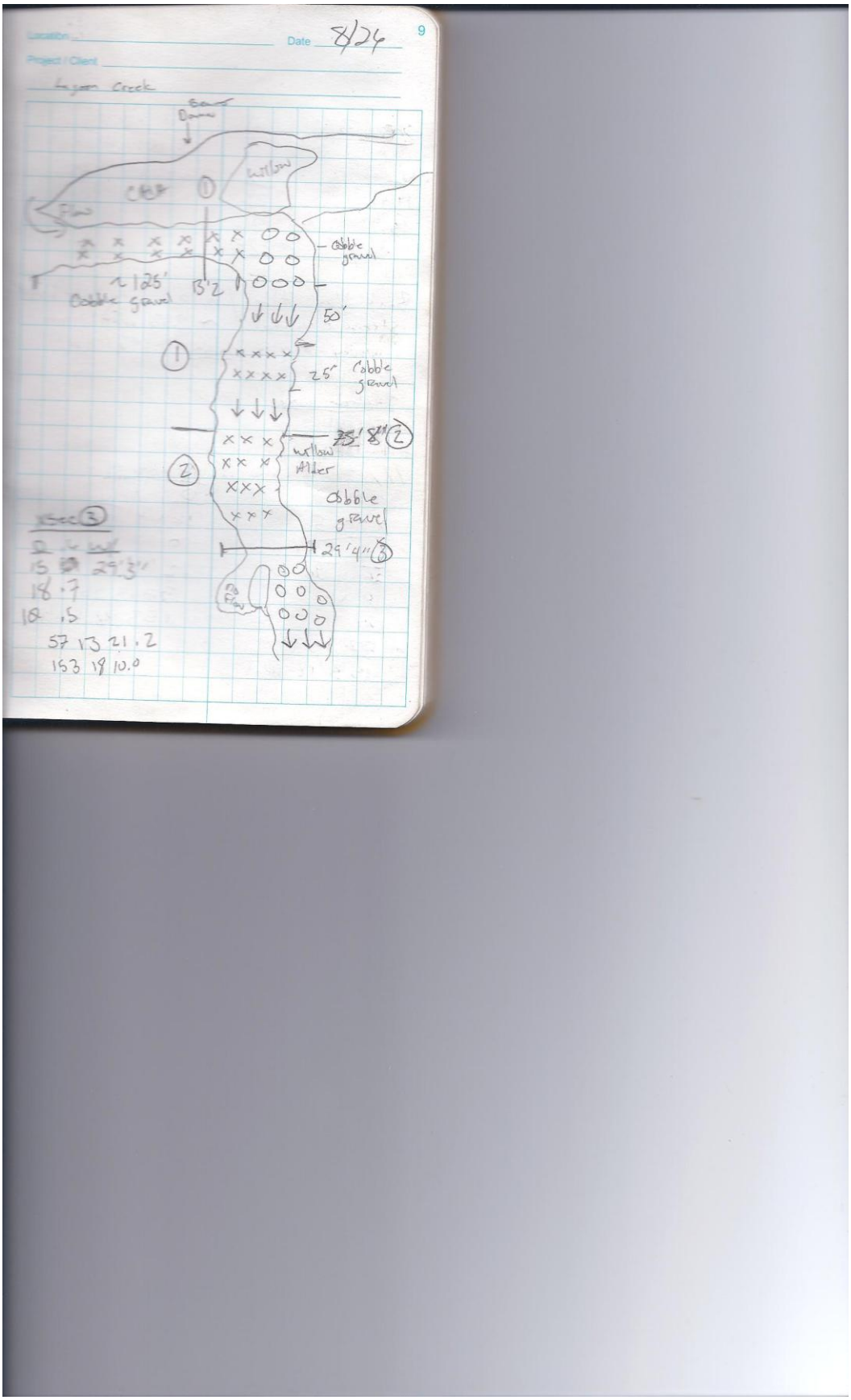
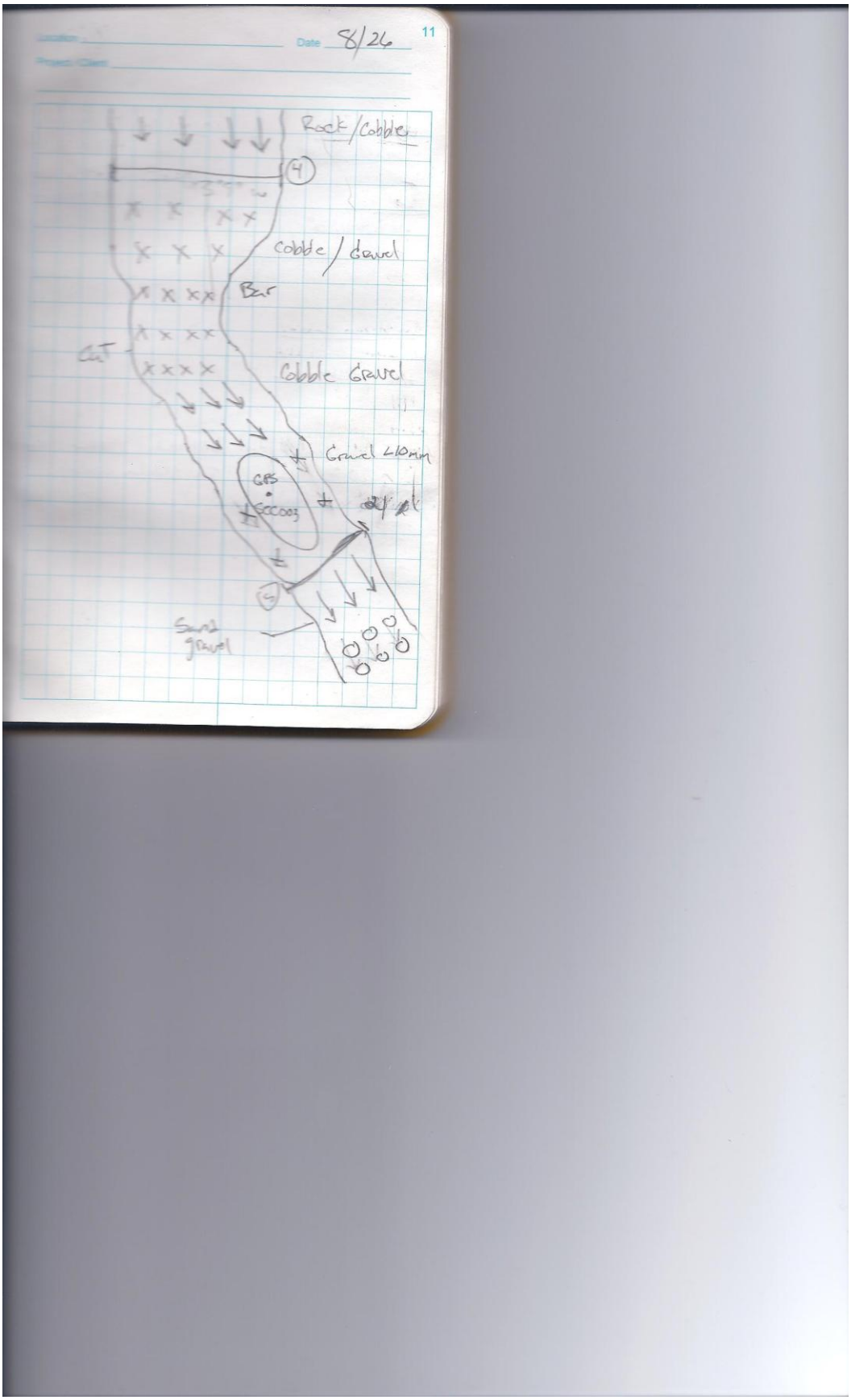
