

2 T1D

0600

Arrive on site. It 30's overcast.

2.14.22

0630

Prep paperwork & supplies.
Hust up w/ gravity.

Mile Duffield, Jace Langdon

Logan Nelson

Prep core tubes, boat, etc.

0715

H/S briefing

0735

Depart marina.

0738

Head to location. 1177

0804

Attempt 1

10.30 ft recovery / 11.0 ft drive

93.6% accepted

Shovel: -13.8 to -20.0 = 6.2 ft.

0840

Head to location 1149

0841

Attempt 2 - not possible. Surges

occupying area to >30 ft. out.

0842

Head to 1150

0903

Attempt 1

10.65 ft. recovery / 11.0 ft drive

96.8% accepted.

Shovel: -14.5 to -20.0 = 5.5 ft.

0920

Transfer cores to processing.

0930

Head to location 1143 - location

occupied by bags.

0931

Head to location 1137

T1D

0945

Attempt 1.

8.10 ft recovery / 9.0 ft drive.

90.0% accepted.

Shovel: -15.8 to -20.0 = 4.2 ft.

0959

Head to location 1064, unable to

collect, anchor lines too short.

1020

Head to location 1156

1044

Attempt 1

7.80 ft recovery / 9.0 ft drive.

97.5% accepted.

Shovel: -17.3 to -20.0 = 2.7 ft.

1057

Transfer cores to processing.

1103

Head to location 1191

1131

Attempt 1

4.40 ft recovery / 7.0 ft drive.

62.9% rejected.

1131

Attempt 2

8.10 ft recovery / 8.0 ft drive.

101.3% accepted. Shovel: -17.0 to -20.0 = 2.2 ft

1150

Transfer core to processing

1355

Head to location 1183

1409

Attempt 1

12.30 ft recovery / 14 ft drive.

90.7% accepted.

Notes on the Run.

4 T.170

(1400)

Shoal: -10.7 to -20.0 = 9.3 ft.

12.15.22

1425

Transfer to processing.

1427

Head back to location 1064.

1456

Attempt 1

10.30 ft recovery / 10.0 ft drive.

103.0 % - accepted.

Shoal: -26.4 to -30.0 = 3.6 ft.

1515

Transfer core to processing

1518

Head back to marina.

1535

At marina. Offload.

1540

Depart marina. End of on-water day. Head to processing site.

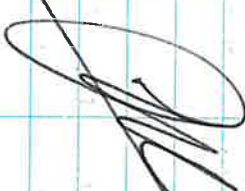
1545

At processing site. Help process

1715

Complete processing. Depart site

End of field day


12.17.22

T.D.

0615

Arrive at SPIN. Load 300s, partly cloudy. Prep supplies / paperwork.

0630

Meet w/ w/ Gravity: Mike Duffield, Logan Nelson, & Jane Langdon. Prep cores, boat, eqpt.

0715

W/S briefing.

0730

Depart marina

0731

Head to location 1065

0811

Attempt 1

11.65 ft recovery / 12.0 ft drive.

97.1 % - accepted.

Shoal: -22.7 to -30.0 = 7.3 ft.

0835

Transfer core to processing

0838

Head to location 1060

0900

Attempt 1

12.90 ft recovery / 14.0 ft drive.

92.1 % - accepted.

Shoal: -21.4 to -30.0 = 8.6 ft.

0920

Transfer core to processing

0930

Head to location 1059

0946

Attempt 1

10.20 ft recovery / 10.0 ft drive.

102.0 % - accepted.

Shoal: -26.1 to -30.0 = 3.9 ft.

0959

Transfer to processing

12.15.22

8-1130

12.15.22

1006 Head to location 1047

1058 Attempt 1

10.50 ft recovery / 12.0 ft drive.

87.5% - accepted

Shed: -24.0 to -30.0 = 6.0 ft.

1115 Transfer core to processing.

1120 Head to location 1046

1132 Attempt 1

10.20 ft recovery / 10.0 ft drive.

102.0% - accepted.

Shed: -26.3 to -30.0 = 3.7 ft.

1145 Transfer to processing.

1150 Head back to marina to set up more core tubes.

1210 At marina. Prep tubes.

1245 Depart marina.

1247 Head to location 1143

1307 Attempt 1

8.60 ft recovery / 10.0 ft drive.

86.0% accepted

Shed: -14.9 to -20.0 = 5.1 ft.

1322 Transfer to processing.

1325 Head to location 1130

1342 Attempt 1

8.65 ft recovery / 8.50 ft drive.

8-1130

12.15.22

(1342) 101.8% - accepted

Shed: -18.0 to -20.0 = 2.0 ft.

1355 Transfer to processing.

1400 Head to location 1149

1426 Attempt 1

5.85 ft recovery / 6.00 ft drive

97.5% accepted.

Shed: -18.9 to -20.0 = 1.1 ft.

1440 Transfer to processing.

1441 Head back to marina.

1500 At marina. Offload.

1515 Depart marina. End of m-

water day. Head to processing.

1520 At processing

1600 Processing complete. Depart facility.

End of field sampling day.

12.15.22

8 K. McPeck

12/16/22

0630 Arrive SPM. Weather: low 30s, cloudy foggy

Prep supplies, paperwork.

0715 Meet Granty, Mike Duffield, Logan Nelson, Jake Langdon. Prep boat and equipment.

0745 H+S meeting

0755 Depart SPM

0805 Scope location 1169 - still blocked by barges. Head to 1123.

0819 Attempt 1 at 1123

6.70 ft recovery / 8.00 ft drive
83.4% accepted

Sheal: -17.4 to $-20.0 = 2.6$ ft

0840 Transfer to processing

0842 Head to 1070; cannot sample in fog - ice is under 1st Ave S Bridge. Head to 1053

0912 Attempt 1 at 1053

7.30 ft recovery / 8.00 ft drive
91.3% accepted

Sheal: -27.0 to $-30.0 = 3.0$ ft

0934 Head to 1039

0950 Attempt 1 @ 1039

7.45 ft recovery / 8.00 ft drive

93.1% accepted

Sheal: -26.7 to $-30.0 = 3.3$ ft

9 K. McPeck

12/16/22

1002 Transfer to processing

1005 Head to 1007, wait for ship

container moving upstream

1043 Attempt 1 @ 1007

7.00 ft recovery / 8.00 ft drive

87.5% accepted

Sheal: -27.8 to $-30.0 = 2.2$ ft

1058 Transfer to processing

1100 Head to 1002

1120 Attempt 1 @ 1002

7.55 ft recovery / 8.00 ft drive

94.4% accepted

Sheal: -26.9 to $-30.0 = 3.1$ ft

1133 Transfer to processing

1140 Head back to 1070

1201 Attempt 1 @ 1070

7.00 ft recovery / 7.00 ft drive

100% accepted

Sheal: -28.0 to $-30.0 = 2.0$ ft

1220 Deliver core to processing

1225 Head to 1091

1238 Attempt 1 @ 1091

6.45 ft recovery / 8.00 ft drive

80.6% recovery, accepted

Sheal: -17.2 to $-20.0 = 2.8$ ft

1300 Deliver core to processing

Return on River

10 K. McPeck

12/16/22

1305 Head to SPM

1325 Arrive SPM, unload equipment

1358 K. McPeck departs SPM

~~Not done~~

12/16/22

1500

01.03.23

0620 Arrive at Harbor Island
Marina. ADs, pty cloudy.

0630 Meet up w/ gravity crew.

E. Sloan, J. Langdon, R. Zamora.

0640 Rep boat, equipment and
supplies.

0730 H/S briefing.

0800 Depart marina. Head upriver.

0825 Pick up Giovanni Ramirez
(Geo Syntec) for oversight,
at 1st Ave ramp.

0830 Head upriver to location D46
[0852] Attempt 1

2.32 ft recovery / 3.00 ft. drive.
77.3% - accepted.

0905 Head to location 1264
[0912] Attempt 1

2.30 ft recovery / 3.00 ft. drive.
76.7% - accepted.

0925 Head to location 1269
[0936] Attempt 1

2.65 ft / 3.00 ft drive.
88.3% - accepted.

0945 Head to location 1275

0953 Attempt 1

12 TD0

01.03.23

0953

1:15 ~~recovery~~ 1.50 ft drive to refusal
76.7% - rejected, not enough
material. Will try another.

1013

Attempt 2
0.72 ft recovery / 1.50 ft drive to refusal
45.0% - rejected.

[1026]

Attempt 3
1.25 ft recovery / 1.50 ft drive to refusal
83.3% - accepted.

1035

Transfer cores to processing

1039

Head to location 1272

[1045]

Attempt 1
1.85 ft recovery / 2.25 ft drive to refusal
82.2% - accepted.

1103

Head to location 1231

1108

Attempt 1
1.30 ft recovery / 2.30 ft drive to refusal.
56.5% - reject.

Attempt 2 Station abandoned. Will
try to hand-collect in springs at
lower tide to work around pump.

1125

Head to location 1233

1132

Attempt 1
1.40 ft recovery / 3.00 ft drive - hand drive
46.7% - reject.

TD0

01.03.23

1140

Head to location 1223
Attempt 1 Unable to access
because of old boat. Too
close to shore. Abandon location

1145

Transfer cores to processing;
Gibsonar departs.

1150

Head to location 1226

1215

Attempt 1
6.00 ft recovery / 6.50 ft drive.
92.3% - rejected. Not enough shad.
shad: 1.97 to - 20.0 = 6.3 ft.

[1235]

Attempt 2
5.00 ft recovery / 6.50 ft drive.
86.2% - accepted.

1245

Transfer to processing

1315

Head to location 1224

[1321]

Attempt 1
1.65 ft recovery / 2.00 ft drive.
82.5% - accepted.

1329

Head to location 1235

[1334]

Attempt 1
2.15 ft recovery / 2.50 ft drive.
86.0% - accepted.

1345

Head to location 1212

14 TDO

01.03.23

[1401]

Attempt 1

5.00 ft recovery / 5.00 ft drive
100.0% accepted.

1407 Transfer to processing.

1410 Head to 1203

[1421]

Attempt 1

2.75 ft recovery / 3.00 ft drive
91.7% - accepted.

1433 Head to location 1202

[1436]

Attempt 1

1.70 ft recovery / 2.25 ft drive
75.6% - accepted. (refuse) to resistance

1440 Transfer to processing.

1445 Head to location 1197

1455 Attempt 1

0.90 ft recovery / 1.00 ft drive
90.0% - rejected (didn't reach depth) ^{refuse}

[1503]

Attempt 2

2.70 ft recovery / 3.00 ft drive
90.0% - accepted.

1515

Transfer to processing.

1520 Head to location 1189

[1526]

Attempt 1

2.75 ft recovery / 3.00 ft drive.

~~95.5% - accepted.~~

91.7%

TDO

01.03.23

1535

Transfer to processing.

1537

Recon remaining Pae Pile locations
for accessibility.

1204 - under sunken barge.

1190 - blocked by barge/dock. Can
get w/in 25-30 ft of target.

1213 - too close to sunken barge to
set anchor lines

1236 - blocked by 2 barges

Head back to marina.

1620

Arrive at marina. Offload
supplies

1630

Depart marina. End of on-water
and field day

01.03.23

TDO

Return on River

10 TTB

01.04.23

0600 Arrive on site, prep paperwork.

AD's, aircraft.

0625 Meet w/ friendly crew:

E. Green, R. Zamora, K. Sanders

Prep core boxes, eqpt, and boat

0715 H/S briefing.

0730 Depart marina. Head upriver.

0750 Arrive in Middle Beach, head to location 1190. Location

blocked by barge/dock, but are

about 25 ft within target.

[0816] Attempt 1

2.10 ft recovery / 2.50 ft drive.

84.0% accepted.

0825 Head to location 1190

0834 Attempt 2

1.30 ft recovery / 3.00 ft drive.

43.3% rejected.

[0848] Attempt 2

3.15 ft recovery / 4.00 ft drive.

78.8% - accepted.

0855 Transfer to processing.

0903 Head to location 1268

[0911] Attempt 1

2.40 ft recovery / 3.00 ft drive.

TTB

01.04.23

0911 80.0% - accepted, ~~TTB~~

0925 Head to location 1224 1220

0930 Kiley Zaubi (USACE) arrives;

H/S briefing.

[0958] Attempt 1

3.35 ft recovery / 4.00 ft drive

83.8% accepted.

1015 Head to location 1225

[1030] Attempt 1

3.80 ft recovery / 4.00 ft drive.

95.0% accepted.

1050 Head to location 1247. Location

is ~ 12 ft off (blocked by barge).

Kiley says okay w/ distance from

target.

[1056] Attempt 1

2.85 ft recovery / 3.00 ft drive

95.0% accepted.

1115 Head to location 1265

[1131] Attempt 1

4.35 ft recovery / 4.50 ft drive.

96.7% accepted.

1145 Transfer to processing.

1215 Head to location 1270

[1229] Attempt 1

Return on River

18 ID

01.04.23

1229

3.40 ft drive / 4.00 ft drive

55.0% - accepted.

1240

Head to location 1236

1255

Attempt 1

3.00 ft recovery / 4.00 ft drive.

75.0% - accepted.

1308

Transfer to processing

1315

Head to location 1221

1338

Attempt 1

6.75 ft recovery / 7.00 ft drive.

96.4

84.3% accepted.

Shore - 18.8 to -20.0 = 1.2 ft.

1355

Transfer to processing

1402

Head to location 1214

1418

Attempt 1

6.20 ft recovery / 7.00 ft drive.

88.6% accepted.

Shore = -19.3 to -20.0 = 0.7 ft.

1430

Transfer to processing; Killey

Zoubi departs.

1440

Head to location 1184

1458

Attempt 1

5.75 ft recovery / 6.50 ft drive - refusal

88.5% accepted. Shore -19.1 to -20.0

1510

Transfer to processing.

ID

01.04.23

1525

Head to location 1154

1533

Attempt 1

0.00 recovery / 0.50 ft drive

0% - rejected (refused)

1548

Attempt 2

1.75 ft recovery / 2.00 ft drive - refusal.

87.5% accepted.

1555

Transfer to processing.

1600

Heading back to marina.

1620

Arrive at marina. Offload supplies.

1645

Depart marina. End of on-water day.

ID

01.04.23

20
01.05.13

0605

Arrive at marina. SO's, overcast, wind. Prep supplies and paperwork.

0620

Meet up w/ beauty crew - E. Swan, R. Zamora, J. Langdon. Prep boat, equipment and supplies; prep core tubes; add extensions to spuds.

0745

H/S briefing.

