

Location Roanoke Pigeon - JLS Date 5/26/20  
 Project / Client JLS 0519829

9:30 @ boat launch, tailgate HBS

⊙ vessel inspection. Storms moving in,  
 delaying launch.

ICON - Guff & Dylan

HET - Aaron Garcia

Sutton Towing driving boat - Troy & Rocky

11:00 depart launch

11:30 arrive @ canal slip near JLS #1

JLS-01 15 R 653711 3321674

depth: 15'

⊙ 11:35 f. w

interval	time	PID	EC	HET (sph.)
0-2'	12:10	2.2	11.29	X
2-4'	12:15	3.4	17.64	X
4-5'	12:20	3.4	<del>16.00</del> OR (220) X	

JLS-02 15 R 653694 3321816

depth: 12'

⊙ 11:47-12:53 E, W, E, NE, SW

interval	time	PID	EC	ERM/HET (sph.)
0-2'	13:20	1.5	4.56	X X
2-4'	13:25	3.9	9.86	X X
4-5'	13:30	55.2	13.58	X X

dark gray MUCK/CLAY, same pool

Location Roanoke Pigeon - JLS Date 5/26/20  
 Project / Client JLS - 0519829

JLS-3 15 R 653196 3321810

depth 8"

⊙ ~~13:52~~ f. N wrong location

⊙ 14:12 tried to sample, no

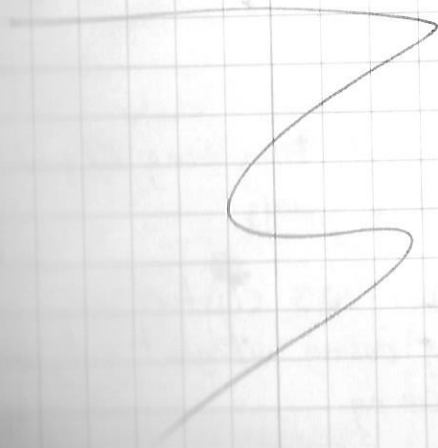
⊙ 14:24 f. E sampling spot

depth	time	PID	EC
0-2'	14:30	0.5	1.32

silty CLAY, gray

ICON going north to area w/ tank  
 battery. HET splitting samples

16:45 back @ landing



h





Location \_\_\_\_\_

Date 7/29/20Project / Client JLS

JLS-10 cont.

12-16 12-14 PEAT, brown, wet, EC: 1.43

4/4' 14-15.2 peaty CLAY, gray, soft, moist

15.2-16 PEAT, some wood, v. dk brown, wet  
spongy, EC: 1.62

13:40 bag JLS-10 (12-14) ICON well bag each 2'

13:45 bag JLS-10 (14-16) 3 split samples @ end.

16-20' 16-16.9' SAA EC: 1.60

3/4' 16.9-19' silty CLAY, gray, soft EC: 1.65

20-24 20-23 SAA, EC: 1.85

3.8/4.0' 23-23.8 clayey SILT, wet, gray  
EC: 1.57

24-28' 24-27 sandy SILT, saturated, gray EC: 1.4

4/4' 27-28 clayey SILT, gray, some sand  
EC: 1.78

28-32 28-30.1 SAA EC: 1.71

4/4' 30.1-32 SILT, saturated, gray  
EC: 0.94

Location \_\_\_\_\_

Date 7/29/20

Project / Client \_\_\_\_\_

Scale \_\_\_\_\_

JLS-10

EC: 1.33

32-36' 32-33' silty CLAY, gray, moist,

33-36' CLAY, gray, firm, damp

end bore hole @ 36' EC: 1.55

set screen 26-36'

temp well, no

splitting samples

JLS-10 (12-14)

time

13:40

(20-22)

14:00

(34-36)

15:25

no split JLS-10 (24-26)

16:30 depart site

17:00



Location \_\_\_\_\_

Date 7/30/20

Project / Client JLS

7:45 @ launch

8:30 depart launch

Chris Young on-site (ERM) same crew as  
7/29/20

9:15 @ JLS-10 to water sampl

DTW: 9.64 TD: 42.64 startup: 6.72

time	gal	cond	TDS	ORP	pH	Temp	turb
9:30	0	2045 $\mu$	1468	107	6.66	25.9	92
9:36	0.5	2025	1462	-7	6.32	24.1	53
9:51	1	2083	1502	-61	6.40	26.3	87
10:11	15	2094	1508	-85	6.69	27.5	9
10:47	2	2070	1488	-101	7.01	27.5	9

10:55 collect JLS-10, no radium collected  
Pulled well & grouted hole.

Location \_\_\_\_\_

Date \_\_\_\_\_

Project / Client \_\_\_\_\_

Scale \_\_\_\_\_

JLS-11 15 R 653693 332794<sup>cu</sup>  
 0-4 Clay, gray-Brown, damp, stiff, firm  
 (0.6/4) peat lense at 0.3' (Black)  
 (1/4) EC: 5.46  
 4-8' Clay, gray, damp, firm<sup>cu</sup> med. Soft  
 (0.7/4) EC: 10.28  
 8-12' Clay, dark-gray, damp, soft  
 (0.6/4) EC: 16.14  
 12-16 No Recovery  
 (0/4)  
 16-20 No Recovery  
 (0/4)  
 20-24 Clay, gray, moist, soft to v. soft,  
 (1/4) EC: OR  
 24-28 0-0.8' Silty-clay, dark gray, sat  
 (1.6/4) v. soft EC: OR  
 0.8-1.6' Clay, dark-gray, moist, soft  
 EC: OR  
 28-32 Silt, dark-gray, wet (sat)  
 (2.3/4) Very Soft.  
 1.7-2.3 Total saturated. EC: OR  
 Setting 5' Screen 27'-32'



Location \_\_\_\_\_ Date 7/30/20Project / Client JLS

depth (ft)	PIB
30-32	0
28-30	0
24-28	0.2
20-24	0.4
16-20	0.2
12-16	0.4
8-12	0.3

no samples split because of low volume

DTW: 12.05 TD: 37.2 straddles 5'

begin developing JLS-11

time	gal	cond	TDS	ORP	pH	temp	turb
16:07	0	78.31ms	105.2	-84	6.38	26.1	OR
16:12	0.5	79.74	107.1	-72	6.29	25.3	58
16:18	1	81.11	106.9	-65	6.20	25.9	18
16:30	1.75	80.66	108.5	-61	6.15	24.7	24

16:35 Sample Taken: Rads, Included

17:30 off site

Location \_\_\_\_\_ Date 7/31/20Project / Client JLS

Scale \_\_\_\_\_

7:45 @ landing, some crew as 7/30/20 but no  
Chris Young

8:30 depart landing

9:00 back @ JLS-11 well location  
DTW: 7.73

ICON placed transducer in well to 30' w/  
tubing to pump out well

10:28 begin logging

10:30 pump on. flow rate 42 seconds / 1 cup

10:34 well going dry, bubbles in line

10:36 pump off

11:16 DTW: 7.82

11:17 pump on

11:20 dry, pump off

11:52 log off: 7.88

12:00 begin pulling casing to PA JLS-11

13:00 back @ landing

Rate in the Rain



Location JLS Date 8/3/20  
Project / Client 0519829  
Sunny, hot, 80°

0800 At Pigeon boat landing  
0845 Todd Webb w/ HAT  
@ landing, Boat - Setson  
Towing @ landing Troy Holst

0900 Icon on site w/  
Air boat Specialist

- 1) Katie Cummins
- 2) Andrew Christ
- 3) Dylan White
- 4) Bruce ? Air boat
- 5) Jake } Specialists

1000 Leave boat landing.  
1030 Icon @ area of next  
location, unj, mid boat  
to clear out

1115 Icon setting up @ JR  
JLS-12

1137 Photo 1: JLS-12 location (SW)  
@ ISR 0653 4/4  
33216 4/6

1155 Photo 2: JLS-12 0-4' bgs (SW)  
bag 0-4' (1155)

1200 Photo 3: JLS-12 4-8' bgs (SW)  
bag 4-8' (1200)  
Meet Charles lunch 8/3/20

Location JLS Date 8/3/20  
Project / Client 0519829

Scale

1205 Photo 3: JLS-12 8-12' bgs (SW)  
bag 8-12' (1205)

1206 No Recovery JLS 12-16'

1210 Photo 4: JLS-12 <sup>16-20'</sup> bgs (SW)  
bag 20-22' (1210) 22-24' (1210) 24-26' (1210) 26-28' (1210)  
(No Recovery for JLS-12 ~~28-32'~~)

1212 No Recovery 24-28' bgs

1214 No Recovery 28-32' bgs

No Recovery 32-36' bgs.  
Icon to grout boring @  
JLS-12 and move over

1330 1st boring @ JLS-12 grouted  
~ 12 gals

1420 Icon moved ris ~ 3' North,  
will repush hole, rebg No  
0-4' Gray clay 1.1/4.0 <sup>Recovery</sup>  
Icon to add soil to on / <sub>intervals</sub>  
earlier sample

