

APPENDIX E
SEDIMENT AND SURFACE WATER LOGS

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Appendix E Sediment and Surface Water Logs

Sampling Site number	Page Number
DA2-094	5
DA2-095	8
DA2-096	15
DA2-097	18
DA2-098	21
DA2-099	25
DA2-100	32
DA2-101	35
DA2-102	38
DA2-103	44

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TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Ravenna Demolition Area 2 Phase II RI DELIVERY ORDER NO: 0003

Date (mm/dd/yy): 7-10-02 Su M Tu W Th F Sa PAGE 1 OF 3

Task Team Members:

Susan McCluskey	Randy McKenney
Christy Estler	Paul Zinke
Low Kovack	E. Ann Mohr

Narrative (include time and location):

Sample collection time 0908, Collected by McCluskey + Estler
 Location = 50-75' north of Newton Falls
 Sample obtained from a tributary to sand creek
 north of Newton Falls Rd
 Sample collected from a depth of 0-6"
 VOC sample collected first, Cr⁶⁺ collected with plastic syringe.
 Sample is a light brown clay, ~10% silt, gray
 mottled, roots, no worms
 No water in this little tub/drainage detail
 Low used Schmidt hammer prior to sampling to check for
 any potential UXO/scraps. DA2-094-076950^{sh}
 Location marked with pin flag
 No IDW
 FINPEADIX - Background 1.58, reading 1.72

Daily Weather Conditions: A.M. 70°; Clear; low humidity

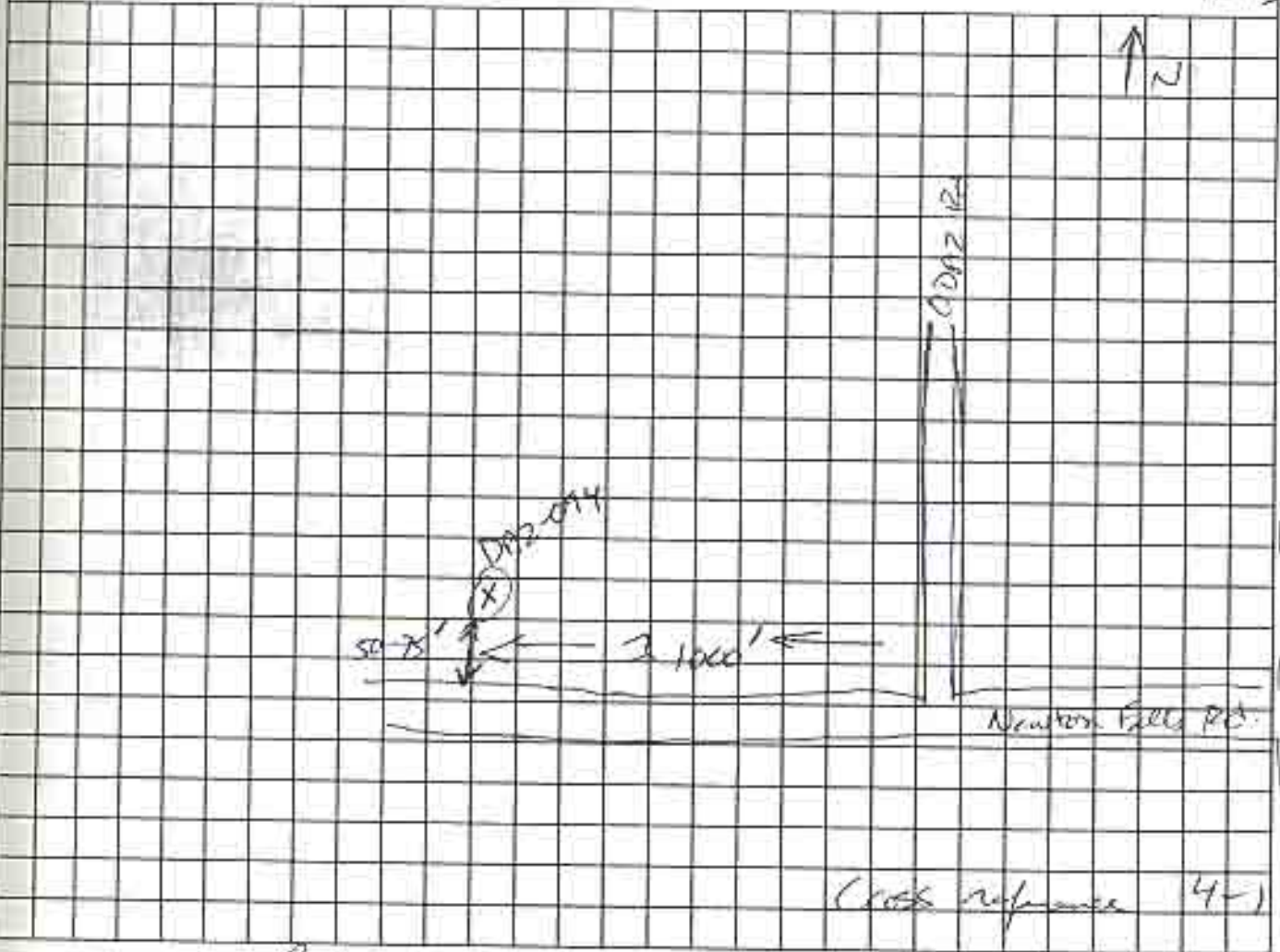
Recorded By ELT P.M. 07/10/02
 QA Checked By J. Baker 5/5/02

HTRW DRILLING LOG		DISTRICT <u>Louisville</u>		HOLE NUMBER <u>D02-094</u>	
1. COMPANY NAME <u>Spec Pro Inc.</u>		3. DRILL SUBCONTRACTOR <u>n/a</u>		SHEET <u>2 of 3</u>	
3. PROJECT <u>D02-RVAAF</u>		4. LOCATION <u>Nemo 2 Grounds</u>			
5. NAME OF DRILLER <u>n/a</u>		6. MANUFACTURERS DESIGNATION OF DRILL <u>n/a</u>			
7. SUBSTRATE TYPES OF DRILLING AND SAMPLING EQUIPMENT <u>SS Spren / scarp</u> <u>SS bowl</u>		8. HOLE LOCATION <u>D02-094</u>			
		9. SURFACE ELEVATION			
		10. DATE STARTED: <u>7-10-02</u>		11. DATE COMPLETED: <u>7-10-02</u>	
12. OVERBURDEN THICKNESS <u>n/a</u>		15. DEPTH GROUNDWATER ENCOUNTERED: <u>n/a</u>			
13. DEPTH DRILLED INTO ROCK <u>n/a</u>		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: <u>n/a</u>			
14. TOTAL DEPTH OF HOLE <u>6"</u>		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) <u>n/a</u>			
18. GEOTECHNICAL SAMPLES		DISTURBED		UNDISTURBED	
19. TOTAL NUMBER OF CORE BOXES <u>n/a</u>					
20. SAMPLES FOR CHEMICAL ANALYSIS		VOC		METALS	
<u>See activity log</u>				OTHER (SPECIFY)	
21. DISPOSITION OF HOLE		BACKFILLED		MONITORING WELL	
<u>n/a</u>				OTHER (SPECIFY)	
				22. SIGNATURE OF INSPECTOR <u>at bottom of page</u>	

LOCATION SKETCH/COMMENTS

SCALE:

NTS



20' x 20'

See 7 sub of 10102

HTRW DRILLING LOG

HOLE NUMBER DAZ-074

SHEET 3 OF 3

PROJECT DAZ-RVAP

INSPECTOR [Signature]

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
		light brown clay, 2 1/2" dia s.H., grey no rills, looks no worm	1.72	N/A	DAZ-074 0709 SD	
				E 7M		

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Ravenna Demolition Area 2 Phase II RI

DELIVERY ORDER NO: 0003

Date (mm/dd/yy): 07/10/02 Su M Tu (W) Th F Sa

PAGE 1 OF 5

Task Team Members:

<u>Susan McLaurin</u>	<u>Low Kavarik</u>	<u>Chariselle Carroll</u>
<u>Christy Ester</u>	<u>Eileen Mohr</u>	
<u>Randy McKenna</u>	<u>Mark Patterson</u>	

Narrative (include time and location):

Big piece of bag in the woods (suspected - couldn't get close enough)

SURFACE WATER DA2SW-095-0779-SW (cell)

Sampled by Susan McLaurin at 150%

Sampling location approx 6' from the east bank

FID non-flammable

Daily Weather Conditions: A.M. _____

P.M. 7750 Sunny, slight breeze

Recorded By Ed J. [Signature]

QA Checked By [Signature]

07/10/02

07-11-02

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Ravenna Demolition Area 2 Phase II RI

DELIVERY ORDER NO: 0003

Date (mm/dd/yy): 07/11/02 Su M Tu W Th F Sa

PAGE 2 OF 5

Task Team Members:

Susan McLaudin	Chantelle Carroll
Christy Estor	Eileen Mohr
Randy McKenna	

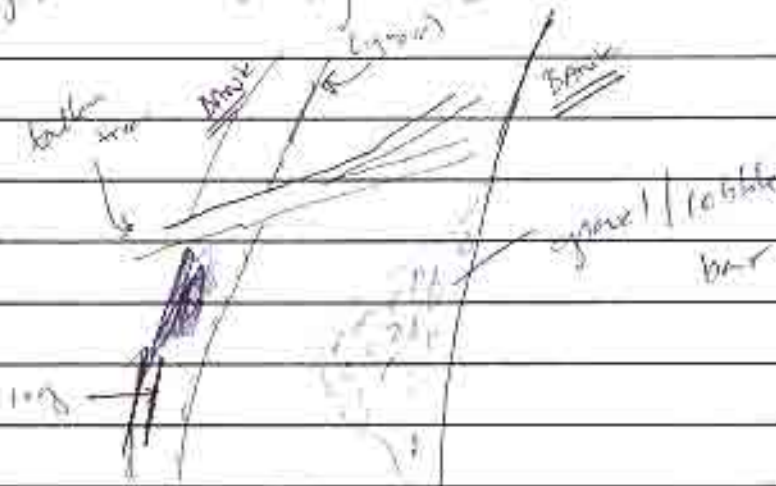
Narrative (include time and location):

Sediment sampling location is located on the opposite bank from where the surface water sample was collected

Sediment sample collected from an area of very little flow

what was thought to be a piece of frag aggragate is actually a collect part when examined by Lou K.

