

SHORE  
8/23 - 9/1/04

"Rite in the Rain"®  
ALL-WEATHER WRITING PAPER



## HORIZONTAL LINE

All-Weather Notebook  
No. 391

Rhone Poulenc HWD-189A
SH 01 - 09
Sediment
Min. piezometer

4 5/8" x 7" - 48 Numbered Pages

Grechen Schmidt 8/23/04 3

9:00 Introductions 8/23/04  
@ site

Van Palumbo  
Christy Brown  
Bernie Zavala  
lene Fuentes  
Grechen Schmidt  
Shawn Blocker

EPA

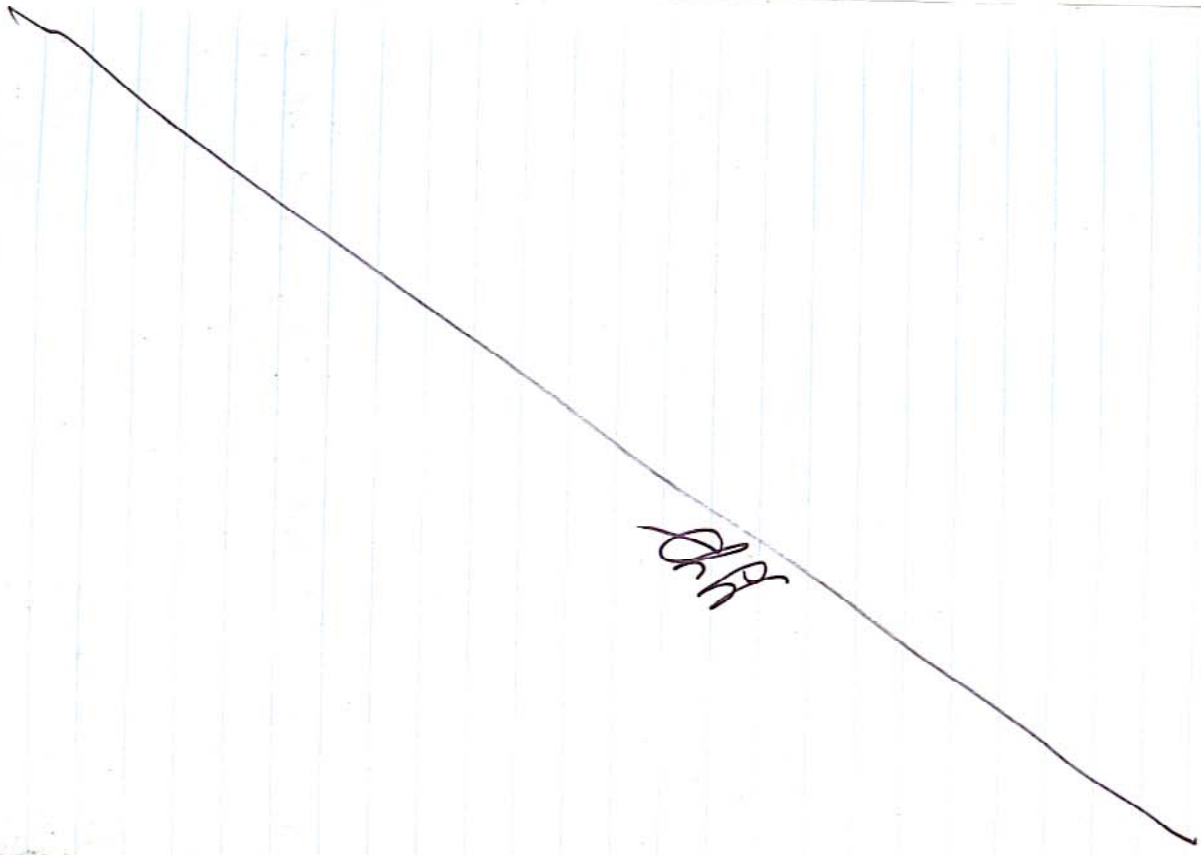
Gary DePaw? - ~~RCI~~ Geometrics  
Walt Wold - RCI  
John Long Geometrics  
Kurt Dresen - RCI

tide in-coming -  
decision made to demo piezometer  
and boring equipment  
maybe unable to take samples today  
because of tide