4-8' Gray clay 1.3/4.0

8-12' No recovery

12-16' No recovery

1445 Photo 5: JLS-12 16-20' bgs (S)  
bag 16-20' (1445)

Meet Charles lunch 8/3/20



Sunny, hot, 90's

1447 JLS-12 20-24' repush  
Gray Clay, little silt  
117(410) content, wood piece  
@ bottom

1453 Photo 6: JLS-12 24-28' by (SW)  
bag 24-28' (1500)  
repush

1505 Photo 7: JLS-12 28-32' by (SW)  
bag 28-32' (1505)  
repush

JLS-12 32-36' No Recover  
1510 Photo 8: JLS-12 36-40' by (SW)  
bag 36-40' (1510)

1515 Photo 9: JLS-12 40-44' by (SW)  
bag 40-44' (1515)

1520 Photo 10: JLS-12 44-48' by (SW)  
bag 44-48' (1520)

1625 Icon will grout JLS-12,  
No well to be installed

1615 Icon sampling the following  
0-4' (1155)

8-12' (1205) } No splits for  
16-20' 20-22' (1210) } NET  
44-48' (1520)

Met Charles Koch 8/3/20

Sunny, hot, 90's

1620 Icon to grout JLS-12  
with temie pipe, placed inside  
2.25" barrels, barrels to  
be pulled, grout through  
tremie pipe

1625 Heading to dock, will  
confirm grout amount in  
morning.

1650 At Boat Landj, offsite

~~Met Charles Koch 8/3/20~~



Location JLS

Date 8/4/20

Project / Client 0519829

Sunny, warm, 70's

0735 AT boat landing  
 0745 Tobbs Webb w/ HBT @ landing  
 Also Seton towing w/  
 boat - Andre

0800 Icon @ boat landing,

- 1) Katie Cummings
- 2) Dylon White
- 3) Andrew Chutz
- 4) Jake } Airboat
- 5) Bruce } Specialist

0840 Head out from landing

0900 AT JLS-12 location,  
 Icon to prep to

move rig

0931 Icon to move to JLS-  
 ~500' east of JLS-12,  
 Icon using chainsaw to  
 cut trees

1030 Icon unable to get  
 to next location, logs  
 + cypress knees in way  
 will not do location  
 east of JLS-12

@ 653855, 3321690.

Met Charles Tahn 8/4/20

JLS

8/4/20

Project / Client

0519829

Scale

Sunny, hot, 80's

1050 Icon moving to next location  
 SW of JLS-12

1220 Icon back @ boat w/  
 cores, unable to see sampling  
 @ boring due to access issues

1220 Photo 1: JLS-13 0-4' bgs (N)  
 bag 0-4' (1220)

1225 Photo 2: JLS-13 4-8' bgs (N)  
 bag 4-6' (1225) 6-8' (1230)

1235 Photo 3: JLS-13 8-12' bgs (N)  
 bag 8-10' (1235) 10-12' (1240)

No Recovery 12-16' + 16-20' bgs

1245 Photo 4: JLS-13 20-24' bgs (N)  
 bag 20-22' (1245) 22-24' (1250)

1255 Photo 5: JLS-13 24-28' bgs (N)  
 bag 24-26' (1255) 26-28' (1300)

1305 Photo 6: JLS-13 28-32' bgs (N)  
 bag 28-30' (1305) 30-32' (1310)

1350 Photo 7: JLS-13 32-36' bgs (N)  
 bag 32-34' (1350) 34-36' (1355)

1400 Photo 8: JLS-13 36-40' bgs (N)  
 bag 36-38' (1400) 38-40' (1405)

1410 Photo 9: JLS-13 40-44' bgs (N)  
 bag 40-42' (1410) 42-44' (1415)

Met Charles Tahn 8/4/20 *After the Rain*



Location JHS

Date 8/4/20

Project / Client 0519829

Sunny, hot, 90's

1420 Photo 1: JHS-13 44-48' bgs (W)  
bag 44-46' (1420) 46-48' (1425)

1435 JHS-13 @  
ISR 0653738  
3:32 1492

1438 Photo 11: JHS-13 location (S)

1439 Photo 12: JHS-13 location (W)

1440 Run PIN

1445 Icon To not set a well @ JHS-13, Icon to grout JHS-13, will pull 2.25" barrels after pultry in tremie pipe then grout.

1550 JHS-13 has been grouted will mob to next location  
Icon runny the following @ JHS-13  
0-4 (1222) } No splits given  
6-8 (1230) }  
10-12 (1240) }  
20-22 (1245) }  
46-48 (1425) split w/ Icon

1635 Icon has r/j @ next location head to landing.

1655 At heady, off site Matt Charles 8/4/20

Location JHS

Date 8/5/20

Project / Client 0519829

Pi Sunny, warm 70's

0730 At boat landing, Todd Webby w/HET @ lunch; also Troy LaSalle w/ Seton

0800 Icon Showing up

- 1) Katie Cummins
- 2) Andrew Chestz
- 3) Dylan White
- 4) Bruce } Airboat
- 5) Jake } Specialist

0838 Head out from landing.

0900 At next location JHS-14

0915 Photo 1: JHS-14

0945 Photo 2: JHS-14 0-4' bgs (W)  
bag 0-2 (0945) 2-4' (0950)

0955 Photo 3: JHS-14 4-8' bgs (W)  
bag 4-8' (0955)

1000 Photo 4: JHS-14 8-12' bgs (W)  
bag 8-12' (1000)  
No Recovery 12-16' bgs

1005 Photo 5: JHS-14 16-20' bgs (W)  
bag 16-20' bgs

1010 Photo 6: JHS-14 20-24' bgs (W)  
bag 20-22 (1010) 22-24' (1015)

Meet Charles Frick 8/5/20 *Rite in the Rain*



JLS

8/5/20

0519829

Sunny hot, 80's

1000 Photo 7: JLS-14 24-28' bgs (w)  
bag 24-26' (1000) 26-28' (1005)

1030 Photo 8: JLS-14 28-32' bgs (w)  
bag 28-30' (1030) 30-32' (1035)

1040 Photo 9: JLS-14 32-36' bgs (w)  
bag 32-34' (1040) 34-36' (1045)

1050 Photo 10: JLS-14 36-40' bgs (w)  
bag 36-38' (1050) 38-40' (1055)

1105 Photo 11: JLS-14 40-44' bgs (w)  
bag 40-44' (1105)

1110 Photo 12: JLS-14 44-48' bgs (w)  
bag 44-48' (1110)

1125 Icon to set Temp Well @  
JLS-14, screen 43-48' bgs  
will pull 2.25" barrels & then  
repush 2.25" barrels w/ point  
to 48 bgs, will install  
3/4" well, screen & then  
pull up 2.25" barrels above  
pic screen, use filter sock w/  
electrical tape

1130 Icon Sample the following

1) 2-4' (0950) 3) 8-12' (1000)

2) 4-6' (0955) 4) 20-22' (1010)

Meet Charles Trach 8/5/20

JLS

8/5/20

0519829

Sunny hot, 80's

JLS-14

5) 44-48' (1110)

6) 40-44' (1105)

No splits for HET except 20-22' bgs  
1208 Installing 3/4" Temp Well w/  
Filter sock

1209 Photo 13: Installing well up  
JLS-14, w/ filter sock  
& electrical tape (w)

1217 Well has been installed  
will let sit for a while

1300 Icon setting up to GW  
Sample @ JLS-14

JLS-14 @ 15R

120 2:00 2:10

TD 53.10

0653059  
3321577

Stickup 5:20

1319 Start Purging JLS-14

Time	pH	SC	Temp	Turb	TDS	ORP	Bal
1320	7.00	1557	29.5	OR	1102	40	0
1328	7.11	1472	27.5	OR	1028	-88	10
1334	7.10	1465	27.4	57	1025	-92	2.0
1340	7.19	1456	25.9	62	1019	-84	3.0
1345	7.13	1458	25.4	12	1021	-91	3.5

Meet Charles Trach 8/5/20



Location JLS Date 8/5/20  
Project / Client 0519829

P. Sunny, hot, 90's

1350 Start sampling JLS-14  
HET to take split from  
Icon

1410 Finish sample JLS-14,  
turbidity went up, Icon filled  
both Total Diss Metals

1415 Icon to do slug test @  
JLS-14, Head @ 4.09

37.03 sec / 250 m

1421 Head @ 3.62' (No slug  
Icon went from  
pump right to  
pump test  
H<sub>2</sub>O not to static)

1426 Head @ 3.60'

1427 37.13 sec / 250 m

1433 36.41 sec / 250 m

Head @ 3.88

1437 34.83 sec / 250 m

Head @ 3.97'

1445 32.12 / 250 m

Head @ 3.97'

1450 34.42 / 250 m

Head @ 3.95'

