

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 2/28/96 Location H833-SB2304

Samplers Used SS - SPLIT SPOON
SS - SPOON
AI - PIE PAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather P. Cloudy - High 75°

Soil/sediment sampling parameters: 8020/8100/DRO/GRO

Description of sample Yellow - Red

Time of sample collection 1150

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas 53 ^{cup} ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 53 ^{cup} ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

W. V. K.

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 2/29/96 Location H833-5B24

Samplers Used D Howard D Humphris

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Partly Cloudy, Temp 55°F, slight breeze

Soil/sediment sampling parameters:

Description of sample see boring log

Time of sample collection 1640-5B2401 / 1705-5B2402

Depth of water (for sediment sampling) _____

Decontamination (page number reference) _____

Spoons or spatulas spoon

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons ✓

Photograph frame numbers None

Signature (of field team personnel making data entry) _____

Daniel Howard

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 2/29/96 Location H833-SB2501

Samplers Used SS- SPLIT SPOON
SS- SPOON
AI- PIE PAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather P. Cloudy - High 75°

Soil/sediment sampling parameters: 8020/8100/DRO/GRO

Description of sample Dark Grey

Time of sample collection 1403

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas 56 (up) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 56 (up) ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

W. Vayn

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 2/29/96 Location H833-SB2502

Samplers Used SS-SPLIT SPOON
SS-SPOON
BI-DIE PAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather P-Cloudy - High 75°

Soil/sediment sampling parameters: 8020/8100/DRO/GRO

Description of sample Dusky Red

Time of sample collection 1415

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas 56 (up) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 56 (up) ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

W. Vign

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/4/96 Location H 833-SB 26

Samplers Used D Howard, D Humphris

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Clear & cool, temp 50°F, slight breeze

Soil/sediment sampling parameters:

Description of sample see boring log

Time of sample collection SB 2601 0832 / SB 2602 0855

Depth of water (for sediment sampling) _____

Decontamination (page number reference) _____

Spoons or spatulas spoon

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons ✓

Photograph frame numbers None

Signature (of field team personnel making data entry) _____

Daniel Howard

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 2/29/96 Location H833-SB2701

Samplers Used SS-SPLIT SPOON
SS-SPOON
AL-PIEPAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Cloudy - High 65°

Soil/sediment sampling parameters: 8029/8100/DRO/GRO

Description of sample Ret-Black

Time of sample collection 1440

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas 59 (APU) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 59 (APU) ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

W. King

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 2/29/96

Location H833-SB2702

Samplers Used SS - SPLIT SPOON

SS - SPOON

AI - PIE PAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Cloudy - High 65°

Soil/sediment sampling parameters: 8029/8104/DRO/GRO

Description of sample Red - Black

Time of sample collection 1450

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas 59 (up) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 59 (up) ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

W. Vez

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 2/29/96 Location H833-SB^{PH}28
Samplers Used D Howard D Humphris

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Partly cloudy, temp 55°F, slight ^{PH} breeze

Soil/sediment sampling parameters:

Description of sample SB2801 medium brown sand / SB2802 dark brown sand
Time of sample collection 1505 / 1525
Depth of water (for sediment sampling) _____

Decontamination (page number reference) _____

Spoons or spatulas spoon

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons ✓

Photograph frame numbers None

Signature (of field team personnel making data entry) _____

Daniel Howard

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 2/28/96

Location H833-SB2901

Samplers Used SS-SPLIT SPOON
SS-SPOON
AI-PIEPAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather P. Cloudy - High 75°

Soil/sediment sampling parameters: 8029/8009/DRO/GRO

Description of sample Lt Brown - Gray

Time of sample collection 1520

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas 56 (up) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 56 (up) ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

W. Vay

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 2/28/96

Location H833-SB2902

Samplers Used SS-SPAT SPOON
SS-SPOON
AI-PIE PAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather P. Cloudy - High 75°

Soil/sediment sampling parameters: 8029/8/00/PRO/GED

Description of sample Dark Red-Brown

Time of sample collection 1535

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-2D

Spoons or spatulas 56 (up) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 56 (up) ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

W. Vey

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 2/28/96 Location H833-SB2903

Samplers Used SS-SPLIT SPOON
SS-SPOON
A1-PIE PAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather P. Cloudy - High 75°

Soil/sediment sampling parameters: 8020/8104/DR0/GPD

Description of sample Strong Brown

Time of sample collection 1550.

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas 5 (up) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 5 (up) ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

W. Veng

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 2/28/96 Location H833-SB2904

Samplers Used SS - SPLIT SPOON
SS - SPOON
AI - PIE PAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather P. Cloudy - High 75°

Soil/sediment sampling parameters: 8029/8100/PRO/GRO

Description of sample Olive Brown

Time of sample collection 1600

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas 56 (UPV) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 56 (UPV) ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

W. Key

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/4/96

Location H833-SB30

Samplers Used D Howard, D Humphris

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Clear & cool, temp 50-55°F, slight breeze

Soil/sediment sampling parameters:

Description of sample see boring log

Time of sample collection 0920 - SB3001 / 0935 - SB3002 + SB3003

Depth of water (for sediment sampling) _____

Decontamination (page number reference) _____

Spoons or spatulas spoon

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons ✓

Photograph frame numbers None

Signature (of field team personnel making data entry) _____

Daniel Howard

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/4/96 Location H833-SB3101

Samplers Used SS - SPLIT SPOON
SS - SPOON
AI - PIE PAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Sunny - High 70°

Soil/sediment sampling parameters: 8029/8109/DRO/GRO

Description of sample Black

Time of sample collection 0840

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas 61 (up) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 61 (up) ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

W. Vey

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/4/96 Location H833-SB3/02

Samplers Used SS - SPLIT SPOON
SS - SPOON
AI - PIE PAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Sunny - High 70°

Soil/sediment sampling parameters: 8020/8100/DRO/GRD

Description of sample Dark - Red/Brown

Time of sample collection 0850.

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas 6 (APV) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons _____

Photograph frame numbers 6 (APV) ✓

Signature (of field team personnel making data entry) _____

W. Vey

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 2/28/96 Location H833-SB3201

Samplers Used SS-SPLIT SPOON
SS-SPOON
AI-PIE PAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather P. Cloudy - High 75°

Soil/sediment sampling parameters: 8020/8100/PRO/GRO

Description of sample Dark Gray

Time of sample collection 1627

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas 56 (up) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons _____

Photograph frame numbers 56 (up) ✓

Signature (of field team personnel making data entry) _____

W. Vey

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 2/29/96 Location #833-SB3202

Samplers Used SS-SPLIT SPOON
SS-SPOON
AI-PIE-PAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Cloudy - High 65°

Soil/sediment sampling parameters: 802g/810g/DRG/GRS

Description of sample Dark Red-Gray

Time of sample collection 0910

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDA P A-27

Spoons or spatulas 56(CUP) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 56(CUP) ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

W. V. King

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 2/29/96 Location H833-SB3203

Samplers Used SS - SPLIT SPOON
SS - SPOON
AI - PIE PAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Cloudy - High 65°

Soil/sediment sampling parameters: 8029/8100/DRO/GRO

Description of sample Brown

Time of sample collection 0920

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas 56 (up) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 56 (up) ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) W. Key

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 2/29/96 Location H833-SB204
Samplers Used SS-SPLIT SPOON
SS-SPOON
AI-PIE PAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Cloudy - High 65°

Soil/sediment sampling parameters: 8020/8100/DRO/GRO

Description of sample Brown

Time of sample collection 0930

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas 56 (AP) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 56 (AP) ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

W. V. V.

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/4/96 Location H833-SB3301

Samplers Used SS-SPLIT SPOON
SS-SPOON
AL-PIE PLATE

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Sunny - High 70°

Soil/sediment sampling parameters: 802g/800/DRG/GRO

Description of sample Pale Brown

Time of sample collection 0915

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas 6 (up) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 6 (up) ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

W. Veigl

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/4/96 Location #833-SB 3302

Samplers Used SS - SPLIT SPOON
SS - SPOON
AT - PIE PAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Sunny - High 70°

Soil/sediment sampling parameters: 8020/8100/DRO/GRO

Description of sample Pale Brown

Time of sample collection 0925

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas 6 (up) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 6 (up) ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

W. Verry

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/4/96 Location H833-SB34

Samplers Used D Howard, D Humphris

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Clear, sunny temp 65°F, slight breeze

Soil/sediment sampling parameters:

Description of sample see boring log

Time of sample collection 1112-SB3401 / 1130-SB3402 & split

Depth of water (for sediment sampling) _____

Decontamination (page number reference) _____

Spoons or spatulas spoon

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons ☒

Photograph frame numbers None

Signature (of field team personnel making data entry) _____

Daniel Howard

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/4/96 Location H833-SB3501

Samplers Used SS- SPLIT SPOON
SS- SPOON
AI- DIE PAK

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Sunny- High 70°

Soil/sediment sampling parameters: 8029/8100/DRO/GRO

Description of sample Dark Grey-Brown

Time of sample collection 1025

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas 6 (CAP) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 6 (CAP) ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

W. Verry

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/4/96 Location H833 SB3502

Samplers Used SS - SPLIT SPOON
SS - SPOON
AI - PIE PAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Sunny - High 70°

Soil/sediment sampling parameters: 8020/8100/DRG/GRO

Description of sample Dark Yellow Brown

Time of sample collection 1030

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas 6 (up) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 6 (up) ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

W. Vey

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/4/96 Location H 833-SB36

Samplers Used D Howard, D Humphris

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Clear, sunny, temp 65 °F, slight breeze

Soil/sediment sampling parameters:

Description of sample see boring log

Time of sample collection 1152-SB3601 / 1200-SB3602

Depth of water (for sediment sampling) _____

Decontamination (page number reference) _____

Spoons or spatulas spoon

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons ☒

Photograph frame numbers None

Signature (of field team personnel making data entry) _____

Daniel Howard

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/5/96 Location H 833-SB37

Samplers Used D Howard, D Humphris

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Sunny to partly sunny, Temp 70°F, ^{very windy} ~~slight breeze~~ DH

Soil/sediment sampling parameters:

Description of sample see boring log
 Time of sample collection SB3701 1400 / SB3702 1415 / SB3703 1435 / SB3704 1455

Depth of water (for sediment sampling) _____

Decontamination (page number reference) _____

Spoons or spatulas Spoon

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons ✓

Photograph frame numbers None

Signature (of field team personnel making data entry) _____

Daniel Howard

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/4/96 Location H833-SB38

Samplers Used D. Howard D. Humphris

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Clear, sunny, temp 65°F, slight breeze

Soil/sediment sampling parameters:

Description of sample see boring log

Time of sample collection 1230 - H833-583801 + Dup 583803 / ^{1240:} H833-583802

Depth of water (for sediment sampling) _____

Decontamination (page number reference) _____

Spoons or spatulas spoons

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons ✓

Photograph frame numbers None

Signature (of field team personnel making data entry) _____

Daniel Howard

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/4/96 Location H833-SB3901

Samplers Used SS- SPLIT SPOON
SS- SPOON
AT- PIE PAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Sunny- High 70°

Soil/sediment sampling parameters: 8029/8100/DRO/GRO

Description of sample Black- Gray

Time of sample collection 1050.

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-2D

Spoons or spatulas 6 (CUP) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 6 (CUP) ✓

Photograph frame numbers _____

Signature (of field team personnel/making data entry) _____

W. Vey

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/4/96 Location A833-SB3902

Samplers Used SS- SPLIT SPOON
SS- SPOON
AI- PIE PAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Sunny - High 70°

Soil/sediment sampling parameters: POZG/SCAD/DRG/ARO

Description of sample Yellow-Brown

Time of sample collection 1105

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas 67 (APV) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 67 (APV) ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

W. Veyl

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/4/96 Location HP33-SB4001

Samplers Used SS- SPLIT SPOON
SS- SPOON
AI- PIE PAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Sunny - High 70°

Soil/sediment sampling parameters: 8029/8/100/DRG/GRO

Description of sample Dark Gray

Time of sample collection 0830

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas 6 (used) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 6 (used) ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

W. V. V.

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/4/96 Location H833-SB4002

Samplers Used SS-SPLIT SPOON
SS-SPOON
AI-PIEPAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Sunny - High 70°

Soil/sediment sampling parameters: 8020/8200/PRG/GPO

Description of sample Black

Time of sample collection 0835

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-21

Spoons or spatulas BT (APD) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons BT (APD) ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

W. V. K.

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/4/96 Location H833-SB4003

Samplers Used SS- SPLIT SPOON
SS- SPOON
AI- PIE PAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Sunny - High 70°

Soil/sediment sampling parameters: 8020/8/100/DRO/GRO

Description of sample Lt Yellow-Brown

Time of sample collection 0845

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-2D

Spoons or spatulas 6 (up) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 6 (up) ✓

Photograph frame numbers _____

Signature (of field team personnel/making data entry) _____

W. Veng

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/4/96 Location H833-5B4004

Samplers Used SS-SPLIT SPOON
SS-SPOON
AI-PIE PAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Sunny-High 70°

Soil/sediment sampling parameters: 8020/8100/DRO/GRO

Description of sample Gray

Time of sample collection 1005

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas 6 (KUPD) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 6 (KUPD) ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

W. V. K.

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/4/96 Location H833-SB 4101

Samplers Used SS- SPLIT SPOON
SS- SPOON
AI- PIE PAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Sunny - High 70°

Soil/sediment sampling parameters: 8020/8100/DRO/GRO

Description of sample Dark Yellow - Brown

Time of sample collection 1345

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas 59 (up) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 59 (up) ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

W. Vayle

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/4/96 Location H833-SB 4102

Samplers Used SS - SPLIT SPOON
SS - SPOON
AI - PIE PAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Sunny - High 70°

Soil/sediment sampling parameters: 8020/8/00/DEQ/GRO

Description of sample Dark Yellow - Brown

Time of sample collection 1400

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas 59 (AP) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 59 (AP) ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

W. V. V.

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/4/96 Location H 833 - SB 42

Samplers Used D Howard D. Humphris

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Clear, sunny, temp 70°F, slight breeze

Soil/sediment sampling parameters:

Description of sample see boring log

Time of sample collection 1350-H 833-SB4201 / 1400-H 833-SB4202

Depth of water (for sediment sampling) _____

Decontamination (page number reference) _____

Spoons or spatulas spoons

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons ✓

Photograph frame numbers None

Signature (of field team personnel making data entry) _____

Daniel Howard

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/4/96 Location A833-SB4301
Samplers Used SS - SPLIT SPOON
SS - SPOON
AI - Pie Pan

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Sunny - High 70°

Soil/sediment sampling parameters: 8029/8/100/PR/GRO

Description of sample Black

Time of sample collection 1505

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas 59 (up) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 59 (up) ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

W. Vayg

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/4/96 Location H833-SB4302

Samplers Used SS- SPLIT SPOON
SS- SPOON
AI- PIE PAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Sunny - High 70°

Soil/sediment sampling parameters: 8020/8/09/DRO/GRO

Description of sample Pale Yellow

Time of sample collection 1515

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas 596N ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 596N ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

W. Hey

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/5/96 Location H833-SB4401

Samplers Used SS-SPLIT SPOON
SS-SPOON
AI-PIE PAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather P. Cloudy - High 70°

Soil/sediment sampling parameters: 8020/8100/DRO/GRO

Description of sample Dark Gray

Time of sample collection 1033

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-2D

Spoons or spatulas 66 (WP) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 66 (WP) ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) W. King

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/5/96 Location #833-SB4402

Samplers Used SS-SPLIT SPOON
SS-SPOON
AI-PIE PAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather P. Cloudy - High 70°

Soil/sediment sampling parameters: 8029/8100/DRO/GRO

Description of sample Dark Brown

Time of sample collection 1045

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP - A-27

Spoons or spatulas 66 (APU) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 66 (APU) ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

W. Kyp

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/5/96 Location H833-SB4403
Samplers Used SS-SPLIT SPOON
SS-SPOON
AT-PIEPAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather P. Cloudy - High 70°

Soil/sediment sampling parameters: 802/804/PRG/GRO

Description of sample Dark Brown

Time of sample collection 1055

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas 66 (WPI) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 66 (WPI) ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) W. H. [Signature]

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/5/96 Location H833-SB4404

Samplers Used SS-SPLIT SPOON
SS-SPOON
AI-PIEPAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather P. Cloudy - High 70°

Soil/sediment sampling parameters: 8029/8104/DRO/SRO

Description of sample Lt. Brown Gray

Time of sample collection 1105.