Due to tide ~~fall~~  
SH-06 DUP  
06 MS  
07 MSD  
10:00 No Sampling today  
due tide

will be done on SH-07

Mark Henry Enr. Sampler Piezometer



Lucken-Schmidt

8/23/04

demonstrated piezometer

Depart site 1040 AM '04

Walked to Slip 6 to observe barges & other things in slip

Left site 10:50 AM

~~FAA~~

8/24/04

SK, J, P, M

Stucken Schmitt  
8/24/04

8/24/04

Entered site 7:07am

Shawn	EPA
Jan	
Rene	
Steve	
Christy Stecher	

John-Geo. Pete RCJ

Rainy - lightning to south

7:50 SH-1 Plastic  
 0-2 Mudd dark brown  
 alt + sand organic  
 iron staining  
 2-26 mostly sand  
 fine grain  
 iron stain  
 lighter organic  
 matter

Archer Schmidt  
8/24/04

Archer  
Schmidt

Archer Schmidt  
8/24/05

Archer  
Schmidt

Hueber Schmidt Sta 464  
Upper being mixed  
sample taken for  
consultant 7:55a

Upper sample 7:58a  
Lower consultant  
8:00 am

Lower 8:04 am <sup>8:55</sup><sub>8:55</sub>

Metal samples Sta-1  
Lower 04354251  
0-1 organic silt clay  
sand

1-15 gray silt/sand  
fine grain  
rust stain (lots)  
A small charcoal

8:15 am

Hueber Schmidt  
Sta 464 Tunn slowed  
Sta-02  
Plastic

Description Sample  
piled 8:25p

Gunk - silt gray/bk  
silt kindbk

0-6cm silt fine gra  
organics sand

6-22 grade clays green  
to black Method  
22-24 gravel with  
silt

1 worm in sample

upper 8:30 am consultant

2 samples 04354252  
8:31 am

Note GPS batteries  
failed @ 8:15 am  
calling for another

Hecken Schmidt 8/24/04

Lower Plastic 0435  
8:32 am 4253

~~to~~ Metals SH-02  
8:40 am rain stopped

Fine silt  
Olive green grade to  
~~tooth~~ dark green black  
silt organic

Material gravel  
25 cm 3 cm angular  
average size  $\frac{1}{2}$  cm

Mixed together  
lower sediment  
0435 4253  
Jaws filled 8:45 am

Hecken Schmidt 8/24/04

SH-3 Contains Dip  
8:50 am

Plastic Upper/Lower  
0435-4254 0435-4255  
description -

0-6 cm sand/silt  
black silt mottled  
minor rust stain

6-26 fine sand w/silt  
grading fine sand  
medium brown  
silt slightly mottled  
Micro-ceous

Upper Mixed 8:55 am  
(0435-4254)  
1 sample for consultant  
8:51 am rain started

Lower samples 8:57 am  
consultant 9:02 am  
agour  
9:02 am

SH-3 Theodor Schmidt 8/24/64  
Metals 9:05 am

Description  
ditto plastic  
samples

Upper mixed 9:06 am  
bottles filled 9:09 am

Lower mixed 9:10 am  
bottles filled 9:10-9:12 am  
finished 9:14 am

Breaking down  
sampling location 9:25 am

Theodor Schmidt 8/24/64  
SH-4

Plastic sampler  
pulled at 9:31 am

Metal sample pulled 9:32 am

Plastic description

0-5 cm gray brown  
Silty silt olive brown

organic black/green mottled  
fine grain sand

6-36 cm sandy silt

gray mottled red  
brown/black 10-14 cm  
organic medium  
grain sand

Upper mixed 9:36 am  
bottles filled 9:37 a  
0435-4254

consultant sample  
9:40 am

Lower 0435-4257  
mixed 9:41 am



Shcher Schmidt Sp2404  
 constant sample  
 9:41 am  
 bottles filled 9:41-9:44a.

