyclopentadene	330 U	330 U		330 U	340 U	330 UJ	370 UJ	
2,4,6-Trichlorophenol	330 U	330 U		330 U	340 U	330 U	370 U	
2,4,5-Trichlorophenol	1600 U	1600 U		1600 U	1700 U	1600 UJ	1900 U	
2-Chloronaphthalene	330 U	330 U		330 U	340 U	330 U	370 U	
2-Nitroaniline	1600 U	1600 U		1600 U	1700 U	1600 UJ	1900 UJ	
Dimethyl Phthalate	330 U	330 U		330 U	340 U	330 U	370 U	
Acenaphthylene	31000	18000 J		330 UJ	340 UJ	330 UJ	370 UJ	
3-Nitroaniline	1600 U	1600 U		1600 U	1700 U	1600 UJ	1900 U	
Acenaphthene	440000	300000		330 U	340 U	330 U	370 U	
2,4-Dinitrophenol	1600 U	1600 U		1600 U	1700 U	1600 UJ	1900 UJ	
4-Nitrophenol	1600 U	1600 U		1600 U	1700 U	1600 UJ	1900 U	
Dibenzofuran	330000	220000		330 U	340 U	330 UJ	370 UJ	
2,4-Dinitrotoluene	330 U	330 U		330 U	340 U	330 U	370 U	
2,6-Dinitrotoluene	330 U	330 U		330 U	340 U	330 U	370 U	
Diethylphthalate	330 U	2900 J		330 U	340 U	330 U	370 U	
4-Chlorophenyl-phenylether	330 U	330 U		330 U	340 U	330 U	370 U	
Fluorene	380000	270000		330 U	340 U	330 U	370 U	
4-Nitroaniline	1600 U	1600 U		1600 UJ	1700 UJ	1600 UJ	1900 UJ	
4,6-Dinitro-2-Methylphenol	1600 U	1600 U		1600 U	1700 U	1600 UJ	1900 UJ	
N-Nitrosodiphenylamine	330 U	5200 J		330 U	340 U	330 U	370 U	
4-Bromophenyl-phenylether	330 U	330 U		330 U	340 U	330 UJ	370 U	
Hexachlorobenzene	330 U	330 U		330 U	340 U	330 U	370 U	
Pentachlorophenol	76000	36000		1600 U	1700 U	1600 U	1900 U	
Phenanthrene	900000 X	840000 X		330 U	340 U	330 U	370 U	
Anthracene	X	X		330 U	340 U	330 U	370 U	
Di-n-Butylphthalate	330 U	330 U		330 U	340 U	330 U	370 UJ	
Fluoranthene	640000	390000		330 U	340 U	330 U	370 U	
Pyrene	220000	150000		330 U	340 U	330 U	370 U	
Butylbenzylphthalate	330 U	330 U		330 UJ	340 UJ	330 U	370 UJ	
3,3-Dichlorobenzidine	660 U	660 U		660 UJ	680 UJ	660 U	740 UJ	
Benzo(a)Anthracene	190000 Z	140000 Z		330 U	340 U	330 U	370 U	
bis(2-Ethylhexyl)Phthalate	330 U	330 U		330 U	340 U	330 U	370 UJ	
Chrysene	Z	Z		330 U	340 U	330 U	370 U	
Di-n-Octyl Phthalate	330 U	330 U		330 UJ	340 UJ	330 U	370 U	
Benzo(b)Fluoranthene	Y	Y		330 U	340 U	330 UJ	370 U	
Benzo(k)Fluoranthene	77000 Y	49000 Y		330 U	340 U	330 UJ	370 UJ	
Benzo(a)Pyrene	61000	28000		330 U	340 U	330 U	370 U	
Indeno(1,2,3-cd)Pyrene	13000	330 U		330 UJ	340 UJ	330 UJ	370 UJ	
Dibenzo(a,h)Anthracene	330 U	330 U		330 U	340 U	330 UJ	370 UJ	
Benzo(g,h,i)Perylene	330 U	330 U		330 UJ	340 UJ	330 U	370 UJ	