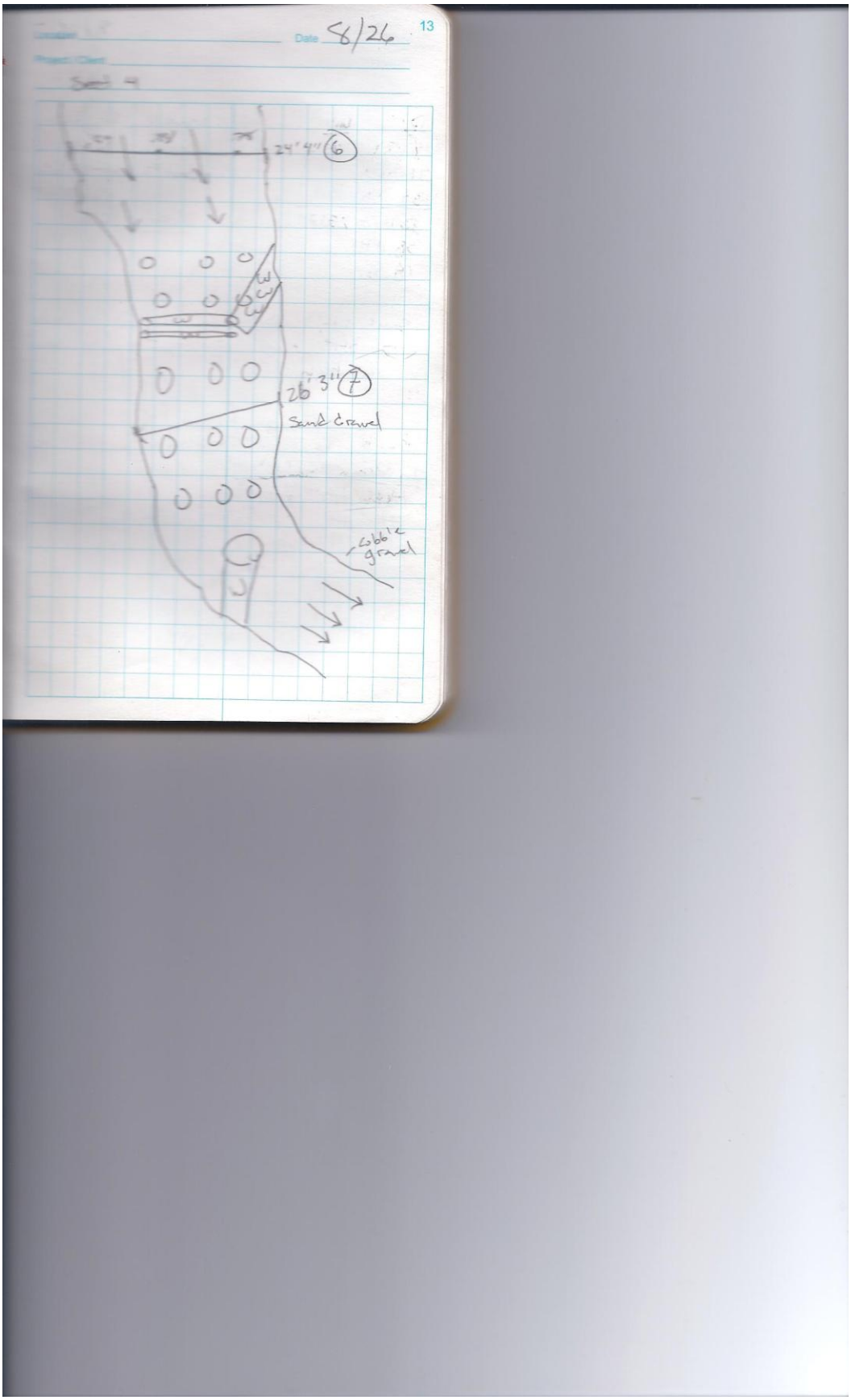
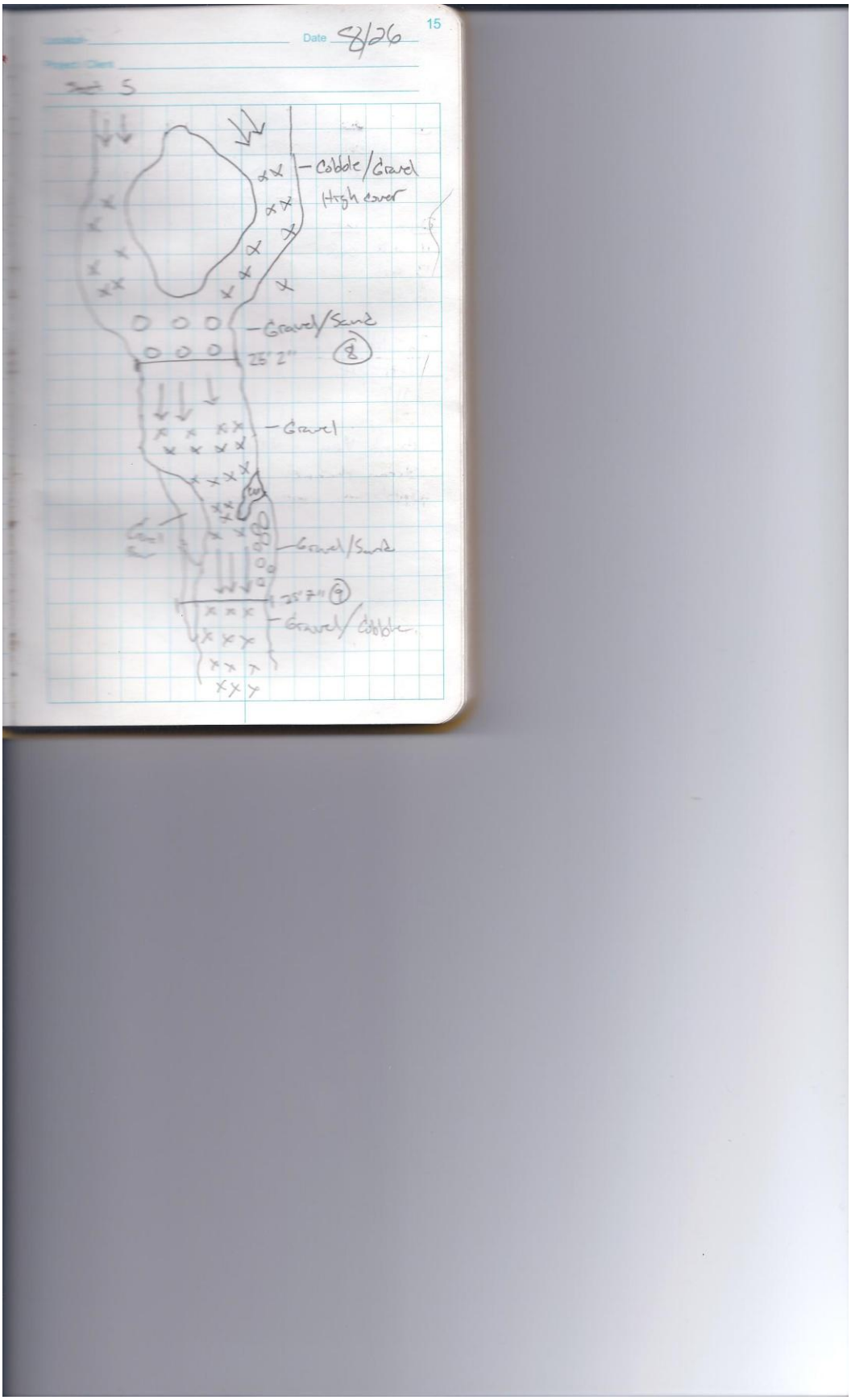