Sample collected by Susan McLaudin at 1325



PN NTS (yes-rec'd)

NO IDW

Daily Weather Conditions: A.M. _____

P.M. Sunny = 75°, slightly breezy

Recorded By Ethel M. R. QA Checked By Susan McLaudin

07/11/02

07-12-02

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Ravenna Demolition Area 2 Phase II RI

DELIVERY ORDER NO: 0003

Date (mm/dd/yy): 9-10-02 Su M Tu W Th F Sa

PAGE 3 OF 3

Task Team Members:

Randy McKimney

Charlette Carroll

Handwritten notes:
GAT
3/10/02
in memo
needed page
of 2-10-02

Narrative (include time and location):

0910 Start sampling DAD-095-0780-50W
Not much rain to day little water. Had to
sample a little south of the original sample
location Puddles were 1-5" in depth with
only a little flow visible over the "rocky" area under
1/2" Conductive 18.1, Turb 2.6, Temp 16.90, DO 6.34, pH 8.57

0925 Stop sampling

Daily Weather Conditions: A.M. Sunny

Recorded By Charlette Carroll P.M. QA Checked By Jue Bolis 9/26/02

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Ravenna Demolition Area 2 Phase II RI DELIVERY ORDER NO: 0003

Date (mm/dd/yy): 11-26-02 Su M Tu W Th F Sa PAGE ___ OF ___

Task Team Members:

Chantelle Carroll

Susan McAuslin

677
211005
504
11/26/02

Narrative (include time and location):

1132 arrive at DA Z-095 to sample
readings recorded on page B.

1145 sample taken at location as
before. Depth of water approximately
10".

Daily Weather Conditions: A.M. _____

P.M. _____

Recorded By _____ QA Checked By Joe Boen 11/25/02

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Ravenna Demolition Area 2 Phase II RI

DELIVERY ORDER NO: 0003

Date (mm/dd/yy): 4-3-03 Su M Tu W Th F Sa

PAGE ___ OF ___

Task Team Members:

Charlene Carroll

Randy McKinney

9:10 - incorrect strike out

Narrative (include time and location):

14:50 Arrive at sample location D92-095-0782-SW (sb) and take stream measurements

14:55 Begin sampling

15:10 Finish sampling, take pictures ^{fluvial} upstream; downstream of location

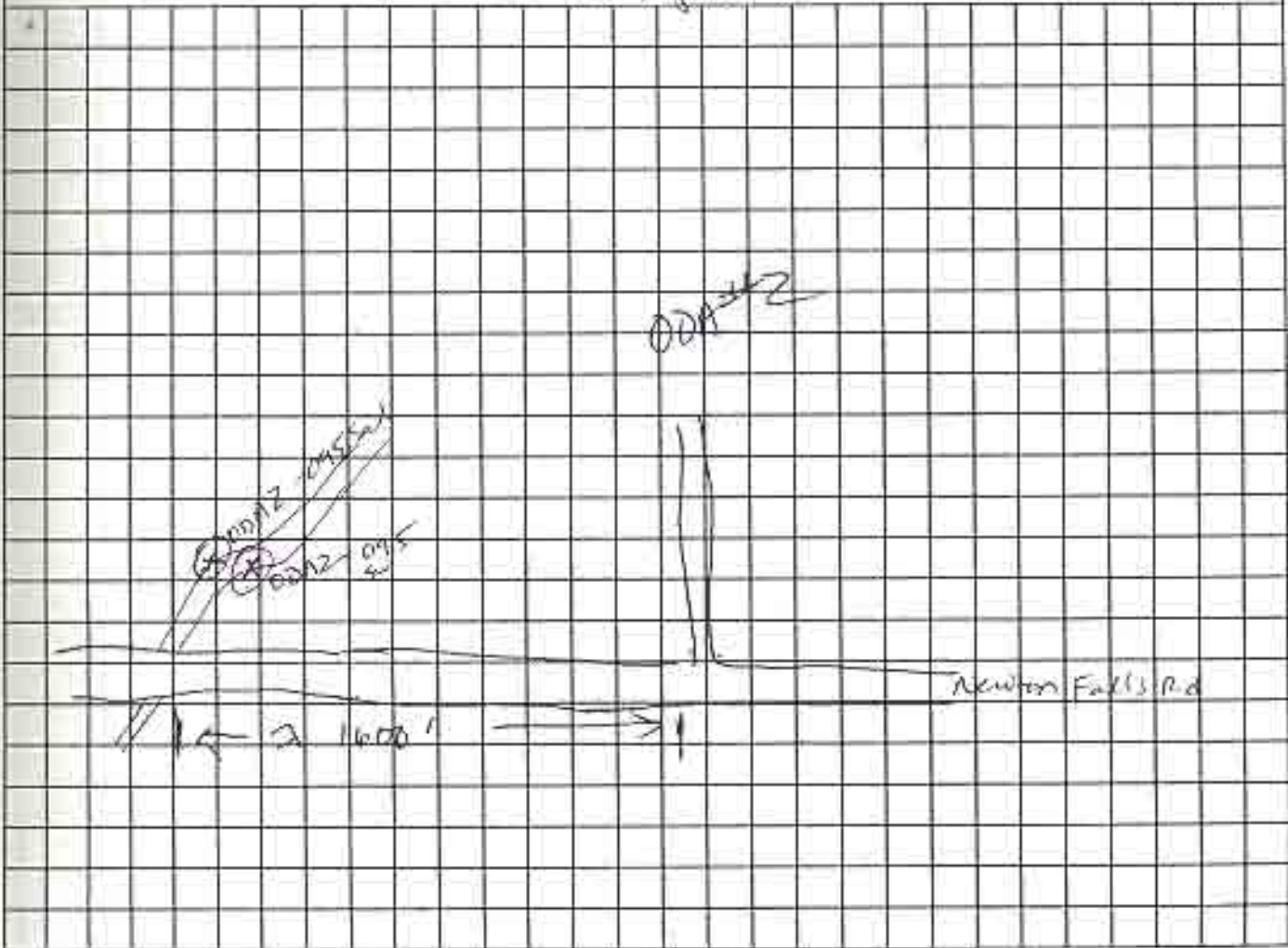
Daily Weather Conditions: A.M. _____

Recorded By Charlene Carroll P.M. QA Checked By Jane Boles 5/28/04

HTRW DRILLING LOG		DISTRICT Louisville	HOLE NUMBER DA2-095
1. COMPANY NAME Sper Pro Inc		2. DRILL SUBCONTRACTOR n/a	SHEET 3 of 5
3. PROJECT DA2-RVAAP		4. LOCATION Demo 2 Grounds	
5. NAME OF DRILLER n/a		6. MANUFACTURERS DESIGNATION OF DRILL n/a	
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT 35 scoop 35 drill		8. HOLE LOCATION DA2-095	
		9. SURFACE ELEVATION	
		10. DATE STARTED 7-10-02	11. DATE COMPLETED
12. OVERBURDEN THICKNESS n/a		15. DEPTH GROUNDWATER ENCOUNTERED n/a	
13. DEPTH DRILLED INTO ROCK n/a		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED n/a	
14. TOTAL DEPTH OF HOLE 60"		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) Valid see activity log	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES n/a		
20. SAMPLES FOR CHEMICAL ANALYSIS see activity log	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)
22. DISPOSITION OF WELL n/a	ENCLOSURE	MONITORING WELL	OTHER (SPECIFY)	25. SIGNATURE OF INSPECTOR [Signature]	
21. TOTAL CORE RECOVERY %					

LOCATION SKETCH/COMMENTS **Trace Reference figure 4.1** SCALE: **NTS** **PN**



HTRW DRILLING LOG

HOLE NUMBER DA2-095

PROJECT: DA2 - RVAAP

INSPECTOR: *John T. Mohr*

SHEET 4 OF 5

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
0-6"		light brown fine to coarse grained sand	2.82 background	NA	DA2-016	
	1	gradate coarse with 5-20% gravel	3.01		0770 SD	
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Ravenna Demolition Area 2 Phase II RI DELIVERY ORDER NO: 0003

Date (mm/dd/yy): 07/12/02 Su M Tu W Th F Sa PAGE 1 OF 3

Task Team Members:

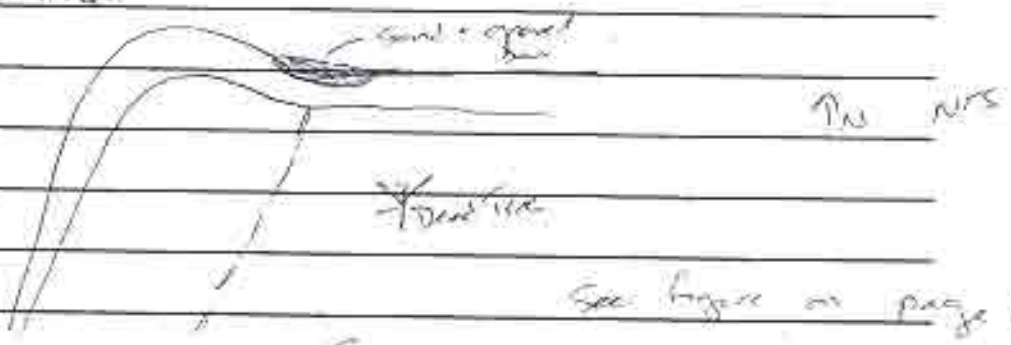
<u>Susan McLaughlin</u>	<u>Randy McKenna</u>	<u>Eileen Mohr</u>
<u>Christy Esler</u>	<u>Lee Kormanik</u>	
<u>Charles Carroll</u>	<u>Paul Zorko</u>	

Narrative (include time and location)

Sample collected at 1116 Aft by Susan McLaughlin
Water depth 1" DA2.5d-046-0771-50¹⁰⁰

Sample collection under Gillard FWSAP
FID reading obtained - see log

Sample location is right near a big dead tree
Drainage area that enters into Sand Creek is not
well defined



See figure on page 17

Sample location marked with a
small pink flag with purple outline
glove

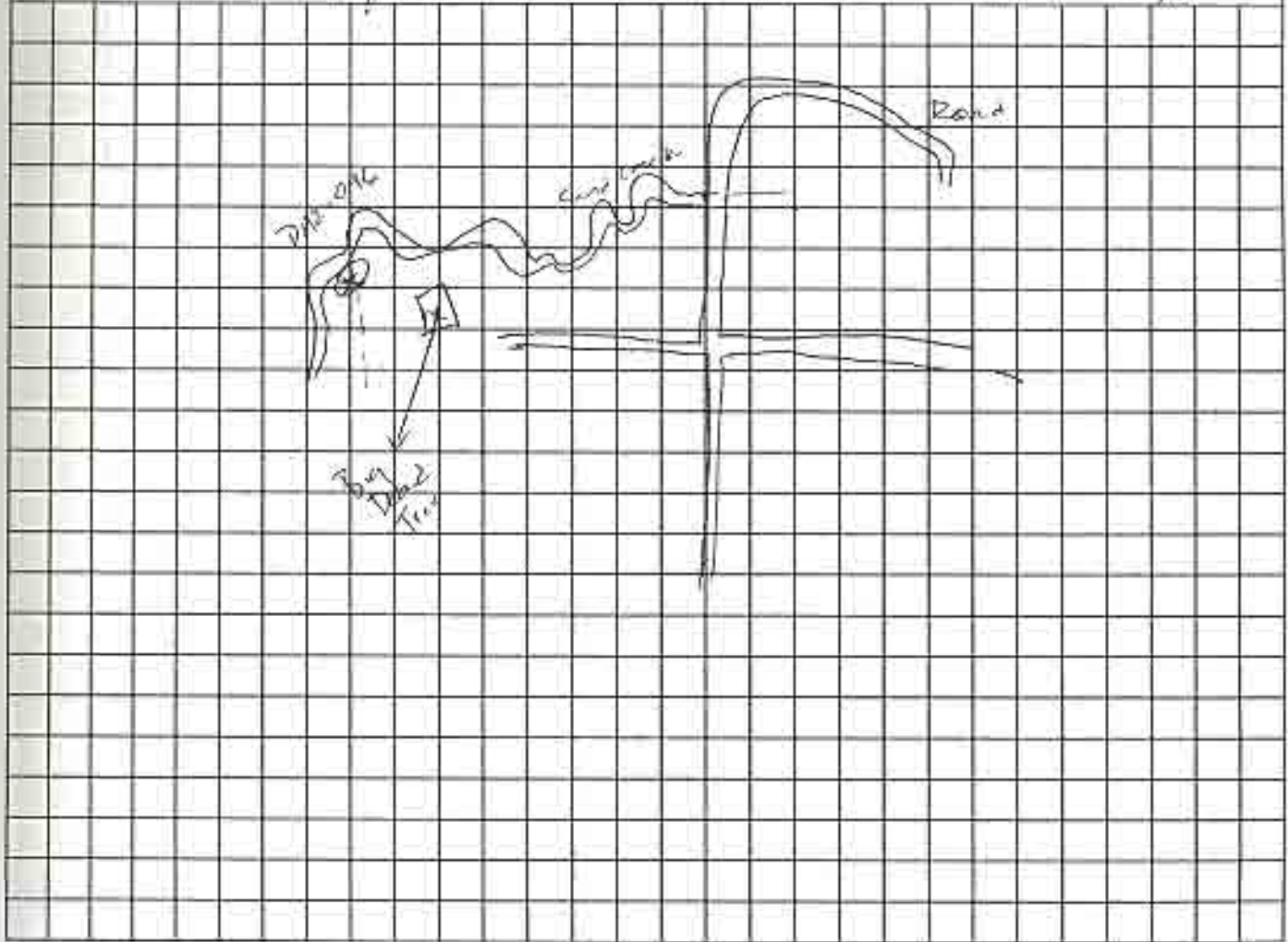
Daily Weather Conditions: A.M. Sunny = 70° slight breeze

P.M.

Recorded By Sh T Blair QA Checked By Sh Blair
07/12/02 07/12/02

HTRW DRILLING LOG		DISTRICT <u>Louisville</u>		HOLE NUMBER <u>DAD-090</u>	
1 COMPANY NAME <u>Spec Pro Inc</u>		2 DRILL SUBCONTRACTOR <u>n/a</u>		3 HOLE DEPTH <u>2 or 3</u>	
3 PROJECT <u>DAD-EVAAP</u>			4 LOCATION <u>Demo 2 Grounds</u>		
5 NAME OF DRILLER <u>n/a</u>			6 MANUFACTURERS DESIGNATION OF DRILL <u>n/a</u>		
7 SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT		8 HOLE LOCATION <u>DAD-090</u>		9 SURFACE ELEVATION	
<u>35 loop</u> <u>35 bed</u>				10 DATE STARTED <u>7-11-02</u> 11 DATE COMPLETED <u>7-11-02</u>	
12 OVERBURDEN THICKNESS <u>n/a</u>		15 DEPTH GROUNDWATER ENCOUNTERED <u>n/a</u>			
13 DEPTH DRILLED INTO ROCK <u>n/a</u>		16 DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED <u>n/a</u>			
14 TOTAL DEPTH OF HOLE <u>6"</u>		17 OTHER WATER LEVEL MEASUREMENTS (SPECIFY) <u>1"</u>			
18 GEOTECHNICAL SAMPLES		DISTURBED		UNDISTURBED	
19 SAMPLED FOR CHEMICAL ANALYSIS		VOC		METALS	
<u>See activity log</u>				OTHER (SPECIFY)	
20 DISPOSITION OF HOLE		DITCHED		MONITORING WELL	
<u>n/a</u>				OTHER (SPECIFY)	
				21 SIGNATURE OF INSPECTOR <u>[Signature]</u>	
22 TOTAL NUMBER OF CORE BOXES <u>n/a</u>		23 TOTAL CORE RECOVERY <u>n/a</u>			

LOCATION SKETCH/COMMENTS Reference 4.1 SCALE: NTS



HTRW DRILLING LOG

HOLE NUMBER *DAZ-096*

PROJECT: *DAZ-RVAAP*

INSPECTOR *Eh T. Holt*

SHEET 3 OF 3

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
<i>0-6</i>		<i>Light brown sand to coarse grain sand with 5% gravel</i>	<i>3.7 background 5.4 background 2000</i>	<i>NA</i>	<i>DAZ-096-07X S1</i>	

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Ravenna Demolition Area 2 Phase II RI

DELIVERY ORDER NO: 0003

Date (mm/dd/yy): 07/11/02 Su M Tu W Th F Sa

PAGE 1 OF 3 ¹¹ 4 ²¹¹ 3

Task Team Members:

Susan McLaughlin	Low Kawanik
Christy Esler	Esther Thier
Charitelle Carroll	Pamela McKee

Narrative (include time and location):

Sample location immediately south of the roads/cottages
DA2 sd-097-0772-SD (see)

Sampled by Susan McLaughlin @ 0943
FID background 2.03, Breakdown zone 1.55

All water in area

Definite wetland vegetation according to Charitelle

Site moved a little north of location depicted
on figure 4.1

Daily Weather Conditions: A.M. Sunny breezy 208°

P.M.