SOUTHERN MARYLAND WOOD TREATING - PHASE II SOIL SAMPLES

SAMPLE NUMBER	B12-005/R	B12-005/R	B13-001	B13-001/002	B13-004	FB-001	MW07-001	MW07-001
DIL/CONC FACTOR (VOA)	1040	1020	1		1	1	5	1
DIL/CONC FACTOR (BNA)	63	60		1	1	1	1	
DESCRIPTION	lab dup	lab dup				Field Blank	1 gram	5.35 gram
Aluminum	4090	4580		8380	2610	20 U	8460	
Chromium	9.1	9.4		10 J	6.7	1 U	8.9 J	
Copper	4.1	5.2		3.4 J()	2.9 ()	3 U	4.2 J()	
Iron	10600	11900		11000	5550	10 U	9210	
Lead	1.8 J			6.3	1 UJ	1 U	7.7	
Mercury	0.1 U	0.1 U		0.1 UJ	0.1 U	0.1 U	0.53 J	
Zinc	4.7	5.6		9.7 J	2.3 ()	2 U	10 J	
TOC				2000000	450000		1250000 J	
OIL AND GREASE				30300 L	30600 L		33400 L	

SOUTHERN MARYLAND WOOD TREATING - PHASE II SOIL SAMPLES

SAMPLE NUMBER	MW07-002	MW07-002	MW07-003	MW09-001/R	MW09-001	MW16-001/R	SS1-001	SS2-001
DIL/CONC FACTOR (VOA)	5	1.1		3.7	1	1000	1	1
DIL/CONC FACTOR (BNA)			1				1	1
DESCRIPTION	1 gram	5.12 gram		1 gram	5.03 gram			
Chloromethane	38 U	10 U		37 U	10 U	10000 U	10 UJ	10 UJ
Bromomethane	38 U	10 U		37 U	10 U	10000 U	10 UJ	10 UJ
Vinyl Chloride	38 U	10 U		37 U	10 U	10000 UJ	10 U	10 U
Chloroethane	38 U	10 U		37 U	10 U	10000 UJ	10 UJ	10 UJ
Methylene Chloride	19 U	30 UJ		18 U	25 UJ	5000 UJ	5 UJ	5 UJ
Acetone	38 U	23 UJ		37 U	92 UJ	10000 UJ	10 UJ	16 UJ
Carbon Disulfide	19 U	5 U		18 U	5 U	5000 UJ	5 U	5 U
1,1-Dichloroethene	19 U	5 U		18 U	5 U	5000 U	5 U	5 U
1,1-Dichloroethane	19 U	5 U		18 U	5 U	5000 U	5 U	5 U
Trans-1,2-Dichloroethene	19 U	5 U		18 U	5 U	5000 U	5 U	5 U
Chloroform	19 U	5 U		18 U	5 U	5000 U	5 U	5 U
1,2-Dichloroethane	19 U	5 U		18 U	5 U	5000 U	5 UJ	5 UJ
2-Butanone	38 U	10 U		37 U	10 U	10000 UJ	10 U	10 U
1,1,1-Trichloroethane	19 U	5 U		18 U	5 U	5000 U	5 U	5 U
Carbon Tetrachloride	19 U	5 U		18 U	5 U	5000 UJ	5 UJ	5 UJ
Vinyl Acetate	38 U	10 U		37 U	10 U	10000 U	10 U	10 U