Appendix A

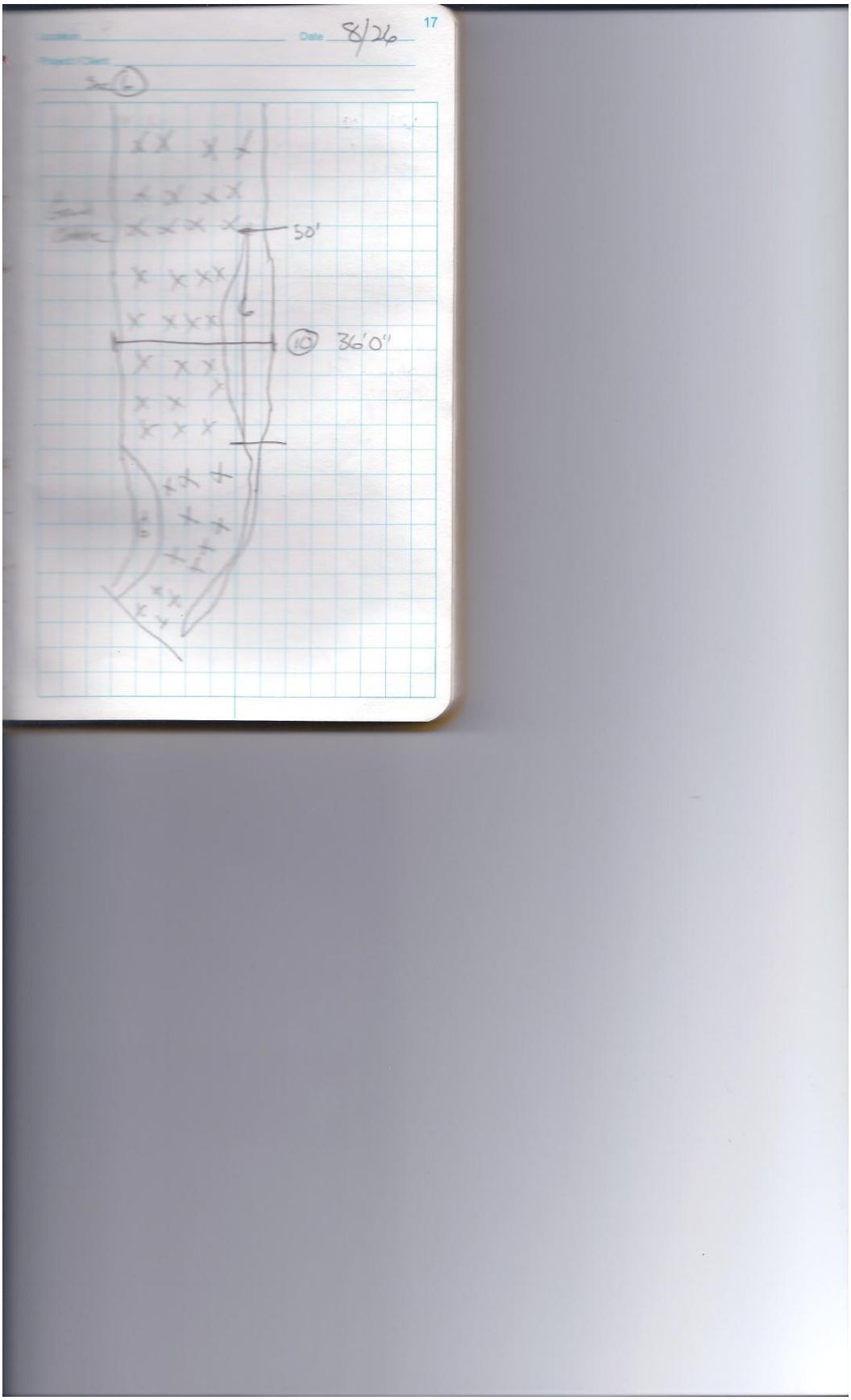
Field Data Forms