1455 Head @ 3.90'

33.40 / 250 m

1436 Pump off

~~Mark Charles Fahn~~ 8/5/20

Location JLS Date 8/5/20  
Project / Client 0519829

P. Sunny, hot, 80's

1504 2.74' H<sub>2</sub>O @ JLS-14

1510 Icon to grout JLS-14,  
pull temp well

1615 JLS-14 has been grouted,  
Icon to move to next  
location, head to landy

1645 AT landy, off site

~~Mark Charles Fahn 8/5/20~~



JLS

8/6/20

0519829

Sunny, warm, 70's

0730 At boat landing, Setoon Tower  
onsite w/ boat Troy Lacoste

0735 Todd Webb w/ H&T onsite

0815 Icon onsite

1) Katie Cummins

2) Dylan Whitt

3) Andrew Chustz

4) Brice - <sup>Airboat</sup> <sup>specialists</sup> ~~specialists~~ Jake

leave landy, need to

0858 JLS-15 location

0918 At JLS-15

@ISR 0653080

3321617

0921 Photo 1: JLS-15 (w)

1000 Start soil sample @ JLS-15

1000 Photo 2: JLS-15 0-4' bgs (w)

bag 0-4' (1000)

1005 Photo 3: JLS-15 4-8' bgs (w)

bag 4-6' (1005) 6-8' (1010)

1015 Photo 4: JLS-15 8-12' bgs (w)

bag 8-12' (1015)

1020 Photo 5: JLS-15 12-16' bgs (w)

bag 12-16' (1020)

Met Charles Frach 8/6/20

JLS

8/6/20

0519829

Sunny hot, 80's

1025 Photo 6: JLS-15 16-20' bgs (w)

bag 16-20' (1025)

1030 Photo 7: JLS-15 20-24' bgs (w)

bag 20-22' (1030) 22-24' (1035)

1040 Photo 8: JLS-15 24-28' bgs (w)

bag 24-26' (1040) 26-28' (1045)

1050 Photo 9: JLS-15 28-32' bgs (w)

bag 28-30' (1050) 30-32' (1055)

1100 Photo 10: JLS-15 32-36' bgs (w)

bag 32-34' (1100) 34-36' (1105)

1110 Photo 11: JLS-15 36-40' bgs (w)

bag 36-38' (1110) 38-40' (1115)

1120 Photo 12: JLS-15 40-44' bgs (w)

bag 40-42' (1120) 42-44' (1125)

1130 Photo 13: JLS-15 44-48' bgs (w)

bag 44-46' (1130) 46-48' (1135)

1140 Icon will not set well

No zone, will grow badly

@ JLS-15

1147 Icon pretty tremie pipe inside

2.25" barrels, will then pull

2.25" barrels and then grow

w/ tremie pipe

1153 Run P50 on JLS-15

Met Charles Frach 8/6/20



Location JLS Date 8/6/20  
Project / Client 0519829

Sunny, hot, 90's

- 1210 Icon sampling the following JLS-15
  - 0-4 (1000)
  - 8-12 (1015)
  - 12-16 (1020)
  - 24-26 (1040) - HET split
  - 44-46 (1130) - HET split
  - 46-48 (1135) - HET split

} No split

1240 JLS-15 has been grouted, will move to next location @ JLS-16

1430 At JLS-16  
@ ISR 0653103 } location moved  
3321732 }

1457 Photo 14: JLS-16 location (w)  
~~1500~~ Photo 15: JLS-16 0-4' bgs (w)  
bag 0-4' (1500)

~~1505~~ Photo 16: JLS-16 4-8' bgs (w)  
bag 4-6' (1505) 6-8' (1510)  
Not logged, Icon has refusal @ ~ 9' bgs, will move

1534 Icon grouted boring @ JLS-16 (1<sup>st</sup> location)

1610 At new location for JLS-16 @ ISR 0653600  
3321820  
Meet Charles Trach

Location JLS Date 8/6/20<sup>25</sup>  
Project / Client 0519829

Sunny, hot, 90's

1620 Photo 16: JLS-16 2<sup>nd</sup> location (w)

1630 Photo 17: JLS-16 0-4' bgs (w)  
bag 0-4' (1630)

1635 Photo 18: JLS-16 4-8' bgs (w)  
bag 4-6' (1635) 6-8' (1640)

No Recovery 8-12' bgs

No Recovery 12-16' bgs

No Recovery 16-20' bgs

1645 Photo 19: JLS-16 20-24' bgs (w)  
bag 20-24' (1645)

1650 Photo 20: JLS-16 24-28' bgs (w)  
bag 24-28' (1650)

1655 Photo 21: JLS-16 28-32' bgs (w)  
bag 28-32' (1655)

No Recovery 32-36' bgs

1700 Photo 22: JLS-16 36-40' bgs (w)  
bag 36-40' (1700)

No Recovery 40-44' bgs

No Recovery 44-48' bgs

1730 Icon has stop probing @ JLS-16 48' bgs  
Meet Charles Trach 8/6/20

Note in the Rain



JLS

8/6/20

0519829

Sunny, hot, 80's

1740 Icon unsure about sunny samples @ JLS-16, will need to call office to discuss

1745 Head to landing

1805 At landing, off site Icon plans on gravity in morning

JLS-16

Samples / No RTD

4-6' (1633)

6-8' (1640)

24-28' (1650)

36-40' (1700)

0-4' (1630)

No split for HET

~~Work @ Charles Trach 8/6/20~~

JLS

8/7/20

0519829

Sunny, warm, 70's

0730 At boat landing, Todd Webb w/ HET @ landing, also set on towing w/ boat - Troy Calaste

0800 Icon on site

1) Katie Cummins

2) Dylan White

3) Andrew Chustz

4) Bryce } Airboat

5) Jake } specialist

0832 Head to JLS-16 to greet

0850 At JLS-16, Icon to greet tremie pipe, put inside, plas barrel and then pulled

1030 Icon has grouted JLS-16, will move to next location

1125 At JLS-17 location

1128 Photo 1: JLS-17 location (SW)

1150 Photo 2: JLS-17 0-4' by S (N)

bag 0-4' (1150)

1155 Photo 3: JLS-17 4-8' by S (N)

bag 4-8' (1155)

1200 Photo 4: JLS-17 8-12' by S (N)

bag 8-12' (1200)

Work @ Charles Trach 8/7/20



Location JLS Date 8/7/20  
Project / Client 0519829

P. Cloudy, hot, 80's

- 1205 Photos: JLS-17 12-16 bgs (N)  
bag 12-16' (1205)
- 1210 Photo 6: JLS-17 16-20' bgs (N)  
bag 16-18 (1210) 18-20 (1215)
- 1220 Photo 7: JLS-17 20-24 bgs (N)  
bag ~~20-22~~ 20-22' (1220) 22-24' (1225)
- 1230 Photo 8: JLS-17 24-28' bgs (N)  
bag 24-26' (1230) 26-28' (1235)
- 1240 Photo 9: JLS-17 28-32' bgs (N)  
bag 28-30' (1240) 30-32' (1245)
- 1250 Photo 10: JLS-17 32-36' bgs (N)  
bag 32-34' (1250) 34-36' (1255)
- 1300 Photo 11: JLS-17 36-40' bgs (N)  
bag 36-38' (1300) 38-40' (1305)
- 1310 Photo 12: JLS-17 40-44' bgs (N)  
bag 40-42' (1310) 42-44' (1315)
- 1320 Photo 13: JLS-17 44-48' bgs (N)  
bag 44-46' (1320) 46-48' (1325)

Icon to set well @  
43-48' bgs, Temp Well  
Icon to pull 2.25" barrels,  
re push 2.25" w/ point  
then install 3/4" PVC well  
w/ filter sock / electrical tape

Robert Charles Tran 8/7/20

Location JLS Date 8/7/20  
Project / Client 0519829

P. Cloudy, hot, 90's

- Scale \_\_\_\_\_
- 1335 Icon Sample the following  
@ JLS-17
- 1) 0-4' (1150)
  - 2) 4-8' (1155) } No split
  - 3) 12-16 (1205) }
  - 4) 24-26 (1230) } split
  - 5) 40-42 (1310) } w/
  - 6) 46-48 (1325) } HET

1423 Installing Temp Well  
1424 Photo 14: Install Temp. well  
w/ filter sock & electrical  
tape (S w)

1435 PVC well @ JLS-17  
2.25" barrels pulled above  
screen

1442 JLS-17  
H<sub>2</sub>O 3.34'  
TD 52.65'  
Stickup 5.19'

1452 Start Pumping JLS-17

Time	pH	SC	Temp	Turb	TDS	ORP	Gal
1453	7.48	1588	30.9	OR	1097	46	0
1502	7.45	1574	25.5	OR	1112	-13	1
1507	7.36	1577	24.9	50	1117	-47	2
1514	7.14	1587	23.1	30	1115	-92	3

Robert Charles Tran 8/7/20



Location JLS Date 8/7/20

Project / Client OS19829  
P. Sunny Mt, 90's

JLS-17

Time	pH	SC	Temp	Turb	TOS	ORP	Gal
1517	7.10	1586	22.8	25	1117	-92	3.5

1525 Start sample JLS-17  
Icon w/ HET taking split

1545 Finish sample JLS-17  
Icon to pull Temp

Icon to pull Temp  
Diss. Metals Well + grout boring.