0750

Depart marina. Head igniter.

0815

Clare Christensen arrives.

0830

Head to location ~~1144~~ 1146

0850

Attempt 1

0.50 ft recovery / 3.00 ft drive (refused)

0903

Attempt 2

0.50 ft recovery / 4.00 ft drive (refused)

0921

12.5% - rejected.

0921

Attempt 3

2.55 ft recovery / 3.00 ft drive (refused)
85.0% - ~~accepted~~ rejected - not IT.

0930

Head to location 1153

0938

Attempt 1

3.30 ft recovery / 4.00 ft drive
82.5% - accepted

21
01.05.13

0950

Transfer to processing; Claire departs.

0955

Head to location 1165

1007

Attempt 1

1.70 ft ~~drive~~ recovery, 4.00 ft ^{dr} drive
42.5% - rejected.

1021

Attempt 2

2.55 ft recovery / 3.00 ft drive
85.0% - accepted.

1035

Head to location 1205

1040

Transfer to processing.

1120

Attempt 1

0.30 ft recovery / 7.00 ft drive,
90.0% - accepted.

1133

Transfer to processing

1144

Head to location 1186

1152

Attempt 1

3.15 ft recovery / 4.00 ft drive
78.7% - accepted.

1159

Head to location 1188 (target under dock)

1210

Attempt 1

3.30 ft recovery / 4.00 ft drive,
82.5% - accepted

1215

Transfer to processing.

22 TTD

01.05.23

1235

Head to location 1179

1242

Attempt 1

1.50 ft recovery / 400 ft drive.

37.5% - rejected.

1251

Attempt 2

1.80 ft recovery / 3.00 ft drive

60.0% - rejected.

1302

Head to location 1173

1306

Attempt 1

2.70 ft recovery / 3.00 ft drive.

90.0% - accepted.

1315

Head back to location 1173

1324

Attempt 3

3.50 ft recovery / 400 ft drive.

87.5% - accepted

1335

Transfer to processing.

1345

Head to location 1160

1353

Attempt 1

1.60 ft recovery / 2.00 ft drive - refusal

80.0% - accepted.

1405

Head to location 1152

1410

Attempt 1

3.00 ft recovery / 400 ft drive

75.0% - accepted.

1418

Transfer to processing.

TTD

01.05.23

1425

Head to location 1181

1446

Attempt 1

6.60 ft recovery / 8.00 ft drive

82.5% - accepted

Shore = -18.2 to -20.0 = 1.5 ft.

1500

Transfer to processing.

1515

Rolling anchors and flipping

spots

1530

Depart and head back to

mainline.

1550

Arrive at mainline. Offload. Reset

1600

Depart. End of on-water

~~1610~~

field day.

TTD

01.05.23

01.06.23

TDO

0600 Arrive on site. Prep paperwork and supplies. 40's, overcast.

0615

Inventory animals

E. Sloan, R. Zemenow, J. Langdon

Prep boat, and exp, cave traps.

0725

14's briefing

0730

Depart marina. Head upriver

0755

At 1st Ave. Prepping sprds.

0800

Claire Christensen embarks.

0820

Head to location 1261

0839

Attempt 1

1.50 ft recovery / 4.00 ft drive

37.5% - rejected.

0849

Attempt 2

1.50 ft recovery / 4.00 ft drive

37.5% - rejected.

0904

Attempt 3

1.30 ft recovery / 4.00 ft drive.

32.5% - rejected.

0922

Attempt 4

3.30 ft recovery / 4.00 ft drive.

82.5% - accepted.

0940

Head to location 1252

0947

Attempt 1

3.75 ft recovery / 4.00 ft drive.

01.06.23

TDO

0947 93.8% - accepted.

1000 Transfer + processing. Claire

departs.

1003 Head to location 1244

1014 Attempt 1

3.80 ft recovery / 4.00 ft drive.

95.0% - accepted.

1025 Head to location 1250

1032 Attempt 1

3.20 ft recovery / 4.00 ft drive.

80.0% - accepted.

1040 Transfer to processing.

1045 Head to location 1241

1051 Attempt 1

3.45 ft recovery / 4.00 ft drive.

86.3% - accepted.

1110 Head to location 1217

1114 Attempt 1

3.00 ft recovery / 4.00 ft drive.

75.0% - accepted.

1122 Transfer to processing.

1125 Head to location 1215

1138 Attempt 1

4.25 ft recovery / 4.00 ft drive.

106.3% - accepted.

01.06.23

TDO

1145 Head to location 11851200 Attempt 1

3.40 ft recovery / 400 ft drive.

85.0% - accepted.

1215 Transfer to processing.

1242 Head to location 12221300 Attempt 1

4.15 ft recovery / 400 ft drive.

103.8% - accepted.

1311 Head to location 12221318 Attempt 1

4.15 ft recovery / 400 ft drive.

103.8% - accepted.

1327 Head to location 12341334 Attempt 1

3.50 ft recovery / 400 ft drive.

87.5% accepted.

1338 Transfer to processing

1343 Head to location 12441346 Attempt 1

3.10 ft recovery / 400 ft drive.

77.5% - accepted.

1400 Head to location 12201412 Attempt 1

2.80 ft recovery / 300 ft drive.

01.06.23

TDO 27

1412 97.3% recovery - accepted.

1425 Transfer to processing

1428 Head to location 11941441 Attempt 1

2.25 ft recovery / 300 ft drive - refused

75.0% - accepted

1450 Transfer to processing.

1455 Head to location 10771510 Attempt 1

1.75 ft recovery / 2.75 ft drive - refused

77.0% - accepted.

1520 Transfer to processing.

1535 Head back to machine.

1555 Arrive at marina. Offload, Reset

1600 Depart. End of on-water

field day.

01.06.23

28 01.09.23

TDe

0600

Arrive on site, AD's, Newcastle, windy
Prep paperwork. Plan day

0630

Gravity samples:
E. Swan, R. Zarnova, J. Langdon
Prep boat, core tubes, eqpt &
supplies.

0715

H/S briefing.

0730

Depart marina. Head upriver.

0800

Head to location 1277

0839

Attempt 1

3.40 ft recovery / 4.00 ft drive

85.0%, accepted.

0845

Head to location 1256

0905

Attempt 1

1.10 ft recovery / 3.00 ft drive.

36.7%, rejected.

0926

Attempt 2

3.05 ft recovery / 4.00 ft drive.

76.3%, accepted.

0946

Head to location 1206

1008

Attempt 1

3.10 ft recovery / 4.00 ft drive.

77.50%, accepted.

1015

Head to location 1239, transfer to processing.

1105

Attempt 1

01.09.23

TDe. 29

1105

4.15 ft ~~recovery~~ / 5.00 ft drive
93.0%, accepted.

1120

Head to location 1248

1134

Attempt 1

3.45 ft recovery / 4.00 ft drive.

86.3%, accepted.

1140

Transfer & processing.

1150

Head to location 1266

1203

Attempt 1

2.85 ft recovery / 3.50 ft drive.

81.4%, accepted.

1220

Head to location 1271

1234

Attempt 1

3.80 ft recovery / 4.00 ft drive.

95.0%, accepted.

1245

Transfer to processing, lunch break

1320

Head to location 1213

1328

Attempt 1

3.15 ft recovery / 4.00 ft drive.

78.8%, accepted.

1340

Head to location 1200

1346

Attempt 1

2.85 ft recovery / 3.50 ft drive.

81.4%, accepted.

1355

Transfer to processing.

30
01.09.23

TDD

1357 Head to location 1192

1402 Attempt 1,

1403 Next attempt, wind pushed us

off-target, reset

1417 Attempt 2

3.65 ft recovery / 4.00 ft drive

91.3%, accepted.

1425 Head to location 1178

1439 Attempt 1

4.35 ft recovery / 5.00 ft drive

87.0%, accepted.

1450 Transfer to processing.

1500 Head to location 1171

1512 Attempt 1

1.00 ft recovery / 4.00 ft drive.

47.5%, rejected. Used in site

1524 Attempt 2

3.70 ft recovery / 4.00 ft drive.

92.5%, accepted.

1535 Transfer to processing. Reset

spuds.

1605 Head downriver towards marina.

1610 Recon 1066 and 1061. 1066 is

accessible, 1061 might be tricky, but maybe possible to be w/in 10 ft, next to sail boat.

01.09.23

31
TDD

1615 Head to marina.

1630 Arrive at marina. Offload, Rest spuds

1645 Depart. End of on-water field

day.



01.09.23

TDD

32 01.10.23

TR

0600 Arrive on site, 40s, overcast
Prep equipment; plan locations
0620 Gravity surveys:

E-Span, R. Tawata, J. Langdon
Rep core holes, supplies,
egpt and warm up boat.
0715 H/S briefing

0730 Depart marina. Head upriver.
0750 Head to location 1104

[0805] Attempt 1
4.25 ft recovery / 4.50 ft drive.
94.4%, accepted.

0825 Head to location 1158
[0833] Attempt 1

4.25 ft recovery / 4.50 ft drive.
94.4%, accepted.

0848 Transfer cores to processing
0850 Head to location 1151

[0907] Attempt 1
3.70 ft recovery / 4.00 ft drive.
92.5%, accepted.

[0923] Head to location 1145

[0939] Attempt 1
3.55 ft recovery / 4.00 ft drive
88.8%, accepted

01.10.23

TD

0950 Transfer to processing;

1000 Head to location 1139
[1010] Attempt 1

3.35 ft recovery / 4.00 ft drive
83.8%, accepted.

1030 Head to location 1061
[1045] Attempt 1

3.60 ft recovery / 4.00 ft drive.
90.0%, accepted.

1055 Head to location 1016
[1108] Attempt 1

3.25 ft recovery / 4.00 ft drive
81.3%, accepted.

1120 Transfer to processing.
1130 Head to location 1117

[1135] Attempt 1
3.50 ft recovery / 4.00 ft drive.
87.5%, accepted.

1145 Lower boat. Transfer core to
processing

1210 Head to location 1093
[1226] Attempt 1

3.20 ft recovery / 4.00 ft drive
80.0%, accepted.

1245 Head to location 1094

34 01.10.23

TD

1251

Attempt 1.
3.25 ft recovery / 4.00 ft drive.
81.3%, accepted.

1300 Transfer to processing.

1303 Head to location 1103

1323

Attempt 1
3.25 ft recovery / 4.00 ft drive
81.3%, accepted.

1350 Head to location 1100

1353

Attempt 1
3.60 ft recovery / 4.00 ft drive.
90.0%, accepted.

1402 Transfer to processing.

1410 Head to location 1101

1413

Attempt 1
3.65 ft recovery / 4.00 ft drive
91.3%, accepted.

1425 Head to location 1096

1434 Attempt 1

0 recovery, refusal, tipped over
rejected.

1443 Attempt 2

.50 ft recovery / 3.00 ft drive to refusal
25.0%, rejected.

1510 Attempt 3, moved out to ~15 ft.

01.10.23

TD

35

1515

Transfer core to processing.
1524 Attempt 4, move to ~20 ft.

1535 Adjust spuds

3.10 ft recovery / 4.00 ft drive.
77.5%, accepted.

1553 Head back to marina.

1615 Arrive at marina. Offload. Reset spuds

1630 Depart marina. End of on
water day.


01.10.23

36 11.11.23

TDO

0600 Arrive on site, ADS, showers.
Prep supplies, forms, plan for day
0615 Gravity, animals

E. Sloan, R. Zamora, K. Sanders
Prep core tubes, warm up beer,
prep eqpt and spuds.
0715 Hts briefing.

0735 Depart marina. Head upriver
0800 Head to location 1088
0812 Attempt 1

0.95 ft recovery / 1.00 ft drive, refusal
95%, rejected (<15' drive)

10812 Attempt 2

1.70 ft recovery / 2.00 ft drive, refusal
85.0%, accepted.

0833 Head to location 1089

10842 Attempt 1

1.80 ft recovery / 2.00 ft drive, refusal.
90.0%, accepted.

0858 Transfer to processing.

0903 Head to location 1079

10904 Attempt 1

1.60 ft recovery / 2.00 ft drive, refusal.
80.0%, accepted.

0920 Head to location 1080

37 11.11.23

TDO

10924 Attempt 1

2.10 ft recovery / 2.50 ft drive, refusal
84.0%, accepted.

0934 Transfer to processing

0938 Head to location 1072

10941 Attempt 1

2.20 ft recovery / 2.50 ft drive, refusal
88.0%, accepted.

0957 Head to location 1081

1002 Attempt 1

1.40 ft recovery / 3.00 ft drive, refusal
46.7%, rejected.

11015 Attempt 2

1.60 ft recovery / 2.00 ft drive / refusal
80.0%, accepted.

1033 Transfer to processing.

1038 Head to location 1066

11045 Attempt 1

2.20 ft recovery / 2.50 ft drive, refusal
88.0%, accepted.

1100 Head to location 1062

11103 Attempt 1

2.50 ft recovery / 3.00 ft drive, refusal
83.3%, accepted.

1118 Transfer to processing

38
01.11.23

TB

1125 Head to location 1097

1132 Attempt 1

1.80 ft recovery / 2.00 ft drive, refused
90.0%, accepted.

1140 Lunch break.

1215 Head to location 1085

1234 Attempt 1

2.80 ft recovery / 3.50 ft drive.
80.0% accepted.

1245 Transfer to processing

1300 Head to location 1058

1309 Attempt 1

3.20 ft recovery / 4.00 ft drive
80.0%, accepted

1315 Head to location 1069

1322 Attempt 1

2.30 ft recovery / 3.00 ft drive.
76.7%, accepted.

1330 Transfer to processing.

1333 Head to location 1073

1337 Attempt 1

2.75 ft recovery / 3.00 ft drive
91.7%, accepted.

1355 Head to location 1070

1413 Attempt 1

01.11.23

TB 39

1413 1.60 ft recovery / 2.00 ft drive, refused

80.0%, accepted

1425 Transfer to processing.

1435 Head to location 1201

1443 Attempt 1

0.9 ft drive recovery / 1.5 ft drive, refused
60.0%, rejected.

1454 Attempt 2, move to avoid rip rap, ~15 ft.

3.20 ft recovery / 4.00 ft drive.

80.0%, accepted.

1505 Head to location 1209

1510 Attempt 1

1.30 ft recovery / 3.00 ft drive, refused
43.3%, rejected.

1521 Attempt 2, move to avoid rip rap, ~15 ft.

2.10 ft recovery / 2.50 ft drive, refused
84.0%, accepted.