Recorded By El T Mc
07/11/02

QA Checked By Jac Bolin 7/25/02

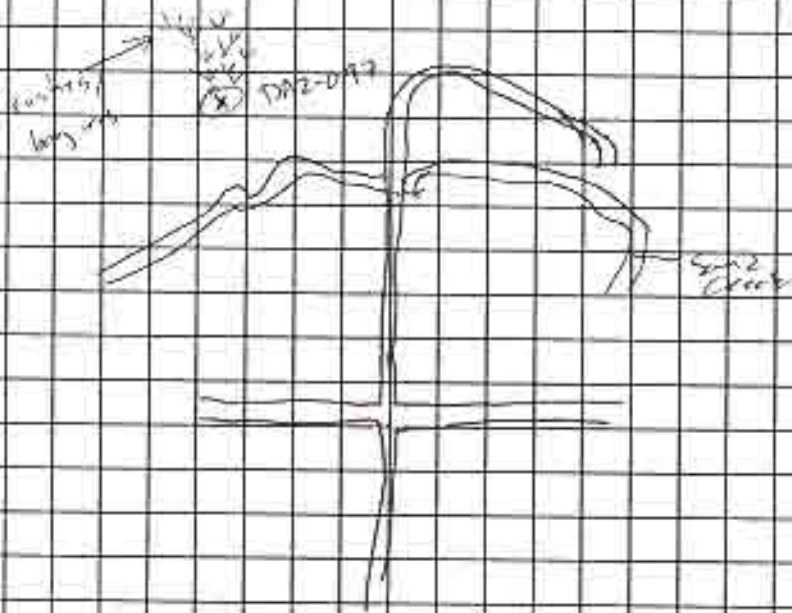
HTRW DRILLING LOG		DISTRICT <u>Louisville</u>		HOLE NUMBER <u>DA2-097</u>	
1. COMPANY NAME <u>Spec Pro Inc</u>		2. DRILL SUBCONTRACTOR <u>n/a</u>		SHEET <u>2 of 3</u>	
3. PROJECT <u>DA2-RUAMP</u>			4. LOCATION <u>Demo 2 Grounds</u>		
5. NAME OF DRILLER <u>n/a</u>			6. MANUFACTURERS DESIGNATION OF DRILL <u>n/a</u>		
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT <u>SS scoop</u> <u>SS bowl</u>		8. HOLE LOCATION <u>DA2-097</u>		9. SURFACE ELEVATION	
12. OVERBURDEN THICKNESS <u>n/a</u>		15. DEPTH GROUNDWATER ENCOUNTERED <u>n/a</u>		10. DATE STARTED <u>7-11-02</u>	
13. DEPTH DRILLED INTO ROCK <u>n/a</u>		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED <u>n/a</u>		11. DATE COMPLETED <u>7-11-02</u>	
14. TOTAL DEPTH OF HOLE <u>6'</u>		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) <u>n/a</u>			
18. GEOTECHNICAL SAMPLES		DISTURBED		UNDISTURBED	
19. TOTAL NUMBER OF CORE BOXES <u>n/a</u>		20. SAMPLES FOR CHEMICAL ANALYSIS		21. TOTAL CORE RECOVERY <u>n/a</u>	
22. DEPOSITION OF HOLE <u>n/a</u>		23. SIGNATURE OF INSPECTOR <u>See signature at bottom of page</u>			

3

LOCATION SKETCH/COMMENTS

Cross Reference Log 4.1

SCALE: NTS



TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Ravenna Demolition Area 2 Phase II RI

DELIVERY ORDER NO: 0003

Date (mm/dd/yy): 07/11/02 Su M Tu W (Th) F Sa

PAGE 1 OF 3

Task Team Members:

Susan Melancon

Randy McKenna

Christy Ecker

Lou Kovach

Charitable Carroll

Eileen Maher

Narrative (include time and location):

Sample collected by Susan Melancon at 1005

Sample collected from 6"

Sample collected from under standing water
water depth = 2"

7/26/02, ¹¹³⁰ Contingency sample DAD-087 taken just
N. of DAD-088. See soil sampling
logbook pages 109-112 for details and map.
Charitable Carroll

7/26/02, ¹¹³⁰ Contingency sample DAD-088 taken Noz carting.
DAD-087 still in stream drainage, near
soil sample DAD-040. See soil sampling #1 logbook
pages 74, 117-120 for details and map
Charitable Carroll

Daily Weather Conditions: A.M.

Sunny, 70°

P.M.

Recorded By

SL A LR

QA Checked By

Charitable Carroll

07/11/02

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Ravenna Demolition Area 2 Phase II RI

DELIVERY ORDER NO: 0003

Date (mm/dd/yy): _____ Su M Tu W Th F Sa PAGE _____ OF _____

Task Team Members: _____

*8-22-02
need pass -
state returns*

Narrative (include time and location):

8/2/02 12:00 Contingency sample DA2sd-091-0763 sd
taken southeast of soil sample DA2-050
See soil log book # 2, pages 105, 107-108
for further details and descriptions.

8/1/02 1518 Contingency sample DA2sd-089-0759 sd
taken in the unnamed tributary of Sand creek
island. See soil log book #2, pages 93
95-96 for further details

8/1/02 1618 Contingency sample DA2sd-090-0761 sd
taken near the bottom of rocket ridge
in Sand creek. See soil log book #2,
pages 97, 99-100 for further details
and descriptions

Daily Weather Conditions: A.M. _____

P.M. _____

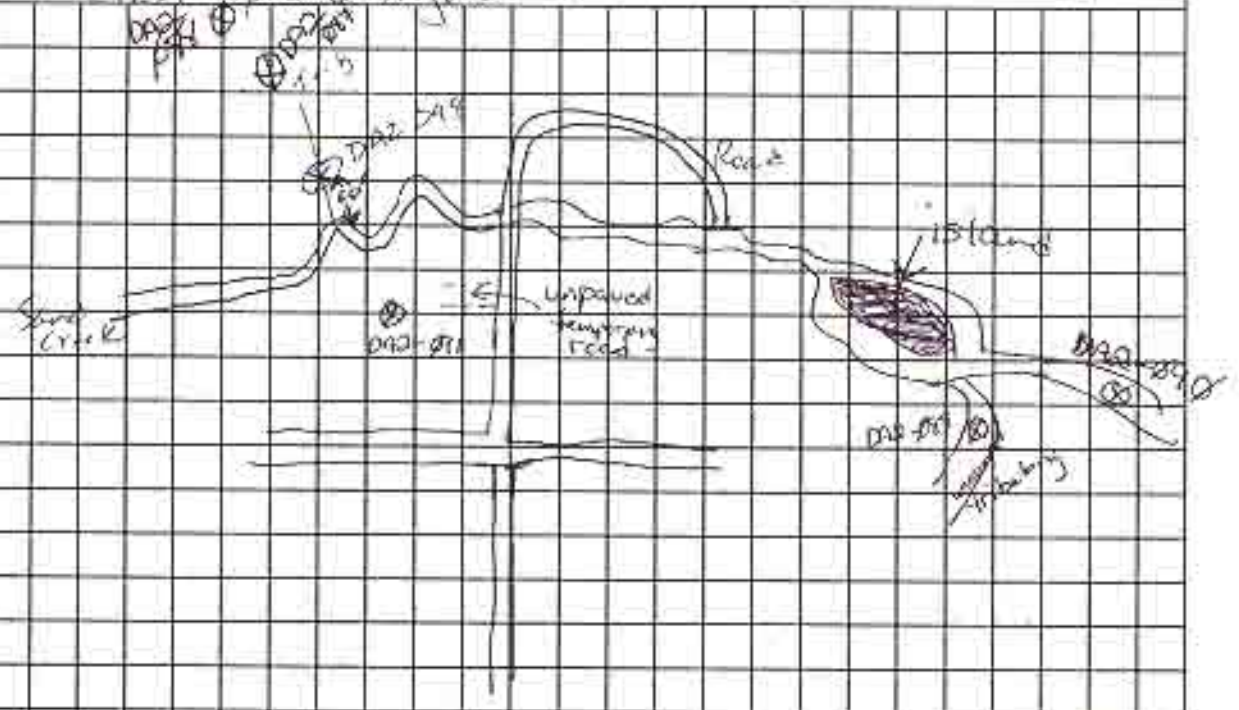
Recorded By _____ QA Checked By _____

HTRW DRILLING LOG		DISTRICT <u>Louisville</u>		HOLE NUMBER <u>DA2-098</u>	
1. COMPANY NAME <u>Spec Pro Inc</u>		2. DRILL SUBCONTRACTOR <u>n/A</u>		SHEET <u>2 of 3</u>	
3. PROJECT <u>DA2-RVAAP</u>			4. LOCATION <u>Demo 2 Grounds Area</u>		
5. NAME OF DRILLER: <u>n/A</u>			6. MANUFACTURERS DESIGNATION OF DRILL <u>n/A</u>		
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT <u>35 mm / 35 mm / scoop</u>		8. HOLE LOCATION <u>DA2-098</u>			
		9. SURFACE ELEVATION <u>n/A</u>			
		10. DATE STARTED <u>7-11-02</u>		11. DATE COMPLETED <u>7-11-02</u>	
12. OVERBURDEN THICKNESS <u>n/A</u>		15. DEPTH GROUNDWATER ENCOUNTERED <u>n/A</u>			
13. DEPTH DRILLED INTO ROCK <u>n/A</u>		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED <u>n/A</u>			
14. TOTAL DEPTH OF HOLE <u>6"</u>		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) <u>see activity log for analysis</u>			
18. GEOTECHNICAL SAMPLES		DISTURBED		UNDISTURBED	
19. SAMPLES FOR CHEMICAL ANALYSIS <u>see activity log for analysis</u>		VOC		METALS	
20. DISPOSITION OF HOLE <u>n/A</u>		BACKFILLED		MONITORING WELL	
				OTHER (SPECIFY)	
				18. TOTAL NUMBER OF CORE BOXES	
				OTHER (SPECIFY)	
				OTHER (SPECIFY)	
				21. TOTAL CORE RECOVERY %	
				22. SIGNATURE OF INSPECTOR <u>see signature attached to log</u>	

LOCATION SKETCH COMMENTS

SCALE: NFS ↑N

Cross Reference Figure 4-1



SP-1 MSK
7/11/02

HTRW DRILLING LOG

HOLE NUMBER DA2-048

PROJECT: DA2-RVDPF

INSPECTOR: E. J. Moh

SHEET 3 OF 3

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	OBTAINED SAMPLE OR CURT BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
0-11	11	Light brown fine grained sand that grades to gray color with a little more silt (silty sand)	Benzene 2.5 Breathable zone 3.11	N/A	DA2-048 1773SD	

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Ravenna Demolition Area 2 Phase II RI

DELIVERY ORDER NO: 0003

Date (mm/dd/yy): 07/10/02 Su M Tu W Th F Sa

PAGE 1 OF 5

Task Team Members:

<u>Susan McLuskin</u>	<u>Loukoverik</u>	<u>Eileen Hoff</u>
<u>Christy Ester</u>	<u>Mark Patterson</u>	
<u>Pamela McKenna</u>	<u>Chantelle Carroll</u>	

Narrative (include time and location):

Surface water + sediment sampling site.
FID non functional

Duplicate on this surface water sample + USACE duplicate

SURFACE WATER: DA2.SW-099-0783.SW^(obs)

Sample collection time of 1422 by Susan McLuskin

Surface water collected but the sediment to be collected in next day
Water level is lower than when workshop developed so
but figure 4-1 shows this location as surrounded
by water -- but south end of this portion of the
area has dried up.