1548 JLS-17/D  
15R 065337  
3321390

1555 Icon to grout boring  
& then decont, head)

to landing  
1620 At hardy, offsite

~~Mr Charles Rich~~

Location \_\_\_\_\_ Date \_\_\_\_\_

Project / Client \_\_\_\_\_

Scale \_\_\_\_\_

~~Mr Charles Rich 8/7/20~~



Bayou Pigeon 014665  
Location Field, Thruville Parish, LA Date 9/8/20

Project / Client Jeanette Lumber / Conoco Phillips  
Guy Guinet (0519829) Page 1 of 4

Weather: Clear / Hot, 80's  
Scope: Oversight of ICON GEM survey  
and soil/sediment sampling

0930 ERM on-site: Guy Guinet  
HET on-site: Todd Webb

0935 TGS and SHA review

1020 Loaded boat

1120 ICON on-site; Mike Mills and  
Arrow Schutts.

1125 ICON launched boats

1130 Mob to well 9129

1150 Arrive @ well 9129 near  
JLS-11 & well SN: 70817

1200 Mike Mills (ICON) began GEM  
survey ~~in channel~~ ~~near well~~  
SN 70817.

Gy Gy 9/8/20



Bayou Pigeon 0114655 Field  
 Location Iberville Parish, LA Date 9/8/20

Project / Client Scenerette Lumbert / Conoco Phillips

Guy Guinet

Page 2 of 4

1210 ICON Began first soil boring installation  
 via hand auger. (SLS-21) <sup>AP6 9/8/20</sup> 0-2  
 + 9 ft N 30.01602° W 091.40617 <sup>715120</sup> 2-4  
 TD = 4 ft bgs.

1235 ICON completed installation of first  
 soil boring. (SLS-21) <sup>Water Depth</sup> TD = 2 feet.  
<sup>AP6 9/8/20</sup>

1240 ERM split SLS-21 samples with <sup>AP6 9/8/20</sup>  
 ICON: SLS-21(0-2) and ~~SLS-21(2-4)~~  
 ICON: Full set: Metals, Salts, <sup>TPH</sup> DROG, no oil & Grease  
 29B <sup>ORO</sup> Percent moisture, no EC pen.

Note: Russian sampler for 0-2 ft sampler and  
 hand auger for 2-4 ft sample.

1245 ERM split SLS-21(2-4). Same  
 parameter list as 0-2 sample.

Note: ① HET split samples @ SLS-21.

② ICON stated that Oil and Grease  
 will not be analyzed due to no  
 field observations indicating the requirement.

③ Soil stratigraphy 0-2 and 2-4: Dark  
 brown to black, wet, silty clay.

Gr Gr 9/8/20

Bayou Pigeon 0114655 Field  
 Location Iberville Parish, LA Date 9/8/20

Project / Client Scenerette Lumbert / Conoco Phillips

Guy Guinet

Page 3 of 4

1300 Mob to second soil boring location

1305 Began second soil boring installation  
 via hand auger and russian sampler.  
 SLS-22 <sup>Water Depth</sup> TD = 2.5 ft TD = 4 ft bgs  
 + 9 ft N 30.01697° W 91.40669 <sup>AP6 9/8/20</sup>

Note: ERM split SLS-22 w/ICON.

1330 ERM split SLS-22(0-2)

1335 ERM split SLS-22(2-4)

Note: ① Analyzing samples for same  
 parameters as SLS-21.

② HET split samples

③ Soil stratigraphy: 0-2 and 2-4:  
 Dark brown to black, wet, clay.

1415 ICON began third soil boring  
 installation via hand auger and  
 russian sampler.

SLS-23 <sup>Water Depth</sup> TD = 4 ft TD = 4 ft bgs  
 + 9 ft N 653640 <sup>AP6 9/8/20</sup> W 3321805 UTM

AP6 9/8/20

Gr Gr 9/8/20

Rite in the Rain







Location Pigeon Landing Boat Launch Date 11/19/20

Project / Client Jeanerette Lumber Property

Iberis Parish AOI - 2 0519829

830 Arrive at Pigeon Landing Public  
boat dock.Aaron Jones, Patrick Ritchie  
Angela Leart, Kellen Connolly  
& I on Doyle Stovells boat.  
Roy talking additional prop-hon.

Second  
boat.

Aaron conducting safety meeting  
Sony 1 cool this AM ~60°F to  
be ~75°F.

~900 Leaving dock, heading to Jeanerette  
Lumber property.

0930 At JLS-1 area. AOI-2

0935 P# 1 of south end of canal  
from JLS-1 area looking N.

P# 2 " " "

" " " looking N ~~west~~.955 P# 3, 4 + 5 of Icon  
proposed remediation area looking W  
SW + S.P# 6 of Tupelo tree in Icon  
remediation area, looking SW.

Dan A. G. 11/19/20

Location Pigeon Landing Boat Launch Date 11/19/20

Project / Client Jeanerette Lumber Property

AOI-2 0519829

1010 P# 7, 8 + 9 looking S, E + NE  
of Icon remediation area.1018 P# 10 + 11 of Icon remediation  
area looking E + N.

1020 P# 12 + 13 of camp looking west

1022 P# 14 + 15 of proposed ERM  
MW location ~4' water depth  
~25' off bank looking west.1030 P# 16 Icon JLS-11 looking  
looking east. Can see grant on  
ground.1035 P# 17, 18 + 19 looking North, West  
& South at Icon proposed  
remediation area around JLS-2P# 20<sup>\*21</sup> of Icon remediation area  
looking W + NW from location south  
of JLS-02 and along southern  
edge of Icon proposed  
remediation area.P# 22 + 23 of area just east  
of Icon remediation area, looking  
east and south.

Dan A. G. 11/19/20 the Rain



Location Pigeon Landing Boat Launch Date 11/19/20

Project / Client Jencrath Lumber

Water depth ~4' AOI-2 0519829

- 1100 Ⓟ = 24 + 25 looking NE + NW at ERM ~~Iron~~ proposed well location area.
- 1107 Ⓟ = 26 of looking toward JLS-13 looking SE. could not go further in boat
- 1113 Ⓟ = 27 + 28 of proposed ERM well water location area ~5' of water looking <sup>too shallow</sup> north.
- 1117 Ⓟ = 29 + 30 of JLS-10 to area looking E + SE Just south of
- 1124 Ⓟ = 31 + 32 of JLS-3 area looking E + S Iron proposing at remediation nearby
- 1127 Ⓟ = 33 of JLS-3 area looking north Iron Portion
- 1135 Ⓟ 34 of remediation area on east side of Little Bayou Pigeon looking E
- Ⓟ = 35 of Iron remediation area <sup>area portion</sup> west side of Little Bayou Pigeon, looking West
- 1137 Ⓟ = 36 of JLS-15 Iron remediation area looking West on west side of Little Bayou
- Ⓟ = 37 " " " "
- 1142 Ⓟ Looking east on east side of Bayou

Location Pigeon Landing Boat Launch Date 11/19/20

Project / Client Jencrath Lumber

AOI-2

0519829

- 1147 Ⓟ = 38, 39 + 40 looking NE, E + South of Iron remediation area on east side of Little Bayou Pigeon. Note standing water in area and cypress trees.
- 1157 Ⓟ = 41 + 42 of entrance of canal to AOI 2 area looking east.
- 1200 Heading back to dock.
- 1220 Back at dock. Note water level is low in canals + bays today, appears to be at least up to ~6' lower based on water marks on trees + previous water depth information collected during previous investigation activities.