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas 66 (up) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 66 (up) ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

W. King

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/4/96 Location H833-SB4501

Samplers Used SS-SPLIT SPOON
SS-SPOON
AI-PIE PAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Sunny - High 70°

Soil/sediment sampling parameters:

Description of sample Dark Gray

Time of sample collection 1415

Depth of water (for sediment sampling) _____

Decontamination (page number reference) _____

Spoons or spatulas 64

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 64

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

W. King

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/4/96 Location H833-SB4502

Samplers Used SS-SPLIT SPOON
SS-SPOON
AI-PIE PAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Sunny - High 70°

Soil/sediment sampling parameters: 8029/8704/PRO/GRO

Description of sample Pale Yellow

Time of sample collection 1430

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas 64 (APU) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 64 (APU) ✓

Photograph frame numbers ✓

Signature (of field team personnel making data entry) _____

W. Veyl

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/4/96 Location H833-5B46

Samplers Used D Howard, D Humphris

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Clear, sunny, Temp 70°F, slight breeze

Soil/sediment sampling parameters:

Description of sample see boring log

Time of sample collection 1425:5B4601 / 1445:5B4602

Depth of water (for sediment sampling) _____

Decontamination (page number reference) _____

Spoons or spatulas spoon

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons ☒

Photograph frame numbers None

Signature (of field team personnel making data entry) _____

Daniel Howard

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/4/96 Location H833-SB 4701

Samplers Used SS - SPLIT SPOON
SS - SPOON
AT - PIE PAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Sunny-High 70°

Soil/sediment sampling parameters: 802g/800g/PRQ/GRO

Description of sample Dark Yellow-Brown

Time of sample collection 1535

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-21

Spoons or spatulas 64 (UP) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 64 (UP) ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) W. Vay

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/4/96

Location H833-SB4702

Samplers Used SS- SPLIT SPOON
SS- SPOON
AI- PIEPAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Sunny - High 70°

Soil/sediment sampling parameters: 8020/8100/DR/GRO

Description of sample Dark Yellow-Brown

Time of sample collection 1545

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas 64 (APU) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 64 (APU) ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

W. Hays

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/5/96 Location H833-SB 48D1

Samplers Used SS-SPLIT SPOON
SS-SPOON
AI-PIEPAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather P. Cloudy - High 70°

Soil/sediment sampling parameters: 8020/8000/DRY/GRO

Description of sample Dark Brown

Time of sample collection 1333

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-21

Spoons or spatulas *[initials]* ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons *[initials]* ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

[Signature]

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/5/96 Location H833-SB4802

Samplers Used SS-SPLIT SPOON
SS-SPOON
AI-PIEPAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather P. Cloudy - High 70°

Soil/sediment sampling parameters: 8020/8100/DRG/GRO

Description of sample Dark Brown

Time of sample collection 1350

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas *[initials]* ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons *[initials]* ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) *[signature]*

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/5/96

Location HP33-SB4803

Samplers Used SS - SPLIT SPOON
SS - SPOON
AI - PIE PAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather P. Cloudy - High 70°

Soil/sediment sampling parameters: 8029/8100/PRG/GEO

Description of sample Yellow-Brown

Time of sample collection 1355

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas 68 (up) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 68 (up) ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

W. K. [Signature]

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/5/96 Location HP33-SB4804

Samplers Used SS-SPLIT SPOON
SS-SPOON
AI-PIEPAN

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather P. Cloudy - High 70°

Soil/sediment sampling parameters: 8020/8100/DR0/GRO

Description of sample Lt Gray

Time of sample collection 1410

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas 68 (HP) ✓

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons 68 (HP) ✓

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

W. King

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/5/96 Location H833-SR49

Samplers Used D Howard, D Humphris

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Sunny, clear, temp 65-70°F, slight breeze

Soil/sediment sampling parameters:

Description of sample see boring log

Time of sample collection 1115-SB4901 + COE split / 1125-SB4902

Depth of water (for sediment sampling) _____

Decontamination (page number reference) _____

Spoons or spatulas ✓ spoon

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons ✓

Photograph frame numbers None

Signature (of field team personnel making data entry) _____

Daniel Howard

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 3/4/96 Location H 833-SB50

Samplers Used D Howard D Humphris

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Clear, sunny, temp 70°F, slight breeze

Soil/sediment sampling parameters:

Description of sample see boring log

Time of sample collection 1515: H833-SB5001 / 1520: H833-SB5002

Depth of water (for sediment sampling) 4 SB5003 Dup

Decontamination (page number reference) _____

Spoons or spatulas 50% spoon

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons ✓

Photograph frame numbers None

Signature (of field team personnel making data entry) _____

Daniel Howard

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 4/23/96 Location H833-WB0101/H833-WB0102

Samplers Used SS split spoon sampler and SS spoons

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather sunny, low 80's, 5-10 mph breeze

Soil/sediment sampling parameters: VOC 8020/GRO and PAH 8100/DRO

Description of sample fine to medium sand, ^{RGH 4/23/96} yellow light gray

Time of sample collection 1530/1550

Depth of water (for sediment sampling)

Decontamination (page number reference) CDAP A-27

Spoons or spatulas X

Trowel

Hand corer

Hand auger

Bowls

Split spoons X

Photograph frame numbers

Signature (of field team personnel making data entry)

Randal G Mackay

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 4/23/96

Location H833-WB0201/H833-WB0202

Samplers Used SS split spoon sampler and SS spoons

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Sunny, low 80's 5-10 mph breeze

Soil/sediment sampling parameters: VOC 8020/GRO and PAH 8100/DRO

Description of sample fine to medium sand, light brown

Time of sample collection 1325/1405

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas X

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons X

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

Randal G MacKay

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 4-24-96 Location H833 - WB3

Samplers Used D. Howard, B. Rowell

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Clear, 46.5°F, Wind 2 10-20 mph

Soil/sediment sampling parameters:

Description of sample See boring log

Time of sample collection (3-5) - 1035 (8-10) 1045

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP- A27

Spoons or spatulas Spoon

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons ✓

Photograph frame numbers None

Signature (of field team personnel making data entry) _____

B. Rowell

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 04/24/96

Location H833-WB0401/H833-WB0402

Samplers Used SS split spoons and SS spoons

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Sunny, low 80's, light breeze

Soil/sediment sampling parameters: VOC 8020/GRO and PAH 8100/DRO

Description of sample fine to medium white sand and black silt

Time of sample collection 1600/1605

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas X

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons X

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

Randal J. Mackay

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 4-25-96 Location 11833-WB 5

Samplers Used D. Howard, G. Rowell

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Clear = 70-75°F, wind 2-5 mph

Soil/sediment sampling parameters:

Description of sample see boring log

Time of sample collection 0825 (8-10') 0835 (13-15')

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP-A27

Spoons or spatulas Spoons

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons ✓

Photograph frame numbers None

Signature (of field team personnel making data entry) _____

Meg. Rowell

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 4-25-96 Location H833-WB6

Samplers Used D. Howard, G. Rowell

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Clear & 75°F, Wind & 5-10 mph

Soil/sediment sampling parameters:

Description of sample See boring log

Time of sample collection 0925 (1.25-3.25) 0940 (8-10')

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP-A27

Spoons or spatulas Spoons

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons ✓

Photograph frame numbers None

Signature (of field team personnel making data entry) _____

G. Rowell

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 4-29-96 Location H833-WB 7

Samplers Used D. Humphris, G. Rowell

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Clear $\approx$ 75°F, Wind $\approx$ 10 mph

Soil/sediment sampling parameters:

Description of sample See boring log

Time of sample collection 0820 (1.3'-3.3') - 0835 (8'-10')

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP - 127

Spoons or spatulas Spoon

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons ✓

Photograph frame numbers None

Signature (of field team personnel making data entry) _____

G. Rowell

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 4-24-96

Location H833-WB 8

Samplers Used D. Howard, G. Rowell

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Clear, $\approx$ 65°F, Wind $\approx$ 10-20 mph

Soil/sediment sampling parameters:

Description of sample See boring log

Time of sample collection (5.25'-7.25') - 0915 (8'-10') - 0920

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP-A27

Spoons or spatulas Spoon

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons ✓

Photograph frame numbers None

Signature (of field team personnel making data entry) _____

A. Rowell

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 4-24-96 Location H833-WB 9

Samplers Used D. Howard, G. Rowell

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Clear $\approx 75^{\circ}\text{F}$, Wind ≈ 5 mph

Soil/sediment sampling parameters:

Description of sample See boring log

Time of sample collection (4.4-6.4) - 1355 (13-15) - 1415

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP- A27

Spoons or spatulas Spoon

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons ✓

Photograph frame numbers None

Signature (of field team personnel making data entry) _____

G. Rowell

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 4-24-96 Location H833-~~WB~~ 10

Samplers Used D. Howard, G. Rowell

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Clear $\approx 75^{\circ}\text{F}$, Wind ≈ 5 MPH

Soil/sediment sampling parameters:

Description of sample See boring log

Time of sample collection (2.4-4.4) - 1515 (8-10) - 1525

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP- A27

Spoons or spatulas Spoon

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons ✓

Photograph frame numbers None

Signature (of field team personnel making data entry) _____

G. Rowell

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 4/23/96 Location H833-WB1101/H833-WB1102

Samplers Used SS split spoons and SS spoons

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather sunny, low 80's, 5-10 mph breeze

Soil/sediment sampling parameters: VOC 8020/GRO and PAH 8100/DRO

Description of sample fine to medium sand, light yellow-brown

Time of sample collection 0810/0835

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas X

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons X

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

Randal Q Mackay

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 4/22/96 Location (5.3-7.3') (8-10')
H833-WB1201/H833-WB1202

Samplers Used SS split spoons and SS spoons

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Sunny, mid-70's, strong breeze

Soil/sediment sampling parameters: VOC 8020/GRO and PAH 8100/DRO

Description of sample fine to medium dark brown sand

Time of sample collection 1450/1500

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas X

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons X

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

Randal J. Mackay

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 4-22-86 Location B.933 - WB 13

Samplers Used Split spoon^{or} G. Rowell, D. Howard

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather partly cloudy $\approx$ 80°F, wind $\approx$ 10-20 mph

Soil/sediment sampling parameters:

Description of sample Sand, fine grained

Time of sample collection 1230 -(3.5-5.5') . 1240 -(8'-10')

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP- A27

Spoons or spatulas spoon

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons ☒

Photograph frame numbers None

Signature (of field team personnel making data entry) _____

G. Rowell

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 4-22-86 Location H833-WB14

Samplers Used G. Rowell / D. Howard

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Partly Cloudy $\approx 80^{\circ}\text{F}$, $\approx 10-20$ mph wind

Soil/sediment sampling parameters:

Description of sample see boring log

Time of sample collection 8-10' (1400) (13-15') - 1410

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP- A27

Spoons or spatulas spoons

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons ✓

Photograph frame numbers None

Signature (of field team personnel making data entry) _____

G. Rowell

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 04/25/96 Location H833-WB1501/H833-WB1502

Samplers Used SS spl. + spoons and SS spoons

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather sunny, low 70's, no breeze

Soil/sediment sampling parameters: VOC 8020/GRO and PAH 8100/DRO

Description of sample fine to medium sand, dark red to black

Time of sample collection 0830/0840

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas X

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons X

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

Randal J. Mackay

H833-WB1501 was duplicated (WB1503)

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 4/25/96

Location H833-WB1601/H833-WB1602

Samplers Used SS split spoons and SS spoons

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather sunny, high 70's, light breeze

Soil/sediment sampling parameters: VOC 8020/GRO and PAH 8100/DRO

Description of sample silty medium to fine sand, black to dark red

Time of sample collection 0935/0950

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas X

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons X

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

Randal J MacKay

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date

4/22/96

Location

(6.4-7.4') (8-10')
H833-WB1701/H833-WB1702

Samplers Used

SS split spoons and SS spoons

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather

sunny, mid 70's, breeze

Soil/sediment sampling parameters: VOC 8020/GRO PAH8100/DRO

Description of sample pale brown, fine to medium sand

Time of sample collection

1325/1330

Depth of water (for sediment sampling)

Decontamination (page number reference)

CDAP A-27

Spoons or spatulas

X

Trowel

Hand corer

Hand auger

Bowls

Split spoons

X

Photograph frame numbers

Signature (of field team personnel making data entry)

Randal J. McKay

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 4/23/96 Location H833-WB1801/H833-WB1802
Samplers Used SS split spoon and SS spoons

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather sunny, low 80's, 5-10 mph breeze

Soil/sediment sampling parameters: VOC 8020/GRO and PAH 8100/DRO ^{H833-WB1801} (split w/ COE)

Description of sample fine to medium, well-sorted sand, brown-yellow

Time of sample collection 0955/1015

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas X

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons X

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

Randal G. MacKay

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 4-22-86 Location 4833-WB 18

Samplers Used G. Rowell / D. Howard

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Partly Cloudy $\approx 80^{\circ}\text{F}$, 10-20 mph wind

Soil/sediment sampling parameters:

Description of sample See boring log

Time of sample collection 8-10' - (1620) 13-15' (1630)

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP-A27

Spoons or spatulas Spoon

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons ☒

Photograph frame numbers None

Signature (of field team personnel making data entry) _____

G. Rowell

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 4-23-86 Location H893-WB20

Samplers Used D. Howard, G. Rowell

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Clear, $\approx$ 75-80°F, Wind 10-20 mph

Soil/sediment sampling parameters:

Description of sample See boring log

Time of sample collection 1140-(8-10') 1145-(13-15')

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP-A27

Spoons or spatulas Spoon

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons ☒

Photograph frame numbers None

Signature (of field team personnel making data entry) _____

G. Rowell

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 4-23-96 Location H833-WB21

Samplers Used D. Howard, G. Rowell

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Clear, $\approx 75^{\circ}\text{F}$, wind $\approx 5\text{ mph}$.