Daily Weather Conditions: A.M. _____

P.M. Breezy; 70-75° if partly cloudy

Recorded By John T. Moore QA Checked By Michelle Foster

07/10/02

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Ravenna Demolition Area 2 Phase II RI

DELIVERY ORDER NO: 0003

Date (mm/dd/yy): 07/11/07 Su M Tu W Th F SaPAGE 2 OF 5

Task Team Members

<u>Susan McLaughlin</u>	<u>Elron Mohr</u>
<u>Christy Esler</u>	<u>Chantelle Corrid</u>
<u>Low Kervick</u>	<u>Pamela McKenna</u>

Narrative (include time and location):

DAA2-099-0774-50

Sediment sample offset from surface water
location by a 5' east due to magnetic
anomalies

Sample collected at 0855 by Susan McLaughlin

FID background 2.3; breathing zone reading 5.01

No IDW

8/1/08 Contingency sample DAA2-089 taken East of
water sample DAA2-099. See p. 93 in the Soil Logbook #2
for more details

Daily Weather Conditions: A.M. Breezy, sunny, \approx 85°

P.M.

Recorded By Elron Mohr QA Checked By Joe Baker 8/25/07
071-102

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Ravenna Demolition Area 2 Phase II RI

DELIVERY ORDER NO: 0003

Date (mm/dd/yy): 9-18-02 Su M Tu W Th F Sa

PAGE 9 OF 9 *QA 9-18-02
EFA incorrect strike
- needed page out*

Task Team Members:
Randy McKinney
Chantelle Carroll

Narrative (include time and location):

DA2-099

0825 Arrive at sample location and begin to sample
Sample had to be placed approximately
2 feet East from the last sample taken
due to no rain in a long time period. Water
level was very low. Water had no
apparent flow in the pools and the
pools averaged 1-2 ft in depth. Sample
taken more under fallen tree, water
depth was 4-5". DA2-099-0784-SW⁽⁴⁾

0840 Water sampling finished, go to next
location DA2SW-099-0784-SW⁽⁵⁾

Daily Weather Conditions: A.M. Sunny
P.M. _____

Recorded By Chantelle Carroll QA Checked By Jim Cole

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Ravenna Demolition Area 2 Phase II RI

DELIVERY ORDER NO: 0003

Date (mm/dd/yy): 11-26-02 Su M W Th F Sa

PAGE _____ OF _____

Task Team Members:

Susan McCauslin

Chantelle Carroll

*ETI Error SN 11-26-02
Strike out in
NE-D PROC*

Narrative (include time and location):

1102 arrive at DA2-099 to collect
Sample DA250-099-0785-3w

1105 Sample collected approximately 10'
east of water stake marker, right off
of bank edge. Water depth
approx. 2.5 to 3 feet. New beaver
dam near staked location.
Readings recorded on page 35.

Daily Weather Conditions: A.M. _____

P.M. _____

Recorded By _____

QA Checked By Su Bolin

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Ravenna Demolition Area 2 Phase II RI DELIVERY ORDER NO: 0003

Date (mm/dd/yy): 4-3-03 Su M Tu W Th F Sa PAGE ___ OF ___

Task Team Members:
Chantelle Carroll
Randy McKinney

*ETI incorrect
take out
4-3-03*

Narrative (include time and location):

8:55 Arrive at DA2-099 to collect sample
8:56 Take measurements - see page 35
13:59 Take sample collection DA230-099-078620
14:14 Finish sample, also take pictures spring
and down stream

Daily Weather Conditions: A.M. _____

P.M. Overcast, hazy, high 10's

Recorded By Chantelle Carroll QA Checked By Steve Baker *Husley*

HTRW DRILLING LOG		DISTRICT <i>Louisville</i>			HOLE NUMBER <i>DAZ-089</i>	
1. COMPANY NAME <i>Spec Pro Inc</i>		2. DRILL SUBCONTRACTOR <i>n/A</i>			3. DATE <i>3/05</i>	
3. PROJECT <i>DAZ-089AAB</i>			4. LOCATION <i>Demo 2 Grounds</i>			
5. NAME OF DRILLER <i>n/A</i>			6. MANUFACTURERS DESIGNATION OF DRILL <i>n/A</i>			
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT <i>SS scoop/spoon SS bowl</i>		8. HOLE LOCATION <i>DAZ-089</i>				
9. SURFACE ELEVATION						
10. DATE STARTED <i>7-10-02</i>			11. DATE COMPLETED			
12. OVERBURDEN THICKNESS <i>n/A</i>			13. DEPTH GROUNDWATER ENCOUNTERED <i>n/A</i>			
14. DEPTH DRILLED INTO ROCK <i>n/A</i>			15. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED <i>n/A</i>			
16. TOTAL DEPTH OF HOLE <i>6"</i>			17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) <i>See activity log</i>			
18. GEOTECHNICAL SAMPLES		DISTURBED	UNDISTURBED		19. TOTAL NUMBER OF CORE BOXES <i>n/A</i>	
20. SAMPLES FOR CHEMICAL ANALYSIS <i>See activity log</i>		SOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)
21. DISPOSITION OF HOLE <i>n/A</i>		BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	22. SIGNATURE OF INSPECTOR <i>See signature on bottom of page</i>	
LOCATION SKETCH/COMMENTS <i>Reference Figure 4.1</i>						
SCALE: <i>NTS</i> ↑ <i>N</i>						

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Ravenna Demolition Area 2 Phase II RI DELIVERY ORDER NO: 0003

Date (mm/dd/yy): 07-10-02 Su M Tu W Th F Sa PAGE 1 OF 3

Task Team Members:

<u>Susan McLaughlin</u>	<u>Low Kovarik</u>
<u>Christy Esten</u>	<u>Paul Zinke</u>
<u>Pamela McKenney</u>	<u>Steven Mohr</u>

Narrative (include time and location): DAA-100-0115-30 up

Sediment sample collected at DAA-100 from a little ditch/trub to Sand Creek

Sample location moved slightly east due to magnetic anomalies → approx 8-10'

Sample collected by Christy Esten at 0945

Sample for VOC collected first, then Co 6+ with a plastic spoon; then the rest of the sample in accordance

No water in the little ditch/trub with FUSAP

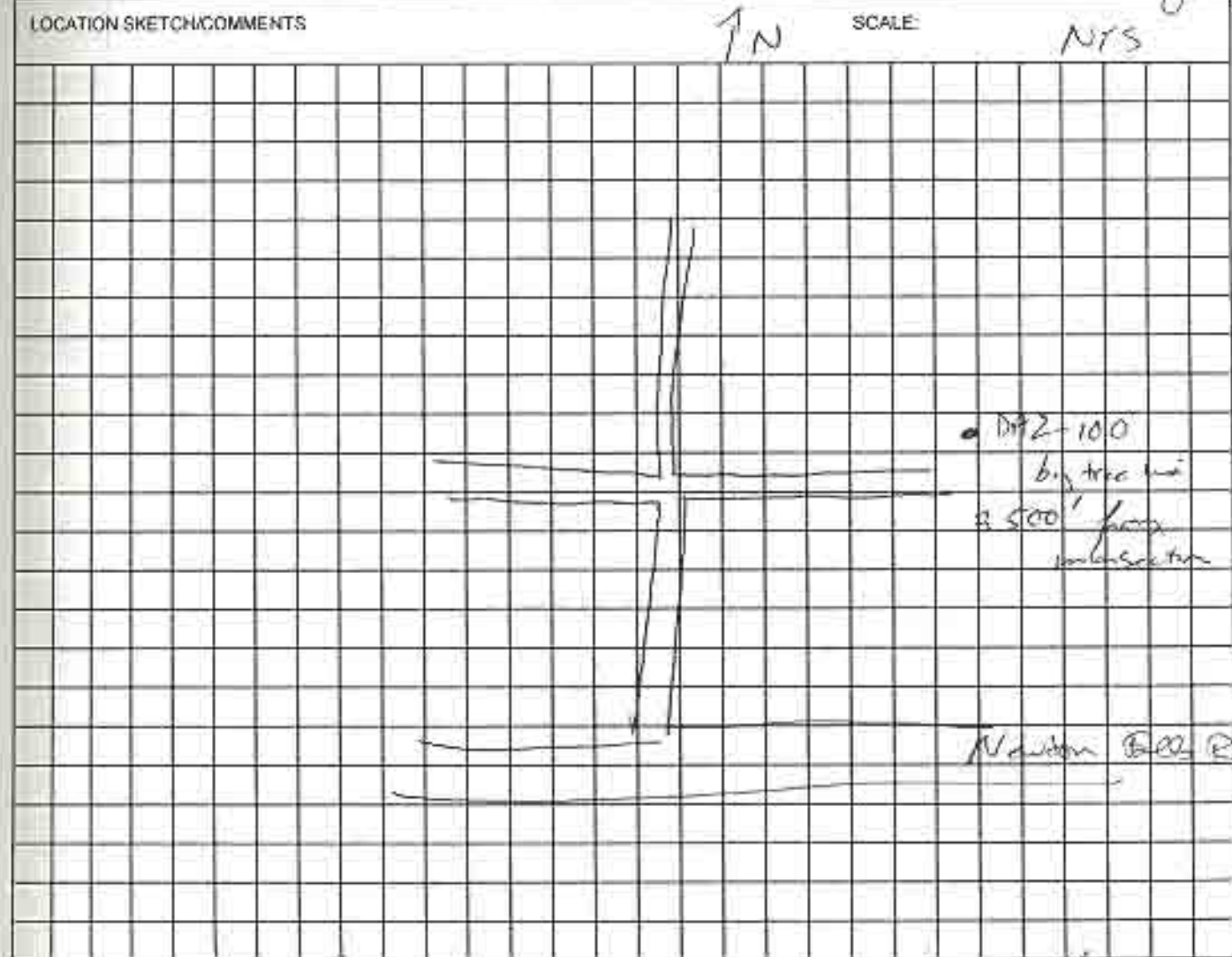
FID malfunctioned.