Dan A. Gs

11/19/20  
Wet in the Rain



JLS

2/1/21

0519829

SUNNY, Cool, 50's

- 1005 At boat loading.  
 Aaron Jones w/ERM onsite  
 Also TB Smith crew w/boat  
 1) Gary Guidry  
 2) Clayton Theriot  
 3) Dean Feals
- 1045 Held tailgate Safety meeting  
 w/ T.B. Smith
- 1100 Waiting on Zealous +  
 boat
- 1205 Zealous @ landing  
 1) Mitch Stelly  
 2) Randy Jacobson  
 tailgate Safety meeting
- 1220 Head out to JLS
- 1250 At JLS location, TBS  
 to start survey work
- 1256 Photo 1: TBS survey boat (NE)
- 1315 All 5 locations marked  
 TBS now doing clearing  
 for lines
- 1325 Photo 2: TBS running under  
 water survey (NE)
- Matt Chulstrah 2/1/21

JLS

2/1/21

0519829

SUNNY, Cool, 50's

- 1329 Photo 3: TBS running under water  
 survey (SW)
- Andrew Chulstrah onsite
- 1405 TBS has put out bamboo  
 @ spots - <sup>possible</sup> metal objects
- 1515 TBS informed that no flow  
 lines found, cane poles mark  
 possible metal debris, two  
 cane poles w/ flagging (not at  
 sample well locations) maybe  
 possible metal casing @ well
- 1530 Head to landing, TBS  
 to take soundings @ ~ every  
 1/8 mile in
- 1615 At landing TBS says avg.  
 of 10-11' of water back to  
 dock, went over findings  
 @ locations, all good + w/ well  
 sample location, except @ cane  
 poles w/ multiple flag colors
- 1630 Leave boat landing
- ~~Matt Chulstrah 2/1/21~~
- Rite in the Rain*



Location JLS Date 2/2/21

Project / Client 0519829

P. Cloudy, Cold, 130's

0730 At boat landing

0735 Aaron Jones w/ ERM

@ landing - Also Tobias

Boat; Norris Wiltz

Prep equipment / jars

0815 Safety meeting

0900 Head out

0920 At JLS-23 location

Need 0-2' + 2-4'

SPL P Bc

Andrew Chust 2 - Tom

SPL P AS

Todd Webb - HET

TOC

0925 Photo 1: JLS-23 location (w)

~ 2' of water

0-2' Clay gray => Photo 2:

- No odor soft, moist, little silt

Some organic material, rootlets

0945 Sample 0-2' (JLS-23 0-2')

sample for SPLS Bc, AS

TOC 3-40%

split w/ Icon 1-802

(may also run TPH 0&0)

~~At Charles Trach 2/2/21~~

Location JLS Date 2/2/21

Project / Client 0519829

P. Cloudy, Cold, 130's

1010 JLS-23 (unable to get deeper, good clay) 2-3.5'

Clay, gray, med, soft, moist  
No odor, organic material, rootlets  
wood pieces & 3 bjs

1015 Sample JLS-23 2-3.5'  
for SPL Bc, AS, TOC

split w/ Icon

1030 At MW-2  
Need 0-2' + 2-4' for

1) Total Bc, AS

2) EPH / VPH

3) PAH (extract + hold)

1037 will not be able to use Russian Post Core Sampler (RPS) @ MW-2, too hard, unable to get depths needed

1045 No sample @ MW-3, due to hard material

1050 NO sample @ JLS-2, due to hard material + deep water

1055 NO sample @ JLS-1, due to hard material, need to party

1000 @ site  
At Charles Trach 2/2/21



JLS

2/3/21

0519829

Sunny, Cool, 40's

- 0730 At boat landing.  
 Dave Angelo w/ ERM  
 Norris Wiltz w/ Rebus  
 + boat
- 0800 Walker Hill on site  
 1) Dennis Herrera  
 2) Jack Womble  
 3) Mike Marlin  
 4) Damon McQueen  
 Also Aaron Jones w/ ERM  
 Todd Webb w/ H&I  
 Andrew Chustz w/ Tom
- 0800 Safety meeting / HASP + JHA
- 0900 Head to location
- 0930 At location @ tug/burp  
 discuss plans to get  
 JLS-2
- 0937 Photo 1: JLS-2 location (S)
- 0938 Photo 2: JLS-2 location (S)
- 0954 At JLS-2  
 deck to water 5.6'  
 deck to mudline 11.8'  
 water depth 6.2'

Robert Charles Trish 2/3/21

JLS

2/3/21

0519829

Sunny, Cool, 50's

- 1020 3.25" ~ 21" into mud line  
 will take 0-2' w/ RPB
- 1030 No recovery 2-4' bml, also  
 lost hard cap hammer cap
- 1035 No recovery 4-8' bml
- 1045 No recovery 8-12' bml (little  
 peat)
- 1055 No recovery 12-16' bml (little  
 much peat)
- 1105 No recovery 16-20' bml
- 1116 Photo 3: JLS-2 20-24' bml (S)
- 1125 Photo 4: JLS-2 24-28' bml (S)
- 1135 Photo 5: JLS-2 28-32' bml (S)
- 1140 Photo 6: JLS-2 32-36' bml (S)
- 1146 Photo 7: JLS-2 36-40' bml (S)
- 1155 Photo 8: JLS-2 40-44' bml (S)
- 1200 Photo 9: JLS-2 44-48' bml (S)
- 1208 Photo 10: JLS-2 48-~~52~~  
 50' bml (S)
- 1225 Photo 11: JLS-2 50-54' bml (S)
- 1235 Photo 12: JLS-2 52-54' bml (S)
- 1315 Photo 13: JLS-2 54-56' bml (S)  
 Sample stuck in barrel, hit w/  
 hammer, lay out on trash bag.  
 Total depth @ JLS-2 (56 bml)

Robert Charles Trish 2/3/21



Location JLS Date 2/3/21

Project / Client 0519829

Sunny, Mild, hot

1335 Photo 14: JLS-2 34-50' bml (E)  
no recovery 0-20' bml, 20-41' bml  
↳ not in photo

1340 Sample JLS-2 43-44' for  
Grain Size / Soil Classification  
(Gray clay)

1345 Run PID  
Empty bag 6.3 ppm  
Took JLS-2 43-44' bml for  
Grain Size / Soil Classification  
(1340)  
Took JLS-2 42-43' bml for  
Archive

1427 WH back w/ equipment to  
grout well grout

1355 Photo 15: Set up 1 to grout  
@ JLS-2 (E)

1306 Start grout @ JLS-2, <sup>mass</sup> pump  
inside 3.25" w/ tubing  
catch discharge in bucket

1358 Photo 16: Grout set up @  
JLS-2 (W)

1555 Grout to mud land  
~ 2.5 hrs of Portland, ~ 25 gal of grout  
Met Charles Van 2/3/21

Location JLS Date 2/3/21

Project / Client 0519829

Sunny, Mild, hot

Scale

1605 Todd Webb + Andrew  
Christy 2 off site

1620 Leave barge, head to landing

1640 At landing, discuss plans

1700 Leave landing

~~Met Charles Van 2/3/21~~



JLS

2/4/21

OS19829

P. cloudy, mild, 60's

0645 At landing  
Zeabus @ landing w/ boat  
Norris Wittz

- 0650 Walker Hill onsite
- 1) Dennis Herrera
- 2) Jack Womble
- 3) Mike Marlin
- 4) Damon Mupree

0715 Head out

0740 At barge, Zeabus to  
move barge back 5' south

0755 Safety meeting

0805 Wtt to take geotech sample  
@ 40-44' bml, will  
push 3.25" w/ point to  
50' bml then go inside  
w/ 2.25" microscope

0820 Andrew Christz onsite

0847 Pushing 2.25" 40-44' bml  
3.25" set @ 16' bml, inside  
w/ 2.25" to 40' bml, remove  
inner rods & push

~~Met Charles Van 2/4/21~~

JLS

2/4/21

OS19829

P. cloudy, mild, 60's

0900 Took JLS-2 42-44' for  
Vertical Perm EC 1.39 m/s  
Also took JLS-2 44' for  
EC (Element)  
Gray Clay, soft, moist, no  
odor

0910 Will grant JLS-2, Geotech  
borings.

0948 Geotech boring @ JLS-2  
grouted, 1 bag ~ 12 gal

1007 moving to MW-3 location

1009 Photo: Moving barge (SW)

1010 Photo: Moving barge to  
MW-3 (SW)

1019 At MW-3  
Deck to water 5.3' Todd wobbly on barge (CHET)  
Deck to mudline 8.3'  
water depth 3.0'

1025 Photo 3: MW-3 location (SW)

1035 4" PVC casing, pushed ~  
2' into ground

1055 Had to move barge, hit wood  
more ~ 5' north, wtt to setup

Met Charles Van 2/4/21



Location JHS  
Project / Client 0519829

Date 2/4/21

cloudy, mild, fog

- 1057 Deck to water 5.7'
- Deck to mudline 8.2'
- Depth of water 2.5'
- 1101 Pushed 4" PVC ~ 2.5' into ground.
- 1115 Photo 4: MW-3 0-4' bml (S)  
sample 0-2' (1115)  
sample 2-4' (1125)  
Photo 5: MW-3 4-8' bml (S)  
~1.0' recovery wood
- 1135 No recovery MW-3  
8-12, 12-16, 16-20' bml
- 1140 Photo 6: MW-3 20-24' bml (S)
- 1210 Photo 7: MW-3 24-26' bml (S)
- 1225 Photo 8: MW-3 26-28' bml (S)  
Sample MW-3 24-26' (1225)  
@ soil/GW interface
- 1230 Will set well @ MW-3  
screen 23-28' bml, sand to 21', pellets 18' (need to confirm)  
small boring halt, inside of 3.25"
- 1231 Photo 9: MW-3 0-28' bml (E)