Bromodichloromethane	19 U	5 U		18 U	5 U	5000 U	5 U	5 U
1,2-Dichloropropane	19 U	5 U		18 U	5 U	5000 U	5 U	5 U
Trans-1,3-Dichloropropane	19 U	5 U		18 U	5 U	5000 UJ	5 UJ	5 UJ
Trichloroethene	19 U	5 U		18 U	5 U	5000 U	5 U	5 U
Dibromochloromethane	19 U	5 U		18 U	5 U	5000 U	5 U	5 U
1,1,2-Trichloroethane	19 U	5 U		18 U	5 U	5000 U	5 U	5 U
Benzene	19 U	5 U		18 U	5 U	5000 U	5 U	5 U
cis-1,3-Dichloropropene	19 U	5 U		18 U	5 U	5000 UJ	5 UJ	5 UJ
2-Chloroethylvinylether	38 U	10 U		37 U	10 U	10000 U	10 U	10 U
Bromoform	19 U	5 U		18 U	5 U	5000 U	5 U	5 U
4-Methyl-2-Pentanone	38 U	10 U		37 U	10 U	10000 UJ	10 UJ	10 UJ
2-Hexanone	38 U	10 U		37 U	10 U	10000 UJ	10 UJ	10 UJ
Tetrachloroethene	19 U	5 U		18 U	5 U	5000 U	5 U	5 U
1,1,2,2-Tetrachloroethane	19 U	5 U		18 U	5 U	5000 U	5 U	5 U
Toluene	12 UJ	2 UJ		7 UJ	3 UJ	2400 J	2 UJ	2 UJ
Chlorobenzene	19 U	5 U		18 U	5 U	5000 U	5 U	5 U
Ethylbenzene	19 U	5 U		18 U	5 U	8200	5 U	5 U
Styrene	19 U	5 U		18 U	5 U	2000 J	5 U	5 U
Total Xylenes	19 U	5 U		18 U	5 U	6000 J	5 UJ	5 UJ
Phenol			380 U	340 U		20000 U	340 U	340 U
bis(2-Chloroethyl)Ether			380 U	340 U		20000 U	340 U	340 U
2-Chlorophenol			380 U	340 U		20000 U	340 U	340 U
1,3-Dichlorobenzene			380 U	340 U		20000 U	340 U	340 U
1,4-Dichlorobenzene			380 U	340 U		20000 U	340 U	340 U
Benzyl Alcohol			380 U	340 U		20000 UJ	340 U	340 UJ
1,2-Dichlorobenzene			380 U	340 U		20000 U	340 U	340 U
2-Methylphenol			380 U	340 U		20000 U	340 U	340 U
bis(2-chlorosopropyl)Ether			380 U	340 U		20000 U	340 U	340 UJ
4-Methylphenol			380 U	340 U		20000 U	340 U	340 U
N-Nitroso-Di-n-Propylamine			380 U	340 U		20000 UJ	340 U	340 U
Hexachlorethane			380 U	340 U		20000 U	340 U	340 U
Nitrobenzene			380 U	340 U		20000 U	340 U	340 U
Isophorene			380 U	340 U		20000 U	340 U	340 U
2-Nitrophenol			380 U	340 U		20000 U	340 U	340 U