Soil/sediment sampling parameters:

Description of sample see boring log.

Time of sample collection 5.25-7.25 (0815) 8.10 (0820)

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP-A27

Spoons or spatulas 3 spoons

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons ✓

Photograph frame numbers None

Signature (of field team personnel making data entry) _____

G. Rowell

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 4-23-76 Location 14833-WB22

Samplers Used D. Howard, G. Rowell

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Clear, $\approx 75^{\circ}\text{F}$, Wind $\approx 10-20\text{ mph}$

Soil/sediment sampling parameters:

Description of sample see boring log

Time of sample collection (3:25-5:25) - 0935 (8-10') - 0950

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP-A27

Spoons or spatulas Spoon

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons ✓

Photograph frame numbers None

Signature (of field team personnel making data entry) _____

D. Rowell

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 4-23-96 Location H833-WB23

Samplers Used D. Howard / G. Rowell

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Clear $\pm 80^{\circ}\text{F}$, Wind $\pm 5-15$ mph

Soil/sediment sampling parameters:

Description of sample See boring log

Time of sample collection 1435 (5.25-7.25) 1440 (8-10)

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP- A27

Spoons or spatulas Spoon

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons ✓

Photograph frame numbers None

Signature (of field team personnel making data entry) _____

G. Rowell

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 4-23-96

Location H833-WB 28

Samplers Used P. Howard / G. Rowell

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Partly cloudy $\approx$ 80°F, wind 10-20 mph

Soil/sediment sampling parameters:

Description of sample See boring log

Time of sample collection 1550 (3.25-5.25.) 1600 (8'-10')

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP- A27

Spoons or spatulas Spoons

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons ✓

Photograph frame numbers None

Signature (of field team personnel making data entry) _____

G. Rowell

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 4/24/96

Location H833-WB2501/H833-WB2502

Samplers Used SS split spoons and SS spoons

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather sunny, upper 60's, strong breeze (10-15 mph)

Soil/sediment sampling parameters: VOC 8020/GRO and PAH 8100/DRO

Description of sample fine to medium sand, light to dark brown

Time of sample collection 0820/0840

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas X

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons X

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

Randal J MacKay

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 4/24/96 Location H833-WB2601/H833-WB2602

Samplers Used SS split spoons and SS spoons

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather sunny, low 70's, strong breeze (10-15 mph)

Soil/sediment sampling parameters: VOC 8020/GRO and PAH 8100/DRD

Description of sample fine to medium sand, yellow-brown

Time of sample collection 1000/1005

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas X

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons X

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

Randal J. McKay

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 4/24/96

Location H833-WB2701/H833-WB2702

Samplers Used SS split spoons and SS spoons

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Sunny, low 80's, slight breeze

Soil/sediment sampling parameters: VOC 8020/GRO and PAH 8100/DRO

Description of sample fine to medium sand, v. dusky red/brown

Time of sample collection 1340/1355

Depth of water (for sediment sampling)

Decontamination (page number reference) CDAP A-27

Spoons or spatulas X

Trowel

Hand corer

Hand auger

Bowls

Split spoons X

Photograph frame numbers

Signature (of field team personnel making data entry)

Randal J. Mackay

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 4/25/96 Location H833-WB2801/H833-WB2802

Samplers Used SS split spoons and SS spoons

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Sunny, low 80's, 5-10 mph breeze

Soil/sediment sampling parameters: VOC 8020/GRO and PAH 8100/DRO

Description of sample fine to medium sand, light gray, some stiff clay in WB2802

Time of sample collection 1415/1435

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP A-27

Spoons or spatulas X

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons X

Photograph frame numbers _____

Signature (of field team personnel making data entry) _____

Randal J. Mackay

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 4-29-96

Location H833-WB 29

Samplers Used D. Humphris, G. Rowell

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Clear, $\approx 75^{\circ}\text{F}$, Wind ≈ 10 mph

Soil/sediment sampling parameters:

Description of sample See boring log

Time of sample collection 1510 (1.3'-3.3')

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP - A27

Spoons or spatulas Spoon

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons ✓

Photograph frame numbers None

Signature (of field team personnel making data entry) _____

G. Rowell

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 4-29-96 Location H833-WB 30

Samplers Used D. Humphris, G. Rowell

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Clear, =75°F, Wind = 10 mph

Soil/sediment sampling parameters:

Description of sample See boring log

Time of sample collection 1635 (5:3-7:3') 1645 (8-10')

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP. 127

Spoons or spatulas 5 spoons

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons ✓

Photograph frame numbers None

Signature (of field team personnel making data entry) _____

G. Rowell

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 4-29-96 Location H833- WB 31

Samplers Used D. Humphris, G. Rowell

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather Clear $\approx$ 75°F, Wind $\approx$ 10 mph

Soil/sediment sampling parameters:

Description of sample See boring log

Time of sample collection 1005 (3.5-5.5') 1030 (8-10')

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP- A27

Spoons or spatulas 3 spoon

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons ✓

Photograph frame numbers None

Signature (of field team personnel making data entry) _____

G. Rowell

FIELD LOGBOOK SOIL/SEDIMENT SAMPLING DATA

Date 4-29-96 Location H833 WB32

Samplers Used D. Humphris, G. Rowell

Drawing of sampling location (including location description as well as the presence of debris, surface sheens, recent excavations, vegetation, etc.)

Weather clear, $\approx 75^{\circ}\text{F}$, Wind $\approx 10\text{ mph}$

Soil/sediment sampling parameters:

Description of sample See boring log

Time of sample collection 1400 (5.4-7.4') 1415 (8'-10')

Depth of water (for sediment sampling) _____

Decontamination (page number reference) CDAP-A27

Spoons or spatulas Spoon

Trowel _____

Hand corer _____

Hand auger _____

Bowls _____

Split spoons ✓

Photograph frame numbers None

Signature (of field team personnel making data entry) _____

G. Rowell



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard
PROJECT NAME: Hunter AAF DAACG Investigation
Date sampled: 5/21/96 Time start 1440 End 1455

WELL ID: H833-mw1
LOCATION: West Ramp
Well secured upon arrival? ☒ N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft
2. Depth of water from T.O.C. 11.73 ft
3. Depth of well from T.O.C. 17.0 ft
4. Feet of standing water (h) 5.27 ft

1. Standing water (gal.) = 0.9
2. X 3 well volumes
3. = 2.7 gallons to purge
4. Purging Method Waterra

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(0.17 \text{ ft.})^2 + 4] (5.27 \text{ ft.}) \times 7.48 \text{ gal / ft.}^3 = \underline{0.9} \text{ gal}$$

	pH	Conductivity	Temperature, (F)
1. Well volume = <u>0.9</u> gal.	<u>5.05</u>	<u>25.6</u>	<u>81.2</u>
2. Well volume = <u>1.8</u> gal.	<u>5.04</u>	<u>25.0</u>	<u>80.5</u>
3. Well volume = <u>2.7</u> gal.	<u>5.05</u>	<u>25.7</u>	<u>80.5</u>
4. Well volume = _____ gal.	_____	_____	_____
5. Well volume = _____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailer

Field preservation - HCL - BTEX

Sample Description

Odor: slight odor

Color: light brown

Appearance: _____

Weather Conditions: partly sunny, temp 90°F, slight breeze

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: 2 ppm

COMMENTS:



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard

WELL ID: H833-mw2

PROJECT NAME: Hunter AAF DAG Investigation

LOCATION: West Ramp

Date sampled: 5/21/96 Time start 1425 End 1530

Well secured upon arrival? ☒ Y ☐ N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft

1. Standing water (gal.) = 1.1

2. Depth of water from T.O.C. 11.28 ft

2. X 3 well volumes

3. Depth of well from T.O.C. 17.6 ft

3. = 3.2 gallons to purge

4. Feet of standing water (h) 6.32 ft

4. Purging Method Waterwa

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4](h)$$

$$= 3.14 [(0.17 \text{ ft.})^2 + 4] (6.32 \text{ ft.}) \times 7.48 \text{ gal / ft.}^3 = 1.1 \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>1.1</u> gal.	<u>4.68</u>	<u>35.3</u>	<u>80.3</u>
2. Well volume =	<u>2.1</u> gal.	<u>4.71</u>	<u>34.6</u>	<u>79.7</u>
3. Well volume =	<u>3.2</u> gal.	<u>4.72</u>	<u>34.8</u>	<u>79.3</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailer

Field preservation - HCL- BTEX

Sample Description _____

Odor: slight odor

Color: light brown

Appearance: _____

Weather Conditions: sunny, temp 90°F, breezy

Air Monitoring Equipment used: OVA

Reading: Breathing zone: Ø ppm

In Well: 750 ppm

COMMENTS: _____



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard

WELL ID: H833-mw3

PROJECT NAME: Hunter AAF DAG Investigation

LOCATION: West Ramp

Date sampled: 5/23/96 Time start 0941 End 0955

Well secured upon arrival? Y/N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft

1. Standing water (gal.) = 1.0

2. Depth of water from T.O.C. 9.92 ft

2. X 3 well volumes

3. Depth of well from T.O.C. 16.0 ft

3. = 3.1 gallons to purge

4. Feet of standing water (h) 6.08 ft

4. Purging Method Watera

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(0.17 \text{ ft.})^2 + 4] (6.08 \text{ ft.}) \times 7.48 \text{ gal / ft.}^3 = 1.0 \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume = <u>1.0</u> gal.	<u>6.91</u>	<u>146.4</u>	<u>84.3</u>	
2. Well volume = <u>2.1</u> gal.	<u>6.94</u>	<u>151.2</u>	<u>82.7</u>	
3. Well volume = <u>3.1</u> gal.	<u>7.00</u>	<u>151.0</u>	<u>82.7</u>	
4. Well volume = _____ gal.	_____	_____	_____	
5. Well volume = _____ gal.	_____	_____	_____	

Ground water sample _____

Sampling method - Teflon Bailer

Field preservation - HCL - BTEX

Sample Description

Odor: slight petroleum

Color: light brown

Appearance: cloudy

Weather Conditions: sunny, humid, temp 85°F, slight breeze

Air Monitoring Equipment used: OVA

Reading: Breathing zone: Ø ppm

In Well: 80 ppm

COMMENTS:



**FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET**

SAMPLED BY: G. Rowell / D. Howard

WELL ID: H833-mw4

PROJECT NAME: Hunter AAF DAG Investigation

LOCATION: West Ramp

Date sampled: 5/23/96 Time start 0828 End 0840

Well secured upon arrival? ☒ Y / ☐ N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft

1. Standing water (gal.) = 0.9

2. Depth of water from T.O.C. 9.98 ft

2. X 3 well volumes

3. Depth of well from T.O.C. 15.0 ft

3. = 2.6 gallons to purge

4. Feet of standing water (h) 5.02 ft

4. Purging Method Watera

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(0.17 \text{ ft})^2 + 4] (5.02 \text{ ft}) \times 7.48 \text{ gal / ft}^3 = 0.9 \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>0.9</u> gal.	<u>5.53</u>	<u>67.8</u>	<u>81.7</u>
2. Well volume =	<u>1.7</u> gal.	<u>5.49</u>	<u>66.7</u>	<u>81.4</u>
3. Well volume =	<u>2.6</u> gal.	<u>5.50</u>	<u>66.5</u>	<u>81.7</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailer

Field preservation - HCL- BTEX

Sample Description

Odor: None

Color: brown

Appearance: cloudy

Weather Conditions: sunny, humid, temp 80°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: 0 ppm

COMMENTS:



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard
PROJECT NAME: Hunter AAF DAG Investigation
Date sampled: 5/23/96 Time start 0755 End 0805

WELL ID: H833-mw5
LOCATION: West Ramp
Well secured upon arrival? ☒ Y / ☐ N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft
2. Depth of water from T.O.C. 10.15 ft
3. Depth of well from T.O.C. 16.5 ft
4. Feet of standing water (h) 6.35 ft

1. Standing water (gal.) = 1.1
2. X 3 well volumes
3. = 3.2 gallons to purge
4. Purging Method Waterra

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(0.17 \text{ ft.})^2 + 4] (6.35 \text{ ft.}) \times 7.48 \text{ gal / ft.}^3 = 1.1 \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>1.1</u> gal.	<u>5.52</u>	<u>83.6</u>	<u>79.1</u>
2. Well volume =	<u>2.2</u> gal.	<u>5.43</u>	<u>80.4</u>	<u>79.2</u>
3. Well volume =	<u>3.2</u> gal.	<u>5.42</u>	<u>79.9</u>	<u>79.3</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____
Ground water sample	_____	_____	_____	_____
Sampling method -	<u>Teflon Bailer</u>	Field preservation - <u>HCL- BTEX</u>		

Sample Description

Odor: very strong petroleum odor

Color: brown

Appearance: cloudy

Weather Conditions: partly sunny, humid, temp 75°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: Ø ppm

In Well: > 1000 ppm

COMMENTS:



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard

WELL ID: H833- mw6

PROJECT NAME: Hunter AAF DAG Investigation

LOCATION: West Ramp

Date sampled: 5/23/96 Time start 0812 End 0820

Well secured upon arrival? (Y) N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft

1. Standing water (gal.) = 1.1

2. Depth of water from T.O.C. 9.80 ft

2. X 3 well volumes

3. Depth of well from T.O.C. 16.0 ft

3. = 3.2 gallons to purge

4. Feet of standing water (h) 6.2 ft

4. Purging Method Watera

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4](h)$$

$$= 3.14 [(0.17 \text{ ft.})^2 + 4] (6.2 \text{ ft.}) \times 7.48 \text{ gal / ft.}^3 = 1.1 \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>1.1</u> gal.	<u>5.57</u>	<u>81.0</u>	<u>80.8</u>
2. Well volume =	<u>2.1</u> gal.	<u>5.57</u>	<u>81.2</u>	<u>80.6</u>
3. Well volume =	<u>3.2</u> gal.	<u>5.59</u>	<u>81.2</u>	<u>80.6</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailor Field preservation - HCL- BTEX