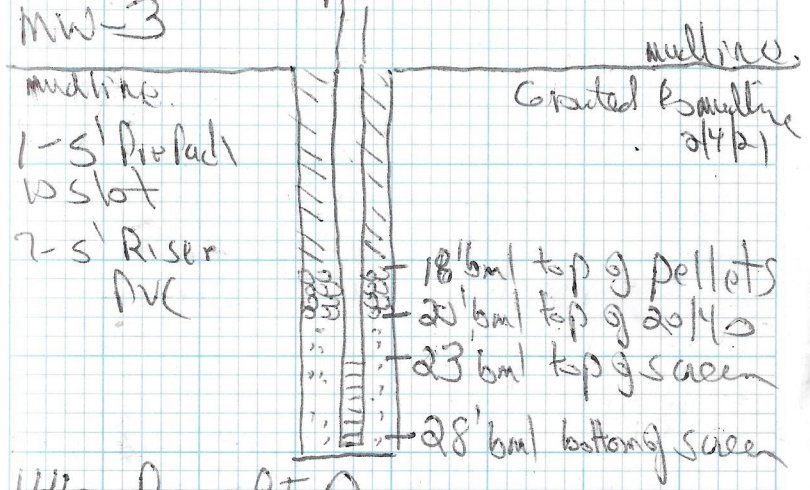
Robert Charles Train 2/4/21

Location JHS  
Project / Client 0519829

Date 2/4/21

cloudy, mild, fog

- 1255 Issue w/ well install  
well coming up, had added  
~20 gals of water to keep screen  
out, will need to pull 300  
barrels & re-install
- 1337 Well has been set, 20/40  
sand & pellets added



- 1410 Run PTO
  - 1440 Start grouty MW-3
  - 1555 Finish grouty @ MW-3,  
used 3 bags, with having issue  
w/ monopump (used 20 gals)
  - 1635 Pump repaired, 2 bags to  
water badge, had to land
  - 1700 off site
- Robert Charles Train 2/4/21



Location JLS

Date 2/5/21

Project / Client 0519829

Cloudy, cool, 50's

0640 At landing, Zeabus @ landing w/ boat - Norris Wilton

0650 Aaron Jones w/ ERM

Also Walker Hill

1) Dennis Herrera

2) Jack Womble

3) Mike Martin

4) Damon McQueen

0710 Leave dock

0730 At barge, safety meet

0745 At MW 2

Deck to water 5.5'

Deck to mudline to 7' 7" 10"

Depth of water 2' 4"

Todd Webb w/ H&T

0803 Photo 1: MW-2 location (N)

set 4" PVC ~ 2' into ground

0816 Start sample @ MW-2

0820 Photo 2: MW-2 0-4' bml (SW)

0830 Sample MW-2 0-2' (0820)

Sample MW-2 2-4' (0825)

0850 Photo 3: MW-2 4-8' bml (SW)

0857 Photo 4: MW-2 8-12' bml (SW)

Meet Charlie Train 2/5/21

Location JLS

Date 2/5/21

Project / Client 0519829

Scale Cloudy, cool, 50's

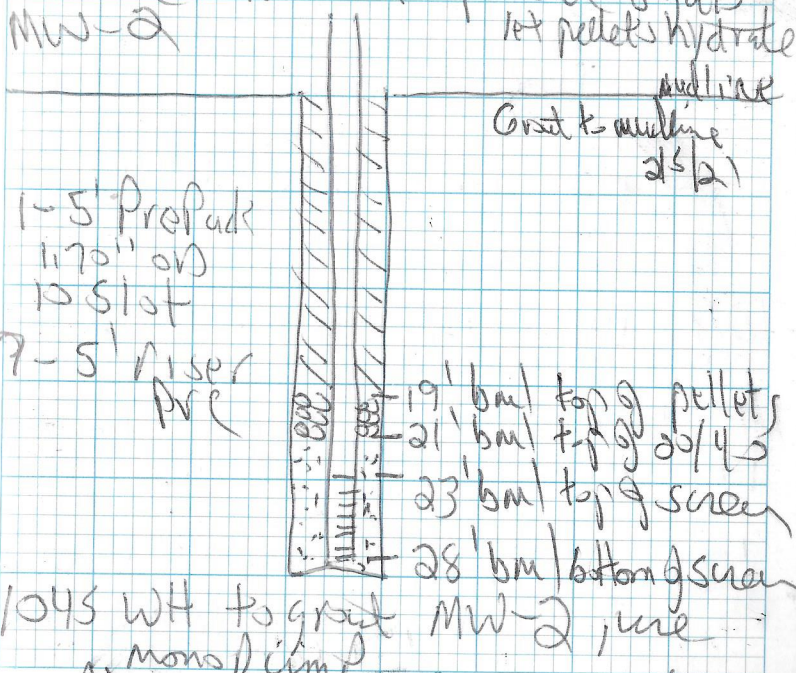
0900 No recovery 12-16', 16-20', 20-24', 24-28' bml

0920 Talk to Dave Angle, informed him of log @ MW-2, said to go ahead + screen some interval as MW-3, will screen 23-28 bgs

0930 Photo 5: MW-2 0-28' bml No recovery last 4 liners (5)

0945 Well has been installed @ MW-2, used 8 gal 17 pellets hydrate

MW-2



1045 WH to greet MW-2, use mono pump

Meet Charlie Train 2/5/21



Location JLS

Date 2/5/21

Project / Client OS19829

cloudy, cool, 50's

1053 Photo 6: Grout @ MW-2 (W)  
1107 MW-2 has been grouted  
used ~ 15 gals of  
Portland / Bentonite;  
decision

1128 Move bags

1129 Photo 7: MW-2 (W)

1136 Photo 8: MW-3 (NE)

1140 Photo 9: MW-1 location (NW)

1200 At MW-1

Deck to water 5' 7"

Deck to mudline 7' 11"

Water Depth 2' 4"

1200 Photo 10: MW-10-4' bml (NW)

sample 0-2' (1200)

sample 2-4' (1205)

1240 Photo 11: MW-1 4-8' bml (NW)

1245 No Recovery 8-12', 12-16'

16-20, 20-24'

1250 Photo 12: MW-1 24-28' bml (NW)

sample 24-26' (1250)

1300 Well has been installed

screen 23-28' bml

20/40 & pellets added hydro

1300 @ Docks 2/5/21 used ~ 5 gals on pellets

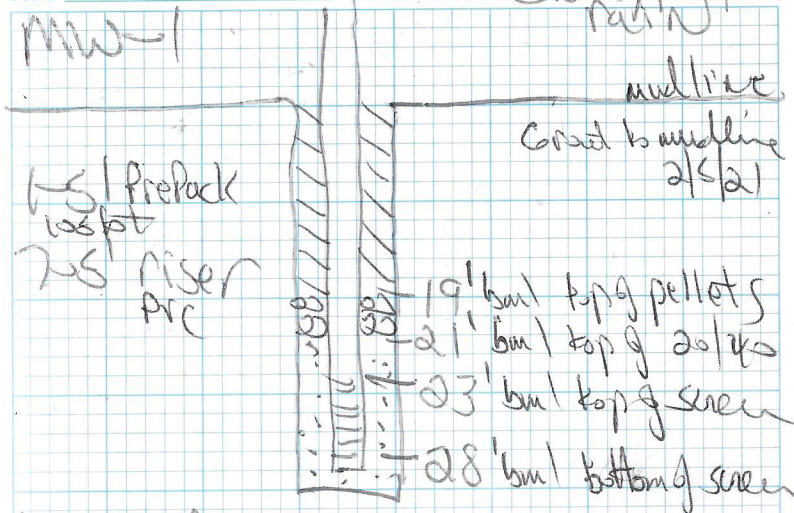
Location JLS

Date 2/5/21

Project / Client OS19829

cloudy, cool, 50's  
rain

Scale



1305 Run PID on MW-2  
& MW-1

1405 WHT to grout MW-1

1435 Finish grout @ MW-1,  
used ~ 16 gals, WHT clean  
up.

1450 Photo 13: MW-1 (W)

1500 Head to deck.

1505 At Dock, unboxed, finish  
COCs, talk to Dave & Jonathan

1610 offsite

Met Charles Ford 2/5/21  
*It's in the Rain*



Location JLS Date 2/8/21

Project / Client 0519829 P. Cloudy, mild, 60's

1000 At boat landing  
Aaron Jones w/ EAM @ landing  
Zealous w/ boat, Norris  
w/ltz  
Safety meeting

1108 Hand out  
1130 At JLS-2 location to  
soil and sample

Andrew Chustz @ JLS-2  
1137 Photo 1: JLS-2 0-2' bml(E)  
0-2' clayey muck, dk. gray  
wet, no odor to slider  
organic material, rootlets

11 Photo 2: JLS-2 2-4' bml(E)  
2-4' clayey muck, dk. gray  
wet, slider/odor  
organic material, rootlets  
black staining

1200 Photo 3: JLS-2 4-6' bml(E)  
4-6' clayey muck, dk. gray  
wet, slider, black  
staining, organic material  
rootlets