### Metals

Remove from sampler  
 at 9:45a

6-70 cm olive green  
 strange webbed  
 br/pl

organic matter  
 silty fine sand  
 to green sandy silt  
 last 4cm medium grain  
 sand

lower samples only  
 bottles filled 9:46am  
 to 9:49am

Shcher Schmidt Sp2404<sup>17</sup>

SH-5 Unable to  
 take due to  
 tide 9:52am

~~no + up of~~

Shawn Schmitt 8/25/04

8/25/04  
Shawn/Shreehan arrived  
at site @ 6:45a  
Began setting up

John RCI  
Jan P  
Christy

Initial site review @ 7:20am  
Overcast  
windy @ 15+ mph

Decision to start  
with SH-9 due to  
tide coming in

Tide remove Flag 8  
from yesterday

Necessary to restake  
and locate Flag 9  
from ~~the~~ Flag 8

8/25/04 Shreehan Schmitt

1st hole today due to tide  
SH-8

Plastic  
guck dark brown pulled  
sandy silt @ 7:35am

0-5cm med drk brown  
to olive green to black

5-21cm silt w/ sand fine  
grain dark olive/black  
some organic material  
No smell

7:40 Mix upper sample  
filled bottles 7:40-7:42am  
constant sample 7:41am  
(04354264)

7:44a mixed lower  
clam found in sample  
7:45am filled jars  
(04354265)  
7:45am constant sample

Auchen Schmidt Spas/ox  
Finished lower bottles  
7:46 am

Pete joined group

Metals

description:  
ditto for plastic  
lower samples only

Mixed 7:50 am

(04354265)

filled jars 7:51 am - 7:52 am

SH-9

sample

plastic 8:56 am from sediments

~~upper~~ description:

Sand medium grain

iron staining - lots

olive green / brown mottled

bioturbated - lots

upper 04354266

Mixed @ 8:00 am

filled bottles

8:00 am -

constant sample 8:00 am

(Spitting rain) to 8:04 am

4/2  
5/2  
6/2  
7/2  
8/2  
9/2  
10/2  
11/2  
12/2  
13/2

Auchen Schmidt 8/25

Lower (04354267)

Mixed sample 8:06 am

filled bottles 8:07 am - 8:09 am  
(Stopped raining)

Metals SH-9

Sample from sediment 8:14 am  
description:

ditto - plastic

(04354266)

Upper mixed 8:15 am

bottles filled 8:16 am - 8:17 am

lower (04354267)

Mixed 8:20 am 8:20 - 8:22 am filled bottles

SH-7

plastic sediment sample pulled  
at 8:26 am

description:

Silt some sand

Mid gray w/olive green

black

iron staining mixer top 12 cm

lens of fine sand about 12 cm

back to silt for 12-22 cm

22+ cm grades to fine sand

Auchen Schmidt 8/24/04

Mixed upper 8:30am  
bottles filled 8:31am - 8:33  
Pete left 8:33

Lower mixed 8:35am  
filled 8:35 - 8:37am

at base of piprap

~~SH-6~~ near (up the  
bank) 5-6 blue  
material? <sup>9:00pm</sup>

Metal

Sediment sample pulled 8:45am  
description - ditto

Lower mixed 8:47am  
bottles filled 8:47am - 8:50am

8:52am stopped to  
change decon water

Auchen Schmidt 8/25/04

SH-6  
Plastic  
description 9:05am from sediments

Note: SH-6 plastic sample  
Come out in pieces  
0-7cm interbed silts +  
sand lens medium brown  
some rust stain  
7-23cm fine sand with small  
silt lens e 17cm lens thick  
medium brown - gray

Upper 9:10am mixed  
bottles filled 9:10 consultant  
sample e 9:10am - 9:15am  
bottles filled

Lower  
Mixed 9:16am  
consultant <sup>sample</sup> taken 9:17am  
bottles filled 9:17am - 8:22am

Metals sediment pulled 8:26am  
description: ditto

Becken Schmidt 8/25/04  
8/24/04

upper mixed 9:27a  
bottles filled 9:27-9:30A  
(04354260)

lower mixed (04354261) 9:30a  
bottle filled 9:31am

Steve P. advise  
to visually inspect  
to "impermeable"

SH-5

Sediment sample  
pulled 9:42am discarded  
due to insufficient volume  
description:

2nd try for sample @ 9:45am

description:

silty fine grain sand

dark olive green

very small rust stain  
2cm x 3cm x 2cm

upper mixed 9:47am (0435-4258)

more rust stain when

mixing 1st 10cm

very few bivalve shells

bottles filled 9:49am - 9:50am

Some organic matter - roots

Becken Schmidt 8/25/04

lower (0435-4259)

mixed @ 9:52a

constant sample 9:53a  
bottles filled 9:53-9:55a

Metals

Sediment sample pulled @ 9:58a  
description:

ditto

Mixed @ 10:00am (Lower)  
bottles filled @ 10:01-10:02a

Sampling completed @ 10:03a

Rain started @ 10:15<sup>00</sup>

location of Scheen

area where sampling

table set up 8/23/04

between sample locations  
3a4

30 feet x 40 feet (paved  
off)

~~off~~ Scheen is silvery

translucent

Sheehan & Schmidt 8/25/04

Samples given to  
Doc Thompson 11/0/25

Left site @ 11:20a

*[Handwritten signature]*

Jan Palumbo

8/30/04

7:00 AM Arrived at site  
Tide all the way in.  
Will wait for tide to recede.

Shawn - EPA

Jan "

Jen "

Margo "

Martha "

John - Geomatrix.

Weather - overcast. Wind  $\leftarrow$  5 mph

Temp 68°F.

John left site to get boots.

7:30 Rene arrived

7:45 Pete Wald arrived

8:00 Set up. Decided to start with SHOG

Martha will measure field parameters

ptt

Temp.

Conductivity

Turbidity

DO

Salinity

Jan Palumbo 8/30/04

8:15 GPS Test at SH06 - Rene + Jen  
 BO82418A  
 new # P083015A after 120 sec. logging

8:25

Began sampling at SH06 - Shawn

GPS at SH05 - Rene + Jen  
 P083015-B

8:30

SH06 - Began pumping. Silt + sand coming up. Replaced sampler + cleaned it + will try another location 20' away.

8:35 Second location pumped. Did not clear. Cleaned sampler again. Try a 3<sup>rd</sup> location 2' away.

8:40 Pump 3<sup>rd</sup> location. Cleaned up after 30 seconds. Took water for field parameters.

8:45 Began sampling / billing ~~the~~ bottles  
 SH06 (04364256) <sup>VOCs</sup>

8:45 Jan Palumbo 8/30/04  
 Field Parameters Measured - Mar. Pr  
 for SH06

pH 6.65

Conductivity 21.2 mS/cm

turbidity 144 ntu

DO 8.79 mg/L

temp 19.3 °C

salinity 1.27 ‰

8:55 Began billing metals bottles <sup>VOCs</sup> ~~VOCs~~

9:00 Gabe John 3 small bottles - 1

large bottle for metals

9:00 Battery dead. Changed battery

9:05 Began billing 5 VOCs bottles

9:12 - Took river sample for field parameters. Taken from location of SH07, still under water. Near seeps, 3' from riprap.

9:15 Measured field parameters - river

pH 7.27 / 7.28

cond. 13.4 mS/cm

turbidity ~~359~~ 359.9 ntu

DO 4.80 mg/L

temp 18.1 °C

salinity 0.77 ‰

Jan Palumbo 8/30/04

9:25 stopped pumping to allow pump to cool down.

GPS SH07 No reading

9:33 Began filling last 2 VOC bottles from SH06

9:42 finished SH06

9:55 (04364253)

Moved to SH05. started pumping  
Water cleared in < 15 sec.

Took water for field parameters

9:57 Began filling for VOCs

10:00 Began filling metals

10:00 Field parameters - Metals - for SH05

pH	6.92
conduct	19.3 <del>ms/cm</del> ms/cm
turbidity	174 ntu
DO	9.2 mg/L
temp	19.0 °C
salinity	1.15 ‰

10:05 Gave John 3 VOC's + 1 metals bottle.

Jan Palumbo 8/30/04

Reve noticed "something funny" near SH01 location. Suggested making sample water. oily sheen  
10:07 started sampling SVOCs

GPS #'s

SH-01 P083016-M  
 SH-02 P083016-L  
 SH-03 P083016-K  
 SH-04 P083016-J

next job to track P083016-I

SH-05 P083015-B (also on p.28)  
 SH-07 P083017-A  
 SH-08 P083017-B

cannot get to SH09

SH06 P083015-A (on p.28)  
 SH09 P083017-C

10:15 stopped to cool pump. changed  
 10:20 resumed pumping  
 10:22 finished SH05.