Sample Description _____

Odor: petroleum odor

Color: brown

Appearance: cloudy

Weather Conditions: partly sunny, humid, temp 80°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: > 1000

COMMENTS: _____



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard

WELL ID: H833-mw7

PROJECT NAME: Hunter AAF DAG Investigation

LOCATION: West Ramp

Date sampled: 5/22/96 Time start 1507 End 1520

Well secured upon arrival? Y/N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft

1. Standing water (gal.) = 0.9

2. Depth of water from T.O.C. 10.34 ft

2. X 3 well volumes

3. Depth of well from T.O.C. 15.8 ft

3. = 2.8 gallons to purge

4. Feet of standing water (h) 5.46 ft

4. Purging Method Waterra

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(0.17 \text{ ft.})^2 + 4] (5.46 \text{ ft.}) \times 7.48 \text{ gal / ft.}^3 = 0.9 \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>0.9</u> gal.	<u>4.99</u>	<u>21.4</u>	<u>80.5</u>
2. Well volume =	<u>1.9</u> gal.	<u>4.20</u>	<u>31.1</u>	<u>78.4</u>
3. Well volume =	<u>2.8</u> gal.	<u>4.33</u>	<u>30.9</u>	<u>78.4</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailer

Field preservation - HCL - BTEX

Sample Description _____

Odor: None

Color: light brown

Appearance: _____

Weather Conditions: sunny, slight breeze, temp 85°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: 6 ppm

COMMENTS: _____



**FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET**

SAMPLED BY: G. Rowell / D. Howard

WELL ID: H833-mw8

PROJECT NAME: Hunter AAF DAG Investigation

LOCATION: West Ramp

Date sampled: 5/21/96 Time start 1405 End 1510

Well secured upon arrival? (Y)N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft

1. Standing water (gal.) = 1.1

2. Depth of water from T.O.C. 10.50 ft

2. X 3 well volumes

3. Depth of well from T.O.C. 17.0 ft

3. = 3.3 gallons to purge

4. Feet of standing water (h) 6.5 ft

4. Purging Method Waterra

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(0.17 \text{ ft.})^2 + 4] (6.5 \text{ ft.}) \times 7.48 \text{ gal / ft.}^3 = \underline{1.1} \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>1.1</u> gal.	<u>4.98</u>	<u>28.4</u>	<u>81</u>
2. Well volume =	<u>2.2</u> gal.	<u>4.78</u>	<u>29.5</u>	<u>80</u>
3. Well volume =	<u>3.3</u> gal.	<u>4.97</u>	<u>28.7</u>	<u>80</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailer

Field preservation - HCL - BTEX

Sample Description _____

Odor: slight odor

Color: light brown

Appearance: _____

Weather Conditions: sunny to partly sunny, temp 90°F, breezy

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: >1000 ppm

COMMENTS: Collected split for COE



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard
PROJECT NAME: Hunter AAF DAG Investigation
Date sampled: 5/23/96 Time start 0921 End 0930

WELL ID: H833-mw9
LOCATION: West Ramp
Well secured upon arrival? ☒ Y ☐ N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft
2. Depth of water from T.O.C. 9.32 ft
3. Depth of well from T.O.C. 16.0 ft
4. Feet of standing water (h) 6.68 ft

1. Standing water (gal.) = 1.1
2. X 3 well volumes
3. = 3.4 gallons to purge
4. Purging Method Watertra

CALCULATION:
Standing water volume

$$= \pi [(d)^2 + 4](h)$$

$$= 3.14 [(0.17 \text{ ft.})^2 + 4] (6.68 \text{ ft.}) \times 7.48 \text{ gal / ft.}^3 = 1.1 \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>1.1</u> gal.	<u>6.35</u>	<u>96.3</u>	<u>85.2</u>
2. Well volume =	<u>2.3</u> gal.	<u>6.31</u>	<u>98.7</u>	<u>85.1</u>
3. Well volume =	<u>3.4</u> gal.	<u>6.26</u>	<u>98.9</u>	<u>84.2</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailer

Field preservation - HCL - BTEX

Sample Description _____

Odor: None

Color: light brown

Appearance: cloudy

Weather Conditions: sunny, humid, temp 80-85°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: 0 ppm

COMMENTS: Collected Duplicate sample H833-mw^{OH} GW0902



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard

WELL ID: H833-mw 10

PROJECT NAME: Hunter AAF DAG Investigation

LOCATION: West Ramp

Date sampled: 5/23/96 Time start 0845 End 0855

Well secured upon arrival? ☒ Y / ☐ N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft

1. Standing water (gal.) = 1.1

2. Depth of water from T.O.C. 9.36 ft

2. X 3 well volumes

3. Depth of well from T.O.C. 16.0 ft

3. = 3.4 gallons to purge

4. Feet of standing water (h) 6.64 ft

4. Purging Method Waterra

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(0.17 \text{ ft})^2 + 4] (6.64 \text{ ft}) \times 7.48 \text{ gal / ft}^3 = 1.1 \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>1.1</u> gal.	<u>6.67</u>	<u>604</u>	<u>82.2</u>
2. Well volume =	<u>2.3</u> gal.	<u>6.82</u>	<u>609</u>	<u>82.3</u>
3. Well volume =	<u>3.4</u> gal.	<u>6.91</u>	<u>614</u>	<u>82.5</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailer

Field preservation - HCL - BTEX

Sample Description

Odor: slight

Color: Fast brown

Appearance: cloudy

Weather Conditions: sunny, humid, temp 80°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: 3 ppm

COMMENTS:



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard
PROJECT NAME: Hunter AAF DAG Investigation
Date sampled: 5/22/96 Time start 1747 End 1755

WELL ID: H833-mw 11
LOCATION: West Ramp
Well secured upon arrival? ☒ N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft
2. Depth of water from T.O.C. 10.00 ft
3. Depth of well from T.O.C. 16.6 ft
4. Feet of standing water (h) 6.6 ft

1. Standing water (gal.) = 1.1
2. X 3 well volumes
3. = 3.4 gallons to purge
4. Purging Method Waterra

CALCULATION:
Standing water volume

$$= \pi [(d)^2 + 4] (h)$$
$$= 3.14 [(0.17 \text{ ft.})^2 + 4] (6.6 \text{ ft.}) \times 7.48 \text{ gal / ft.}^3 = 1.1 \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>1.1</u> gal.	<u>5.72</u>	<u>37.7</u>	<u>84.3</u>
2. Well volume =	<u>2.2</u> gal.	<u>5.62</u>	<u>38.4</u>	<u>84.4</u>
3. Well volume =	<u>3.4</u> gal.	<u>5.61</u>	<u>37.5</u>	<u>84.1</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailer

Field preservation - HCL - BTEX

Sample Description _____

Odor: Petroleum odor

Color: light brown

Appearance: cloudy

Weather Conditions: partly sunny, slight breeze, temp 80-85°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: >1000 ppm

COMMENTS: _____



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard

WELL ID: H833-mw12

PROJECT NAME: Hunter AAF DAG Investigation

LOCATION: West Ramp

Date sampled: 5/22/96 Time start 1820 End 1835

Well secured upon arrival? ☒ Y ☐ N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft

1. Standing water (gal.) = 0.9

2. Depth of water from T.O.C. 10.10 ft

2. X 3 well volumes

3. Depth of well from T.O.C. 15.6 ft

3. = 2.8 gallons to purge

4. Feet of standing water (h) 5.5 ft

4. Purging Method Watertra

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(0.17 \text{ ft})^2 + 4] (5.5 \text{ ft}) \times 7.48 \text{ gal / ft}^3 = 0.9 \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume = <u>0.9</u> gal.	<u>5.53</u>	<u>55.1</u>	<u>82.9</u>	
2. Well volume = <u>1.9</u> gal.	<u>5.49</u>	<u>46.2</u>	<u>83</u>	
3. Well volume = <u>2.8</u> gal.	<u>5.54</u>	<u>43.3</u>	<u>83.3</u>	
4. Well volume = _____ gal.	_____	_____	_____	
5. Well volume = _____ gal.	_____	_____	_____	

Ground water sample _____

Sampling method - Teflon Bailer

Field preservation - HCL- BTEX

Sample Description

Odor: Petroleum odor

Color: light brown

Appearance: cloudy

Weather Conditions: partly cloudy, slight breeze, temp 80°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: >1000 ppm

COMMENTS:



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard
PROJECT NAME: Hunter AAF DAG Investigation
Date sampled: 5/23/96 Time start 1007 End 1015

WELL ID: H833-mw 13
LOCATION: West Ramp
Well secured upon arrival? ☒ Y ☐ N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft
2. Depth of water from T.O.C. 9.79 ft
3. Depth of well from T.O.C. 15.0 ft
4. Feet of standing water (h) 5.21 ft

1. Standing water (gal.) = 0.9
2. X 3 well volumes
3. = 2.7 gallons to purge
4. Purging Method Waterra

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4](h)$$

$$= 3.14 [(0.17 \text{ ft.})^2 + 4] (5.21 \text{ ft.}) \times 7.48 \text{ gal / ft.}^3 = \underline{0.9} \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>0.9</u> gal.	<u>6.79</u>	<u>96.7</u>	<u>85.8</u>
2. Well volume =	<u>1.8</u> gal.	<u>6.56</u>	<u>92.8</u>	<u>86.3</u>
3. Well volume =	<u>2.7</u> gal.	<u>6.53</u>	<u>92.1</u>	<u>86.5</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailor

Field preservation - HCL - BTEX

Sample Description

Odor: slight petroleum odor

Color: light brown

Appearance: cloudy discolored

Weather Conditions: sunny, slight breeze, temp 85°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: > 1000 ppm

COMMENTS: _____



FIELD LOG BOOK SAMPLING DATA: GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard

WELL ID: H833-mw 14

PROJECT NAME: Hunter AAF DAG Investigation

LOCATION: West Ramp

Date sampled: 5/23/96 Time start 0904 End 0915

Well secured upon arrival? ☒ N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft

1. Standing water (gal.) = 1.1

2. Depth of water from T.O.C. 8.28 ft

2. X 3 well volumes

3. Depth of well from T.O.C. 15.0 ft

3. = 3.4 gallons to purge

4. Feet of standing water (h) 6.72 ft

4. Purging Method Watera

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4](h)$$

$$= 3.14 [(0.17 \text{ ft})^2 + 4] (6.72 \text{ ft}) \times 7.48 \text{ gal / ft}^3 = 1.1 \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume = <u>1.1</u> gal.	<u>6.44</u>	<u>780.180</u>	<u>83.9</u>	
2. Well volume = <u>2.3</u> gal.	<u>6.12</u>	<u>77.7</u>	<u>83.7</u>	
3. Well volume = <u>3.4</u> gal.	<u>6.09</u>	<u>74.9</u>	<u>83.8</u>	
4. Well volume = _____ gal.	_____	_____	_____	
5. Well volume = _____ gal.	_____	_____	_____	

Ground water sample _____

Sampling method - Teflon Bailer

Field preservation - HCL - BTEX

Sample Description

Odor: None

Color: brown

Appearance: cloudy

Weather Conditions: sunny, humid, temp 80°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: 0 ppm

COMMENTS:



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Powell / D. Howard

WELL ID: H833 - MW15

PROJECT NAME: Hunter AAF DAG Investigation

LOCATION: West Ramp

Date sampled: 5/22/96 Time start 1530 End 1545

Well secured upon arrival? ☒ Y / ☐ N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft

1. Standing water (gal.) = 1.1

2. Depth of water from T.O.C. 7.95 ft

2. X 3 well volumes

3. Depth of well from T.O.C. 14.7 ft

3. = 3.4 gallons to purge

4. Feet of standing water (h) 6.75 ft

4. Purging Method Watera

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(0.17 \text{ ft})^2 + 4] (6.75 \text{ ft}) \times 7.48 \text{ gal / ft}^3 = \underline{1.1} \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume = <u>1.1</u> gal.	<u>5.38</u>	<u>41.0</u>	<u>71.9</u>	
2. Well volume = <u>2.3</u> gal.	<u>5.19</u>	<u>51 41.8</u>	<u>71.1</u>	
3. Well volume = <u>3.4</u> gal.	<u>5.29</u>	<u>52.2</u>	<u>71.2</u>	
4. Well volume = _____ gal.	_____	_____	_____	
5. Well volume = _____ gal.	_____	_____	_____	

Ground water sample _____

Sampling method - Teflon Bailer

Field preservation - HCL - BTEX

Sample Description _____

Odor: None

Color: rust brown

Appearance: rusty ^{cloudy} cloudy, discolored

Weather Conditions: partly sunny, breezy, temp 85°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: 0 ppm

COMMENTS: _____



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard

WELL ID: H833 - mw 16

PROJECT NAME: Hunter AAF DAG Investigation

LOCATION: West Ramp

Date sampled: 5/22/96 Time start 1550 End 1600

Well secured upon arrival? ☒ N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft

1. Standing water (gal.) = 1.1

2. Depth of water from T.O.C. 8.19 ft

2. X 3 well volumes

3. Depth of well from T.O.C. 14.9 ft

3. = 3.4 gallons to purge

4. Feet of standing water (h) 6.71 ft

4. Purging Method Waterra

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(0.17 \text{ ft.})^2 + 4] (6.71 \text{ ft.}) \times 7.48 \text{ gal / ft.}^3 = \underline{1.1} \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>1.1</u> gal.	<u>5.90</u>	<u>95.2</u>	<u>84.9</u>
2. Well volume =	<u>2.3</u> gal.	<u>5.22</u>	<u>89.7</u>	<u>81.1</u>
3. Well volume =	<u>3.4</u> gal.	<u>5.09</u>	<u>88.3</u>	<u>79.2</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailer

Field preservation - HCL - BTEX

Sample Description _____

Odor: None

Color: Brown

Appearance: cloudy

Weather Conditions: Sunny, slight breeze, temp 85°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: 0 ppm

COMMENTS: _____



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard
PROJECT NAME: Hunter AAF DAG Investigation
Date sampled: 5/22/96 Time start 1800 End 1815

WELL ID: H833-mw17
LOCATION: West Ramp
Well secured upon arrival? ☒ Y ☐ N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft
2. Depth of water from T.O.C. 9.54 ft
3. Depth of well from T.O.C. 16.5 ft
4. Feet of standing water (h) 6.96 ft