Daily Weather Conditions: A.M. 70° , overcast

P.M. _____

Recorded By El T Moh QA Checked By Susan Esten
07/10/02

HTRW DRILLING LOG		DISTRICT: <u>Louisville</u>		HOLE NUMBER: <u>DA2-100</u>	
1. COMPANY NAME: <u>Spec Pro Inc</u>		2. DRILL SUBCONTRACTOR: <u>N/A</u>		SHEET <u>2</u> of <u>3</u>	
3. PROJECT: <u>DA2-RVAMP</u>		4. LOCATION: <u>Some 26 grounds</u>			
5. NAME OF DRILLER: <u>N/A</u>		6. MANUFACTURERS DESIGNATION OF DRILL: <u>N/A</u>			
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: <u>35 pcen / scarp</u> <u>SS tool</u>		8. HOLE LOCATION: <u>DA2-100</u>			
		9. SURFACE ELEVATION:			
		10. DATE STARTED: <u>7-10-00</u>		11. DATE COMPLETED:	
12. OVERBURDEN THICKNESS: <u>n/a</u>		15. DEPTH GROUNDWATER ENCOUNTERED: <u>n/a</u>			
13. DEPTH DRILLED INTO ROCK: <u>n/a</u>		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: <u>n/a</u>			
14. TOTAL DEPTH OF HOLE: <u>6"</u>		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): <u>n/a</u>			
18. GEOTECHNICAL SAMPLES		DISTURBED		INDISTURBED	
19. TOTAL NUMBER OF CORE BOXES: <u>n/a</u>					
20. SAMPLES FOR CHEMICAL ANALYSIS		VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)
<u>see activity log</u>					
21. DISPOSITION OF HOLE: <u>D</u>		BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	22. TOTAL CORE RECOVERY
<u>n/a</u>					<u>see signature at bottom of page</u>



SLT
APPENDIX E

Cross reference figure 4-1

HTRW DRILLING LOG

SOLE NUMBER DA2-100

PROJECT: DA2-EVAP

INSPECTOR: *Sh T Moh*

SHEET 3 OF 3

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOCHEM SAMPLE OR CORRECTION	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
	0-6"	Dark brown, clayey silt, minor sand & gravel (trace sand, black fine / med coarse), Moist		N/A	DA2-100-077550	
						<i>END</i>

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Ravenna Demolition Area 2 Phase II RI

DELIVERY ORDER NO: 0003

Date (mm/dd/yy): 07/10/02 Su M Tu W Th F Sa

PAGE 1 OF 3

Task Team Members:

Susan McLaurin

Christelle Carroll

Cheryl Eaker

Eileen Mauer

Randy McKeown

Lois Kowalski

Narrative (include time and location):

Duplicate collected here as well as the USACE split
 Sample location is down gradient of a "parallel explosion"
 down for a 30 mm gun. This down was it have
 contained ^{fragments} fragments (triple head) according to LOU
 - Sample is between the down which is partially buried
 and a speed breaker tube + scrape + a deformed
 metal in pocket

Sample collected by Susan McLaurin at 1337

Used Shimadzu to determine sample location

Sample gas filled in routine with PerSept

FID non functional

Sample depth 0-6" DA 2.5.1-181-0776-50 (5d)

Daily Weather Conditions: A.M. _____

P.M. Sunny, cloudy: 370-720

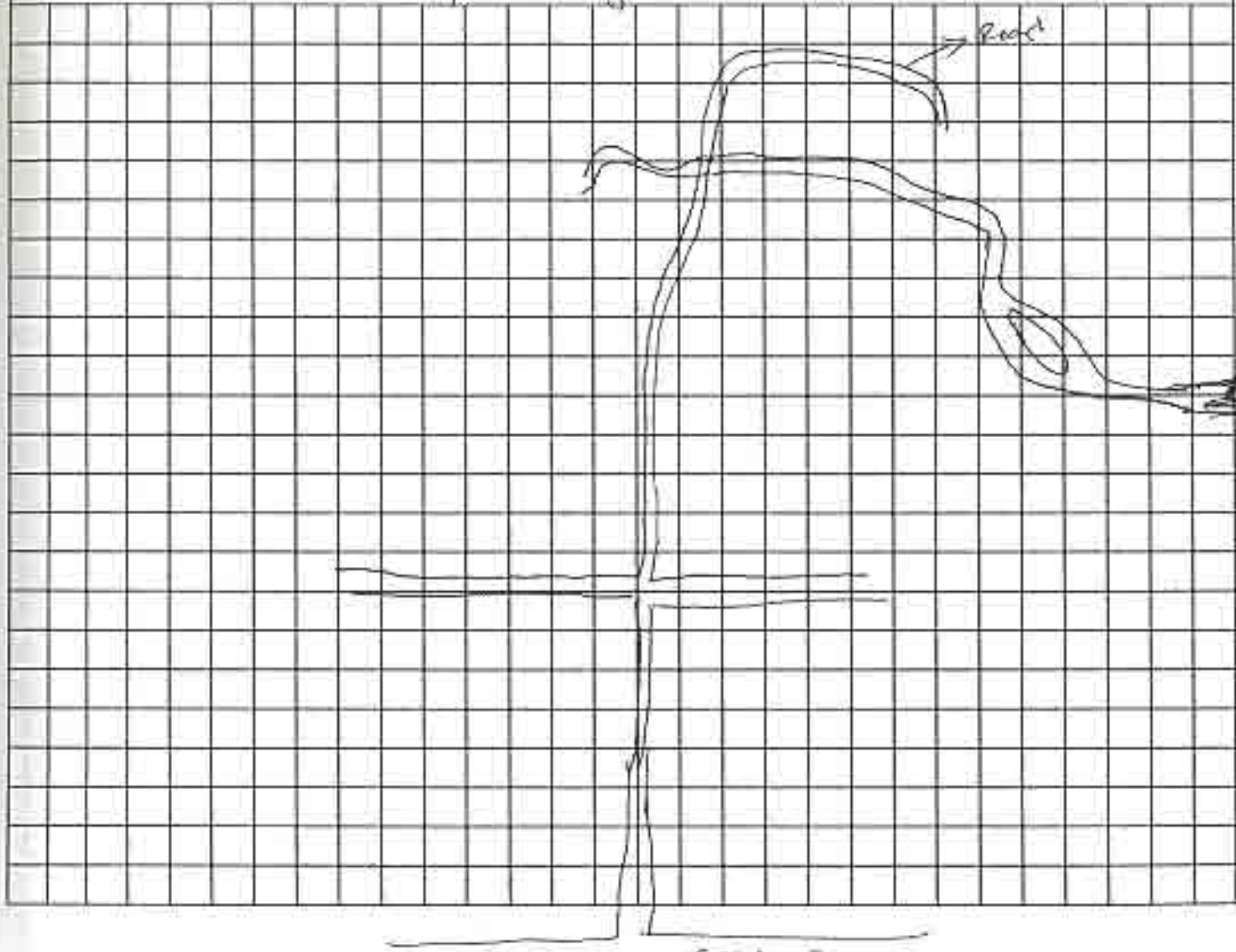
Recorded By [Signature]

QA Checked By [Signature]