Meet Charles Wain 2/8/21

Location JLS Date 2/8/21

Project / Client 0519829 P. Cloudy, mild, 60's

1220 Photo 4: JLS-2 6-8' bml(E)  
6-7' clayey muck, dk. gray  
odor, black staining, organic  
material

7-8' Peat, organic material, wood  
(will sample 6-7' + 7-8') not  
visually impacted

1245 Sample JLS-2 0-2' <sup>visually impacted</sup>  
for SPHP, Ba, Cd, AS, Zn  
TOC  
PAHS EC 8.48ms

1255 Sample JLS-2 2-4'  
for SPHP, Ba, Cd, AS, Zn  
TOC  
PAHS EC 10.76

1305 Sample JLS-2 4-6'  
for SPHP, Ba, Cd, AS, Zn  
EPA/UPH  
PAHS EC 11.85

1320 Sample JLS-2 6-8'  
for Total Ba, AS  
EPA/UPH  
PAHS EC 12.06

Meet Charles Wain 2/8/21 *the rain*



Location JLS Date 2/8/21  
Project / Client 0519829

cloudy warm 70s

- 1345 Run PTO on JLS-2  
0-2' 2.5  
2-11' 6.2  
4-6' 33.9  
6-8' 51.0
- 1400 Put slip caps on wells, cut 1" PVC casing & paint
- 1420 Finish w/ wells, head to dock
- 1445 At dock, unboard

~~Met Charles Trach 2/8/21~~

Location JLS Date 2/9/21  
Project / Client 0519829

Scale overcast, mild, 60s

- 0840 At landing  
2 zealous w/ boat @ landing
  - 0815 Aaron Jones @ landing, load boat
  - 0850 Leave landing, Andrew Chertoz
  - 0910 At MW-1  
H<sub>2</sub>O 4,731  
TD 34,119  
Stickup (and line) 7,160  
3/8" ID  
1/2" OD
  - 0926 Start purging MW-1
- | Time | pH   | SC   | Temp | Turb | ORP  | Gal |
|------|------|------|------|------|------|-----|
| 0926 | 8.21 | 2022 | 18.0 | 152  | 33   | 0   |
| 0929 | 6.88 | 4033 | 20.1 | 359  | -67  | 1.5 |
| 0934 | 6.38 | 4313 | 20.5 | 940  | -81  | 1.0 |
| 0937 | 6.31 | 4300 | 20.5 | OR   | -87  | 1.5 |
| 0940 | 6.29 | 4283 | 20.5 | OR   | -92  | 2.0 |
| 0943 | 6.29 | 4358 | 20.6 | 914  | -97  | 3.0 |
| 0947 | 6.29 | 4375 | 20.7 | 419  | -101 | 4.0 |
| 0952 | 6.34 | 4352 | 20.7 | 40.7 | -97  | 5.0 |
| 0957 | 6.30 | 4347 | 20.8 | 32.5 | -94  | 6.0 |
| 1003 | 6.35 | 4367 | 20.8 | 16.4 | -93  | 7.0 |
| 1006 | 6.35 | 4357 | 20.7 | 17.1 | -96  | 7.5 |
| 1010 | 6.36 | 4351 | 20.8 | 16.3 | -92  | 8.0 |
- Met Charles Trach 2/9/21  
Rite in the Rain



Location JLS Date 2/9/21  
Project / Client 0519829

P. Cloudy, Mild fog

- 1015 Start sample MW-1
- 1) BTEX (Iron was sampled)  
(SS ERM sampled)
- 2) EPH/VPH (ERM)
- 3) TPH - D/O/G (Iron)
- 4) Total Metals (ERM, Iron)
- 5) Diss Metals (ERM)
- 6) Cl, TDS, SO4, Carb/Biaryl  
Alk, Br
- 7) Ra 226/228

1038 Finish sample MW-1  
1055 At MW-3  
H<sub>2</sub>O 4:23'  
TD 34.55  
Stickup (mudline) 7:37

1101 Start

Time	pH	SC	Temp	Turb	ORP	Gal
1101	8.39	494.1	20.6	160	-190	0
1107	8.36	2642	20.9	OR	-130	10
1111	7.04	2901	21.0	186	-84	2.0
1116	6.69	3167	21.3	114	-78	3.0
1122	6.58	3280	21.2	63.8	-76	4.0
1128	6.54	3334	21.2	72.7	-76	5.0
1134	6.51	3342	21.3	59.8	-79	6.0
1140	6.50	3368	21.8	32.5	-76	7.0

Met Charles Trach 2/9/21

Location JLS Date 2/9/21 53  
Project / Client 0519829

Scale Sunny, warm, fog

Time	pH	SC	Temp	Turb	ORP	Gal
1147	6.48	3356	22.1	27.1	-74	8.0
1156	6.54	3383	22.0	17.9	-70	9.0
1203	6.54	3361	21.9	22.1	-69	10.0
1211	6.60	3379	21.9	25.3	-70	11.0

1215 Start sample MW-3  
Same bottles/parameters  
split w/ Iron

1239 Finish sample MW-3  
1246 At MW-2  
H<sub>2</sub>O 4:41'  
TD 36.03'

Stickup (mudline) 8:63'

1255 Start purging MW-2

Time	pH	SC	Temp	Turb	ORP	Gal
1255	7.64	1037	21.5	25.3	-92	0
1303	7.65	1573	22.5	OR	-49	1.0
1318	7.13	1915	23.0	416	-53	2.0
1327	6.95	1961	22.5	165	-68	2.5
1335	6.87	1973	22.7	77.6	-76	3.0
1345	6.83	1980	22.9	63.6	-76	3.5

Met Charles Trach 2/9/21



Location JLS Date 2/9/21  
 Project / Client 0519829

P. Cloudy, warm, 70's

MW-2  
 Time pH SC Temp Turb ORP Gul.  
 1352 6.82 1983 22.6 64.2 -74 4.0  
 1401 6.85 1988 22.5 28.3 -78 4.5  
 1411 6.82 1985 22.5 48.9 -61 5.0  
 1415 Start sampling MW-2,  
 Same parameters/bottles,  
 1500 Finish sample MW-2  
 1506 Head to landing  
 1530 At handy, unload boat  
 1600 offsite

~~Met Charles Streh 2/9/21~~

Location JLS Date 2/10/21 55  
 Project / Client 0519829

Scale overcast, mild, 60's

0745 At boat landing  
 Aaron Jones w/ERM  
 @ landing  
 Also Zealous w/boat  
 Norris Wiltz, load boat  
 0800 Safety meeting  
 0800 Head out  
 0843 At MW-1  
 Andrew Chustz w/Tom  
 Todd Webb w/HET @ location  
 0855 MW-1 H<sub>2</sub>O 4.45' TOC  
 Transducer @ 30.0' TOC  
 0903 Start 1<sup>st</sup> test - slug In  
 Depth 26.302  
 0914 slug out  
 0927 2<sup>nd</sup> test - slug In  
 0935 slug out  
 0948 3<sup>rd</sup> test - slug In  
 0959 slug out  
 1011 Stop slug test @ MW-1,  
 will move to MW-3.  
 Met Charles Streh 2/10/21



Location JLS Date 2/10/21  
 Project / Client OS19829

Overcast, Mild, leak

- 1005 At MW-3  
 H<sub>2</sub>O 4.27'  
 Transducer @ 30.00' TC  
 Depth @ 26.365
- 1029 1st Slug Test - slug in  
 (will have noise)
- 1041 Slug out
- 1051 ~~1st~~ 2nd test slug in
- 1103 ~~1st~~ slug out
- 1112 Slug IN - 3rd test
- 1124 Slug out
- 1135 Finish slug test @  
 MW-3
- 1140 At MW-2  
 H<sub>2</sub>O 8.03'  
 wait on H<sub>2</sub>O level to get  
 back to yesterday's level
- 1228 MW-2, H<sub>2</sub>O level 5.35  
 Transducer @ 30.00' TC  
 Depth @ 26.00' 25.524
- 1242 Start 1st slug test - slug in
- 1300 slug out
- 1332 Stop slug test @  
 MW-2, only
- Met Charles's truck 2/10/21

Location JLS Date 2/10/21  
 Project / Client OS19829

Scale

P. Cloudy, warm, fog

- 1340 Photo 1: MW-2 (SW)
- 1342 Photo 2: MW-3 (NW)
- 1344 Photo 3: MW-1 (NW)
- 1405 At landing, umbilical socket,  
 finish C&Cs
- 1430 Leave landing, head to  
 Zeabus yard
- 1530 At Zeabus yard, put  
 purge water in drum off board  
 for JLS. Head to Element
- 1630 Drop off sample

~~Met Charles's truck 2/10/21~~



Location JLS Lumber  
Project / Client Pigeon Landing Iberia Parish, LA  
Date 2/3/21

0519829

20735 Charles + I arrive at Pigeon Landing Boat launch.

~800 Aaron Jones (EEM) has arrived.

905 Boat at crew boat, looking NW.

Leaving dock. 4 men (WME crew Dennis Herrera (Critical) is supervisor.

Andrew Chutz (EEM) will be with us today.