1. Standing water (gal.) = 1.2
2. X 3 well volumes
3. = 3.5 gallons to purge
4. Purging Method Waterria

CALCULATION:
Standing water volume

$$= \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(0.17 \text{ ft.})^2 + 4] (6.96 \text{ ft.}) \times 7.48 \text{ gal / ft.}^3 = \underline{1.2} \text{ gal}$$

	pH	Conductivity	Temperature, (F)
1. Well volume = <u>1.2</u> gal.	<u>5.37</u>	<u>40.0</u>	<u>82.3</u>
2. Well volume = <u>2.4</u> gal.	<u>5.38</u>	<u>43.2</u>	<u>82.2</u>
3. Well volume = <u>3.5</u> gal.	<u>5.43</u>	<u>43.2</u>	<u>81.5</u>
4. Well volume = _____ gal.	_____	_____	_____
5. Well volume = _____ gal.	_____	_____	_____
Ground water sample _____	_____	_____	_____
Sampling method - <u>Teflon Bailer</u>	Field preservation - <u>HCL - BTEX</u>		

Sample Description _____

Odor: petroleum odor

Color: brown

Appearance: cloudy

Weather Conditions: partly cloudy, slight breeze, temp 80°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: >1000 ppm

COMMENTS: _____



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard

WELL ID: H833-mw18

PROJECT NAME: Hunter AAF DAG Investigation

LOCATION: West Ramp

Date sampled: 5/20³²/96 Time start 1725 End 1740
DH

Well secured upon arrival? ☒ Y ☐ N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft

1. Standing water (gal.) = 1.0

2. Depth of water from T.O.C. 10.48 ft

2. X 3 well volumes

3. Depth of well from T.O.C. 16.6 ft

3. = 3.1 gallons to purge

4. Feet of standing water (h) 6.12 ft

4. Purging Method Waterra

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4](h)$$

$$= 3.14 [(0.17 \text{ ft.})^2 + 4] (6.12 \text{ ft.}) \times 7.48 \text{ gal / ft.}^3 = 1.0 \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>1.0</u> gal.	<u>5.90</u>	<u>66.1</u>	<u>82.2</u>
2. Well volume =	<u>2.1</u> gal.	<u>5.88</u>	<u>64.0</u>	<u>81.2</u>
3. Well volume =	<u>3.1</u> gal.	<u>5.89</u>	<u>62.3</u>	<u>81.1</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailor

Field preservation - HCL - BTEX

Sample Description _____

Odor: slight

Color: light brown

Appearance: cloudy

Weather Conditions: Sunny, slight breeze, temp 80-85°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: 5 ppm

COMMENTS: _____



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard
PROJECT NAME: Hunter AAF DAG Investigation
Date sampled: 5/22/96 Time start 1707 End 1720

WELL ID: H833-mw 19
LOCATION: West Ramp
Well secured upon arrival? ☒ Y ☐ N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft
2. Depth of water from T.O.C. 9.18 ft
3. Depth of well from T.O.C. 16.0 ft
4. Feet of standing water (h) 6.82 ft

1. Standing water (gal.) = 1.2
2. X 3 well volumes
3. = 3.5 gallons to purge
4. Purging Method Waterfall

CALCULATION:
Standing water volume

$$= \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(0.17 \text{ ft.})^2 + 4] (6.82 \text{ ft.}) \times 7.48 \text{ gal / ft.}^3 = \underline{1.2} \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>1.2</u> gal.	<u>5.68</u>	<u>61.6</u>	<u>82.7</u>
2. Well volume =	<u>2.3</u> gal.	<u>5.61</u>	<u>61.5</u>	<u>82.2</u>
3. Well volume =	<u>3.5</u> gal.	<u>5.42</u>	<u>60.9</u>	<u>81.2</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailer

Field preservation - HCL - BTEX

Sample Description _____

Odor: Petroleum odor

Color: light

Appearance: cloudy

Weather Conditions: _____

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: 71000 ppm

COMMENTS: Collected COE split



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard

WELL ID: H833-mw20

PROJECT NAME: Hunter AAF DAG Investigation

LOCATION: West Ramp

Date sampled: 5/22/96 Time start 1610 End 1625

Well secured upon arrival? ☒ N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft

1. Standing water (gal.) = 1.2

2. Depth of water from T.O.C. 9.77 ft

2. X 3 well volumes

3. Depth of well from T.O.C. 17.0 ft

3. = 3.7 gallons to purge

4. Feet of standing water (h) 7.23 ft

4. Purging Method Watera

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4](h)$$

$$= 3.14 [(0.17 \text{ ft.})^2 + 4] (7.23 \text{ ft.}) \times 7.48 \text{ gal / ft.}^3 = 1.2 \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>1.2</u> gal.	<u>5.57</u>	<u>76.1</u>	<u>80.6</u>
2. Well volume =	<u>2.5</u> gal.	<u>5.43</u>	<u>75.5</u>	<u>80.1</u>
3. Well volume =	<u>3.7</u> gal.	<u>5.39</u>	<u>76.5</u>	<u>80.1</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailer

Field preservation - HCL- BTEX

Sample Description

Odor: None

Color: brown

Appearance: cloudy

Weather Conditions: Sunny, slight breeze, temp 85°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: 0 ppm

COMMENTS:



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard
PROJECT NAME: Hunter AAF DAG Investigation
Date sampled: 5/23/96 Time start 1025 End 1035

WELL ID: H833-mw 21
LOCATION: West Ramp
Well secured upon arrival? Y/N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft
2. Depth of water from T.O.C. 9.72 ft
3. Depth of well from T.O.C. 16.0 ft
4. Feet of standing water (h) 6.28 ft

1. Standing water (gal.) = 1.1
2. X 3 well volumes
3. = 3.2 gallons to purge
4. Purging Method Watera

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(0.17 \text{ ft.})^2 + 4] (6.28 \text{ ft.}) \times 7.48 \text{ gal / ft.}^3 = 1.1 \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>1.1</u> gal.	<u>6.23</u>	<u>77.5</u>	<u>85.5</u>
2. Well volume =	<u>2.1</u> gal.	<u>6.12</u>	<u>75.4</u>	<u>84.5</u>
3. Well volume =	<u>3.2</u> gal.	<u>6.06</u>	<u>75.2</u>	<u>83.7</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailor

Field preservation - HCL - BTEX

Sample Description _____

Odor: None

Color: light brown

Appearance: discolored

Weather Conditions: sunny, slight breeze, temp 85°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: 0 ppm

COMMENTS: _____



FIELD LOG BOOK SAMPLING DATA: GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard

WELL ID: H833-mwzz

PROJECT NAME: Hunter AAF DAG Investigation

LOCATION: West Ramp

Date sampled: 5/22/96 Time start 1650 End 1700
OH

Well secured upon arrival? Q/N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft

1. Standing water (gal.) = 1.2

2. Depth of water from T.O.C. 8.74 ft

2. X 3 well volumes

3. Depth of well from T.O.C. 16.0 ft

3. = 3.7 gallons to purge

4. Feet of standing water (h) 7.26 ft

4. Purging Method Waterra

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(0.17 \text{ ft})^2 + 4] (7.26 \text{ ft}) \times 7.48 \text{ gal / ft}^3 = 1.2 \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>1.2</u> gal.	<u>5.80</u>	<u>94.8</u>	<u>83.8</u>
2. Well volume =	<u>2.5</u> gal.	<u>5.75</u>	<u>91.6</u>	<u>82.9</u>
3. Well volume =	<u>3.7</u> gal.	<u>5.74</u>	<u>89.0</u>	<u>82.8</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailer

Field preservation - HCL- BTEX

Sample Description

Odor: slight odor

Color: light brown

Appearance: cloudy

Weather Conditions: sunny, slight breeze, temp 85°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: 150 ppm

COMMENTS:



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard
PROJECT NAME: Hunter AAF DAG Investigation
Date sampled: 5/22/96 Time start 0932 End 0945

WELL ID: H833-mw 23
LOCATION: West Ramp
Well secured upon arrival? ☒ Y ☐ N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft
2. Depth of water from T.O.C. 7.49 ft
3. Depth of well from T.O.C. 15.0 ft
4. Feet of standing water (h) 7.51 ft

1. Standing water (gal.) = 1.3
2. X 3 well volumes
3. = 3.8 gallons to purge
4. Purging Method Waterra

CALCULATION:
Standing water volume

$$= \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(0.17 \text{ ft})^2 + 4] (7.51 \text{ ft}) \times 7.48 \text{ gal / ft}^3 = \underline{1.3} \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume = <u>1.3</u> gal.	<u>5.96</u>	<u>86.8</u>	<u>83.7</u>	
2. Well volume = <u>2.6</u> gal.	<u>5.95</u>	<u>86.9</u>	<u>83.6</u>	
3. Well volume = <u>3.8</u> gal.	<u>6.03</u>	<u>88.5</u>	<u>82.8</u>	
4. Well volume = _____ gal.	_____	_____	_____	
5. Well volume = _____ gal.	_____	_____	_____	

Ground water sample _____

Sampling method - Teflon Bailer

Field preservation - HCL - BTEX

Sample Description _____

Odor: None

Color: light brown

Appearance: cloudy

Weather Conditions: sunny, slight breeze, Temp 80-85°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: 0 ppm

COMMENTS: _____



**FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET**

SAMPLED BY: G. Rowell / D. Howard

WELL ID: H833-mw24

PROJECT NAME: Hunter AAF DAG Investigation

LOCATION: West Ramp

Date sampled: 5/22/96 Time start 1015 End 1030

Well secured upon arrival? ☒ Y ☐ N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft

1. Standing water (gal.) = 1.2

2. Depth of water from T.O.C. 8.16 ft

2. X 3 well volumes

3. Depth of well from T.O.C. 15.0 ft

3. = 3.5 gallons to purge

4. Feet of standing water (h) 6.84 ft

4. Purging Method Waterra

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(0.17 \text{ ft})^2 + 4] (6.84 \text{ ft}) \times 7.48 \text{ gal / ft}^3 = 1.2 \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>1.2</u> gal.	<u>5.90</u>	<u>77.4</u>	<u>83.8</u>
2. Well volume =	<u>2.3</u> gal.	<u>5.89</u>	<u>75.8</u>	<u>83.6</u>
3. Well volume =	<u>3.5</u> gal.	<u>5.91</u>	<u>75.0</u>	<u>83.4</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailer

Field preservation - HCL- BTEX

Sample Description _____

Odor: None

Color: light brown

Appearance: light^{off} cloudy

Weather Conditions: sunny, slight breeze, temp 85°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: 0 ppm

COMMENTS: _____



FIELD LOG BOOK SAMPLING DATA: GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard
PROJECT NAME: Hunter AAF DAG Investigation
Date sampled: 5/22/96 Time start 0915 End 0925

WELL ID: H833-mw 25
LOCATION: West Ramp
Well secured upon arrival? (Y) N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft
2. Depth of water from T.O.C. 7.94 ft
3. Depth of well from T.O.C. 14.8 ft
4. Feet of standing water (h) 6.86 ft

1. Standing water (gal.) = 1.2
2. X 3 well volumes
3. = 3.5 gallons to purge
4. Purging Method Watera

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4](h)$$

$$= 3.14 [(0.17 \text{ ft})^2 + 4] (6.86 \text{ ft}) \times 7.48 \text{ gal / ft}^3 = \underline{1.2} \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>1.2</u> gal.	<u>5.65</u>	<u>90.9</u>	<u>80.1</u>
2. Well volume =	<u>2.3</u> gal.	<u>5.71</u>	<u>89.8</u>	<u>80.9</u>
3. Well volume =	<u>3.5</u> gal.	<u>5.85</u>	<u>90.4</u>	<u>82.1</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailer

Field preservation - HCL - BTEX

Sample Description

Odor: None

Color: light brown

Appearance: cloudy

Weather Conditions: Sunny, slight breeze, temp 80°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: 2 ppm

COMMENTS:



FIELD LOG BOOK SAMPLING DATA: GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Powell / D. Howard

WELL ID: H833-mw26

PROJECT NAME: Hunter AAF DAG Investigation

LOCATION: West Ramp

Date sampled: 5/22/96 Time start 0845 End 0855

Well secured upon arrival? (X) N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft

1. Standing water (gal.) = 1.0

2. Depth of water from T.O.C. 8.66 ft

2. X 3 well volumes

3. Depth of well from T.O.C. 14.3 ft

3. = 2.9 gallons to purge

4. Feet of standing water (h) 5.64 ft

4. Purging Method Watera

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(0.17 \text{ ft})^2 + 4] (5.64 \text{ ft}) \times 7.48 \text{ gal / ft}^3 = \underline{1.0} \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>1.0</u> gal.	<u>5.75</u>	<u>84.5</u>	<u>76.4</u>
2. Well volume =	<u>1.9</u> gal.	<u>5.45</u>	<u>81.4</u>	<u>76.5</u>
3. Well volume =	<u>2.9</u> gal.	<u>5.40</u>	<u>80.9</u>	<u>76.4</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailer

Field preservation - HCL- BTEX

Sample Description _____

Odor: None

Color: lt. brown

Appearance: cloudy

Weather Conditions: Sunny, slight breeze, $\approx 85^\circ\text{F}$

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: 1 ppm

COMMENTS: _____



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Russell / D. Howard
PROJECT NAME: Hunter AAF DAG Investigation
Date sampled: 5/22/96 Time start 0955 End 1005

WELL ID: H833-mw27
LOCATION: West Ramp
Well secured upon arrival? Y/N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft
2. Depth of water from T.O.C. 7.88 ft
3. Depth of well from T.O.C. 14.5 ft
4. Feet of standing water (h) 6.62 ft

1. Standing water (gal.) = 1.1
2. X 3 well volumes
3. = 3.4 gallons to purge
4. Purging Method Waterra

CALCULATION:
Standing water volume

$$= \pi [(d)^2 + 4](h)$$

$$= 3.14 [(0.17 \text{ ft})^2 + 4] (6.62 \text{ ft}) \times 7.48 \text{ gal / ft}^3 = 1.1 \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>1.1</u> gal.	<u>6.27</u>	<u>77.7</u>	<u>84.1</u>
2. Well volume =	<u>2.2</u> gal.	<u>6.28</u>	<u>77.5</u>	<u>84.4</u>
3. Well volume =	<u>3.4</u> gal.	<u>6.27</u>	<u>78.2</u>	<u>84.5</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailer

Field preservation - HCL - BTEX

Sample Description _____

Odor: None

Color: light brown

Appearance: cloudy

Weather Conditions: sunny, slight breeze, temp 85°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: 1 ppm

COMMENTS: Collected duplicate sample H833-mw⁰⁴GW2702



**FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET**

SAMPLED BY: G. Rowell / D. Howard

WELL ID: H833-mw28

PROJECT NAME: Hunter AAF DAG Investigation

LOCATION: West Ramp

Date sampled: 5/23/96 Time start 1050 End 1102

Well secured upon arrival? ☒ Y ☐ N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft

1. Standing water (gal.) = 2.4

2. Depth of water from T.O.C. 10.15 ft

2. X 3 well volumes

3. Depth of well from T.O.C. 24.5 ft

3. = 7.3 gallons to purge

4. Feet of standing water (h) 14.4 ft

4. Purging Method Waterra

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4](h)$$

$$= 3.14 [(0.17 \text{ ft})^2 + 4] (14.4 \text{ ft}) \times 7.48 \text{ gal / ft}^3 = 2.4 \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>2.4</u> gal.	<u>6.10</u>	<u>49.1</u>	<u>83.7</u>
2. Well volume =	<u>4.9</u> gal.	<u>6.20</u>	<u>49.7</u>	<u>84.9</u>
3. Well volume =	<u>7.3</u> gal.	<u>6.12</u>	<u>50.3</u>	<u>84.8</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailor

Field preservation - HCL- BTEX

Sample Description _____

Odor: None

Color: light brown to gray

Appearance: cloudy to ^{pH} color discolored

Weather Conditions: ~~sunny~~ ^{pH}, partly cloudy, slight breeze, temp. 85°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: 4 ppm

COMMENTS: _____



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard
PROJECT NAME: Hunter AAF DAG Investigation
Date sampled: 5/22/96 Time start 0825 End 0835

WELL ID: H833-MW29
LOCATION: West Ramp
Well secured upon arrival? Y/N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft
2. Depth of water from T.O.C. 8.28 ft
3. Depth of well from T.O.C. 14.5 ft
4. Feet of standing water (h) 6.22 ft

1. Standing water (gal.) = 1.1
2. X 3 well volumes
3. = 3.2 gallons to purge
4. Purging Method Waterra

CALCULATION:
Standing water volume

$$= \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(0.17 \text{ ft.})^2 + 4] (6.22 \text{ ft.}) \times 7.48 \text{ gal / ft.}^3 = \underline{1.1} \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume = <u>1.1</u> gal.	<u>5.82</u>	<u>146.2</u>	<u>79.5</u>	
2. Well volume = <u>2.1</u> gal.	<u>5.85</u>	<u>156.2</u>	<u>78.2</u>	
3. Well volume = <u>3.2</u> gal.	<u>5.87</u>	<u>161.2</u>	<u>77.5</u>	
4. Well volume = _____ gal.	_____	_____	_____	
5. Well volume = _____ gal.	_____	_____	_____	

Ground water sample _____

Sampling method - Teflon Bailer

Field preservation - HCL - BTEX

Sample Description _____

Odor: None

Color: rust brown

Appearance: cloudy

Weather Conditions: sunny, slight breeze, Temp 75-80°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: 0 ppm

COMMENTS: _____



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard

WELL ID: H833-mw30

PROJECT NAME: Hunter AAF DAG Investigation

LOCATION: West Ramp

Date sampled: 5/22/96 Time start 0800 End 0815

Well secured upon arrival? ☒ Y ☐ N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft

1. Standing water (gal.) = 0.7

2. Depth of water from T.O.C. 8.50 ft

2. X 3 well volumes

3. Depth of well from T.O.C. 12.9 ft

3. = 2.2 gallons to purge

4. Feet of standing water (h) 4.4 ft

4. Purging Method Waterwa

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(0.17 \text{ ft.})^2 + 4] (4.4 \text{ ft.}) \times 7.48 \text{ gal / ft.}^3 = 0.7 \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>0.7</u> gal.	<u>5.74</u>	<u>119.6</u>	<u>77</u>
2. Well volume =	<u>1.5</u> gal.	<u>5.72</u>	<u>108.4</u>	<u>77.7</u>
3. Well volume =	<u>2.2</u> gal.	<u>5.76</u>	<u>114.7</u>	<u>78</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____
Ground water sample	_____	_____	_____	_____

Sampling method - Teflon Bailer

Field preservation - HCL - BTEX

Sample Description _____

Odor: sulfur odor

Color: rust brown

Appearance: cloudy

Weather Conditions: sunny, slight breeze Temp 75-80°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: 100 ppm

COMMENTS: _____



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard
PROJECT NAME: Hunter AAF DAG Investigation
Date sampled: 5/23/96 Time start 0725 End 0735

WELL ID: H 833 - Mw 31
LOCATION: West Ramp
Well secured upon arrival? Y/N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft
2. Depth of water from T.O.C. 7.71 ft
3. Depth of well from T.O.C. 14.0 ft
4. Feet of standing water (h) 6.29 ft

1. Standing water (gal.) = 1.1
2. X 3 well volumes
3. = 3.2 gallons to purge
4. Purging Method Waterva

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(0.17 \text{ ft.})^2 + 4] (6.29 \text{ ft.}) \times 7.48 \text{ gal / ft.}^3 = \underline{1.1} \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>1.1</u> gal.	<u>5.64</u>	<u>142.8</u>	<u>76.6</u>
2. Well volume =	<u>2.1</u> gal.	<u>5.72</u>	<u>153.3</u>	<u>76.5</u>
3. Well volume =	<u>3.2</u> gal.	<u>5.80</u>	<u>155.3</u>	<u>76.7</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailer

Field preservation - HCL - BTEX

Sample Description

Odor: petroleum odor

Color: brown

Appearance: cloudy

Weather Conditions: partly sunny, humid, temp 75°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: > 1000 ppm

COMMENTS: Collected COE split



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard

WELL ID: H833-mw 32

PROJECT NAME: Hunter AAF DAG Investigation

LOCATION: West Ramp

Date sampled: 5/22/96 Time start 1430 End 1450

Well secured upon arrival? ☒ N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft

1. Standing water (gal.) = 1.3

2. Depth of water from T.O.C. 6.99 ft

2. X 3 well volumes

3. Depth of well from T.O.C. 14.6 ft

3. = 3.9 gallons to purge

4. Feet of standing water (h) 7.61 ft

4. Purging Method Waterra

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(0.17 \text{ ft.})^2 + 4] (7.61 \text{ ft.}) \times 7.48 \text{ gal / ft.}^3 = \underline{1.3} \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>1.3</u> gal.	<u>5.63</u>	<u>84.6</u>	<u>80.7</u>
2. Well volume =	<u>2.6</u> gal.	<u>5.27</u>	<u>78.7</u>	<u>79.9</u>
3. Well volume =	<u>3.9</u> gal.	<u>5.25</u>	<u>77.3</u>	<u>79.5</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailer Field preservation - HCL- BTEX

Sample Description _____

Odor: Petroleum odor

Color: rust brown

Appearance: cloudy

Weather Conditions: Sunny, slight breeze, temp 90°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: >1000 ppm

COMMENTS: Collected duplicate sample H833-GW 3202



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard

WELL ID: HMW - 1

PROJECT NAME: Hunter AAF DAG Investigation

LOCATION: FTA

Date sampled: 5/21/96 Time start 1610 1550 915 End 1635

Well secured upon arrival? Y/N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft

1. Standing water (gal.) = 5.6

2. Depth of water from T.O.C. 15.29 ft

2. X 3 well volumes

3. Depth of well from T.O.C. 48.0 ft

3. = 16.7 gallons to purge

4. Feet of standing water (h) 32.71 ft

4. Purging Method Watera

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(0.17 \text{ ft})^2 + 4] (32.71 \text{ ft}) \times 7.48 \text{ gal / ft}^3 = 5.6 \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>5.6</u> gal.	<u>5.66</u>	<u>99.1</u>	<u>78.2</u>
2. Well volume =	<u>11.1</u> gal.	<u>5.71</u>	<u>113.1</u>	<u>77.5</u>
3. Well volume =	<u>16.7</u> gal.	<u>5.72</u>	<u>103.4</u>	<u>76.7</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailor Field preservation - HCL - BTEX

Sample Description _____

Odor: None

Color: light gray

Appearance: clear

Weather Conditions: partly sunny, slight breeze, temp 90°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: 3 ppm

COMMENTS: MS / MSD collected also



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard

WELL ID: HMW-2

PROJECT NAME: Hunter AAF DAG Investigation

LOCATION: FTA

Date sampled: 5/21/96 Time start 1550 End 1600

Well secured upon arrival? ☒ Y / ☐ N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft

1. Standing water (gal.) = 0.1

2. Depth of water from T.O.C. 13.90 ft

2. X 3 well volumes

3. Depth of well from T.O.C. 14.6 ft

3. = 0.4 gallons to purge

4. Feet of standing water (h) 0.7 ft

4. Purging Method Waterwa

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(0.17 \text{ ft.})^2 + 4] (0.7 \text{ ft.}) \times 7.48 \text{ gal / ft.}^3 = 0.1 \text{ gal}$$

1. Well volume = 0.1 gal.

^{pH}
5.474

Conductivity

34.4

Temperature, (F)

81.5

2. Well volume = 0.2 gal.

4.51

33.8

79.6

3. Well volume = 0.4 gal.

4.41

32.5

77.7

4. Well volume = _____ gal.

5. Well volume = _____ gal.

Ground water sample _____

Sampling method - Teflon Bailor

Field preservation - HCL - BTEX

Sample Description _____

Odor: None

Color: light brown

Appearance: clear

Weather Conditions: partly sunny, temp 90°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: 0 ppm

COMMENTS: _____



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Russell / D. Howard
PROJECT NAME: Hunter AAF DAG Investigation
Date sampled: 5/22/96 Time start 1135 End 1150

WELL ID: HMW-3
LOCATION: FTA
Well secured upon arrival? Y/N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft
2. Depth of water from T.O.C. 9.48 ft
3. Depth of well from T.O.C. 49.0 ft
4. Feet of standing water (h) 39.52 ft

1. Standing water (gal.) = 6.7
2. X 3 well volumes
3. = 20.1 gallons to purge
4. Purging Method Waterfall

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4](h)$$

$$= 3.14 [(0.17 \text{ ft})^2 + 4] (39.52 \text{ ft}) \times 7.48 \text{ gal / ft}^3 = \underline{6.7} \text{ gal}$$

	pH	Conductivity	Temperature, (F)
1. Well volume = <u>6.7</u> gal.	<u>6.12</u>	<u>82.8</u>	<u>73.9</u>
2. Well volume = <u>13.4</u> gal.	<u>5.56</u>	<u>81.3</u>	<u>72.5</u>
3. Well volume = <u>20.1</u> gal.	<u>5.64</u>	<u>80.3</u>	<u>72.2</u>
4. Well volume = _____ gal.	_____	_____	_____
5. Well volume = _____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailor

Field preservation - HCL - BTEX

Sample Description

Odor: None

Color: clear

Appearance: clear

Weather Conditions: Sunny, slight breeze, temp 90°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: 0 ppm

COMMENTS: COE split collected also



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard

WELL ID: HMW-4

PROJECT NAME: Hunter AAF DAG Investigation

LOCATION: FTA

Date sampled: 5/22/96 Time start 1210 End 1220

Well secured upon arrival? ☒ Y ☐ N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft

1. Standing water (gal.) = 0.7

2. Depth of water from T.O.C. 8.93 ft

2. X 3 well volumes

3. Depth of well from T.O.C. 13.0 ft

3. = 2.1 gallons to purge

4. Feet of standing water (h) 4.07 ft

4. Purging Method Waterwa

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4](h)$$

$$= 3.14 [(0.17 \text{ ft.})^2 + 4] (4.07 \text{ ft.}) \times 7.48 \text{ gal / ft.}^3 = 0.7 \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>0.7</u> gal.	<u>6.28</u>	<u>3847.3</u>	<u>73.7</u>
2. Well volume =	<u>1.4</u> gal.	<u>6.56</u>	<u>312</u>	<u>71.6</u>
3. Well volume =	<u>2.1</u> gal.	<u>6.57</u>	<u>356</u>	<u>71.4</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailor

Field preservation - HCL - BTEX

Sample Description _____

Odor: None

Color: light brown

Appearance: cloudy

Weather Conditions: sunny, slight breeze, temp 80°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: 0 ppm

COMMENTS: Collected dup. FTA - MW 0402



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard
PROJECT NAME: Hunter AAF DAG Investigation
Date sampled: 5/21/96 Time start 1735 End 180

WELL ID: HMW-5
LOCATION: FTA
Well secured upon arrival? ☒ N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft
2. Depth of water from T.O.C. 9.60 ft
3. Depth of well from T.O.C. 49.0 ft
4. Feet of standing water (h) 39.40 ft

1. Standing water (gal.) = 6.7
2. X 3 well volumes
3. = 20.1 gallons to purge
4. Purging Method Watera

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(0.17 \text{ ft.})^2 + 4] (39.40 \text{ ft.}) \times 7.48 \text{ gal / ft.}^3 = \underline{6.7} \text{ gal}$$

	pH	Conductivity	Temperature, (F)
1. Well volume = <u>6.7</u> gal.	<u>6.05</u>	<u>104.4</u>	<u>75.8</u>
2. Well volume = <u>13.4</u> gal.	<u>5.43</u>	<u>96.9</u>	<u>74.4</u>
3. Well volume = <u>20.1</u> gal.	<u>5.42</u>	<u>96.5</u>	<u>74.3</u>
4. Well volume = _____ gal.	_____	_____	_____
5. Well volume = _____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailor

Field preservation - HCL - BTEX

Sample Description

Odor: Petroleum odor

Color: light gray

Appearance: cloudy

Weather Conditions: sunny, slight breeze, temp 85°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: 0 ppm

COMMENTS: Collected duplicate H833-GW0502

D-1



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard

WELL ID: HMW-6

PROJECT NAME: Hunter AAF DAG Investigation

LOCATION: FTA

Date sampled: 5/21/96 Time start 1710 End 1725
D H

Well secured upon arrival? ☒ Y / ☐ N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft

1. Standing water (gal.) = 0.8

2. Depth of water from T.O.C. 8.29 ft

2. X 3 well volumes

3. Depth of well from T.O.C. 13.0 ft

3. = 2.4 gallons to purge

4. Feet of standing water (h) 4.71 ft

4. Purging Method Waterwa

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4](h)$$

$$= 3.14 [(0.17 \text{ ft.})^2 + 4] (4.71 \text{ ft.}) \times 7.48 \text{ gal / ft.}^3 = 0.8 \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>0.8</u> gal.	<u>6.10</u>	<u>484</u>	<u>73.7</u>
2. Well volume =	<u>1.6</u> gal.	<u>6.26</u>	<u>464</u>	<u>73.5</u>
3. Well volume =	<u>2.4</u> gal.	<u>6.17</u>	<u>429</u>	<u>72.1</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailer

Field preservation - HCL - BTEX

Sample Description _____

Odor: petroleum odor

Color: gray to black

Appearance: cloudy to clear

Weather Conditions: sunny, slight breeze, temp 85°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: 31000 ppm