Jan Palumbo 8/30/04

10:30 started. cleared immediately  
 5H-07 04364257  
 Marthe put in sampler

10:32 started VOCs

bubbling - reacting w/ HCl -  
 when going into bl. r.

10:35

Field parameters for 5H-07

salinity 1.83 to first time -

pH 6.70

cond. 29.4  $\mu$ S/cm

turbidity 147 ntu

DO 9.45 mg/L

temp 18.6°C

salinity 1.842 second time

Rene measured field parameters

Vapor given off from VOC  
 samples at 5H-07

10:40 - began sampling SVOCs

gave John 3 VOCs + 1 metals samples

10:48 finished 5H-07

Jan Palumbo 8/30/04

5H-08 104364258

11:00 Began pumping - Torke field  
 parameters

Sun coming out

11:03 Field parameters for 5H-08

pH 7.32

cond. 26.9  $\mu$ S/cm

turbidity 181 ntu

DO 9.52 mg/L

temp 18.2°C

salinity 1.65  $\mu$ S/cm

11:03 began VOCs

11:10 began SVOCs

11:15 gave John 3 VOCs + 1 metals  
 sample

11:15 finished 5H-08

Jan Palumbo / Jen Fitchorn 8/30/04

11:30 started pumping SH09  
took field parameters

11:32 started VOCs

11:35 field parameters for SH09

pH 7.08  
cond. 32.2 mS/cm  
turb 138 ntu  
DO 9.23 mg/l  
temp 18.3°C  
salinity 2.02‰

11:42 Martha Lentz left site

11:43 Started SVOCS

11:52 Finished SH09

Gave John 3 VOCs + 1 metal sample

11:58 - Took blanks

Equip ment Blank

Decan 1 " "

" 2 " "

" 3 " "

1:00 LEFT SITE

Shawn Semler / Santalumbo 35

8/31/04 8:15 Rene 9:00

Shawn  
Jan

Jen  
Shawn

Margo

John -

Pete - stopped in 8:30-845

setup on beach 9:41am

Decon a (used auto calibration)

Calibrating U-10 Water Quality

Rene + Jan 9:50am - 9:52am

SH-1 off set from Flag

~20 feet to North

10amp start 10:04 field parameter

Field Parameters: (0436.4250)

pH 6.4

cond 21.1 mS/cm

turb 71 ntu

DO 8.77 mg/l

temp 20.9°C

sal 1.27‰

Lucho Schmidt 8/31/04

Bottles for Consultant

10:07 - 10:28a

Bottles filled between 10:05a -  
finished by 10:25am or

SH-2 (0436-4251)

Field Parameters 10:40a

strong sulfur smell  
slight green in water

Field Parameters Jan/Margd

ph 7.26

cond. 27.8 ms/cm

turb. 85 ntu

DO 8.38 mg/l

temp 21.4°C

salinity 1.72‰

500 ml took 3 minutes to fill

stopped 10:53a due to drill

heating up - 11:03a started again  
completed 11:22am

Lucho Schmidt 8/31/04

SH-3 moved fleet to

west of Flag Need to restart  
as probe bent (0436-4252)  
probe set 11:45am NO

water went tubes

11:45am began filling

Parameter bottle  
field parameters:

ph 6.66

cond. 30.3 ms/cm

turb 93 ntu

SH-13

DO 9.32 mg/l

temp 21.1°C

salinity 1.89‰

0436-4253

River water sample - Rene - 11:55 AM

ph 7.23

cond 3.46 ms/cm

turb 19 ntu

DO 6.3 mg/l

temp 19.7°C

sal 0.17‰

Sample bottles filled 11:50 am  
finished 12:20

Sheehan Schmitt 8/31/04

SH-4 0436-4254

primeter sample 12:34 - 12:36

Field parameters:

pH 7.00

and 28.2 m/s/cm

turb 98 ntu

DO 8.72 mg/l

temp 21.6°C

salinity 1.75‰

Sampler probe broke 12:40

reset new 12:45 but

water flow low

took all VDC's at this location

12:50 Mole probe west about

12 feet to get more

water 1:15 finished

Removed equipment from

beach 1:35

Left site at 2:00 PM