SOUTHERN MARYLAND WOOD TREATING - PHASE II SOIL SAMPLES

SAMPLE NUMBER	MW07-002	MW07-002	MW07-003	MW09-001/R	MW09-001	MW16-001/R	SS1-001	SS2-001
DIL/CONC FACTOR (VOA)	5	1.1		3.7	1	1000	1	1
DIL/CONC FACTOR (BNA)			1				1	1
DESCRIPTION	1 gram	5.12 gram		1 gram	5.03 gram			
2,4-Dimethylphenol			380 U	340 U		20000 U	340 U	340 U
Benzoic Acid			1900 U	1700 U		100000 UJ	1700 U	1700 UJ
bis(2-Chloroethoxy)Methane			380 U	340 U		20000 U	340 U	340 U
2,4-Dichlorophenol			380 U	340 U		20000 U	340 U	340 U
1,2,4-Trichlorobenzene			380 U	340 U		20000 U	340 U	340 U
Naphthalene			380 U	1700		930000	340 U	340 U
4-Chloroaniline			380 U	340 U		20000 UJ	340 U	340 U
Hexachlorobutadiene			380 U	340 U		20000 U	340 U	340 U
4-Chloro-3-Methylphenol			380 U	340 U		20000 U	340 U	340 U
2-Methylnaphthalene			380 U	99 J		200000 J	340 U	340 U
Hexachlorocyclopentadene			380 U	340 U		20000 U	340 U	340 U
2,4,6-Trichlorophenol			380 U	340 U		20000 U	340 U	340 U
2,4,5-Trichlorophenol			1900 U	1700 U		100000 U	1700 U	1700 U
2-Chloronaphthalene			380 U	340 U		20000 U	340 U	340 U
2-Nitroaniline			1900 U	1700 U		100000 U	1700 U	1700 U
Dimethyl Phthalate			380 U	340 U		20000 U	340 U	340 U
Acenaphthylene			380 U	340 U		25000	340 U	340 U
3-Nitroaniline			1900 U	1700 U		100000 UJ	1700 U	1700 U
Acenaphthene			380 U	520		340000	340 U	340 U
2,4-Dinitrophenol			1900 U	1700 U		100000 UJ	1700 U	1700 UJ
4-Nitrophenol			1900 U	1700 U		100000 UJ	1700 U	1700 UJ
Dibenzofuran			380 U	620		270000	340 U	340 U
2,4-Dinitrotoluene			380 U	340 U		20000 U	340 U	340 U
2,6-Dinitrotoluene			380 U	340 U		20000 U	340 U	340 U
Diethylphthalate			380 U	340 U		20000 U	340 U	340 U
4-Chlorophenyl-phenylether			380 U	340 U		20000 U	340 U	340 U
Fluorene			380 U	1000		290000	340 U	340 U
4-Nitroaniline			1900 U	1700 U		100000 UJ	1700 U	1700 UJ
4,6-Dinitro-2-Methylphenol			1900 U	1700 U		100000 U	1700 U	1700 U
N-Nitrosodiphenylamine			380 U	340 U		20000 U	340 U	340 U
4-Bromophenyl-phenylether			380 U	340 U		20000 U	340 U	340 U
Hexachlorobenzene			380 U	340 U		20000 U	340 U	340 U
Pentachlorophenol			1900 U	1700 U		90000 J	1700 U	1700 U
Phenanthrene			380 U	4600		930000 X	340 U	340 U
Anthracene			380 U	340 U		X	340 U	340 U
Di-n-Butylphthalate			380 U	90 UJ		440000	340 U	340 U
Fluoranthene			380 U	1300		170000	340 U	340 U
Pyrene			380 U	530		20000 UJ	340 U	340 U
Butylbenzylphthalate			380 U	530 U		20000 R	340 U	340 U
3,3-Dichlorobenzidine			770 U	690 U		40000 U	680 U	680 UJ
Benzo(a)Anthracene			380 U	380 J		160000 Z	340 U	340 U
bis(2-Ethylhexyl)Phthalate			380 U	2000 UJ		20000 UJ	180 UJ	180 UJ
Chrysene			380 U	340 U		Z	340 U	340 U
Di-n-Octyl Phthalate			380 U	340 U		20000 UJ	340 U	340 UJ
Benzo(b)Fluoranthene			380 U	340 U		Y	340 U	340 U
Benzo(k)Fluoranthene			380 U	140 J		74000 Y	340 U	340 U
Benzo(a)Pyrene			380 U	38 J		30000	340 U	340 U
Indeno(1,2,3-cd)Pyrene			380 U	340 U		20000 UJ	340 U	340 UJ
Dibenzo(a,h)Anthracene			380 U	340 U		20000 UJ	340 U	340 UJ
Benzo(g,h,i)Perylene			380 U	340 U		20000 UJ	340 U	340 UJ

SOUTHERN MARYLAND WOOD TREATING - PHASE II SOIL SAMPLES

SAMPLE NUMBER	MW07-002	MW07-002	MW07-003	MW09-001/R	MW09-001	MW16-001/R	SS1-001	SS2-001
DIL/CONC FACTOR (VOA)	5	1.1		3.7	1	1000	1	1
DIL/CONC FACTOR (BNA)			1				1	1
DESCRIPTION	1 gram	5.12 gram		1 gram	5.03 gram			
Aluminum			1360	511		8320	15800	20 U
Chromium			3.2 J	1.2 ()		21 J	15	1 U
Copper				3 U		8.3 J	11	3 U
Iron			1520	9760		19500	12000	10 U
Lead			1.5	R		5.5	13	1 U
Mercury			0.1 UJ	0.1 UJ		0.1 UJ	0.1 U	0.1 U
Zinc			2 UJ	2 U		3.4 J	65	2 U
TOC						42000000		
OIL AND GREASE						1620000 J		