COMMENTS: collected COE split



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard
PROJECT NAME: Hunter AAF DAG Investigation
Date sampled: 5/22/96 Time start 1116 End 1130

WELL ID: Hmw-8
LOCATION: FTA
Well secured upon arrival? ☒ N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft
2. Depth of water from T.O.C. 9.21 ft
3. Depth of well from T.O.C. 13.0 ft
4. Feet of standing water (h) 3.79 ft

1. Standing water (gal.) = 0.6
2. X 3 well volumes
3. = 1.9 gallons to purge
4. Purging Method Waterva

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(0.17 \text{ ft.})^2 + 4] (3.79 \text{ ft.}) \times 7.48 \text{ gal / ft.}^3 = 0.6 \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>0.6</u> gal.	<u>6.16</u>	<u>239</u>	<u>77.1</u>
2. Well volume =	<u>1.3</u> gal.	<u>5.97</u>	<u>243</u>	<u>73.3</u>
3. Well volume =	<u>1.9</u> gal.	<u>5.88</u>	<u>227</u>	<u>71.8</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailor

Field preservation - HCL - BTEX

Sample Description

Odor: None

Color: light brown

Appearance: cloudy

Weather Conditions: sunny, slight breeze, temp 90°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: 0 ppm

COMMENTS:



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard

WELL ID: HMW - 9

PROJECT NAME: Hunter AAF DAG Investigation

LOCATION: FTA

Date sampled: 5/22/96 Time start 1055 End 1110

Well secured upon arrival? ☒ Y / ☐ N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft

1. Standing water (gal.) = 0.6

2. Depth of water from T.O.C. 11.41 ft

2. X 3 well volumes

3. Depth of well from T.O.C. 15.0 ft

3. = 1.8 gallons to purge

4. Feet of standing water (h) 3.59 ft

4. Purging Method waterwa

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4](h)$$

$$= 3.14 [(0.17 \text{ ft.})^2 + 4] (3.59 \text{ ft.}) \times 7.48 \text{ gal / ft.}^3 = 0.6 \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>0.6</u> gal.	<u>5.80</u>	<u>436</u>	<u>81.477^{0H}.3</u>
2. Well volume =	<u>1.2</u> gal.	<u>6.22</u>	<u>402</u>	<u>76.1</u>
3. Well volume =	<u>1.8</u> gal.	<u>6.35</u>	<u>403</u>	<u>77.2</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailor

Field preservation - HCL - BTEX

Sample Description _____

Odor: slight petroleum

Color: very light brown

Appearance: clear to slight discolored

Weather Conditions: Sunny, slight breeze, temp 85-90°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: >1000 ppm

COMMENTS: _____



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard
PROJECT NAME: Hunter AAF DAG Investigation
Date sampled: 5/22/96 Time start 1234 End 1245

WELL ID: HMW-10
LOCATION: FTA
Well secured upon arrival? ☒ Y ☐ N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft
2. Depth of water from T.O.C. 8.83 ft
3. Depth of well from T.O.C. 15.71 ft
4. Feet of standing water (h) 6.88 ft

1. Standing water (gal.) = 1.2
2. X 3 well volumes
3. = 3.5 gallons to purge
4. Purging Method Waterbra

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(0.17 \text{ ft.})^2 + 4] (6.88 \text{ ft.}) \times 7.48 \text{ gal / ft.}^3 = \underline{1.2} \text{ gal}$$

	pH	Conductivity	Temperature, (F)
1. Well volume = <u>1.2</u> gal.	<u>5.60</u>	<u>26.8</u>	<u>74</u>
2. Well volume = <u>2.3</u> gal.	<u>5.89</u>	<u>23.0</u>	<u>73.1</u>
3. Well volume = <u>3.5</u> gal.	<u>5.79</u>	<u>22.4</u>	<u>72.5</u>
4. Well volume = _____ gal.	_____	_____	_____
5. Well volume = _____ gal.	_____	_____	_____
Ground water sample _____	_____	_____	_____
Sampling method - <u>Teflon Bailor</u>	_____	_____	_____
Field preservation - <u>HCL - BTEX</u>	_____	_____	_____

Sample Description

Odor: Petrokum odor

Color: gray

Appearance: cloudy

Weather Conditions: sunny, slight breeze, Temp 90°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: 68 ppm

COMMENTS: _____



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard

WELL ID: HMW-11

PROJECT NAME: Hunter AAF DAG Investigation

LOCATION: FTA

Date sampled: 5/21/96 Time start 1810 End 1835

Well secured upon arrival? ☒ Y / ☐ N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft

1. Standing water (gal.) = 0.9

2. Depth of water from T.O.C. 12.56
~~12.43~~ ft

2. X 3 well volumes

3. Depth of well from T.O.C. 17.64 ft

3. = 2.6 gallons to purge

4. Feet of standing water (h) 5.08 ft

4. Purging Method Waterra

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(0.17 \text{ ft})^2 + 4] (5.08 \text{ ft}) \times 7.48 \text{ gal / ft}^3 = 0.9 \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>0.9</u> gal.	<u>5.94</u>	<u>240</u>	<u>75°F</u>
2. Well volume =	<u>1.8</u> gal.	<u>5.99</u>	<u>250</u>	<u>74.3</u>
3. Well volume =	<u>2.6</u> gal.	<u>5.84</u>	<u>242</u>	<u>72</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailor

Field preservation - HCL - BTEX

Sample Description _____

Odor: Petroleum^{DN} odor

Color: light brownish gray

Appearance: cloudy

Weather Conditions: partly sunny, slight breeze, temp 85°F

Air Monitoring Equipment used: OVA

Reading: Breathing zone: 0 ppm

In Well: 440 ppm

COMMENTS: _____



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / D. Howard
PROJECT NAME: Hunter AAF DAG Investigation
Date sampled: 5/21/96 Time start 1845 End 1855

WELL ID: HMW-12
LOCATION: FTA
Well secured upon arrival? ☒ Y / ☐ N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft
2. Depth of water from T.O.C. 13.43 ft
3. Depth of well from T.O.C. 18.11 ft
4. Feet of standing water (h) 4.68 ft

1. Standing water (gal.) = 0.8
2. X 3 well volumes
3. = 2.4 gallons to purge
4. Purging Method Waterva

CALCULATION:

Standing water volume

$$= \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(0.17 \text{ ft})^2 + 4] (4.68 \text{ ft}) \times 7.48 \text{ gal / ft}^3 = 0.8 \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>0.8</u> gal.	<u>4.37</u>	<u>88.9</u>	<u>69.8</u>
2. Well volume =	<u>1.6</u> gal.	<u>4.16</u>	<u>96.0</u>	<u>69.3</u>
3. Well volume =	<u>2.4</u> gal.	<u>4.24</u>	<u>93.1</u>	<u>69.3</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailor

Field preservation - HCL - BTEX

Sample Description _____

Odor: None

Color: Brown

Appearance: Cloudy

Weather Conditions: sunny, slight breeze, Temp 85°F

Air Monitoring Equipment used: DVA

Reading: Breathing zone: 0 ppm

In Well: 0 ppm

COMMENTS: _____



FIELD LOG BOOK SAMPLING DATA:
GROUNDWATER MONITORING WELL WORK SHEET

SAMPLED BY: G. Rowell / P. Howard

WELL ID: HMW-13

PROJECT NAME: Hunter AAF DAG Investigation

LOCATION: FTA

Date sampled: 5/21/96 Time start 1910 End 1920

Well secured upon arrival? ☒ Y ☐ N

1. Casing Diameter (d) 2 inches + 12 = 0.17 ft

1. Standing water (gal.) = 1.0

2. Depth of water from T.O.C. 14.29 ft

2. X 3 well volumes

3. Depth of well from T.O.C. 20.21 ft

3. = 3.0 gallons to purge

4. Feet of standing water (h) 5.92 ft

4. Purging Method water

CALCULATION:

Standing water volume = $\pi [(d)^2 + 4](h)$

$$= 3.14 [(0.17 \text{ ft.})^2 + 4] (5.92 \text{ ft.}) \times 7.48 \text{ gal / ft.}^3 = 1.0 \text{ gal}$$

		pH	Conductivity	Temperature, (F)
1. Well volume =	<u>1.0</u> gal.	<u>5.73</u>	<u>342</u>	<u>70.8</u>
2. Well volume =	<u>2.0</u> gal.	<u>5.86</u>	<u>330</u>	<u>70.9</u>
3. Well volume =	<u>3.0</u> gal.	<u>5.94</u>	<u>296</u>	<u>70.7</u>
4. Well volume =	_____ gal.	_____	_____	_____
5. Well volume =	_____ gal.	_____	_____	_____

Ground water sample _____

Sampling method - Teflon Bailor

Field preservation - HCL-BTEX

Sample Description _____

Odor: slight odor

Color: light brown

Appearance: cloudy

Weather Conditions: partly sunny, slight breeze, temp 80°F

Air Monitoring Equipment used: DVA

Reading: Breathing zone: 0 ppm

In Well: >1000 ppm

COMMENTS: _____

APPENDIX D
GEOLOGIC LOGS

DRILLING AND SOIL SAMPLING PROCEDURES

All borings were performed using a 6.25- inch I.D. hollow stem auger (HSA) column advanced by a powered drill rig. Drilling began at the surface and continued with the addition of 5-foot auger sections. Split spoon samples were collected from each boring. Borings that were completed with monitoring wells were sampled continuously to 6 feet BLS and at 5-foot intervals thereafter. Soil borings not completed as monitoring wells were sampled at the surface (0-2 feet) or within 1.0 foot of the base of any pavement and at 5-foot intervals. Soil samples were taken through the HSA in advance of the auger bit to the desired depth. The 32 well borings were drilled to a depth such that 5-7 feet of water would collect in the well. The remaining 50 borings were drilled to the water table, with the exception of 10 that were drilled to 20 feet to determine soil quality below the water table.

Split spoon sampling was conducted in accordance with ASTM D1586 "Method for Penetration Test, and Split Barrel Sampling of Soils." Soil samples were collected for lithologic description and chemical analysis. Samples for the physical analysis of grain size, Atterberg limits, and moisture content (ASTM C117 and 136, ASTM D4318, and ASTM D2216, respectively), were retained from each well boring. At the end of the drilling operation, one sample from each well boring was selected for geotechnical analysis.

All soil samples were screened for volatile organics with an organic vapor analyzer (OVA). The two samples from each boring with the highest OVA readings were selected for laboratory analysis. Samples selected for laboratory analysis were refrigerated on ice, and delivered to the laboratory for BTEX analysis via EPA Method 8020, PAH analysis via EPA Method 8100, and TPH analysis via EPA Method 8015 DRO and GRO.

All borings not completed as a monitoring well were abandoned by pouring a bentonite/grout slurry to the bottom of the hole. Grout was poured until it flowed at ground surface.

Hole No. H833-SB1

DRILLING LOG		DIVISION <u>SAV</u>	INSTALLATION <u>HAAF</u>	SHEET 1 OF 1 SHEETS
1. PROJECT <u>Hunter II</u>		10. SIZE AND TYPE OF BIT <u>3 1/4" ID HSA</u>		
2. LOCATION (Coordinates or Station) <u>SAV GA</u>		11. DATUM FOR ELEVATION SHOWN (TBM or MSL) <u>MSL</u>		
3. DRILLING AGENCY <u>PSI</u>		12. MANUFACTURER'S DESIGNATION OF DRILL <u>Diedrich D120</u>		
4. HOLE NO. (As shown on drawing title and file number) <u>H833-SB1</u>		13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN		DISTURBED <u>5</u>
5. NAME OF DRILLER <u>Rob Shuey</u>		14. TOTAL NUMBER CORE BOXES		UNDISTURBED <u>—</u>
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.		15. ELEVATION GROUND WATER <u>—</u>		
7. THICKNESS OF OVERBURDEN <u>11.3'</u>		16. DATE HOLE STARTED <u>2/27/96</u> COMPLETED <u>2/27/96</u>		
8. DEPTH DRILLED INTO ROCK <u>0</u>		17. ELEVATION TOP OF HOLE <u>37.0'</u>		
9. TOTAL DEPTH OF HOLE <u>11.3'</u>		18. TOTAL CORE RECOVERY FOR BORING _____ %		
		19. SIGNATURE OF INSPECTOR <u>D. Humphreys</u>		

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV- ERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			Concrete 15' (1.3')	—	—	Blows OVA, ppm
	2		SAND: Lt yellow Br 10YR 6/4, med gr, well sorted, silt 5%, loose, dry. (SW)	83	1	8-10-9-6 Lab 0 (7-10-1-8)
	4		as above, tr. glauconite (SW)	83	2	5-5-7-8 0
	6		as above, grading to white 10YR 8/6, dry (SW)	75	3	5-5-6-7 0.5
	8		as above, white	75	4	7-6-8-9 Lab 1.0 (8-8-11-12)
	10		as above, wet	75	5	8-9-10-15 saturated wet sample 6
	12		E.O.B. @ 11.3'			
						(Blows) in offset hole 3/5/96

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

DRILLING LOG		DIVISION COE-SAVANNAH		INSTALLATION HUNTER AAF		SHEET 1 OF 1 SHEETS	
1. PROJECT HUNTER AAF BLDG 833				10. SIZE AND TYPE OF BIT 3.25" ID HSA			
2. LOCATION (Coordinates or Station) JAV. GA				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL			
3. DRILLING AGENCY PSI				12. MANUFACTURER'S DESIGNATION OF DRILL DIEDRICH D120			
4. HOLE NO. (As shown on drawing title and file number) H833-SB02				13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN 6		DISTURBED UNDISTURBED	
5. NAME OF DRILLER TOM FINKENBINDER				14. TOTAL NUMBER CORE BOXES —			
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.				15. ELEVATION GROUND WATER —		16. DATE HOLE STARTED 2/27 COMPLETED 2/27	
7. THICKNESS OF OVERBURDEN —				17. ELEVATION TOP OF HOLE 37.5'			
8. DEPTH DRILLED INTO ROCK —				18. TOTAL CORE RECOVERY FOR BORING — %			
9. TOTAL DEPTH OF HOLE 20'				19. SIGNATURE OF INSPECTOR <i>Paul A. [Signature]</i>			
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g	
			15" CONCRETE		CORE		
	2		PINK YELLOW (2.547/3) SILTY SAND (SM) SILT 25-30% SAND: VF-FINE WELL SORTED, ROUND, TR. HEAVY MINERALS, DRY, MASSIVE	100 ppm	6-9-6-S	15"-39"	100% REC 1342
	4		AS ABOVE, COLOR TO YELLOW (10YR 7/6) SOME BANDING	0 ppm	7-12-7-12	39"-63"	100% REC 1350
	6	X	AS ABOVE IN CUTTINGS		AUGER		
	8		AS ABOVE TO 9.5'				
	10		WHITE (N8) SILTY SAND (SM) SILT 25-30% SAND: FINE WELL ROUNDED, TR. HEAVY MINERALS, MOIST, MASSIVE	9 ppm	12-7-13-18	100% REC 1400	0002 NOTED SHARP CONTACT @ 9.5'
	12		AS ABOVE, WET	100 ppm	11-13-10-52	GW AT 11' 2-10 ppm	0002 NOTED NON-SUSTAIN
	14	X	AS ABOVE	5 ppm	9-10-32-52	1420	100% REC 0002
	16	X			AUGER		
	18		AS ABOVE	1.5 ppm	15-50-2	1430	26% REC
	20					BT @ 20'	