07/10/02

HTRW DRILLING LOG		DISTRICT <u>Louisville</u>		HOLE NUMBER <u>DA2-101</u>	
1 COMPANY NAME <u>Spec Pro Inc</u>		2 DRILL SUBCONTRACTOR <u>n/a</u>		PAGE <u>2 of 3</u>	
3 PROJECT <u>DA2 RVAAP</u>			4 LOCATION <u>Demo 2 Grounds</u>		
5 NAME OF DRILLER <u>n/a</u>			6 MANUFACTURERS DESIGNATION OF DRILL <u>n/a</u>		
7 SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT <u>50 scoop/pneum 33 bowl</u>		8 HOLE LOCATION <u>DA2-101</u>		9 SURFACE ELEVATION	
12 OVERBURDEN THICKNESS <u>n/a</u>		15 DEPTH GROUNDWATER ENCOUNTERED <u>n/a</u>		10 DATE STARTED <u>7-10-05</u>	
13 DEPTH DRILLED INTO ROCK <u>n/a</u>		16 DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED <u>n/a</u>		11 DATE COMPLETED <u>7-10-05</u>	
14 TOTAL DEPTH OF HOLE <u>6"</u>		17 OTHER WATER LEVEL MEASUREMENTS (SPECIFY) <u>n/a</u>			
18 GEOTECHNICAL SAMPLES		DISTURBED	UNDISTURBED	19 TOTAL NUMBER OF CORE BOXES <u>n/a</u>	
20 SAMPLES FOR CHEMICAL ANALYSIS <u>see activity log</u>		W/C	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)
22 DISPOSITION OF WASTE <u>n/a</u>		BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	21 TOTAL CORE RECOVERY
		<u>n/a</u>			<u>100%</u>
23 SIGNATURE OF INSPECTOR <u>[Signature]</u>					

LOCATION SKETCH/COMMENTS Cross Reference Fig 41 SCALE: NTS ↑



HTRW DRILLING LOG

PROJECT: DAD-2VAAP INSPECTOR: Shirley HOLE NUMBER: DAD-101
 SHEET 3 OF 3

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOCHEM SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (D)	REMARKS (E)
0-60	11	Fine to coarse grained sand with gravel, light brown to gray color. Hot clay/silty clay at 4"	NA	NA	DAD-101-077aSD	

DAD-097 DAD-098

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Ravenna Demolition Area 2 Phase II RI

DELIVERY ORDER NO: 0003

Date (mm/dd/yy): 07/09/02 Su M W Th F Sa

PAGE 1 OF 3 ^{PM} 5

Task Team Members:

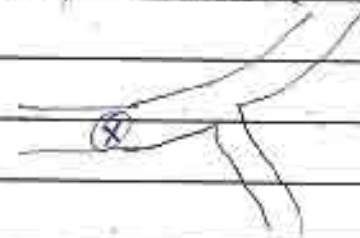
<u>Susan McLawstin</u>	<u>Low Kovack</u>
<u>Christy Ester</u>	<u>Charlotte Carroll</u>
<u>Paul Zorbo</u>	<u>Erin Mohr</u>

Narrative (include time and location):

SAMPLE LOCATION ^{EM} DAZ-102 Arrived sample location at 1305
 Temp 25.2° C
 DO = 6.50 weather 27.5°; muggy; overcast
 Conductivity = 0.01 uS
 pH = 8.02 ~~SEE PAGE 53 - SM~~

DAASW-102-0787 SW
 Sampled by Susan McLawstin and Christy Ester; clear/not turbid; flowing
 Collection time started at 1312 and ended 1316
 Water depth 6"; Sample from middle of creek
 PID readings started at 1.7 and stabilized - 0.55 on bank
 Breathing zone is stabilizing 0.97 - 1.03

Sample collected from the middle of Sand Creek
1200-
3 1500' east of dump pit
 Ran in pH cell on way back to the car



Daily Weather Conditions: A.M. Rainy
 P.M. Overcast, humid

Recorded By Ch. J. Mohr QA Checked By Shelley 7/11/02
07/08/02

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Ravenna Demolition Area 2 Phase II RI

DELIVERY ORDER NO: 0003

Date (mm/dd/yy): _____ Su M Tu W Th F Sa

PAGE 2 OF 35

Task Team Members:

See page 1

* SEE PAGE 53 FOR READINGS -

Narrative (include time and location):

Subsequent to collecting sample DAZ-102 the rain really started to come down and sampling was terminated. It was decided that sample DAZ-102 would stand as a "wastebait" scenario, as up until this time it had not rained for approx 3-4 weeks. Rain was heavy for approx 40 minutes. Sampling will re-commence on 07/09/02.

9-9-02 Randy McKimney Chantelle Carroll

15:20 Started sampling. Water was very shallow and areas puddled. Most puddles ranged 1/2 - 2" deep, some flow but not much. Haven't rained in a long time.

DA25W-102-07085W

Full suite taken. Temp 21°C Turbit 3.1 PH 8.43
Conduct. 18.7 DO 75.8

Stop sampling 15:50 - Overcast H.P. cloudy J. Carroll
9-9-02

Daily Weather Conditions: A.M. _____

P.M. Pouring rain

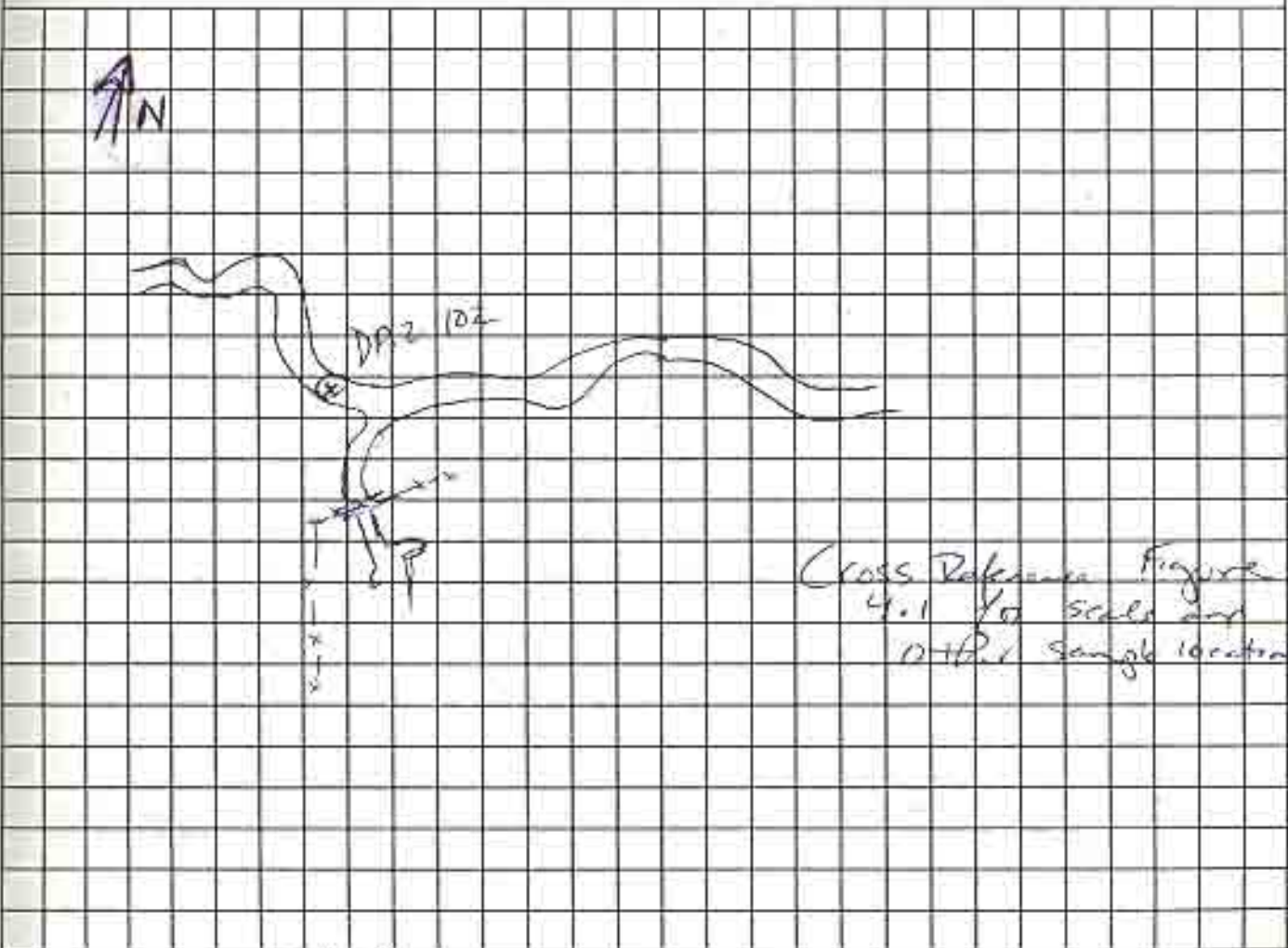
Recorded By [Signature]
07/08/02

QA Checked By [Signature]
07/11/02

HTRW DRILLING LOG		DISTRICT: <u>Louisville</u>		HOLE NUMBER <u>DA2-102</u>	
1. COMPANY NAME <u>Spec Pro Inc</u>		2. HIRE SUBCONTRACTOR <u>n/a</u>		PAGE <u>3</u> OF <u>5</u>	
3. PROJECT <u>DA2-Phase II RI</u>			4. LOCATION <u>Demo 2 Grounds</u>		
5. NAME OF DRILLER <u>n/a</u>			6. MANUFACTURERS DESIGNATION OF DRILL <u>n/a</u>		
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT <u>SS 3coop</u> <u>SS bowl</u>		8. HOLE LOCATION <u>DA2-102</u>			
9. SURFACE ELEVATION					
12. OVERBURDEN THICKNESS <u>n/a</u>			15. DEPTH GROUNDWATER ENCOUNTERED: <u>n/a</u>		
13. DEPTH DRILLED INTO ROCK <u>n/a</u>			16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED <u>n/a</u>		
14. TOTAL DEPTH OF HOLE <u>6"</u>			17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) <u>Owned see activity log</u>		
18. GEOTECHNICAL SAMPLES		DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES <u>n/a</u>	
20. SAMPLES FOR CHEMICAL ANALYSIS <u>See activity log</u>		VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)
22. DISPOSITION OF HOLE		BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY
		<u>n/a</u>	<u>n/a</u>	<u>n/a</u>	<u>See signature at bottom</u>