1530 Transfer to processing

1535 Head back to marina.

1600 Arrive at marina. Offload. Reset spds

1615 Depart. End of on-water
field day

01.11.23

40 01.12.23

TBD

0600

Arrive on site. 40's, rain
Prep paperwork, plan day
Gravity runs.

0615

E. Sloan, R. Zimmerman, K. Sanders.
Prep eqpt and core tubes;
warm up boat.

0715

W/S briefing.

0730

Depart upriver to N.E.

0755

Head to location 1071, rip rap
Attempt 1

0805

8.10 ft recovery/0.50 ft drive.
20.0%, reject.

0812

Attempt 2, in line auger from arriving
0.0 ft recovery/0.0 ft drive
0%, refused

0815

Location alerted. Hand collect?

0820

Head to location 1083

0838

Attempt 1

4.30 ft recovery/4.50 ft drive.
95.6%, accepted.

0855

Head to location ~~1084~~ to 1082

0908

Attempt 1

3.35 ft recovery/4.00 ft drive.
83.8%, accepted.

0925

Transfer to processing.

0930

Head to location 1084

01.12.23

TBD

41

0947

Attempt 1

3.25 ft recovery/4.00 ft drive
81.3%, accepted.

1010

Head to location 1010

1021

Attempt 1

3.50 ft recovery/4.00 ft drive.
87.5%, accepted.

1033

Transfer to processing.

1035

Head to location 1024 - road re-
Attempt 1

1053

Attempt 1

2.30 ft recovery/3.00 ft drive
76.3%, accepted.

1103

Head to location 1025

1128

Attempt 1

3.80 ft recovery/4.00 ft drive.
95.0%, accepted.

1138

Transfer to processing.

1145

Lunch break.

1215

Head to location 1034

1232

Attempt 1

1.90 ft recovery/2.50 ft drive, refused
76.0%, accepted.

1245

Head to location ~~1035~~ ^{re} 1033

1255

Attempt 1

2.10 ft recovery/2.50 ft drive, refused

Return to the River

42 01.12.23

TPO

1255 84.0%, accepted.

1310 Transfer to processing.

1315 Head to location 1024 (for re-do)

1335 Attempt 2

2.40 ft recovery / 3.00 ft drive

80.0%, accepted.

1353 Head to location ~~1044~~ or 1040

1415 Attempt 1

4.05 ft recovery / 4.00 ft drive.

101.3%, accepted.

1420 Transfer to processing.

1430 Head to location 1030

1450 Attempt 1

2.45 ft. recovery / ~~3.00~~ ^{3.00} ft drive

81.7%, accepted.

1505 Head to location 1020

1509 Attempt 1

1.95 ft recovery / 2.50 ft drive refusal

70.0%, rejected.

1523 Attempt 2

3.40 ft recovery / 4.00 ft drive.

85.0%, accepted

1530 Transfer to processing.

1535 Recon 1014 - need smaller vessel
to access

01.12.23

TPO

43

1540 Recon 1004 - too much rip rap,
to 20 ft out (at least).

1555 Head back to marina.

1615 At marina. Offload. Rest spuds

1630 Depart marina. End of on-water
field day


01.12.23

44 01.13.23

T.D.

0600 Arrive on site. hi 40's, showers

Prep paperwork & plan day.

0620 Gravity arrives

E. Sloan, R. Zamora, E. Sanders.

Prep boat, eqpt and core tubes.

0710 H/s briefing.

0735 Depart marina. Head upriver.

0755 Head to location 1074

0820 Attempt 1

4.40 ft recovery / 4.50 ft drive,

97.8%, accepted.

0840 Head to location 1075

10856 Attempt 1

4.35 ft recovery / 4.50 ft drive,

91.7%, accepted.

0909 Transfer to processing.

0915 Head to location 1038

10946 Attempt 1

7.40 ft recovery / 8.00 ft drive,

92.5%, accepted.

shovel = 29.0 ft to - 30.0 ft = 1.0 ft.

1000 Transfer to processing.

1015 Head to location 1023

11035 Attempt 1

9.00 ft recovery / 9.00 ft drive.

01.13.23

T.D. 45

1035 100.0 ft, accepted, shovel 23.5 ft to 30 ft = 1.2 ft.

1050 Transfer to processing.

1100 Head to location 1022

1126 Attempt 1

7.10 ft recovery / 8.00 ft drive.

98.8%, accepted. shovel = 23.5 ft to 30 ft = 1.5 ft.

1145 Transfer to processing.

1200 Lunch break.

1230 Head to location 1017

1247 Attempt 1

6.30 ft recovery / 7.00 ft drive.

90.0%, accepted. shovel = 23.5 ft to 30 ft = 1.5 ft.

1300 Transfer to processing.

1310 Head to location 1019

1334 Attempt 1

1.30 ft recovery / 4.00 ft drive - refusal

32.5%, rejected.

1405 Attempt 2

2.10 ft recovery / 2.50 ft drive - refusal

84.0%, accepted.

1425 Head to location 1027

1433 Attempt 1

3.40 ft recovery / 4.00 ft drive

85.0%, accepted.

1445 Transfer to processing.

46 01.13.23

TR

1446 Head to location 1041

1455 Attempt 1

2.30 ft recovery / 2.50 ft drive - ^{reel} 1st

92.0%, accepted.

1505 Head to location 1026

1516 Attempt 1

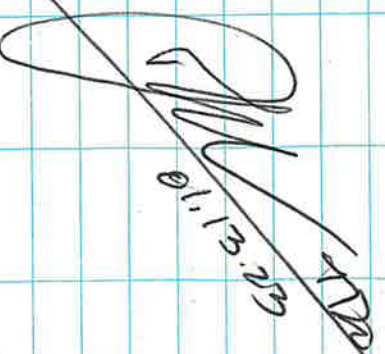
3.55 ft recovery / 4.00 ft drive
88.8%, accepted.

1530 Transfer to processing.

1540 Head back to marina.

1600 At marina. Offload. Reset spools.

1615 Depart. End of on-water field day


01.11.23

01.16.23

TD 47

0600 Arrive at marina. 40's, pty cloudy;

Prep paperwork and open bag.

0620 Crating arrives

E. Sloan, R. Zamora, K. ~~Stadler~~ ^{Stadler}

0630 Load boat, prep core tubes,

prep eqpt, supplies, and load
it's weighing.

0730 Depart marina. Head upriver

0800 Head to location 1108

0810 Attempt 1

3.55 ft recovery / 4.00 ft drive.

88.8%, accepted.

0823 Head to location 1115

0828 Attempt 1

3.30 ft recovery / 4.00 ft drive

82.5%, accepted.

0840 Head to location 1114

0842 Attempt 1

4.30 ft recovery / 4.50 ft drive

95.6%, accepted.

0855 Head to location 1120

0857 Attempt 1

3.50 ft recovery / 4.00 ft drive

87.5%, accepted.

0910 Transfer to processing.

Return to Marina

01.16.23

TD

0913 Head to location 1090

0921

Attempt 2

230 ft recovery / 300 ft drive

90.0%, accepted.

0935

Head to location 1095

0942

Attempt 1

280 ft recovery / 300 ft drive.

93.3%, accepted.

0955

Head to location 1096

1003

Attempt 1

200 ft recovery / 250 ft drive, refused.

80.0%, accepted.

1017

Transfer to processing.

1020

Reset spuds.

1030

Head downriver.

1040

Head to location 1016

1111

Attempt 1

6.15 ft recovery, 700 ft drive

87.5%, accepted.

Shovel = -29.8 ft to -30.0 ft = 0.2 ft.

1120

Transfer to processing.

1130

Head to location 1011

1146

Attempt 1

5.40 ft recovery / 6.0 ft drive.

90.0%, accepted.

Shovel = -24.3 to -30.0 ft = 0.7 ft (continued in Book 2)



- ALL PENCILS
- RITE IN THE RAIN PENS
- WAX MARKERS
- CRAYONS
- OIL PASTELS / PAINT



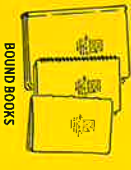
- PERMANENT MARKERS
- STANDARD BALLPOINTS



- GEL PENS
- MOST HIGHLIGHTERS
- FOUNTAIN PENS
- WATER COLORS
- ACRYLIC PAINT



products available



RiteintheRain.com

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Yes, Rite in the Rain
is a wood-based & recyclable
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The *Rite in the Rain* story began a century ago in the forests of the Great Pacific Northwest. Entrepreneur Jerry Darling recognized the logging industry's need for a durable material that could be written on and survive in poor weather conditions. Jerry developed a special coating that created a unique moisture shield on the hand-dipped sheets of paper that he and his wife, Mary, processed at their home. From these humble beginnings, our first all-weather paper was born. Over the many years we've perfected and patented our environmentally responsible coating process. Still located in Tacoma, our continued mission is to provide innovative products for professionals and enthusiasts who brave the outdoors.

01.16.23

Continued from Book 1)

TDO

1208

Transfer to processing.

1212

Head to location 1006

[1229]

Attempt 1

5.60 ft recovery / 7.00 ft drive

80.0%, accepted. shoe = -29.3 to -30.0 ft

1250

Transfer to processing.

1300

Head to location 1012

[1313]

Attempt 1

8.75 ft recovery / 9.00 ft drive,

97.2%, accepted.

shoe = -28.3 ft to -30.0 ft = 1.7 ft.

1325

Transfer to processing.

1335

Lunch break.

1400

Head to location 1159

[1426]

Attempt 1

3.60 ft recovery / 4.00 ft drive.

90.0%, accepted.

1435

Head to location 1148

[1444]

Attempt 1

1.50 ft recovery / 2.00 ft refusal,

75.0%, accepted.

1500

Transfer to processing.

1505

Head to location 1028

[1517]

Attempt 1

3.15 ft recovery / 4.00 ft drive.

01.16.23

TDO

1517

78.0%, accepted.

1527

Head to location 1032

[1532]

Attempt 1

2.40 ft recovery / 3.00 ft drive.

80.0%, accepted.

1540

Transfer to processing.

1550

Head back to marina.

1600

Arrive at marina. Offload, reset ops

1630

Depart marina. End of on-water

field day.

TDO

01.16.23

4 01.17.23

TDO

0600 Arrive on site. TDOs, overcast

Prep paperwork, plan day.

0605 Gwamty arrives.

E. Sloan, R. Zamora, K. Sanders.

Prep boat, capt, supplies, core tubes.

0700 H/s briefing.

0735 Depart marina. Head upriver

0800 Contacted Chris Connelly (Bayer)

for meet-up to discuss access. Head to Bayer site.

0810 Meeting w/ Chris. Will be moving

some vessels around 9 AM.

0830 Head to location 112B.

[0836] Attempt 1

3.05 ft recovery / 400 ft drive

36.3%, accepted.

0845 Vibracore control box is smoking.

Standing down to troubleshoot.

1010 Head to location 1130

[1033] Attempt 1

6.60 ft recovery / 300 ft drive.

94.3%, accepted.

Shoal = -19.5 to -20.0 ft = 0.2 ft.

1045 Transfer to processing.

01.17.23

TDO

1055

Head to location 116A

[1108] Attempt 1

12.00 ft sd recovery / 12.00 ft drive.

100.0% accepted.

Shoal = -15.5 to -20.0 ft = 4.5 ft.

1125 Transfer to processing.

1140 Head to location 116B

[1151] Attempt 1

3.00 ft recovery / 400 ft drive.

90.0%, accepted.

1205 Head to location 117C

[1211] Attempt 1

2.20 ft recovery / 2.50 ft drive - refusal

55.0%, accepted.

1220 Transfer to processing

1225 Head to location 118A

[1231] Attempt 1

2.10 ft recovery / 2.50 ft drive - refusal

54.0%, accepted.

1240 Lunch break.

1300 Head to location 112A

[1332] Attempt 1

3.20 ft recovery / 400 ft drive.

80.0%, accepted.

1400 Head to location 1155

6 01.17.23

TDD

1400

Attempt 1

4.00 ft. recovery / 4.00 ft. drive,
100%, accepted.

1414

Head to location 1161

1418

Attempt 1

3.50 ft recovery / 4.00 ft. drive,
87.5%, accepted.

1428

Head to location 1162

1437

Attempt 1

8.55 ft recovery / 9.00 ft. drive,
95.0% accepted,
Signal - -18.4 to $-70.0 = 16$ ft.

1500

Transfer to processing.

1505

Reset spuds.

1520

Head back to machine.

1545

At machine. off load.

1600

Depart machine. End of on-water
field day.

01.17.23

TDD

01.18.23

TDD

0600

Arrive at machine. 405, rain
Prep paperwork, plan day.
Gravity arrives

0625

E. Sloan, R. Zambora, K. Sanders.

0625

Prep boat, equipment, and
core tubes.

0725

1415 briefing.

0735

Depart machine. Head upriver.

0810

Head to location 1136

0828

Attempt 1

3.10 ft recovery / 4.00 ft. drive.
77.5%, accepted.

0842

Head to location 1142

0847

Attempt 1

2.30 ft recovery / 2.50 ft. drive, refusal
92.0%, accepted.

0905

Transfer to processing

0910

Head to location 1147

0913

Attempt 1

1.25 ft recovery / 2.50 ft. drive, refusal
50.0%, rejected.

0929

Attempt 2

1.25 ft recovery / 2.50 ft. drive, refusal.
50.0% rejected.

0945

Move out ~ 20 ft.

8 01.18.23

TD

0945 Attempt 3

1.40 ft recovery / 2.50 ft drive, refused.
56.0%, rejected.

1000 Location 1147 abandoned for
hard-collection.

1005 Head to location 1146

1009 Attempt 4

~~1005~~ 0.60 ft recovery / 4.00 ft drive,
22.5%, rejected.

1025 Abandon location for hard-collection.
Head to location 1122

1039 Attempt 1

3.05 ft recovery / 4.00 ft drive,
91.3%, accepted.

1055 Transfer to processing.

1100 Head to 1141

1103 Attempt 1

1.45 ft recovery / 2.50 ft drive, refused.
78.0%, accepted.

1111 Head to location 1133

1113 Attempt 1

3.15 ft recovery / 2.50 ft drive, refused.
86.0%, accepted.

1125 Head to location 1134

1129 Attempt 1

01.18.23

9 TD

1129 0.50 ft recovery / 2.50 ft drive, refused.
30.0%, rejected.

1140 Attempt 2

1.30 ft recovery / 2.50 ft drive, refused
52.0%, rejected.

1152 Attempt 3

1.0 ft recovery / 2.50 ft drive, refused.
40.0%, rejected.

Abandon for hard-collection.