SOUTHERN MARYLAND WOOD TREATING - PHASE II SOIL SAMPLES

SAMPLE NUMBER	SS2-002	SS3-001	SS4-001	SS5-001	SS5-002	SS5-002	SS6-001	TB-001
DIL/CONC FACTOR (VOA)	1	1	1	1	1	1	4.5	1
DIL/CONC FACTOR (BNA)	1	1	1	1	1	1	1	1
DESCRIPTION					2 results	2 results		Trip Blank
Chloromethane	10 UJ	10 UJ	10 U	10 U	10 U	10 U	45 U	10 UJ
Bromomethane	10 UJ	10 UJ	10 U	10 U	10 U	10 U	45 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U	10 U	10 U	45 U	10 U
Chloroethane	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	45 U	10 UJ
Methylene Chloride	5 UJ	5 UJ	5 U	5 U	5 UJ	5 UJ	22.5 U	2000
Acetone	17 UJ	16 UJ	10 U	10 U	21 UJ	21 UJ	54 UJ	10 UJ
Carbon Disulfide	5 U	5 U	5 U	5 U	5 U	5 U	22.5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	22.5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	22.5 U	5 U
Trans-1,2-Dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	22.5 U	5 U
Chloroform	5 UJ	5 UJ	5 U	5 U	5 U	5 U	22.5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	22.5 U	5 U
2-Butanone	10 U	10 U	10 U	10 U	10 U	10 U	45 U	10 U
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	22.5 U	5 U
Carbon Tetrachloride	5 UJ	5 UJ	5 U	5 U	5 U	5 U	22.5 U	5 U
Vinyl Acetate	10 U	10 U	10 U	10 U	10 U	10 U	45 U	10 UJ
Bromodichloromethane	5 U	5 U	5 U	5 U	5 U	5 U	22.5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U	5 U	5 U	22.5 U	5 U
Trans-1,3-Dichloropropane	5 UJ	5 UJ	5 U	5 U	5 UJ	5 UJ	22.5 U	5 UJ
Trichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	22.5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	5 U	5 U	5 U	22.5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	22.5 U	5 U
Benzene	5 U	5 U	5 U	5 U	5 U	5 U	22.5 U	5 U
cis-1,3-Dichloropropene	5 UJ	5 UJ	5 U	5 U	5 UJ	5 UJ	22.5 U	5 UJ
2-Chloroethylvinylether	10 U	10 U	10 U	10 U	10 U	10 U	45 U	10 U
Bromoform	5 U	5 U	5 U	5 U	5 U	5 U	22.5 U	5 U
4-Methyl-2-Pentanone	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	45 U	10 U
2-Hexanone	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	45 U	10 UJ
Tetrachloroethene	5 U	5 U	5 U	5 U	5 U	5 U	22.5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 U	5 U	22.5 U	5 U
Toluene	2 UJ	3 UJ	2 UJ	5 U	5 U	2 UJ	10 UJ	3 UJ
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	22.5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	22.5 U	5 U
Styrene	5 U	5 U	5 U	5 U	5 U	5 U	22.5 U	5 U
Total Xylenes	5 UJ	5 UJ	5 U	5 U	5 UJ	5 UJ	22.5 U	5 UJ
Phenol	340 U	340 U	340 U	340 U	340 U		990 U	330 U
bis(2-Chloroethyl)Ether	340 U	340 U	340 U	340 U	340 U		990 U	330 U
2-Chlorophenol	340 U	340 U	340 U	340 U	340 U		990 U	330 U
1,3-Dichlorobenzene	340 U	340 U	340 U	340 U	340 U		990 U	330 U
1,4-Dichlorobenzene	340 U	340 U	340 U	340 U	340 U		990 U	330 U
Benzyl Alcohol	340 UJ	340 UJ	340 UJ	340 UJ	340 U		990 U	330 U
1,2-Dichlorobenzene	340 U	340 U	340 U	340 U	340 U		990 U	330 U
2-Methylphenol	340 U	340 U	340 U	340 U	340 U		990 U	330 U
bis(2-chlorosopropyl)Ether	340 UJ	340 UJ	340 UJ	340 UJ	340 U		990 U	330 U
4-Methylphenol	340 U	340 U	340 U	340 U	340 U		990 U	330 U
N-Nitroso-Di-n-Propylamine	340 U	340 U	340 U	340 U	340 U		990 U	330 U
Hexachlorethane	340 U	340 U	340 U	340 U	340 U		990 U	330 U
Nitrobenzene	340 U	340 U	340 U	340 U	340 U		990 U	330 U
Isophorene	340 U	340 U	340 U	340 U	340 U		990 U	330 U
2-Nitrophenol	340 U	340 U	340 U	340 U	340 U		990 U	330 U