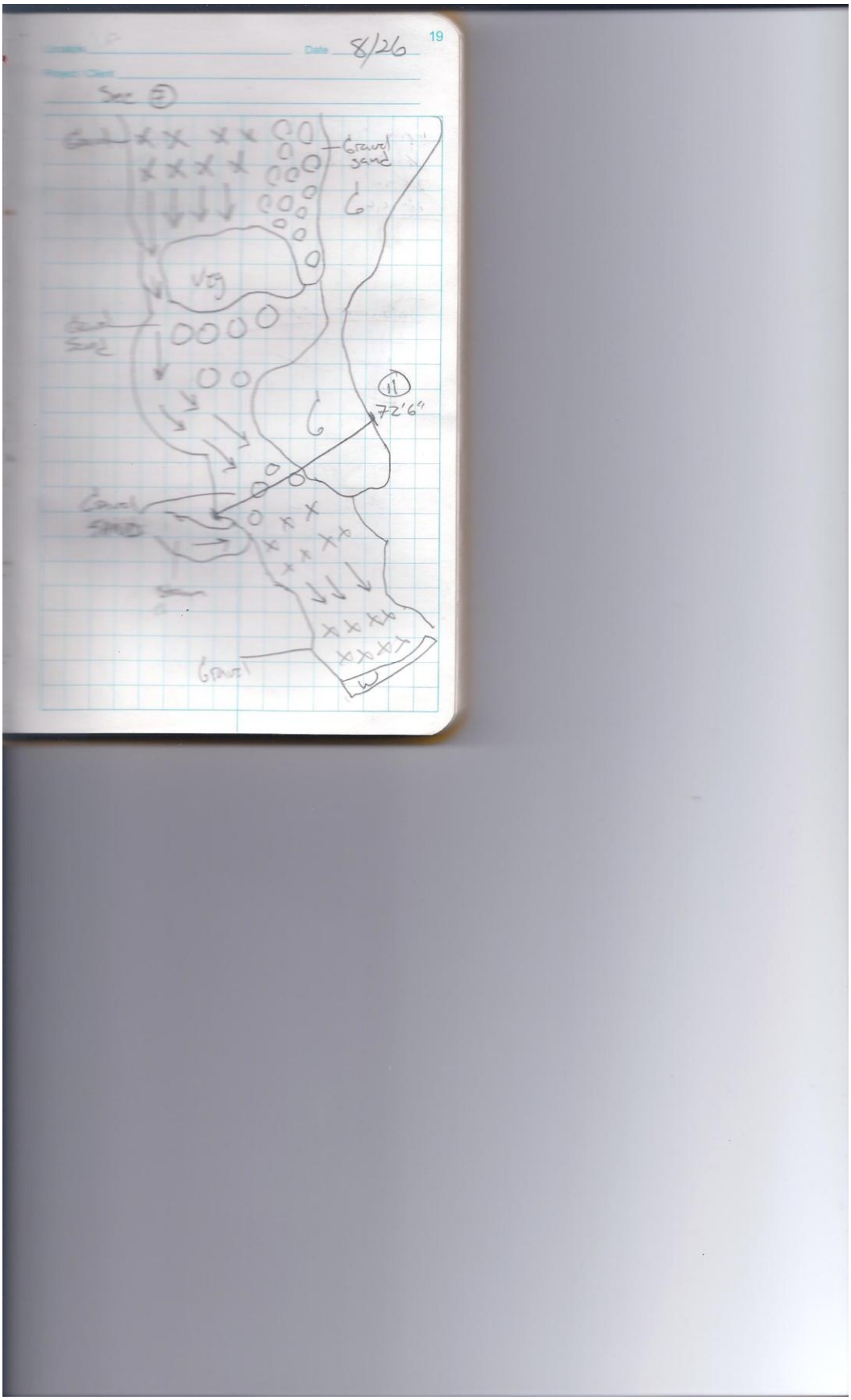

Date 8/24
9
Flow
Willow
Cobble gravel
~125'