1202 Head to location 1126

1207 Attempt 1

0.00 recovery, core tipped.

Abandon for hard-collection

1220 Hand off cores to processing.

1230 lunch break.

1300 Head to location 1180

1314 Attempt 1

1.00 ft recovery / 2.00 ft drive, refused.
50.0%, accepted.

1335 Head to location 1218

1342 Attempt 1

2.35 ft recovery / 2.50 ft drive, refused.
94.0%, accepted.

1355 Transfer to processing.

1356 Head to location 1216

01.18.23

TDD

1357

Attempt 1

1.50 ft recovery / 2.00 ft drive, refused.
75.0%, accepted.

1415

Head to location 11351423

Attempt 1

2.00 ft recovery / 2.50 ft drive, refused.
80.0%, accepted.

1438

Transfer to processing.

1440

Head to location 11401447

Attempt 1

1.85 ft recovery / 2.00 ft drive, refused.
92.5%, accepted.

1500

Head to location 1235 (c-c-d)

1509

Attempt 4

1.60 ft recovery / 2.00 ft drive, refused.
80.0%, accepted.

1530

Transfer to processing.

1540

Head back to marina.

1610

At marina. Offload, reset spuds.

1630

Depart marina. End of on-water

field day.

TDD

01.18.23

01.19.23

TDD

0600 Arrive on site. 30's, pretty cloudy.
Prep paperwork. Plan day.
Excavating zones.

0715

E. Shivan, R. Zamora, K. Sanders

0730

Prep core tubes, egypt and

0745

boat. Adjust spuds.

0755

it's briefing.

0830

Depart marina. Head upriver.

0855

Head to location 10450810

Attempt 1

3.60 ft recovery / 4.00 ft drive.
90.0%, accepted.

0830

Head to location 10520837

Attempt 1

3.05 ft recovery / 4.00 ft drive.
96.3%, accepted.

0850

Head to location 1057

0858

Attempt 1

1.80 ft recovery / 4.00 ft drive.
45.0%, rejected.

0916

Attempt 2

3.50 ft recovery / 4.00 ft drive.
87.5%, accepted.

0930

Transfer to processing.

0940

Head to location 1051

12
01.14.23

TDO

0945 Attempt 1

1.2 ft recovery / 4.00 ft drive, tip-over
30.0%, rejected

0955

Attempt 2

2.10 ft recovery / 2.50 ft drive, refusal.
84.0%, accepted.

1015

Head to location 1125

1032

Attempt 1

4.30 ft recovery / 5.00 ft drive.
86.0%, accepted.

1042

Head to location 1132

1046

Attempt 1

3.20 ft recovery / 4.00 ft drive.
80.0%, accepted.

1055

Transfer to processing.

1100

Prep more core tubes.

1115

Head downriver.

1125

Head to location 1004
moved 15.00 ft off target to
avoid tip-over, probed earlier.

1131

Attempt 1

2.00 ft recovery / 4.00 ft drive, refusal.
50.0%, rejected.

1140

Attempt 2

2.00 ft recovery / 4.00 ft drive, refusal

01.14.23

TDO
13

1140

50.0%, rejected.

1155

Attempt 3

3.00 ft recovery / 3.50 ft drive, refusal
85.7%, accepted.

1215

Head to location 1003

1225

Attempt 1

3.60 ft recovery / 4.00 ft drive.
90.0%, accepted.

1235

Transfer to processing.

1240

Line break.

1310

Head to location 1082 (redo)

1340

Attempt 2

3.60 ft recovery / 4.00 ft drive.
90%, accepted.

1350

Transfer to processing.

1405

Head to location 1121

1420

Attempt 1

0.85 ft recovery / 4.00 ft drive, refusal
21.3%, rejected

1432

Attempt 2

1.20 ft recovery / 2.00 ft drive, refusal
60.0%, rejected

1451

Attempt 3

1.30 ft recovery / 4.50 ft drive, refusal.
28.9%, rejected

14 01.19.23

TDe

- 1502 location abandoned for band collection.
- 1515 Head back towards manana.
- 1545 Arrive at manana. Offload. Rest spuds.
- 1600 Depart manana. End of on-water field day.

02.05.23

TDe

15

- 0500 Arrive at boat camp.
- 400, sunny. Heat up w/ PSS
- E. Parker, R. Brown, Tdn. Guillotte
- Rep boat, supplies, preparation.
- 0805 H/S briefing.
- 0830 Head upriver to PPM.
- 0850 1204 still occupied by curve long
- 0910 Head to location 1236
- 0945 Attempt 1
- 3.00 ft recovery / 5.10 ft. drive.
- 50.8% reject.
- 1004 Attempt 2
- 3.40 ft recovery / 5.50 ft drive.
- 32.0% reject. OK to accept pressure
- 1040 Attempt 3
- 3.70 ft recovery / 4.50 ft drive.
- 66.7% reject.
- 1050 Talked to Suzanne, keeping 2nd attempt (best recovery)
- 1115 Switch gears to surface grabs
- 1128 Grab 1, 27cm pen., accepted.
- 1145 At location 1237
- 1152 Grab 1, 26 cm pen. accepted.
- 1209 At location 1150
- 1211 Grab 1, 25 cm pen. accepted.

16
02.05.23

TD

1215

Head downriver.

1132 - occupied.

1125 - occupied.

1056 - blocked by my boat.

1240

At location 1008

1245

Attempt 1, 27.5 cm pen accepted.

1300

Switch back to coining eqpt.

1330

Attempt 2

40.7 ft rearing / 5.10 ft drive.

91.6% accepted.

1410

Head to location 1014

1424

Attempt 1

A 40 ft rearing / 5.10 ft drive,

86.3% accepted.

1510

Head to location 1013

1525

Attempt 1

44.0 ft rearing / 5.10 ft drive.

86.3% accepted.

1615

Head to location 1015

1630

Attempt 1

38.3 ft rearing / 5.10 ft drive.

75.1% accepted.

4.25 ft rearing / 5.10 ft drive.

89.3% accepted.

1700

Transfer to processing ahead to

02.05.23

TD 17

boat ramp.

1715

At boat ramp. Offered. Help

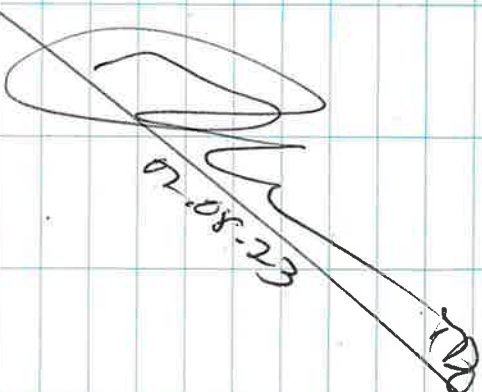
processing crew, (end of on-ramp)

field day.

End of processing.

Field trailer.

Depart



18
03.02.23

172

0830 Arrive at Harbor Island Marina.

30's, overcast, windy. Meet

up w/ Granby, E. Sloan, K. Sanders.

0835 Load supplies. Prep boat/papers.

0845 H/S briefing. Depart marina.

0915 Pick up Claire Johnston and

head over to T145

0923 At location 1000

0927 Grab #1, overpenetrated, rejected.

0933 Grab #2, 30.0 cm, accepted.

0954 At location 1039

0956 Grab #1, 17.0 cm, accepted.

1005 At location 1036

1012 Grab #1, 21.0 cm, accepted.

1015 At location 1044

1022 Grab #1, 30.0 cm, accepted.

1030 At location 1048

1032 Grab #1, 25.0 cm, accepted.

1040 At location 1054

1041 Grab #1, 28.0 cm, accepted.

1045 At location 1057

1050 Grab #1, 21.0 cm, accepted.

1100 Bear switch to coring eqpt.

1130 At location 1054, set anchors.

1156 Attempt 1

03.02.23

172 19

1156 3.60 ft. recovery / 400 ft. drive.

90.0% accepted.

1200 At location 1048, set anchors

1227 Attempt 1

3.30 ft recovery / 4.00 ft drive.

52.5% accepted.

1245 Transfer to processing, Claire departs.

1250 Head to T145 to collect cores.

1300 At location 11037, set anchors

1319 Attempt 1

Core tipped over, no recovery.

Rejected.

1329 Attempt 2

2.45 ft recovery / 3.00 ft drive.

81.6% accepted (very soft)

1350 At location 1036, set ~~anchors~~ ^{anchors}

1409 Attempt 1

2.30 ft recovery / 3.00 ft drive.

76.7% accepted (very soft)

1430 At location 1044

1506 Attempt 1

3.80 ft recovery / 4.00 ft drive.

95.0% accepted.

1525 Transfer to processing

1530 Head up to S. Port to hang to

203.02.23

TBD

- (1530) collect 55026
 1545 Set up for grab sampling.
 1600 At location 55026
 1604 Grab 1, 230.0 cm, OP - rejected.
 1608 Grab 2, 0 cm, rock in grab, rejected.
 1611 Grab 3, 14.0 cm, accepted, rejected
 (too far to EAT)
 1625 Grab 4, 17.0 cm, accepted, confirmed.
 1642 Head to boat ramp (1st Ave)
 to drop off sample.
 1650 Recan 1104 & 1105 for tomorrow.
 1700 Can only get w/in 30 ft. of
 target, not w/in 10 ft.
 1705 Drop off sample w/ Processing
~~head~~ head back to marina.
 1725 At marina. offload.
 1730 Depart marina. End of on
 water and field day.

03.02.23

JTB

03.03.23

TBD

21

- 0820 Arrive at 1st the group to
 meet Gravity crew. E. Sloan &
 Ched Everlie. 38° overcast, windy.
 0830 H/S briefing. Head to Seafac
 Marine.
 0840 At location 1107, set anchors
 0844 Attempt 1
 0 recovery / 3.2 ft dive.
 sediment washed out, rejected.
 10858 Attempt 2
 3.20 ft recovery / 4.0 ft dive.
 80.0%, accepted.
 0920 At location 1106
 0932 Attempt 1
 3.20 ft recovery / 4.0 ft dive.
 90.0%, accepted.
 0945 Switch gear to collect grabs.
 0950 At location 1106
 0957 Grab 1, 230.0 cm, rejected, OP
 1000 Grab 2, 15.0 cm, accepted.
 1015 Transfer cans to processing
 At location 1107, Kristen Venus
 (EPA oversight) embarks.
 110211 Grab 1, 29.0 cm, accepted
 1035 At location 1111

22 03.03.23

TD

11036

Grabs 1, 30.0 cm, accepted.

1055

At location 1113

11058

Grabs 1, 17.0 cm, accepted

11066

At location 1119

11077

Grabs 1, 18.0 cm, accepted.

11118

At location 1118

11125

Grabs 1, 23.0 cm, accepted

1140

Swirl gear to collect cores.

1145

At location 1118

1149

Attempt 1

2.20 ft away / 2.50 ft dive.

88.0% accepted.

1200

Lunch break.

1220

Dry of core and samples to processing team; Kristen

Keens departs

1230

Head downriver to check other

site access.

1240

Slip 2 locations currently occupied

by barges (1026 & 1029).

1420

At location 1111

1435

Attempt 1

4.00 ft away / 5.00 ft dive.

92.0% accepted.

1415

At location 1104, set anchors.

03.03.23

TD 23

11026

Attempt 1

3.00 ft away / 4.00 ft dive.

95.0% accepted.

1030

Transfer to processing; swap

eqpt for surface gears

1035

At location 1104

11043

Grabs 1, 20.5 cm, accepted.

1700

At location 1105

1703

Grabs 1, 21.0 cm, accepted.

1715

Head back to boat ramp.

1730

Arrive at ramp. Offload

1735

supplies and samples. End

1800

of on water day.

1800

Help break down/demol

1800

processing site.

1800

Depart site. End of field day

 03.03.23

03.30.2023

S. Replinger

0930 Arrive at Herber Island Manua.

Crew: S. Replinger

Claire Christensen } unawaia

Ed. Slien (Gravty)

Eric Dietus (Gravty)

Weather: overcast 403/508

1005 Conduct H45 briefing

1015 Depart Herber Island Manua.

1030 Arrive at SS1026 - prep for sampling.

1037 First attempt at SS1026. Accepted.

1110 First attempt at SS1125. Accepted.

1130 First attempt at SS1132. Accepted.

1145 Finish collecting grabs. Head to check

access to coves at 1204 and 1029.

1155 Location 1204 blocked by the Pacific

litter (crane barge). About 110 ft to

south of the north end of barge.

Martin Ray does not appear to be

bleaching loc. 1204. Target is approximately

between the two barges.

1220 Dropped samples off with note on RSS

for cover delivery to APL.

1230 Location 1029 blocked by barge

at Glacier (Ship 2).

03.30.2029

S. Replinger

1235 Head back to Herber Island Manua.

1250 Arrive at Herber Island Manua. Offload

Supplies.

1300 Depart H1 Manua

S. Replinger
03.30.2023

26 04.10.23

TD₂₆

- 0920 Arrive at SPL, 40°, rain.
 Bluet up w/ gravity (E. Sloan, E. Tietz) and Cal Linda
 Veta - Practition. &
 Load supplies.
 0935 1145 briefing.
 0945 Depart marina for Pac. Pile.
 0955 At location 1204, set anchors.
 0958 Tug activity, standing down.
 1123 Attempt 1
 4:30 ft recovery / 4:50 ft drive
 9.56% accepted.
 1125 Pull up anchors, and load
 back to marina.
 1145 At marina. Pick up crew,
 S. Replinger, C. Christensen (was)
 and J. Cooper (skid). Load
 supplies.
 1200 1145 briefing.
 1205 Head downriver for intertidal
 sampling.
 1243 Collect SS1223
 1245 Collect IT1223
 1315 Collect SS1233
 1317 Collect IT1233

04.10.23

TD₂₇

- 1335 Collect SS1231
 1337 Collect IT1231
 1400 Collect SS1147
 1402 Collect IT1147
 1427 Collect SS1047
 1441 Collect SS1114
 1505 Collect SS1086
 1509 Collect IT1086
 1525 Collect IT1087
 1545 Collect SS1079
 1555 Collect SS1072
 1609 Collect SS1062
 1611 Collect SS1068
 1633 Collect SS1049
 1635 Collect IT1049
 1650 Collect SS1042
 1652 Collect IT1042
 1700 Collect SS1043
 1703 Collect IT1043
 1710 Head upriver to marina.
 1725 At South Park Marina. Offload
 samples.
 1845 Depart marina. End of cruise
 and field day TD₂₇

041023

Return to Base.