~935 Met up with barge in canal to location. Moving barge with rig mounted on it to JLS-2 location.

Setting up on JLS-2 location

① 2-6 of drill rig + barge set up on JLS-2 - Coals, ~~W, N, W, N, W~~ + W

Bill crew setting up equipment.

Todd Wells (MET) is on barge with us. Andrew Chutz is sitting in his separate boat nearby.

~1000 Andrew Schultz (EEM) is now on our barge.

Part of logging table looking west.

Das J. St  
2/3/21 on the River



Location JLS Lumber  
 Project / Client Pigeon Bayou, Iberia Parish, LA  
 Date 2/13/21  
 0519828

1025 Starting to advance JLS-02  
 with 3 1/4" OD barrels +  
 sampler. 6.2' of water over  
 JLS-2 location.

Ⓟ B of creek core liner.

1035 Chico (coming back to dock  
 to get another hammer cap,  
 one dropped in water.

No recovery down to 16', very  
 soft. Some peat + soft silt  
 inside ~~seal~~ 8-12 + 12-16'  
 sample tubes but not enough to  
 confirm when it came from.

1110 16-20' No recovery, some  
 pieces of wood/peat.

1118 Just pulled 20-24'. Small thin  
 layers of soft  
 clay gray with peat  
 deformed by corecatcher.

1315 Down to 35'. Shapping drilling

1340 Ⓟ of 24-36' core barrels.  
 Top <sup>24'</sup> upper left of photo, bottom 36'  
 bottom right. Looking down.

David S. G.

2/13/21

Location JLS Lumber  
 Project / Client Pigeon Bayou, Iberia Parish, LA  
 Date 2/13/21  
 0519828

1402 P/D on empty 1 quart  
 ziplock 6.3 pore Chico left  
 a while ago to get Ktting for  
 grouting. Drill crew getting ready  
 for grouting.

1428 Chico is back.

1435 Just checked TD inside 3 1/4" barrels  
 in hole. 54'

1437 P/D of grout tubing + buckets  
 for mixing grout.

1500 Adding barrels to post land  
 for grout mixture.

1505 Starting to pump grout.

1600 Fished grouting JLS-02.  
 Monopump on rig used to  
 grout.

1610 Todd Webb (CRET) and  
 Andrew Shultz have left.

(Aron)

1620 Leaving barge with crew for day.  
 1700 Leaving boat today.

David S. G.

2/13/21



Bayou Pigeon 10519829

2/25/21

Page 1 of 3

Weather: Cloudy / Foggy / Cool, 70's

Scope: SW & Sediment sampling

0730 ERM on-site: Guy Guinet

WHE on-site: Chico (Dennis) Herrera,

Kaventa Scott, Jack Walmsley

Doyle's on-site: Doyle Stovall

0745 ICON on-site: Chase Sombert

0810 Safety Meeting

0840 Awaiting for fog to lift to launch boats.

0913 Fog lifted. Launched and loaded boat.

0926 Mob to collect SW samples.

<sup>45</sup>  
~~0938~~  
<sub>586  
2/25/21</sub> Sampled SW-1 (upstream), DUP/MS-MSD<sup>(3)</sup>  
Water Depth (8.5 ft), Chlorides  
Split w/ ICON

0955 Sampled SW-2 (Site Entrance) (1)  
Water Depth (7.0 ft), Chlorides  
Split w/ ICON

Scale: 1 square = \_\_\_\_\_

Go Gator in the Rain



1005 Sampled SW-3 (Site Canal)  
Water Depth = 6 ft. Chlorides  
Split w/ ICON

1015 Sampled SW-5 (Downstream)  
Water Depth = 6.9 ft. Chlorides  
Split w/ ICON

1025 Sampled SW-4 (Site)  
Water Depth = 8.3 ft. Chlorides  
Split w/ ICON

Note: All SW samples collected @  
4 ft deep.

1035 Set up boat and vibrocore on  
JLS 2. Water depth measured @  
8.9 ft to mud.

1045 Vibracored 25 ft piece of aluminum  
simple tube. 25 ft (tube) - 9 ft (water) -  
2 feet (Boat Post) - 9 feet (tube stick up)  
= 12 ft bgs.

1055 Vibracore meet resistance @ 11 feet  
bgs. Will pull up and evaluate  
core.

Scale: 1 square =

G2 A 5 2/25/21

1150 Vibracore retrieved with 4 feet of  
recovery, 7-11 feet. Sampled 5-16  
(bottom half of core)

1215 <sup>2nd</sup> Vibracore meet refusal at 9 feet  
bgs. Will pull 9nd evaluate core.

1230 Vibracore retrieved with 5 feet  
of recovery.

1245 Sampled 0-5 feet. (Top 2.5 ft half of  
core)

1310 Attempted a 3rd vibracore push  
N30.01770° W 91.40635

Approximately 10 feet from JLS-2.

<sup>GR</sup> ~~2-25-21~~ Only vibracore meet refusal at

7 ft bgs. Sample will not be used.

1330 Pmab to dock

1350 Unloaded boat @ dock

1430 ERM, WHE, ICON & HET off-site

G2  
2/25/21  
Scale: 1 square =

Note in the Rain



Location JLS Date 3/4/21Project / Client 0519829

8:30 JCS on-site  
 Roy Millit w/Dayke's boat rentals  
 Gary Gundry  
 John  
 Jack } TBS

TBS has survey boat, Roy has crew boat  
 hold tailgate HS meeting, filed float plan w/EGG & AF  
 9:45 depart dock

1010 TBS Setting up control/base point near  
 JLS-23.

1015 Birds recorded in eBird app.  
 Plants mostly ~~dormant~~ <sup>dormant</sup> w/  
 butterweed flowering w/ European  
 honey bees.

1022 ⊕ Cypress tree on bank at JLS-11,  
 facing NW.

1023 TBS recording elevation transect  
 ≈ 50 S of JLS-4 ⊥ of canal

1025 ⊕ Transect 1, facing W, E from canal bank

1026 ⊕ Deciduous Holly on transect 1 +  
 bald cypress tree.

Location JLS Date 3/4/21Project / Client 0519829

1032 ⊕ <sup>EMB</sup> ~~E, W~~ W, E at edge of water  
 on SW TBS point

1036 ⊕ Crawfish shell scat

1039 ⊕ (517) W, E TBS @ 517

1041 ⊕ W, W, E TBS @ 518

1042 TBS documenting water line on  
 the East side of spoil bank.

1044 ⊕ W, E TBS @ 519

1047 ⊕ W, E TBS @ 521

1049 TBS at Transect 2 x near  
 JLS 12?

TIME	NAME	X	Y	DBH	Water Depth
⊕ 1119	BC1	653673	3321799	36"	0"
⊕ 1123	BC2	653721	3321800	29"	0"
⊕ 1126	BC3	653730	3321820	41.5"	0"
⊕ 1127	BC4	653732	3321823	41"	0"
⊕ 1129	BC5	653738	3321814	14"	0"
⊕ 1132	BC6	653744	3321810	41"	5"
⊕ 1133	BC7	653735	3321802	29"	0"
⊕ 1134	BC8	653737	3321801	16"	0"
⊕ 1136	BC9	653739	3321801	48"	8.5"
⊕ 1137	BC10	653719	3321793	31"	0"
⊕ 1139	BC11	653736	3321781	36"	2"
⊕ 1140	BC12	653726	3321778	25"	0"

EB



Location JLS Date 3/4/21Project / Client 0519829

TIME	NAME	X	Y	DBH	WD
⊕ 1142	BC13	653705	3321780	46"	0"
⊕ 1143	BC14	653727	3321765	38"	0"
⊕ 1146	BC15	653722	3321743	45"	0"
⊕ 1149	BC16	653723	3321727	13"	0"
⊕ 1151	BC17	653733	3321703	44"	0"
⊕ 1153	BC18	653748	3321686	53"	0"
⊕ 1156	BC19	653748	3321664	44"	0"
⊕ 1157	BC20	653747	3321657	24"	0"
⊕ 1201	BC21	653747	3321647	6.5"	0"
⊕ 1203	BC22	653751	3321649	34"	0"
1247	BC23	653692	3321602	17' 4"	16.5"
⊕ 1333	BC24	653138	3321561	8' 1"	7.5"
⊕ 1346	BC25	653144	3321587	100"	10.5"

Location JLS Date 3/4/21Project / Client 0519829

⊕ 1200 (653749, 3321658) Cypress saplings  
 1235 checked out Luther T-01 and  
 T-02, water too deep to access.

1300 leaving eastern slip area to visit western  
 canal. No halophytic plants, no salt  
 crystals on surface, snags consisted of  
 Chinese tallow, black walter, no marine  
 animals noted.

Few species of flora were looked out

- butterweed,
- floating marsh pennywort
- southern dewberry
- salvinia
- bidens laevis
- deciduous holly

Western end of rem. area

green anole

bumblebee

apple snail

14:00 depart site

14:30 back @ land