SOUTHERN MARYLAND WOOD TREATING - PHASE II SOIL SAMPLES

SAMPLE NUMBER	SS2-002	SS3-001	SS4-001	SS5-001	SS5-002	SS5-002	SS6-001	TB-001
DIL/CONC FACTOR (VOA)	1	1	1	1	1	1	4.5	1
DIL/CONC FACTOR (BNA)	1	1	1	1	1	1	1	1
DESCRIPTION					2 results	2 results		Trip Blank
2,4-Dimethylphenol	340 U	340 U	340 U	340 U	340 U		990 U	330 U
Benzoic Acid	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1700 U		5000 U	1600 U
bis(2-Chloroethoxy)Methane	340 U	340 U	340 U	340 U	340 U		990 U	330 U
2,4-Dichlorophenol	340 U	340 U	340 U	340 U	340 U		990 U	330 U
1,2,4-Trichlorobenzene	340 U	340 U	340 U	340 U	340 U		990 U	330 U
Naphthalene	340 U	340 U	340 U	340 U	340 U		990 U	330 U
4-Chloroaniline	340 U	340 U	340 U	340 U	340 U		990 U	330 U
Hexachlorobutadiene	340 U	340 U	340 U	340 U	340 U		990 U	330 U
4-Chloro-3-Methylphenol	340 U	340 U	340 U	340 U	340 U		990 U	330 U
2-Methylnaphthalene	340 U	340 U	340 U	340 U	340 U		990 U	330 U
Hexachlorocyclopentadene	340 U	340 U	340 U	340 U	340 U		990 U	330 U
2,4,6-Trichlorophenol	340 U	340 U	340 U	340 U	340 U		990 U	330 U
2,4,5-Trichlorophenol	1700 U	1700 U	1700 U	1700 U	1700 U		5000 U	1600 U
2-Chloronaphthalene	340 U	340 U	340 U	340 U	340 U		990 U	330 U
2-Nitroaniline	1700 U	1700 U	1700 U	1700 U	1700 U		5000 U	1600 U
Dimethyl Phthalate	340 U	340 U	340 U	340 U	340 U		990 U	330 U
Acenaphthylene	340 U	340 U	340 U	340 U	340 U		680 J	330 U
3-Nitroaniline	1700 U	1700 U	1700 U	1700 U	1700 U		5000 U	1600 U
Acenaphthene	340 U	340 U	340 U	340 U	340 U		990 U	330 U
2,4-Dinitrophenol	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1700 U		5000 U	1600 U
4-Nitrophenol	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1700 U		5000 U	1600 U
Dibenzofuran	340 U	340 U	340 U	340 U	340 U		990 U	330 U
2,4-Dinitrotoluene	340 U	340 U	340 U	340 U	340 U		990 U	330 U
2,6-Dinitrotoluene	340 U	340 U	340 U	340 U	340 U		990 U	330 U
Diethylphthalate	340 U	340 U	340 U	340 U	340 U		990 U	330 U
4-Chlorophenyl-phenylether	340 U	340 U	340 U	340 U	340 U		990 U	330 U
Fluorene	340 U	340 U	340 U	340 U	340 U		990 U	330 U