28 041023

TD

0700 Arrive at Saqr Park Marina.

Met up w/ Gravity (E Sloan,
E. Peters). Load boat, prep.0730 S. Leplunga & Chien Christine (car),
LaNab Bratstrom (car) & Jordan
Bovels (Skid) arrive. Load boat

0745 H/S briefing.

0750 Depart marina. Head downriver.

0800 At location 1021, set anchors.

0842 Attempt 1

2.65 ft recovery / 3.00 ft drive.

98.2%, accepted.

0900 Called Glen & Amrout (Muckleshoot)

to let him know we are heading
to sample at Muckleshoot site.0910 Kristen Kerns (AIDE) over sight
arrives.

0920 At location 1098, set anchors

10930 Attempt 1

2.60 ft recovery / 3.00 ft drive.

96.7%, accepted.

1010 At location 1099, set anchors.

1020 Attempt 1

2.20 ft recovery / 2.50 ft drive

98.0%, accepted.

04.11.23

TD 29

1130 At location 1102, set anchors

1149 Attempt 1

3.40 ft recovery / 3.50 ft drive.

97.1%, accepted.

1155 swap cap to get grabs

1216 collect grab SS1102, 30 min, accept1248 Collect SS1099, 20 min, accept.1310 Drop off Kristen Kerns at
boat ramp, and transfer

samples to lab courier

1321 Collect SS1098, 29.0, accept1400 Collect SS1071 } 2000 ft under bridge
with above waterline
with 1 ft mud

1402 Collect IT 1071

1418 Collect SS10781438 Collect SS1067

1440 Collect IT 1067

15051530 Collect SS1807

15071532 Collect IT 1807

15091548 Collect SS185515341545 Collect IT 18551543 Collect SS10501545 Collect IT 10501558 Collect SS10341622 Collect SS1806

1625 Collect IT 1806

30 04.11.73

TD

Location 1035 is on long nip rap beyond intertidal zone (past 30ft radius). Unable to sample.

1700 Head back to manna.

1715 At manna. Offload supplies and sample.

1730 Depart manna. End of on-water field day.

~~1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
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8500
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8900
9000
9100
9200
9300
9400
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9600
9700
9800
9900
10000~~

05.08.73

TD 31

0800 Arrive at Harbor Island Manna.

500s, sunny. Meet up w/ crew.

TD, S Replinger, Claire Zurek, Christensen

Wind Ute - Brattstrom - Cud

Jordan Cooper - Skill

Ed Siwan & Jalle Langdon (brandy)

Load supplies.

0900 H&S briefing

0915 Depart manna.

0925 Arrive in slip 2 to recon grid

area around 1035. Probed around

boundary of grid and around

original target coordinates. All

nip rap to beyond boundary.

20m collected sample at alternate

target coordinates for 1035.

Location 1035:

0957 Attempt 1:

1.15 ft recovery / 4.00 ft dive

refused / tipped over, 28.0% rejected.

1007 Attempt 2:

0.50 ft recovery / 1.00 ft dive.

refused. 50.0% rejected.

1016 Attempt 3:

Return to manna.

05.08.23

TDO

(1016)

8.00 ft recovery/2.00 ft drive.
refusal, 50.0% rejected.
Move further off from target

1020

1024

Attempt 4:

2.90 ft recovery/3.00 ft drive
refusal, 96.7%, accepted

1035

Switch eqpt to get co-located
grab sample at 551035

1044

Attempt 1: 27.0 cm, accepted.

1100

Process core

1135

Roll up awlheads, head upriver
for intertidal sampling.

1150

At locations 1107 and 1814

1200

Collect SS 1107

1205

Collect IT 1107

1220

Collect SS 1814

1225

Collect IT 1814

1255

At location 1815

1320

Collect SS 1815

1325

Collect IT 1815

1355

Head to location 1134

1410

Collect SS 1134

~~Collect IT 1134~~ unable to collect.

1415

Head to location 1146

1419

Collect SS 1146

05.08.23

TDO 33

1437

Collect IT 1146

1428

Head to location 1121

1431

Collect IT 1121

1440

Head to location 1126

1445

Collect SS 1126

(IT 1126 unable to collect)

1500

Set up vibrocoring eqpt.

1533

Attempt 1

50 ft recovery/1.0 ft drive
refusal, 50.0%, reject.

1540

Attempt 2

50 ft recovery/1.0 ft drive
refusal, 50.0%, reject

1606

Attempt 3 (subtidal)
0.25 ft recovery/2.0 ft drive

refusal, 12.5%, rejected.

1617

Attempt 4 (subtidal)

0 ft recovery, <1 ft drive
0%, refusal, rejected.

1622

Attempt 5 (subtidal)

0 ft recovery, <1 ft drive
0%, refusal, rejected.

1628

will not attempt any more

1630

coring for 1126.

1630

Head to 1st Ave ramp to

0508123

JDB

(1630) transfer samples to lab container.

1640 At camp. Transfer to container,
head back to Harbor Island
main.1700 At main. Offload supplies
1715 Depart main. End of on-water
field day.

JDB

JDB
0508123

2 K. McPeck

12/8/22

- 0645 Meet at SPM to prep for collecting
Surface sed. Samples in Slip 4.
Weather: rain, 40s
Crew: K. McPeck } windward
C. Christensen }
P. Jenkins }
E. Sloan } Gravity
M. Duffield }
- 0730 Conduct H&S meetings
Prep supplies for sampling
- 0745 Depart SPM for Slip 4
- 0750 Notify Zach Jenkins - on our way to
Slip 4
- 0800 Scope access to location 1245 and
update S. Reppinger and R. Gardner.
Location is mostly blocked by a
barge; will attempt collection when
flaws are more favorable
- 0803 Collect sample at SS1253;
Attempt 1 over-penetrated
- 0806 Attempt 2 @ SS1253, over-penetrated
- 0816 Attempt 3 @ SS1253, accepted
- 0836 Collect grab @ SS1254
Attempt 1, over-penetrated
- 0839 Attempt 2, accepted
- 0843 K. Kerns arrives for over-sight

K. McPeck

12/8/22

3

- 0857 Collect grab @ SS1255, accepted
- 0916 Collect grab @ SS1257, accepted
- 0935 Collect grab @ SS1258, accepted
- 0954 Collect grab @ SS1259, accepted
- 1012 Collect grab @ SS1260, accepted
- 1032 Collect grab @ SS1262
Attempt 1, under-penetrated
- 1036 Attempt 2, accepted
- 1054 Collect grab @ SS1263, accepted
- 1114 Collect grab @ SS1245 (up against
barge, within 10' radius of target),
accepted
- 1130 K. Kerns departs grab sampling boat
for processing tent
- 1135 Depart Slip 4 for SPM + notify Z. Jenkins of
exit
- 1145 Arrive SPM, lunch break
- 1205 QC grab sample labels, undried supplies
- 1245 C. Christensen departs for processing tent
- 1305 K. McPeck departs SPM

K. McPeck

12/8/22

Return to Room

4 K. McPeck

1/3/23

0700 K. McPeck arrives Herber Island Marina,

organic supplies and paperwork

Weather: 40s, overcast

0800 Meet crew:

Andy Zaack: Clearway

Eric Parker } RSS

River Brown

Load supplies, prep for sampling

0840 HRS Meeting

0915 Depart Herber Island Marina

0932 Collect grab at SS1002, accepted

1001 Collect grab at SS1001, accepted

Note: SS1000 is currently blocked by

a barge, notified S. Ruppinger

1024 Collect grab at SS1199, accepted

collected field duplicate @ SS1199

1050 Collect grab at SS1191, accepted

collected field duplicate @ SS1191

1108 Collect grab at SS1177, accepted

collected field duplicate @ SS1177

1131 Collect grab at SS1156, accepted

collected field duplicate @ SS1156

1148 Attempted to access SS1150, blocked

by barge

1153 Collect grab at SS1143, accepted

collected field duplicate @ SS1143

K. McPeck

1/3/23 5

1210 Head to processing facility for restroom

break

1233 Collect grab at SS1137, accepted

1248 Collect grab at SS1138, accepted

1301 Collect grab at SS1144, accepted

1320 Collect grab at SS1157, accepted

1340 Collect grab at SS1163, accepted

1355 Collect grab at SS1166, accepted

1407 Collect grab at SS1172, accepted

1420 Collect grab at SS1174, accepted

Attempt 1: rejected, debris in jaws

1425 Attempt 2 @ SS1174, accepted

1444 Attempted to access SS1219, blocked by

barge

1450 Collect grab at SS1232, accepted

Attempted to access SS1237, blocked

by barges. Can get within 1/2 ft of

target from behind barges but loc

is necessary, did not collect.

1530 Head to Herber Island Marina to QC

Samples

1600 Transfer samples to processing area

for courier pickup

1615 Depart Herber Island Marina, all-water

Return 1/3/23

Return to Herber

6 S. Replinger

1/4/2023

0645 Arrive at Harker Island. Move to prep for

Sampling at H&S grab samples.

Weather: Clear, 48°

0710 Load supplies, meet crew.

Crew: S. Replinger - Winthorn.

Andy Zwick - Clearing

Eric Parker } RSS

River Brown

0730 Contact H&S hatching.

0750 Repair Harbor Island Mooring.

0810 Pick up Sasha Williams (designated)

at Boat Ramp. Contact H&S hatching.

0830 First attempt at SS1264. Rejected

0832 Second attempt at SS1264. Rejected.

0840 Third attempt at SS1264. Accepted (G)

0852 First attempt at SS1264. Accepted. Rejected

0855 Second attempt at SS1264. Accepted. Split collected

About 6 ft away from target.

0910 First attempt at SS1275. Accepted.

Collected Split for Silver Bay.

0925 First attempt at SS1272. Accepted.

0940 ~~Split~~ Sasha Williams departs via support

vessel. Head to Pacific Pile area.

0950 First attempt at SS1235. Accepted.

1007 First attempt at SS1224. Accepted.

S. Replinger

1/4/2023

1020 Location SS1214 blocked by barge.

1025 First attempt at SS1212. Accepted.

Also collected FD (LDW23-SS1212-FD).

1052 First attempt at SS1211. Rejected.

1055 Second attempt at SS1211. Accepted.

1120 First attempt at SS1203. Accepted.

1130 Inshyged 1204 - under barge, could

likely get grab w/in 20-30 ft of target.

1139 First attempt at SS1202. Rejected.

1141 Second attempt at SS1202. Rejected

1145 Third attempt at SS1202. Rejected.

Significant debris in array, hand-collect at

low tide.

1157 First attempt at SS1189. Accepted.

1210 Head to processing facility for supplies

and restroom break for crew.

1255 First attempt at ~~SS1275~~ ^(G) SS1267.

Accepted. Also collected FD (LDW23-SS1267-FD)

1320 First attempt at SS1274. Accepted.

1333 First attempt at SS1273. Accepted.

1350 First attempt at SS1251. Accepted.

1407 First attempt at SS1240. Accepted.

1415 Inshyged? loc. SS1238 - not accessible

due to barge.

1430 First attempt at SS1230. Accepted.

Return to the Bay.

S. Replinger

1/4/2023

- 1450 First attempt at SS1229. Accepted.
 1507 First attempt at SS1228. Accepted.
 1520 Finish processing last sample and head to boat ramp to AC
 1530 Arrive at boat ramp and AC samples. Hand off coolers and COLs to Annexa Vandenvent.
 1555 Depart boat ramp and head back to Harbor Island Marina.
 1610 Arrive at Harbor Island Marina. Offload supplies and prep for sampling for Thursday.
 1630 Depart Marina.
 End of field day.

S. Replinger
 1/4/2023

K. McPeck

1/5/23

- 0645 K. McPeck arrives Harbor Island Marina, prep for sampling weather: yes, cloudy
 0705 Meet crew, load supplies
 Crew: K. McPeck - Windward
 A. Zuck - Clearway
 E. Parker > RSS
 A. Brown >
 0720 Conduct AHS meeting
 0740 Depart Harbor Island Marina
 0815 Collect grab at 1276; accepted
 collected field duplicate @ SS1276
 0835 Collect grab at SS1270; accepted
 collected field duplicate @ SS1270
 0857 Collect grab at SS1265; accepted
 collected field duplicate @ SS1265
 0915 Collect grab at SS1247; accepted
 collected field duplicate @ SS1247
 0948 Collect grab at SS1226
 Attempt 1 rejected - jaws not triggered
 0951 Attempt 2 @ SS1226; accepted
 1007 Collect grab at SS1225; accepted
 collected field dup @ SS1225
 1030 Collect grab at SS1221; accepted
 1048 Collect grab at SS1220; accepted

Return to Room

K. McPeck

1/5/23

- 1100 Head to processing facility for
restroom break and supplies
- 1130 Depart processing facility to retrieve
Sampling
- 1146 Collect grab at SS1214, accepted
- 1202 Collect grab at SS1208, accepted
- 1217 Collect grab at SS1207
- Attempt 1 rejected; weed in jaws
- 1219 Attempt 2 @ SS1207, accepted
- 1234 Collect grab at SS1193, accepted
- 1250 Collect grab at SS1184, accepted
- 1306 Collect grab at SS1182, accepted
- 1335 Collect grab at SS1175, accepted
- 1357 Collect grab at SS1154, accepted
- 1416 Collect grab at SS1149, rejected
- Attempt 1: underpenetrated
- 1421 Attempt 2 @ SS1149: rejected; under-penetrated
- 1433 Attempt 3 @ SS1149: accepted
- 1452 Collect grab at SS1130, accepted
- 1502 Head to 1st Arc S boat ramp area to
QC Samples
- 1530 Transfer samples to processing crew
and depart for marina
- 1550 Arrive marina, unload boat
- 1615 Depart marina, off-water

Kinkadee

K. McPeck

1/6/23

- 0645 Arrive Harbor Island Marina
- 0700 Weather: VWS, cloudy
Meet crew; load supplies
- Crew: Kate McPeck: Windward
- Andy Zocell: Clearway
- Eric Parker > RSS
- River Brown
- 0730 Conduct HOS meeting
- 0750 Depart marina
- 0828 Collect grab at SS1205, accepted
- 0845 Collect grab at SS1196, accepted
- 0901 Collect grab at SS1195, accepted
- 0919 Collect grab at SS1187, accepted
- 0936 Collect grab at SS1188, accepted
- 0952 Collect grab at SS1179, accepted
- 1008 Collect grab at SS1213, accepted PM
- Attempt 1: rejected; overpenetrated
- 1024 Attempt 2: accepted
- 1036 Collect grab at SS1212
- Attempt 1: over rejected; over-penetrated
- 1040 Attempt 2: rejected; over-penetrated
- Modifying sampler for S.H. sediment
- 1104 Attempt 3: accepted
- 1122 Collect grab at SS1173, accepted
- 1141 Collect grab at SS1160, accepted

Return to the beam.