LOCATION SKETCH/COMMENTS

SCALE: N-TS



Cross Reference Figure
4.1 for scale and
other sample locations

~~Page 3A~~ ^{3A} Sediment Sample at ODZ 102

Sample team: Susan McCauslin Lou Kovarik
Christy Ester Paul Burke
Randy McKern Eileen Mohr

Sample date: 07/10/02

Sample collection time: 1055

Sample collected by: Sue McCauslin

→ Sample collected from site of 07109102 surface water area, but towards the southern bank of Sand Creek

→ FID non functional

→ low k did Schuster sweep prior to collection

→ Sediment sample notes on pages 3A + 4. Total of 5 pages for this sample location.
DA2SD-102-0777-SD

Weather: 70-75°; partly cloudy

Recorded: Elin T. Mohr
07/10/02

QA Check: S. McCauslin
07/11/02

HTRW DRILLING LOG

HOLE NUMBER 402-102

PROJECT: DAD-RVAAP

INSPECTOR: E. J. Miller

SHEET 5 OF 5

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
0-6	11	Fine to medium grain sand; few gravel; 10-20% silt Small amount of organics	NA	NA	2 00R10Z S1277	
		Sediment Sample collected 02/10/02				

11-26

Chantelle Carroll

Susan McAuslan

1018 arrive at DAZ-102 to collect third round
Sample. Readings on Page 53 of this logbook

DA2SW-102-0789-SW (25)

1025 Sample collected near shore, approximately 4'
West of Stake marker. Water depth
varies from 4" to 10" in center of
stream. Stream restored to banks,
flow medium.

4-3-03

Chantelle Carroll

Randy McKinney

11:15 arrive at sample DAZ-102 to collect last
sample. Readings on Page 53 of this logbook

11:22 Sample collected at marker. Water depth 6-7"
Water had been at flood stage, receded to normal
bank level but strong flow and waterflow.

11:30 Finish sample

DA2SW-102-0790-SW (25)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: Ravenna Demolition Area 2 Phase II RI

DELIVERY ORDER NO: 0003

Date (mm/dd/yyyy): 02/10/02 Su M Tu W Th F Sa

PAGE 1 OF 3

Task Team Members:

Susan McCaughy

Lou Kovarik

Christy Fala

Paul Zinke

Randy McKenna

Elin Mohr

Narrative (include time and location):

Sampled west from original scraped point

Sediment sample collected at 1035 by Sue McCaughy
DA2SD-103-0778 SD⁽²⁰⁾Sample location is directly west of 3-5' of a large fall
tree across the creek. Good depositional area.

F.D. meter is non-operational

Sample collection made following FWSAP

The sample location is right next to the water - but is
not covered by water. SW side of cut bankNote: Did not use plastic scoop for Co⁶⁰ sample

Daily Weather Conditions: A.M. 70°-75° Sunny

P.M.

Recorded By

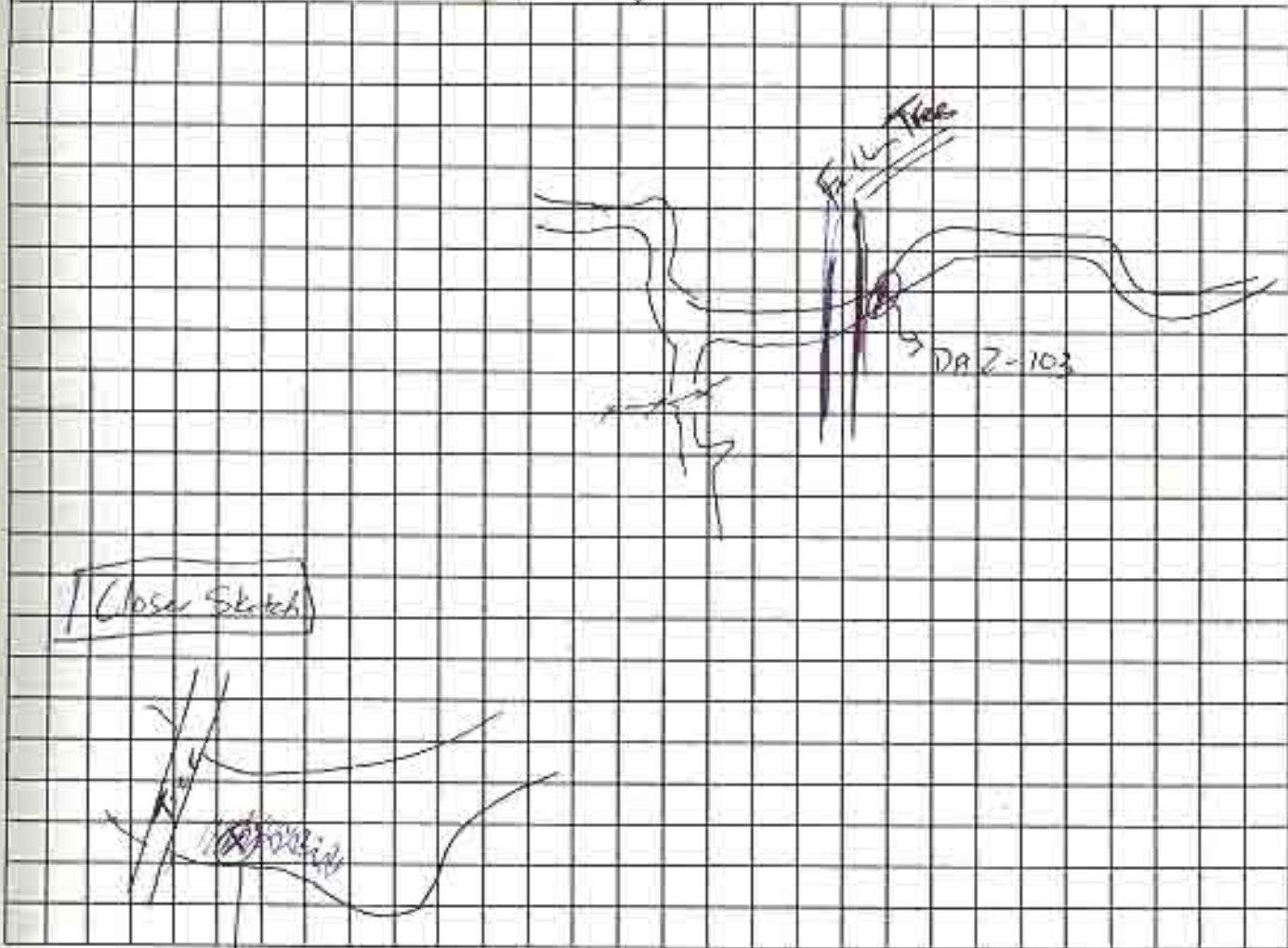
Elin Mohr
02/10/02

QA Checked By

Jim Green 3/25/02

HTRW DRILLING LOG		DISTRICT: <u>Louisville</u>		HOLE NUMBER <u>DAZ-103</u>	
1. COMPANY NAME <u>Spec Pro Inc</u>		2. DRILL SUBCONTRACTOR <u>n/a</u>		SHEET <u>2 of 3</u>	
3. PROJECT: <u>DAZ-EVAP</u>			4. LOCATION: <u>Demo 2 Grounds Area</u>		
5. NAME OF DRILLER: <u>n/a</u>			6. MANUFACTURER'S DESIGNATION OF DRILL: <u>n/a</u>		
7. SIZE AND TYPES OF DRILLING AND SAMPLING EQUIPMENT <u>53 spoon / scoop</u> <u>30 bail</u>			8. HOLE LOCATION: <u>DAZ-103</u>		
			9. SURFACE ELEVATION:		
			10. DATE STARTED: <u>7-10-02</u>		11. DATE COMPLETED: <u>7-10-02</u>
12. OVERBURDEN THICKNESS: <u>n/a</u>			15. DEPTH GROUNDWATER ENCOUNTERED: <u>n/a</u>		
13. DEPTH DRILLED INTO ROCK: <u>n/a</u>			16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: <u>n/a</u>		
14. TOTAL DEPTH OF HOLE: <u>6"</u>			17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): <u>N/A or see activity log</u>		
18. GEOTECHNICAL SAMPLES		DISTURBED	UNDISTURBED		19. TOTAL NUMBER OF CORE BOXES: <u>n/a</u>
20. SAMPLES FOR CHEMICAL ANALYSIS: <u>see activity log</u>		VIC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)
22. DISPOSITION OF HOLE: <u>n/a</u>		BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	21. SIGNATURE OF INSPECTOR: <u>[Signature]</u>

LOCATION SKETCH/COMMENTS: Cross Reference Fig 4.1 SCALE: N.T.S. ↑ N



HTRW DRILLING LOG

HOLE NUMBER DA2-143

PROJECT: DA2-RVAOP

INSPECTOR

[Handwritten signature]

SHEET 3 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GRAIN SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
	0.611	<p><i>fine sand</i> Med <i>gravel (sand to gravel) to coarse;</i> trace of silt, not</p>			DA2-103-077050	
	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					