4-Nitroaniline	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1700 U		5000 U	1600 U
4,6-Dinitro-2-Methylphenol	1700 U	1700 U	1700 U	1700 U	1700 U		5000 U	1600 U
N-Nitrosodiphenylamine	340 U	340 U	340 U	340 U	340 U		990 U	330 U
4-Bromophenyl-phenylether	340 U	340 U	340 U	340 U	340 U		990 U	330 U
Hexachlorobenzene	340 U	340 U	340 U	340 U	340 U		990 U	330 U
Pentachlorophenol	1700 U	1700 U	1700 U	1700 U	1700 U		5000 U	1600 U
Phenanthrene	340 U	340 U	340 U	340 U	340 U		1200	330 U
Anthracene	340 U	340 U	340 U	340 U	340 U		990 U	330 U
Di-n-Butylphthalate	340 U	340 U	340 U	340 U	340 U		990 U	330 U
Fluoranthene	340 U	340 U	340 U	170 J	340 U		3000	330 U
Pyrene	340 U	340 U	340 U	124 J	340 U		3600	330 U
Butylbenzylphthalate	340 U	340 U	340 U	340 U	340 U		990 U	330 U
3,3-Dichlorobenzidine	680 UJ	680 UJ	680 UJ	670 UJ	670 U		2000 U	660 U
Benzo(a)Anthracene	340 U	180 J	340 U	340 U	340 U		6700	330 U
bis(2-Ethylhexyl)Phthalate	160 UJ	340 U	340 U	340 U	340 U		990 U	330 U
Chrysene	340 U	340 U	340 U	340 U	340 U		990 U	330 U
Di-n-Octyl Phthalate	340 UJ	340 UJ	340 UJ	340 UJ	340 U		990 U	330 U
Benzo(b)Fluoranthene	340 U	340 U	340 U	340 U	340 U		990 U	330 U
Benzo(k)Fluoranthene	340 U	340 U	340 U	340 U	340 U		7600	330 U
Benzo(a)Pyrene	340 U	340 U	340 U	340 U	340 U		5600	330 U
Indeno(1,2,3-cd)Pyrene	340 UJ	340 UJ	340 UJ	340 UJ	340 U		1700	330 U
Dibenzo(a,h)Anthracene	340 UJ	340 UJ	340 UJ	340 UJ	340 U		990 U	330 U
Benzo(g,h,i)Perylene	340 UJ	340 UJ	340 UJ	340 UJ	340 U		990 U	330 U

SOUTHERN MARYLAND WOOD TREATING - PHASE II SOIL SAMPLES

SAMPLE NUMBER	SS2-002	SS3-001	SS4-001	SS5-001	SS5-002	SS5-002	SS6-001	TB-001
DIL/CONC FACTOR (VOA)	1	1	1	1	1	1	4.5	1
DIL/CONC FACTOR (BNA)	1	1	1	1	1	1	1	1
DESCRIPTION					2 results	2 results		Trip Blank
Aluminum	8690	9460	6860	6650	12800		8190	20 U
Chromium	6.9 J	9.8 J	6.3 J	8.2 J	12 J		9.3 J	1 U
Copper	3 J()	4.4 J()	3 R	R	4 J()		4 J()	3 U
Iron	6670	10020	4820	7280	12400		8580	10 U
Lead	7.9	6.5	7.1	8.9	6.5		13	1 U
Mercury	0.1 UJ	0.1 UJ	0.88 J	0.1 UJ	0.29 J		0.1 UJ	0.1 U
Zinc	17 J	12 J	15 J	14 J	12 J		17 J	2 U
TOC								
OIL AND GREASE								