12 K McPae

- 1/6/23

1155 Head to processing facility for break
and supplies
1215 Depart processing facility to resume
sampling
1229 Collect grab at SS1152, 'accepted'
1243 Collect grab at SS1131, 'accepted'
1257 Collect grab at SS1129, 'accepted'
1315 Collect grab at SS1124, 'accepted'
1329 Collect grab at SS1123, 'accepted'
1344 Collect grab at SS1116, 'accepted'
1400 Collect grab at SS1110, 'accepted'
1413 Collect grab at SS1109, 'accepted'
1426 Collect grab at SS1092, 'accepted'
1450 Collect grab at SS1091, 'accepted'
1505 QC samples
1540 Transfer samples to processing crew,
head to marina
1600 Arrive marina, inventory supplies, unload
1630 Depart marina, off-watches

~~K. McPae~~

1/6/23

K McPae

1/9/23

13

0645 Arrive Harbor Island Marina,
organize supplies
0700 Meet crew:
K McPae - Winward
H. Zwick - Clarity
R. Brown > RSS
E. Parker
load supplies
0730 Hts meeting
0745 Depart marina, notify Z. Jenkins and T.
0814 Attempt 1 @ SS1281, ^{Bins for supply}
rejected - under-penetrated
0819 Attempt 2 @ SS1281, 'accepted'
0837 Attempt 1 @ SS1280, 'accepted'
0856 Attempt 1 @ SS1279, 'accepted'
0910 Location SS1278 blocked by barge,
notified S. Kiplinger
0944 Attempt 1 @ SS1250, 'accepted'
0935 Attempt 1 @ SS1249, 'rejected - under-
penetrated'
0941 Attempt 2 @ SS1249, 'accepted'
0950 Notified Z. Jenkins and T. Boas -
done in slip 4 for today
1001 Attempt 1 @ SS1222, 'accepted'
1024 Attempt 1 @ SS1215, 'accepted'

Return to Base

14 K. McPeak

1/7/23

- 1040 Head to processing facility for ashroom
1055 Depart processing facility
1111 Attempt 1 @ SS1185, accepted
1125 Check access of locations (per request by S. Rappinger):
1128: currently accessible right at the end of barge
1127: accessible, might be partially armored
1122: blocked by barge
1120: accessible but armored, hand-collect
1114: not accessible by boat due to barge line, likely armored, hand-collect
1108: blocked by barge
1066: in boat slip @ Dutchman Marina, accessible for boat up to ~12' wide
1061: blocked by small sailboat, tight quarters due to other vessels; ~~might be~~ ^{may} sampleable @ ~10 ft up against sailboat
1056: currently accessible
1220 lunch break
1241 ~~Attempt 1 @ SS1077~~, rejected - under-penetrated

K. McPeak

1/9/23

15

- 1301 Attempt 2 @ SS1077, rejected - rock in jaws
1307 Attempt 3 @ SS1077, accepted
1337 Attempt 1 @ SS1070, accepted
1351 Attempt 1 @ SS1065, accepted
1409 Attempt 1 @ SS1064, accepted
1426 Attempt 1 @ SS1060, accepted
1443 Attempt 1 @ SS1058, accepted
1458 Attempt 1 @ SS1053, accepted
1514 Attempt 1 @ SS1047, accepted
1530 Head to ramp to AC samples
1600 Transfer samples to processing facility, head to marina
1615 Arrive marina, unload and inventory supplies
1630 Depart marina, offwater

~~Leave~~

Return to Room

16 K. McPeak

11/10/23

0645 Arrive Harbor Island Marina

0700 Meet crew:

Eric Parker > RSS

Ritzer Brown

Andy Zacek - Clewunay

Kate McPeak - Windward

Weather: 40s, cloudy

Load supplies, prepare for sampling

0730 HTS meeting

0745 Depart marina to begin sampling

0810 Check access @ 1237 + 1238: SHH

blocked by barges

0824 Attempt 1 @ SS1277, accepted

0843 Attempt 1 @ SS1271, accepted

0904 Attempt 1 @ SS1266, accepted

0920 Attempt 1 @ SS1248, accepted

0935 Attempt 1 @ SS1239, accepted

0954 Attempt 1 @ SS1213, accepted

1010 Attempt 1 @ SS1200, accepted

1025 Head to processing facility for restroom

1040 Depart ramp to resume sampling

1056 Attempt 1 @ SS1178, accepted

1108 Attempt 1 @ SS1171, accepted

1128 Attempt 1 @ SS1112 (collected as close to

target as possible, next to barge -

~ 8 ft from target), accepted

K. McPeak

11/10/23

17

1144 Attempted to access SS1105, blocked

by barge

1156 Attempt 1 @ SS1039, accepted

1215 Lunch break

1235 Attempted to access SS1021, blocked by

barge

1240 Attempted to access SS1015, blocked by

barge

1245 SS1010, SS1005, SS1000: blocked by

barges

1248 Attempt 1 @ SS1007, accepted

1308 Attempt 1 @ SS1003, accepted

1320 Restroom break

1333 Attempted to access SS1113, blocked by

barge

1343 SS1119 blocked by barge

1400 QC samples

1415 Transfer samples to processing crew

1425 Depart boat ramp for marina

1440 Arrive marina, unload

1500 Depart marina, off water

11/10/23

Return to Room

S. Replinger

1.11.2023

0700 Arrive at Harbor Island Manna.

Prep for sampling.

0730 Load supplies onto vessel. Meet up w crew

Weather: partly cloudy, showers, 40sCrew: S. Replinger
C. Christensen } WinwardEric Parker } RSS
River Braun }

0745 Conduct H&S briefing

0800 Depart Harbor Island Manna.

0825 First attempt at SS1021. Accepted.

0837 First attempt at SS1015. Accepted.

0850 Head to ship to check access.

Location 1278 still blocked by barge. Contact
Jasper Boas - he will get back to us
regarding schedule.

0918 First attempt at SS1164. Accepted.

0935 First attempt at SS1158. Accepted.

0950 First attempt at SS1151. Accepted.

1007 First attempt at SS1145. Accepted.

1020 First attempt at SS1139. Accepted.

1040 First attempt at SS1117. Accepted.

1055 Arrive at boat ramp; quick break.

1115 First attempt at SS1103. Accepted.

1128 First attempt at SS1100. Accepted.

S. Replinger

1.11.2023

1143 First attempt at SS1096. Accepted.

1219 First attempt at SS1094. Accepted.

1240 First attempt at SS1066.

Located between two boat houses in
the manna.

1303 First attempt at SS1061. Accepted.

1315 Checked access to SS1056; currently
blocked by tug.

Checked access at other locations →

1054 - currently under barge

1048 - currently under barge.

1049 - high elevation internal
(elev ~6.5 ft)1041 - currently ~20 ft beyond line
(not accessible).

1013 - currently under barge (Confirmed)

1008 - under barge

1003/1004 - accessible.

1340 Arrive at boat ramp to do samples.

1405 Transfer samples to Anna Vandervert.

1420 Arrive at Harbor Island Manna.

Wrap up & offload supplies.

1435 Depart Harbor Island Manna

20 1/17/23

K. McPeak

0630 Arrive Harbor Island Marina,

prepare for sampling

0700 Load boat, meet crew

Weather: 40s, cloudy

Crew: K. McPeak - windward

Andy Zacek - Cleerway

Eric Parker > RSS

River Brown

0730 H/S meeting

0740 Depart Marina, notify J. Boas - on our way to Slip 4

0810 Attempt 1 @ SS1278, accepted

0830 Tried to access SS1279, still blocked by barge

0837 Attempt 1 @ SS1209, rejected - winnowed

0843 Attempt 2 @ SS1209, accepted

0901 K. Kerns arrives via shuttle boat for oversight; conduct H/S briefing

0920 Attempt 1 @ SS1108, accepted

0954 Attempt 1 @ SS1120, accepted.

1015 Tried to access SS1114, need to return when wind is calmer due to barge line. Quick afternoon break.

1030

Head to Boyer property to follow along boat as barges are moved

1/17/23

K. McPeak

1109 Attempt 1 @ SS1170, rejected - over-

penetrated

1117 Attempt 2 @ SS1170, accepted

1211 Attempt 1 @ SS1168, accepted

1223 Attempt 1 @ SS1176, accepted

1314 Attempt 1 @ SS1181, accepted

1316 K. Kerns departs

1338 Attempt 1 @ SS1159, accepted

1419 Attempt 1 @ SS1155, accepted

1432 Attempt 1 @ SS1161, accepted

1452 Attempt 1 @ SS1162, accepted

1505 Confirmed 1150 is still blocked by a barge

1511 Attempt 1 @ SS1114, rejected - rock in jaws

1515 Attempt 2 @ SS1114, rejected - rock in jaws

1519 Attempt 3 @ SS1114, rejected - log in jaws

Will return to SS1114 later to hand collect

1530 Return to boat ramp to QC samples

1550 Transfer samples to processing crew, depart for marina

1620 Arrive marina, unload, off-coast

~~Return to River~~

Return to River

22 1/18/23 K. McPeck

0645 Arrive Herbar Island Marina, prep
Supplies

0700 Meet crew, load boat
Weather: 40s, rain
Crew: Kate McPeck - Windward
Amy Zuck - Clearway
Eric Parker - ASS
River Brown

0730 H+S meeting

0745 Depart Marina

0810 Attempt 1 @ SS1127, accepted

0845 Attempt 1 @ SS1128, accepted

0913 Attempt 1 @ SS1097, rejected -
under-penetrated

0919 Attempt 2 @ SS1097, rejected -
under-penetrated

0922 Attempt 3 @ SS1097, rocks in jaws
& not intertidal (rejected)

0925 Attempt 4 @ SS1097, rejected -
obvious in jaws & under-penetrated
Location will need to be hand-
collected at a later date

0930 Head to boat ramp for restroom break

0952 Attempt 1 @ SS1095, accepted

1010 Attempt 1 @ SS1090, accepted

1024 Attempt 1 @ SS1089, rejected - under-penetrated

1/18/23 E. McPeck 23

1028 Attempt 2 @ SS1089, rejected -
under-penetrated, added weights

1043 Attempt 3 @ SS1089, accepted

1053 Attempt 1 @ SS1122, accepted

1111 Attempt 1 @ SS1088, accepted

11128 Attempt 1 @ SS1085, accepted

1142 Attempt 1 @ SS1084, accepted

1200 Lunch break

1235 Attempt 1 @ SS1083, accepted

1247 Attempt 1 @ SS1082, accepted

1304 Attempt 1 @ SS1081, accepted

1320 Attempt 1 @ SS1079, rejected - no recovery

1324 Attempt 2 @ SS1079, rejected - no recovery

1327 Attempt 3 @ SS1079, rejected - no recovery
Location will need to be hand-
collected at a later date

1338 Attempt 1 @ SS1078, rejected - rock in jaws

1341 Attempt 2 @ SS1078, rejected - no
Sediment recovered (only cobbles)

1343 Attempt 3 @ SS1078, rejected - no
Sediment recovered (only cobbles)
Location will need to be hand-
collected at a later date

1354 Attempt 1 @ SS1076, rejected - rock in
jaws

1400 Attempt 2 @ SS1076, accepted *Return to River*

11/15/23

K. McPeck

1948

Attempt 1 @ SS1074; accepted

very challenging to acquire GPS satellites - requested bridge opening to improve accuracy

1511

Attempt 1 @ SS1073; accepted

extremely challenging location to sample (from a boat-positioning standpoint)

1525

Return to boat-ramp to DC samples

1550

Transfer samples to processing crew, head to marina

1610

Arrive marina, unload Supplies

1630

Depart marina, off water

11/14/23

K. McPeck 25

0645

Arrive Harbor Island Marina

0715

Meet crew, load Supplies & prep

Weather: 30s, cloudy

Crew: Kait McPeck - windward

Andy Zucchi - Clewbury

Eric Parker - RSS

River Brown

0730

H+S meeting

0750

Depart marina

0820

Scope access @ SS1219; still blocked by barge

0831

Attempt 1 @ SS1218; rejected - no recovery

0834

Attempt 2 @ SS1218; rejected - low penetration

0842

Attempt 3 @ SS1218; accepted

0907

Attempt 1 @ SS1045; accepted

0925

Attempt 1 @ SS1062; rejected - no recovery

0927

Attempt 2 @ SS1062; rejected - no recovery

0936

Attempt 3 @ SS1062; rejected - under penetrates

0946

Location will need to be hand collected at a later date

0946

Attempt 1 @ SS1068; rejected - no recovery. will hand collect at a later date due to rip rap

26 1/19/23

K. McPhee

0958

Scoped SS1072: too much nripap to attempt to sample; will hand collect at a later date

1000

Quick restroom break at processing

1024

Attempt 1 @ SS1133, rejected - no sample collected; grab not aimed properly

1026

Attempt 2 @ SS1133; accepted

1045

Attempt 1 @ SS1135; rejected - under-penetrated

1049

Attempt 2 @ SS1135; rejected - rocks in jaws

1052

Attempt 3 @ SS1135; accepted

1054

Attempt 1 @ SS1136; accepted

1120

Attempt 1 @ SS1140; accepted

1137

Attempt 1 @ SS1141; accepted

1150

Attempt 1 @ SS1142; accepted
coordinates lost due to new data

1235

logger failure; need to recollect sample
Attempt 2 @ SS1142; accepted

1312

Attempt 1 @ SS1202; rejected - debris in jaws

1314

Attempt 2 @ SS1202; accepted

1325

Attempt to access SS1180 but could not again ~~satellite~~ satellites

1325 km

1335

Quick restroom break

1407

Attempt 1 @ SS1041; accepted

1422

Attempt 1 @ SS1038; rejected - over-penetrated

1/19/23

K. McPhee

27

1427

Attempt 2 @ SS1038; accepted

1448

Attempt 1 @ SS1034; rejected - rocks in jaws

1450

Attempt 2 @ SS1034; rejected - not intertidal + rocks in jaws

1452

Attempt 3 @ SS1034; rejected - rocks in jaws

Location will be hand-collected at a later date

1459

Attempt to access SS1032; location blocked by barge

1502^{PM}

Attempt 1 @ SS1030; accepted

1520

Head to boat ramp to QC samples

1545

Transfer samples to processing crew; depart boat ramp

1605

Arrive marina; inventory supplies

1630

Depart marina; off-water

Return to River

28 1/20/23

K. McPeck

- 0645 Arrive Harbor Island Marina, prep for sampling
- 0700 Meet crew, load boat
Weather: 30s, overcast
- Crew: Kate McPeck - Winchward
Andy Baele - Clewman
Eric Parker
River Brown
- 0730 Hoisting machine
- 0745 Depart Marina
- 0800 Confirmed locations 1000, 1005, 1008, and 1010 are still blocked by barges
- 0813 Attempt 1 @ SS1029, accepted
(grab collected before core since barge moved & location was accessible)
- 0824 Attempt 1 @ SS1032, accepted
- 0835 Attempt 1 @ SS1031, accepted
- 0847 Attempt 1 @ SS1033, accepted
- 0900 Attempt 1 @ SS1020, accepted
- 0924 Attempt 1 @ SS1025, accepted
- 0935 Location SS1026 is blocked by a barge
- 0935 Attempt 1 @ SS1024, accepted
- 0948 Attempt 1 @ SS1023, accepted
- 1001 Attempt 1 @ SS1022, accepted
- 1019 Attempt 1 @ SS1018, accepted
- 1030 Head to boat ramp to unload supplies.