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-SB3

DRILLING LOG		DIVISION SAV	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS
1. PROJECT Hunter II			10. SIZE AND TYPE OF BIT 3 1/4" ID HSA	
2. LOCATION (Coordinates or Station) SAV, 6A			11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL	
3. DRILLING AGENCY PSI			12. MANUFACTURER'S DESIGNATION OF DRILL Diedrich D120	
4. HOLE NO. (As shown on drawing title and file number) H833-SB3			13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN DISTURBED 5 UNDISTURBED —	
5. NAME OF DRILLER Rob Shroy			14. TOTAL NUMBER CORE BOXES —	
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.			15. ELEVATION GROUND WATER —	
7. THICKNESS OF OVERBURDEN 11.3'			16. DATE HOLE STARTED 2/27/96 COMPLETED 2/27/96	
8. DEPTH DRILLED INTO ROCK 0			17. ELEVATION TOP OF HOLE 37.8'	
9. TOTAL DEPTH OF HOLE 11.3'			18. TOTAL CORE RECOVERY FOR BORING — %	
			19. SIGNATURE OF INSPECTOR D. Humphreys	

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV- ERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
		Concrete	Concrete 1.3'	—	—	BLOWS OVA, ppm
	2		SAND: med-fine gr, dk Br 10YR 3/3 to black, Petrol odor, dry, loose-firm, well sorted, silty 5% (SW)	80	1	6-13-15-15 (6-11-13-12) 146 1000+ 0 in BZ
	4		as above, ash white top 6"			
	6		Black str Br 7.5YR 4/6, silty 10%, dry, loose, well sorted (SW/SM)	79	2	9-8-8-9 600
	8		SAND: med-fine, v. pale Br 10YR 7/3 to dk Br -3/3, dry-damp, well sorted, silty 10% loose. (SW/SM)	67	3	8-6-6-7 600
	10		as above, Yell Br 10YR 5/6 last 3" v. dk Br 10YR 2/2, str. Petrol. odor, dry, loose-firm, well sorted, silty 20% (SM)	83	4	5-5-12-12 (3-3-3-5) 146 1000+
	12		as above; Yell Br 10YR 5/6 to dk Yell Br. -3/6, damp-wet, firm-v. firm, silty 10%, well sorted (SM/SW)	96	5	13-17-20-30 initial wet sample 1000+ 0 in BZ
			E.O.B. @ 11.3'			
						BZ - breathing zone
						(blows) in offset hole 3/5/96

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833
SB04

DRILLING LOG		DIVISION COE - SAVANNAH		INSTALLATION HUNTER AAF		SHEET 1 OF 1 SHEETS	
1. PROJECT HUNTER AAF BLDG 833				10. SIZE AND TYPE OF BIT 3 25" ID HSA			
2. LOCATION (Coordinates or Station) SAV, GA				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL			
3. DRILLING AGENCY PSI				12. MANUFACTURER'S DESIGNATION OF DRILL DIEDRICH 120			
4. HOLE NO. (As shown on drawing title and file number) H833 SB04				13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN		DISTURBED 3 UNDISTURBED —	
5. NAME OF DRILLER TOM FINKENBINDER				14. TOTAL NUMBER CORE BOXES —			
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED — DEG. FROM VERT.				15. ELEVATION GROUND WATER —		16. DATE HOLE STARTED 2/27 COMPLETED 2/27	
7. THICKNESS OF OVERBURDEN 10'				17. ELEVATION TOP OF HOLE 37.9'			
8. DEPTH DRILLED INTO ROCK				18. TOTAL CORE RECOVERY FOR BORING — %			
9. TOTAL DEPTH OF HOLE 10'				19. SIGNATURE OF INSPECTOR <i>James C. [Signature]</i>			

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
	1		16" CONCRETE	100%	10VA	16" CONCRETE
	2		LT. BROWN-GRAY (2.5 Y 6/1) SILTY SAND (SM) SILT: 10-25% SAND: V. FINE-FINE, WELL SORTED, WELL ROUNDED, TR. HEAVY MINERALS DRY, MASSIVE	7-11-9-7	7 ppm	1500 100%
	3		AS ABOVE			
	4		AS ABOVE			
	5		DARK GRAY (10YR 4/1), SILTY SAND (SM) SILT (25%) SAND: V. FINE-FINE, WELL SORTED, WELL ROUNDED	6-12-23-19	1 ppm	1505 100% SHARP CONTACT
	6			AUGER		
	7				70 ppm	ODOR
	8		DARK RED GRAY (10R 3/1) SILTY SAND (SM) SILT: 30-40% SAND: V. FINE, WELL ROUNDED, MOIST, MASSIVE	30-38-35-50	50 ppm	1515 50 ppm ODOR
	9		AS ABOVE, V. MOIST-WET			
	10		AS ABOVE, V. MOIST-WET			
				44-50/5		ON AT 11' BT @ 10.5-11'

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H 833-SB 5

DRILLING LOG		DIVISION SAU		INSTALLATION HAAT		SHEET 1 OF 1 SHEETS	
1. PROJECT Hunter II				10. SIZE AND TYPE OF BIT 3 1/4" ID HSA			
2. LOCATION (Coordinates or Station) SAU. GA.				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL			
3. DRILLING AGENCY PSI				12. MANUFACTURER'S DESIGNATION OF DRILL Diedrich D120			
4. HOLE NO. (As shown on drawing title and file number) H 833-SB 5		13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN		DISTURBED 5		UNDISTURBED —	
5. NAME OF DRILLER Rob Shuey				14. TOTAL NUMBER CORE BOXES —			
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.				15. ELEVATION GROUND WATER —			
7. THICKNESS OF OVERBURDEN 11.3'				16. DATE HOLE STARTED 2/27/96 COMPLETED 2/27/96			
8. DEPTH DRILLED INTO ROCK 0				17. ELEVATION TOP OF HOLE 35.5'			
9. TOTAL DEPTH OF HOLE 11.3'				18. TOTAL CORE RECOVERY FOR BORING — %			
				19. SIGNATURE OF INSPECTOR D. Humphreys			
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g	
			Concrete 1.5' (1.3')	—		Blows OVA, ppm	
	2		SAND: med. fine gr, lt. tan Br 10YR 6/4 to v. pale Br - 8/3, dry, well sorted, tr. silt, tr. blk. specks, loose-firm (SW)	83	1	9-14-14-14 Lab 40 (10-12-13-14)	
	4		: AS above v. Pale Br/white - 8/1 (SW)	71	2	10-10-11-11 200	
	6		: AS above v. Pale Br to Pale Br - 6/3 (SW)	83	3	11-13-11-12 400	
	8		: AS above; Pale Yell 2.5Y 5/3 Petrol. odor., loose-firm (SW)	75	4	8-10-13-14 Lab 180 (7-10-12-9)	
	10		: AS above, Lt. olive Gray 5Y 6/2 damp to wet, loose-firm, petrol. odor, well sorted, tr. silt, tr. blk. specks (SW)	75	5	10-13-11-11 Initial wet sample 1000+	
	12		E.O.B. @ 11.3'				
	14						
	16					(Blows) in offset hole 3/5/96	

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

DRILLING LOG		DIVISION JAV		INSTALLATION HUNTER AAF		SHEET 1 OF 1 SHEETS	
1. PROJECT HUNTER BUILDING 833				10. SIZE AND TYPE OF BIT 3.25" ID			
2. LOCATION (Coordinates or Station) SAV GA				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL			
3. DRILLING AGENCY PSI				12. MANUFACTURER'S DESIGNATION OF DRILL DIEDRICH DIZO			
4. HOLE NO. (As shown on drawing title and file number) SB06 H833				13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN 5		DISTURBED 5	
5. NAME OF DRILLER TOM FINKENBINDER				14. TOTAL NUMBER CORE BOXES —		UNDISTURBED —	
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.				15. ELEVATION GROUND WATER —		16. DATE HOLE STARTED 2/27 COMPLETED 2/27	
7. THICKNESS OF OVERBURDEN —				17. ELEVATION TOP OF HOLE — 36.3'		18. TOTAL CORE RECOVERY FOR BORING — %	
8. DEPTH DRILLED INTO ROCK —				19. SIGNATURE OF INSPECTOR <i>James C. [Signature]</i>			
9. TOTAL DEPTH OF HOLE 20'							
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g	
			16" CONCRETE				
	2		LT. YELLOW-BROWN (2.5 YR 6/3) SILTY SAND (SM) SILT: 20-30% SAND: FINE, WELL SORTED, ROUNDED DRY, MASSIVE	5-12-13-12	40 ppm	1630 100%	
	4		DARK RED-BROWN (5YR 3/2) SILTY SAND (SM) SILT: 20-35% SAND: V.F. FINE, WELL ROUNDED, SILT SLT MUD, SOME VERMICIFORM STREAKS OF SLT HUNTER SAND	5-11-26-35	100 ppm	1635 100% CHANGE WT 4.5'	
	6				100 ppm	- 20 ppm in CUTTINGS	
	8		BROWN (2.5 YR 4/3) SILTY SAND (SM) SILT: 20-30% SAND: V.F. FINE, WELL SORTED & ROUNDED, TR. HEAVY MINERALS MOIST-WET, LAMINATED	8-8-8-13	1000 ppm	1645 100% 0002	
	10					GW AT 10'	
	12					- CLAY AT 12' GRAY, THICK	
	14		LT. GRAY (6Y 7/1) SILTY SAND (SM) SILT: 10-20% SAND: V. FINE, WELL ROUNDED & SORTED WET, HEAVY MINERAL LAMINAE (THIN)	12-17-15-50	6 ppm	1655 V. THIN BEDS 100%	
	16						
	18		OLIVE (5Y 3/3) SILTY SAND (SM) SILT: 15-25% SAND: V. FINE, WELL SORTED & ROUNDED WET, FEW LAMINAE (BEDS)	9-10-15-25	0 ppm	1705	
	20					BT @ 20'	

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-SB 97

DRILLING LOG		DIVISION SAV	INSTALLATION HAAR	SHEET, OF 1 SHEETS
1. PROJECT Hunter II		10. SIZE AND TYPE OF BIT 2" split spoon		
2. LOCATION (Coordinates or Station) SAV GA		11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL		
3. DRILLING AGENCY PSI		12. MANUFACTURER'S DESIGNATION OF DRILL Diedrich D120		
4. HOLE NO. (As shown on drawing title and file number) H833-SB 97		13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN		DISTURBED 3
5. NAME OF DRILLER Rob Shuay		14. TOTAL NUMBER CORE BOXES		UNDISTURBED —
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.		15. ELEVATION GROUND WATER —		
7. THICKNESS OF OVERBURDEN 9.5'		16. DATE HOLE STARTED 2/28/96 COMPLETED 2/28/96		
8. DEPTH DRILLED INTO ROCK 0		17. ELEVATION TOP OF HOLE 36.2'		
9. TOTAL DEPTH OF HOLE 9.5'		18. TOTAL CORE RECOVERY FOR BORING %		
19. SIGNATURE OF INSPECTOR J. Humphreys				

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV- ERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
	2	(-)(-)	CONCRETE 18" (1.5')	—	—	Blows OVA, ppm 0 in BZ
	2	(-)(-)	SAND. med-fine gr. 10/4/3 br, dry, silty 5%, well sorted. loose-firm (SW)	83	1	7-12-10-10 cab 20 ppm sample
	4	(-)(-)	10/4/4 lt yellow, as above tr. blk. specks, loose (SW)	83	2	5-5-6-7 20 in sample
	6	(-)(-)	Cuttings as above	—	—	↑ Auger ↓
	8	(-)(-)	As above. loose - v. firm dry-wet (SW)	80	3	6-10-17-30 ↑/ab 100+ initial wet sample BZ=0
	10	(-)(-)	E.O.B @ 9.5'			
	12					BZ - Breathing Zone
	14					

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).

Hole No. H833-SB8

DRILLING LOG		DIVISION SAV	INSTALLATION HAAF	SHEET 1 OF 1 SHEETS
1. PROJECT Hunter II		10. SIZE AND TYPE OF BIT 3 1/4" ID HSA		
2. LOCATION (Coordinates or Station) SAV GA		11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL		
3. DRILLING AGENCY PSI		12. MANUFACTURER'S DESIGNATION OF DRILL Diedrich D120		
4. HOLE NO. (As shown on drawing title and file number) H833-SB8		13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN	DISTURBED 5	UNDISTURBED —
5. NAME OF DRILLER Rob Shney		14. TOTAL NUMBER CORE BOXES —		
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.		15. ELEVATION GROUND WATER —		
7. THICKNESS OF OVERBURDEN 11.3'		16. DATE HOLE STARTED 2/27/96 COMPLETED 2/27/96		
8. DEPTH DRILLED INTO ROCK 0		17. ELEVATION TOP OF HOLE 35.4'		
9. TOTAL DEPTH OF HOLE 11.3'		18. TOTAL CORE RECOVERY FOR BORING — %		
19. SIGNATURE OF INSPECTOR D. Humphreys				

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
	1-1.1		CONCRETE 16" (1.3')	—	—	BLOWS OVA, ppm
	2		SAND: med-fine gr. Yell Br. 10YR 5/6, well sorted, silt 5%, loose-firm, dry, tr. glauconite (SW)	88	1	8-15-18-15 (8-15-18-18) 166 2 Ompc
	4		as above, grading to v. pale Br. -7/4 firm (SW)	79	2	15-15-14-12 0.5
	6		as above; v. pale Br. 10YR 8/4, loose, dry, well sorted, tr. glauconite. (SW)	88	3	9-8-9-10 0
	8		as above, loose-firm (SW)	88	4	10-10-11-14 (6-7-9-10) Lab 0.5
	10		as above, firm, wet (SW)	88	5	14-18-18-18 1.0 = initial wet sample
	12		E.O.B. @ 11.3'			(blows) 14 offset hole 3/5/96 BZ - Breathing Zone

Split-spoon samples for lithologic definition and/or chemical analysis were collected from 3 to 5 feet below ground surface (BGS) and every 5 feet or lithologic change thereafter (unless otherwise noted).