1/20/23

K. McPeck 29

- 1116 Attempt 1 @ SS1017, accepted
- 1128 Attempt 1 @ SS1016, accepted
- 1143 Attempt 1 @ SS1012, accepted
- 1156 Attempt 1 @ SS1011, accepted
- 1219 Attempt 1 @ SS1051, rejected - under-punctured
- 1221 Attempt 2 @ SS1051, rejected - over-punctured
- 1227 Attempt 3 @ SS1051, accepted
- 1246 Attempt 1 @ SS1052, accepted
- 1323 Attempt 1 @ SS1219, accepted
- 1345 Confirmed 1236, 1237, + 1238 still blocked by barge
- 1353 Attempt 1 @ SS1150, accepted
- 1410 Attempt to access SS1132, blocked by barge
- 1415 SS1134 is accessible but did not attempt to collect with power grab due to riptrap. Will likely be hand collected at a later date.
- 1420 Attempted to access 1125, blocked by barge
- 1425 Confirmed SS1113 + SS1119 still blocked by barge
- 1430 Quick restroom break
- 1445 Confirmed SS1056 still blocked by *Redwood* barge frags

30 1/20/23

K. McPhee

- 1500 Return to boat ramp to begin AC
 1532 Transfer Samples to ARL container
 1540 Depart boat ramp for marina
 1600 Arrive marina, unload boat
 1615 Depart marina, off-work ✓

Call at 11

1/23/23

K. McPhee 31

- 0700 Arrive Harbor Island Marina, prepare for sampling
 0730 Meet crew, load boat
 Webster: 3ds. against
 Grid: Kate McPhee - windward
 Andy Buckle - leeward
 Eric Parker } ESS
 River Brown }
 0750 HRS meeting
 0800 Depart marina
 0820 Confirmed SS1000 still blocked by barge
 0826 Attempt 1 @ SS1010, accepted
 0839 Attempt 1 @ SS1005, accepted
 0850 Attempt 1 @ SS1006, accepted
 0903 Attempt 1 @ SS1003, accepted
 Collect 16 oz split
 0916 Attempt 1 @ SS1004, rejected - under-penetrated & attempted at original target
 0942 Attempt 2 @ SS1004 (based on core coordinates), accepted
 collect 16 oz split
 0955 Confirmed 1008 is still blocked by barge
 1015 Confirmed 1026, 1036, 1037, 1044, 1048, 1054 & 1056, are blocked by barges
 1025 Confirmed 1125^A still blocked by barge
 41132

Return to River

11/23/23

K. McPeck

- 1030 Attempted to access 1126, lots of riprap - will return at a later date to collect by hand
- 1040 Confirmed 1150 is still blocked by a barge
- 1045 Head to boat ramp for nutcrack brook
- 1111 Attempt 1 @ SS1204, accepted
collected before core and after sunken barge was floated
- 1125 Confirmed 1236 & 1237, ^{4m}+1238 are still blocked by barge
- 1135 Attempt 1 @ SS1238, accepted
- 1202 Attempt 1 @ SS1013, rejected - over-penetrated
- 1207 Attempt 2 @ SS1013, accepted
collected 16 oz split, grab collected before core
- 1226 Attempt 1 @ SS1014, accepted
collected 16 oz split, grab collected before core
- 1250 Return to boat ramp to QC samples
- 1330 Transfer samples to ARL courier, head to marina
- 1345 Arrive marina, unload supplies
- 1415 Depart marina, off-water

3/3/23

K. McPeck

- 0700 K. McPeck arrives, prep for sampling
- 0800 Meet crew, load boat
- Crew: Eric Parker
River Driven
Savannah Brewer
Daniel Hornbuckle
KSS
collecting: 30s, overcast
- 0820 H&S meeting
- 0900 Depart 1st Ave S boat ramp, the up pier Satac Marine. Wait for barge to move and divers prep for under pier sampling / surveys
- Support boat crew: (located by Gravity)
S. Roplinger - windward, arrived 0800
K. Kerns - USACE, arrived 0845
F. Plahn - City of Seattle, arrived 0900
K. Sanders - Gravity, arrived 0800
- 1030 Move into position and anchor @ under pier/Arlc. 1808 (as close as possible while avoiding obstacles)
- 1130 Diver enters water and lays measuring tape. RTK tide: 7.32 ft
- 1143 Start visual survey @ 1808, no rip-rap. Silty sediment along length of tape 46 ft to sheet pile wall under pier
- 1200 Conduct probing along transect

34 3/3/23

K. McPeck

1225 S. Replinger arrives; S. Replinger pulled

to R. Gardner - Desrosiers - one transect is sufficient because sediment along transect 1 is sufficient for sampling (additional transects not needed if sediment is sufficient to sample)

1250 Collect core @ SS1808 (diver-collected), accepted (SS71.1 m core)

1325 Collect grab @ SS1808, accepted (diver-collected)

1400 Return to 1st Ave's boat ramp to deliver core and use restroom

1415 Depart boat ramp for 1810

1425 Anchor @ 1810 @ space between pilings adjacent to target - area over target has low-hanging obstacles

1500 Dive onto water and lays measuring tape

1530 Start usual survey @ 1810, end @

1551. Silty sediment for length of 22 ft transect. No probing conducted + no samples collected due to late time and cold. Will return to location at a later date.

1615 S. Replinger and K. McPeck depart
RJS boat for 1st Ave's boat ramp

3/3/23

K. McPeck

35

1630 Arrive boat ramp, transfer samples to

corner

1700 Depart processing area/boat ramp.
off-water

3/3/23

Return to Room

36 3/31/23

K. McGeck

0915

Arrive Harbor Island Marina, prep for

sampling

0800

Meet crew, load boat

Crew: Kate McGeck: windward

Linda Vah Brothers: Clewary

Eric Parker

Eric Brown

RSS

Eric San Miguel

Cirine Cisneros

Weather: 40s, overcast

0830

H+S meeting

0900

Depart Marina, head to Site Marina

0915

Arrive location 1810, anchor and prepare

for diving

0945

prepare to survey Transect 2 (Transect 1

started 3/31/23) ^{103 ft distance between pilings} - just downstream of

target. Target coordinates not accessible

due to overhead debris.

1000

Diver enters water and sets transect tape

RTK: 7.36 ft

1005

Start visual survey at 1810

1020

End visual survey, conduct probing

1036

Collect sediment grab @ ~10 ft along

Transect 2 (SS1810), accepted

1100

Collect core @ SC1810 @ 10 ft along

Transect 2, accepted (85.0% recovery)

3/30/23

K. McGeck 37

1145

Begin processing core on boat.

1225

Recover samples from gravity

boat for transfer later to courier

1230

Depart and begin anchoring at 1807,

prepare for diving

1320

Diver enters water and sets transect

tape. RTK: 7.11 ft

1330

Start visual survey @ 1809

1355

End visual survey, conduct probing

1430

Collect grab @ ~10 ft along Transect 1

(SS1809), accepted

1455

Collect core @ SC1809 @ 10 ft along

Transect 1, accepted (93.0% recovery)

1520

Begin processing core on boat

1540

Head to 1st Art S boat ramp to finish

processing core and meet courier

1625

Meet AEL courier, transfer samples

1630

Depart boat ramp for marina

1645

Arrive marina, unload boat

1700

Depart Marina, off water

~~Kate McGeck~~

Return to Room

38 3/31/23

K. McPeck

0700 Arrive Herbol Island Marina, prep for

Sampling

0730 Meet crew:

K. McPeck

Claire Christensen

Eric Parker

Peter Brown

Eric San Miguel

Cinno Cisneros

RSS

Weather: 40s, rain

0735 H+S meeting

0750 Depart marina for Slip 4 + begin

under-structure sampling. Notify

Zach and Jasper of pending arrival.

0810 Arrive Slip 4, begin anchoring at lock-in

1816

0840 Diver enters water and sets transect

line

0846 Start visual survey @ 1816

0855 end visual survey, start probing

0910 Collect grab: SS1816 15 ft along

Transect 1, accepted

0920 Collect core: SC1816 15 ft along Transect 1,

0940 Process core on boat (accepted 1501)

1000 Move to 1817 and anchor, divers take

short break and prep for next dive.

3/31/23

K. McPeck

39

1105 Diver enters water and sets transect

line at 1817

1118 Start video/visual survey

1135 end video survey, start probing

1235 collect grab @ SS1817 12 ft

along Transect 1. Grab not accepted -

door was partially open & top of

sample was lost

1300 Collect core @ SC1817 12 ft along

Transect 1, accepted (99151, new)

1335 collect grab attempt 2 @ SS1817 12 ft

along Transect 1, accepted

1415 Depart 1817 for South Park Marina

(rushdown stop); notify Jasper of

departure from Slip 4

1450 Depart South Park Marina. Start processing

SC1817 core on way to boat ramp

1606 Transfer samples to ARL carrier at

1st ARL boat ramp

1615 Depart boat ramp for Marina

1630 Arrive Herbol Island Marina

1645 Depart marina, off water

~~Leave~~

Return to Room

40 4/13/23

K. McPeck

0700 Arrive Harbor Island Marina, prepare

for sampling

0730 Meet crew:

K. McPeck: blindfold

Linda Vate B. Hoffman: chemistry

Eric Parker

Rita Brown

Eric San Miguel

Amina Cisneros

Rob Ray: EPA

RSS

0740 H+S marking

0750 Depart Marina, head to 1812

0815 Arrive 1812, anchor as close to target

as possible. Space between pile rafts is narrow.

0855 Diver enters water and sets transect tape

0905 Start visual survey @ 1812

0915 end visual survey, start probing

0925 collect grab @ SS1812, accepted

0945 collect core @ ST1812, attempt 1 -

rejected due to poor recovery (KTSI)

1000 collect core @ ST1812, attempt 2,

accepted (KTSOI recovery)

1030 process core on boat

leave

41 4/13/23

K. McPeck

1100 Head back to Harbor Island Marina

for restroom break and to drop off

Rob Ray

1120 Rob Ray departs

1130 Leave marina, head to 1813

Anchor at 1813. Space between pilings

where target is located is not

accessible due to debris and slanted

pilings making space too narrow for

diver. Targeted area just downstream

from target.

1225 Diver enters water at 1813 and sets

transect tape

1247 Start visual survey @ 1813

1255 end visual survey, start probing

1325 collect grab @ SS1813, accepted

1400 Attempted to collect core at various

locations along transect; debris

prevented collection near target

1525 collect core @ ST1813; collected 5 ft

upstream of 19 ft point along transect,

1600 process core on boat

1626 Meet ARL corner at 1st A/S boat ramp

1635 Depart boat ramp for marina

1700 Arrive Harbor Island Marina, unlad boat,

off water

leave Return on River

42 4/4/23

K. McPhee

0650 Arrive Harbor Island Marina, prepare for

Sampling

0715 Meet crew:

Kate McPhee: skidward

Linda Kate Brathorne: Cleareway

Eric Parker

River Brown

Eric Sun Myung

Cirino Cisneros

RSS

0730 H+S meeting

0745 Depart marina for Ship 4, loc 1818.

Notify Jasper at waste management of

ETA.

0815 Arrive 1818, anchor near target

0900 Diver enters water and places transect tape

0932 Start visual/rope survey @ 1818

0947 and visual survey, start probing

1002 Collect grab @ SS1818 10 ft along transect

1, accepted

1025 Collect core @ SC1818 10 ft along transect

1, accepted (99.0% recovery)

1100 Process core on boat

1115 Depart Ship 4 for restroom break at South

Park Marina

1120 Arrive marina for break

1130 Depart marina to return to Ship 4

4/4/23

K. McPhee 43

1145 Arrive location 1819 + anchor near

target. Coordinates are 5 ft from

pier face so transect starts at 5 ft

along tape instead of 0 ft.

1225 Diver enters water and places transect tape

1231 Video survey start

1240 Video survey end, start probing

1252 Collect grab @ SS1819 10 ft along transect

1, accepted

1312 Collect core @ SC1819 10 ft along transect

1, accepted (99.1%)

1340 Process core on boat

1355 Depart Ship 4, notify Jasper, continue

1510 Meet courier at 1st Ave S boat ramp

1515 Head to Harbor Island Marina

1545 Arrive marina, unload boat, off water

4/4/23

Return to Room

4.5.2023

S. Replingier

0910 Arrive at Harbor Island Marina. Prep.

Weather: partly cloudy, 40s

Crew: S. Replingier (instructor)

Linda Vate Brattstrom (cleaning)

Eric Parker

River Brown

Eric San Miguel

Cirino Cisneros

(RSS)

0930 Conduct H&S briefing.

0950 Depart marina, head to T115.

1005 Arrive at T115. Barge still in place in Berth 2; prep for sampling while wait for barge/hyds.

1030 Barge departs. Move to get in position for location 1804. Set anchors. Shifted slightly upstream from target to avoid diving under loading ramp.

1113 Diver (R. Brown) enters water. Place transect tape

1119 Start visual survey at 1804.

1135 Finish visual survey, start probing.

1145 Collect grab at 1804, 25 ft along transect.

1 Accepted.

1155 Collect core at 1804-25 ft along transect. (Subsided). Lost 7-8" as pulling up core.

Rejected.

1215 Second attempt at 1804 (core). Accepted. Good recovery, but lost ~4 inches of material when pulling up core.

4.5.2023

S. Replingier

1230 Diver out of water. Begin to process core and prep for next sample.

1250 Pull anchors. Continue processing core.

1330 Head to Harbor Island Marina for break.

1400 Return to Terminal 115. Set anchors for

sampling at 1803.

1430 Diver (C. Cisneros) in the water.

Place transect tape.

1451 Start visual survey at 1803.

1508 Finish visual survey. Begin probing.

1605 Collect grab at SS1803 - 25 ft. along transect.

Accepted.

1630 Collect core at SC1803 - 25 ft along transect.

Accepted. Good recovery (58%), but lost ~6 inches of material when

pulling up core.

1705 Begin processing core and pulling anchors. Diver out of water at 1645.

1730 Depart Terminal 115, head to Marina.

1740 Arrive at Harbor Island Marina.

Finish processing and offload supplies.

1815 Depart Harbor Island Marina. End of field day.

~~S. Replingier~~
~~4.5.2023~~

4/12/23

K. McPhee

0700 Arrive Harbor Island Marina, prep for

Sampling

0715 Meet crew:

Kate McPhee - Windward

Linda Vite Brattstrom - Clewary

Eric Parker

River Brown

Eric San Miguel

Eric Hanley

Weather: 31s, cloudy

0740 H+S meeting

0755 Depart meeting for T11S

0810 Arrive location 1801, anchor by opening

0850 between pilings where target is located
Diver enters water, places transect tape

0902 Start visual/video survey @ 1801

0916 end video survey, begin probing

0956 Collect grab @ 1801, 40 ft along transect,
accepted1015 Collect core @ 1801, 40 ft along transect,
accepted (76.0% recovery) but lost

"4" of sediment when pulling up core

1045 Begin processing core on boat

1110 Pull anchors, continue processing core

1130 Head to Harbor Island for break

1155 Return to T11S

4/12/23

K. McPhee

1210

Arrive location 1802, anchor by opening
between pilings where target is located.

1245 Diver enters water, places transect tape

1245-1306 Start video survey @ 1802

1320

Diver out of water without completing
survey due to equipment issue.

1345

New diver enters water to resume
video survey

1359

end video survey, begin probing

1503

Collect grab @ 1802, 40 ft along
transect, accepted

1540

Collect core @ 1802, 40 ft along
transect, accepted (76.0% recovery)but lost "4" of sediment when
pulling up core.

1555

Process core on boat, pull anchors
Depart T11S, head to 1st Ave S. boat

1620

ramp to meet carrier

1632

Transfer samples to ARL carrier

1640

Depart boat ramp for Harbor Island

1700

Arrive marina, onland supplies

1720

Depart marina, off-water

Page not used.

7700
54.28.23



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most pens stop writing when wet

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- OIL PASTELS / PAINT

WHEN DRY ONLY
what you write won't wash off

- PERMANENT MARKERS
- STANDARD BALLPOINTS

WON'T WORK
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2 12/14/12

cloudy mid 30's

0730 Arrive @ site

Anna Vandervoort

Linda Kate Bratstrom

Take Light

Tarek Akkari

Claire Christensen

Rachel Crawley

Jordan Cooper

— Begin setting up for processing

0830 Jim Maas @ site

0845 Heath + Sethy Tailgate

Begin processing cores

1425 Water Service arrives

1625 Courier arrives to pick up samples

1700 J. Cooper departs

1730 All depart site

~~12/14/12~~

30' partly cloudy

3 12/15/12

0800 Arrive site

Anna Vandervoort

Nina Maas

Linda Kate Bratstrom

Jordan Cooper

Rachel Crawley

Tarek Akkari

Take Light

Begin setting up for processing

0825 Heath + Sethy Tailgate

1540 J. Cooper leaves site

1600 N. Maas, L. Kate Bratstrom, R. Crawley

Tarek, J. Light leave site

1620 Courier arrives to pick up samples

1630 A. Vandervoort leaves site

~~12/15/12~~

After the Rain

4 8/16/22

30+ foggy

08055 Arrive site

A. Vandervoort

J. Cooper

L. Vate Bratstrom

C. Christensen

T. Aker

R. Crawley

J. Light

0825 - Health + Safety Briefing

Prep for processing

1415 J. Cooper departs

1445 processing crew except for

A. Vandervoort departs site

1455 corner curves to pickup samples

1500 A. Vandervoort departs site

~~8/16/22~~

Upper 30's / cloudy

11/3/23

0755 Arrive site

J. Cooper

N. Maas

R. Crawley

L. Vate Bratstrom

C. Christensen

J. Light

F. Jones

A. Vandervoort

0830 Health + Safety Briefing
Setup for processing

1425 corner curves to pickup
samples

1655 J. Cooper departs

1715 all except J. Light + A. Vandervoort
departs

1725 J. Light + A. Vandervoort departs

~~8/13/23~~

6 11/4/23

High 50s
partly sunny

0750 Arrive @ site

N. Bachert
A. Vanderaft
J. Cooper
T. Akari
C. Christensen
L. Vale Branstrom
N. Moos
J. Hershey

0815 H+S briefing

Prep for processing

0830 Kensing Kerns arrives

JV

0955 Sasha Williams question
arriving

1055 S. Williams departs

1345 K. Kerns departs
Cherrane
1409 Oreio departs
arrives to pickup samples

1410/18 Can't arrive to pickup samples

1638 J. Cooper departs

1645 All depart site

JV 11/4/23

50s
partly cloudy

115/23

0755 Arrive @ site

J. Cooper
A. Vanderaft
J. Light
L. Vale Branstrom
T. Akari
Holly Shockey
R. Crawley

0830 H+S briefing

Prep for processing

0905 WM arrives to remove waste barrels

0925 Kiley Zambian arrives for oversight

1345 Kiley Z. leaves site

1600 Corner arrives to pickup

Samples

1620 J. Cooper departs

1638 All depart site

JV 11/4/23

1/16/23

partly sunny
4100

0750

Arrive site

- A. Vandervoort

J. Cooper

H. Sharkey

J. Hershey

L. Vale Brattstrom

T. Akkan

0830

H. Sharkey

Setup for processing

~~1055~~
1010 Claire Christensen arrives

1655 J. Cooper Departs

1700 Connor arrives to pick up samples

1720 all depart site

~~1/16/23~~cloudy, windy
mid 40s

1/19/23

0800

Xmas @ SF

- A. Vandervoort

- H. Sharkey

- J. Cooper

- L. Vale Brattstrom

- T. Akkan

- E. Jones

0815

H+S Briefing

Setup for processing

1320 Green latrine service arrives

1327 departure of Green latrine

1505 United service arrive to repair latrine tank.

1550 United Service departs

1625 J. Cooper departs

1640 All but A. Vandervoort depart

1643 Connor arrives to pick up samples

1645 A. Vandervoort leaves site

~~1/19/23~~

Rites in the Rain

11/10/23

high 30s
sunny

0730 Arrive @ site & resupply

A. Vandervoort

H. Shuckey

C. Christensen

T. ARKAN

L. Vore Brattstrom

J. Cooper

0825 H+S briefing
prep for processing

0910 K. Pattn arrives

1400 K. Pattn departs

1625 J. Cooper departs

1645 Coit arrives to pick up samples

1650 all depart site

~~by 11/10/23~~

45 partly sunny

11/11/23

0755 Arrive @ site water refill
on site
departs 0810

A. Vandervoort

H. Shuckey

L. Vore Brattstrom

A. Zacek

T. ARKAN

J. Cooper

0815 H+S briefing
prep for processing

0945 K. Pattn arrives

1340 K. Pattn departs

1515 Coit pickup

1625 J. Cooper departs

1650 All depart site

~~by 11/11/23~~

11/2/23

raining
mildly

0755 Arrive @ site

- A. Vandenberg

- H. Sharkey

- C. Christensen

- T. Alkari

- L. Vate Batistram

- J. Cooper

0820 H+S briefing

prep for processing

1005 R. Patten arrives

1255 K. Patten departs

1555 J. Cooper departs

1635 Coaner arrives to pickup samples

1650 all depart site

~~Verdict~~
11/2/23

11/3/23

raining
low 50's

0830 Arrive @ site

A. Vandenberg

C. Christensen

T. Alkari

L. Vate Batistram

J. Cooper

A. Zaccari Zaccari

0845 H+S briefing

prep for processing

0855 J. Light arrives

1545 J. Cooper departs

1635 Coaner arrives to pickup samples

1650 depart site

~~Verdict~~
11/3/23

14 11/16/23

Partly cloudy
mid-40s

0820 Arrive @ site

J. Cooper

L. Vate Bairston

C. Christensen

A. Vandenoit

T. ARKIN

P. Crawley

0840 Heath + Safety Briefing.

prep for processing

1040 S. Stahl arrives

1105 Grenlature sources put together

1430 S. Stahl departs

1600 J. Cooper departs

1635 Corner arrives to pick up samples

1715 rest of crew departs

~~11/16/23~~

Cloudy
mid-cis

11/17/23 15

0905 Arrive @ site

H. Shackley

A. Vandenoit

T. ARKIN

L. Vate Bairston

E. Jones

J. Cooper

0935 HHS briefing

prep for processing.

1120 J. Light arrives

1630 J Cooper departs.

1640 Corner arrives to
pick up samples

1700 remaining crew departs

~~11/17/23~~

11/18/23

cloudy
mid day

0825 Arrive @ site

N. Maas

J. Halsey

A. Vandervoort

L. Vatter Brathstrom

T. Arkari

J. Cooper

0850

H+S briefing

Prep for processing

1605 J. Cooper departs

1630 All but A Vandervoort depart

1635 Canoe arrives to pickup sample

1640 A Vandervoort Departs

~~2/11/18/23~~cloudy
mid 30's

11/19/23

0915 Arrive @ site.

C. Christensen

A. Vandervoort

J. Halsey

L. Vatter Brathstrom

J. Cooper

T. Arkari

0940 H+S briefing

Prep for processing

15 J. Cooper departs

1545 All but A Vandervoort depart

1555 Canoe arrives to pickup sample.

1600 A Vandervoort departs

~~2/11/19/23~~

2/18/23

Cloudy upper 30s

0755 Thru Dot Amara Vanderhoff

arrive @ site.

prep for sampling

0815 T.D. departs

0930 A.C. Christensen

L. Vate Braathorn

J. Cooper

HHS Biregning

Prep for processing.

1310 J. Cooper departs

1315 all depart to drop off supplies

1410 return to site to process samples

1645 Courier arrives to pickup samples

1705 all depart

~~2/18/23~~

3/2/23

~~3/2/23~~ Overcast low clouds

1000 L. Vate Braathorn + A. Vanderhoff

arrive @ site.

- Prep for processing

- HHS Biregning

1300 Christensen arrives

1630 Leiner arrives to pickup samples

1745 all leave site.

~~3/2/23~~

20
3/3/93

cloudy windy, Vppd 3x

0945 Arrive @ site

A. Vandenberg

L. Vate Brathstrom

C. Chastensen

J. Cooper

1000 HHS briefing

Prep for processing

1050 S Redinger +

Fernando Platin arrive.

1135 S Redinger + F Platin depart

11035 Leave to pickup

samples

1700 - J. Cooper departs

-Dornd.

1750 all leave site

~~3/3/93~~

04.28.23

21
TBD

0730

Arrive at Henderson Island receive
SDs, sunny, Prep supplies
and paperwork.

Meet up w/ crew:

TBD - (end)

Linda Vate Brathstrom (Cue)

Eric Parker

River Brown

Eric San Miguel

Tyler Platin

load supplies, prep.

HHS briefing.

0850 Depart minerva. Head to location

1811.

0910 Arrive at 1811. Anchor up. Stead

between 3rd & 4th pilings where

target is located. ~ 33 ft away, diver prep

1012 Divers enter water, set transect

(2. Brown), 40 ft.

1019 start visual survey.

1029 find visual survey. Begin probing.

1038 Collect grade at 55 1811 - 15 ft.

along transect, accepted.

1040 Collect core at 55 1811 - 15 ft.

along transect. Hit refusal at

Refusal at 210 ft

04.28.23

TD

1.6 ft. Recovered 1.25 ft.

(+3.1%) Set aside to see if we can get better core, closer to target depth. Will try at 10 ft along transect where probe depth is similar (+3.0 ft)

1230 Collect core at SC1811 - 10 ft, along transect line, accepted.

1315 Pull up anchor. Head to marina for bathroom break, process core.

1340 At marina

1400 Depart marina. Head to location 1805

1412 At 1805, anchor up, spaced between 3rd and 4th rows of piling, where target is located ~ 70 ft away, diver prep.

1449 Diver enters water to set transect (T. Flaming).

1504 Start visual survey.

1552 End visual survey, begin probing.

1615 Collect grab at SC1805 - 30 ft.

along transect, accepted.

1625 Collect core at SC1805 - 30 ft. along transect, accepted.

04.28.23

TD

1715 Process core

1730 River out.

1735 Pull up anchors. Head back to marina.

1805 At Harbor (S) and marina.

1815 Offload supplies/samples.

1830 Depart marina. End of on-water field day.

TD
04.28.23

04.29.23

TBD

- 0745 Arrive at Harbor Island Marine
60°, sunny. Meet up w/ Linda
Vale-Fornstrom (Cui) and
ESS crew: E. Parker, R. Brown,
E. Sam Miguel, and T. Pukro.
0750 Prep boat, supplies and paperwork.
0810 H&S briefing.
0815 Depart marina. Head to location
1800
0830 At 1800, set anchors between
rows of pilings where target
is located (~30 ft. away), diver prep
0924 Diver enters water to set
transect line (R. Brown)
0937 Start visual survey.
0951 End visual survey, begin probing.
1010 Collect grab at 551800 - 30 ft.
along transect, accepted.
1015 Collect core at 551800 - 30 ft.
along transect, accepted. Process
core.
1115 Pull up anchors, head to marina for
breakroom/lunch break.
1145 At marina.
1210 Depart marina. Head upriver to

04.29.23

TBD

25

- ~~1145~~ 1250 At location 1820, set anchors.
Had to move over from ~~target~~
area where target location is
to avoid debris, ~33 ft. from target
(Not a lot of options as many rows
have diagonally placed pilings).
1300 Diver setup
1323 Diver enters water to set
transect line (T. Pukro)
1333 Start visual survey.
1342 End visual survey, begin probing.
1400 Collect grab at 551820 - at 25 ft.
along transect, accepted.
1410 Collect core at IT1820 - at 25 ft.
along transect, accepted.
1440 Process core.
1510 Pull up anchors
1515 Head back to marina.
1545 At marina. Offload supplies and
samples.
1600 Depart marina. End of on-water
field day.
04.29.23