Cobble gravel
13'2
50'
25'
Cobble gravel
willow
Alder
Cobble gravel
29'4"
No Flow
XSec 3
57 13 21.2
153 18 10.0

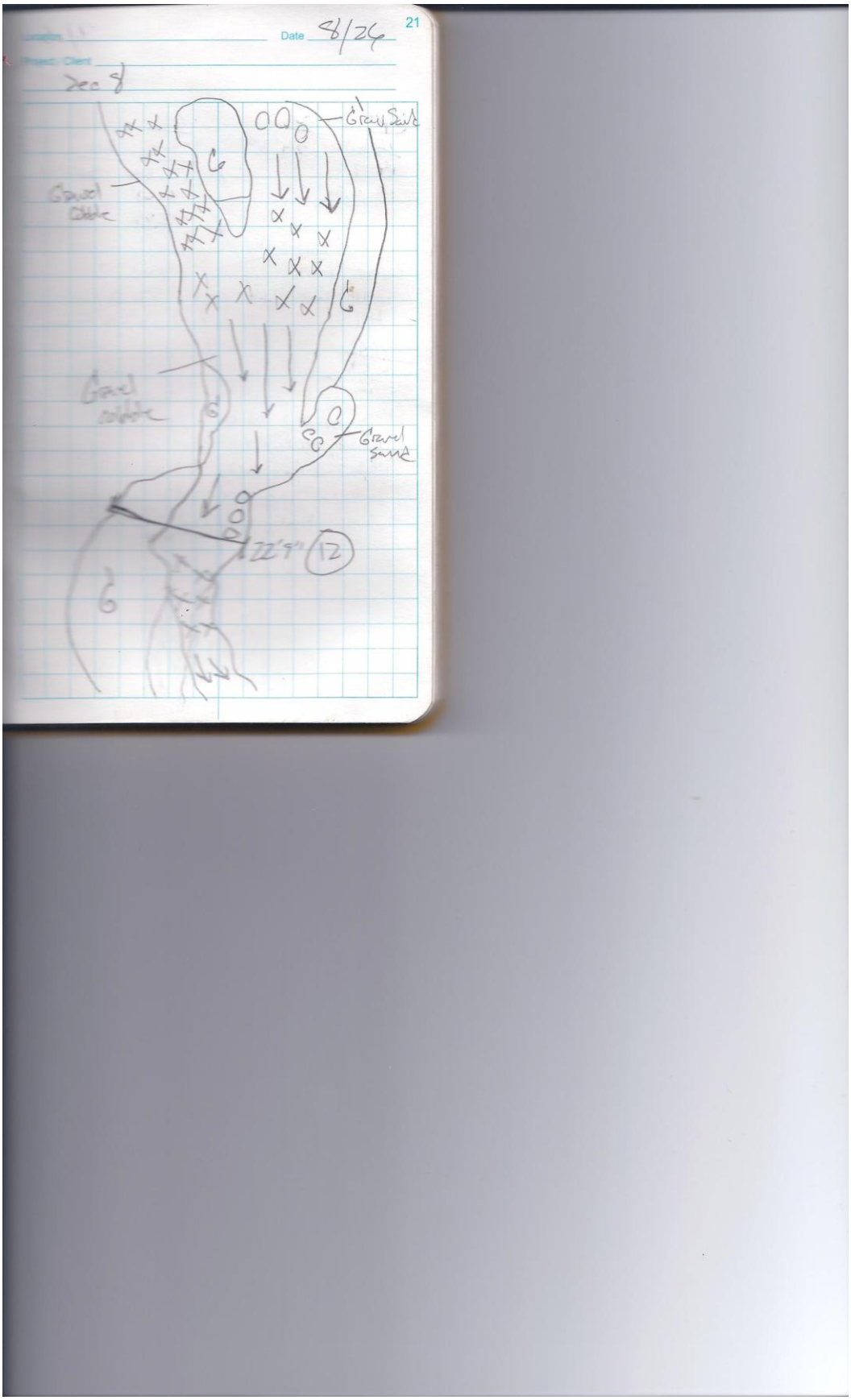

Date 8/26
11
Rock/Cobble
4
Cobble/Gravel
Bar
Cut
Cobble Gravel
Gravel <10mm
GBS
5
Sand
gravel

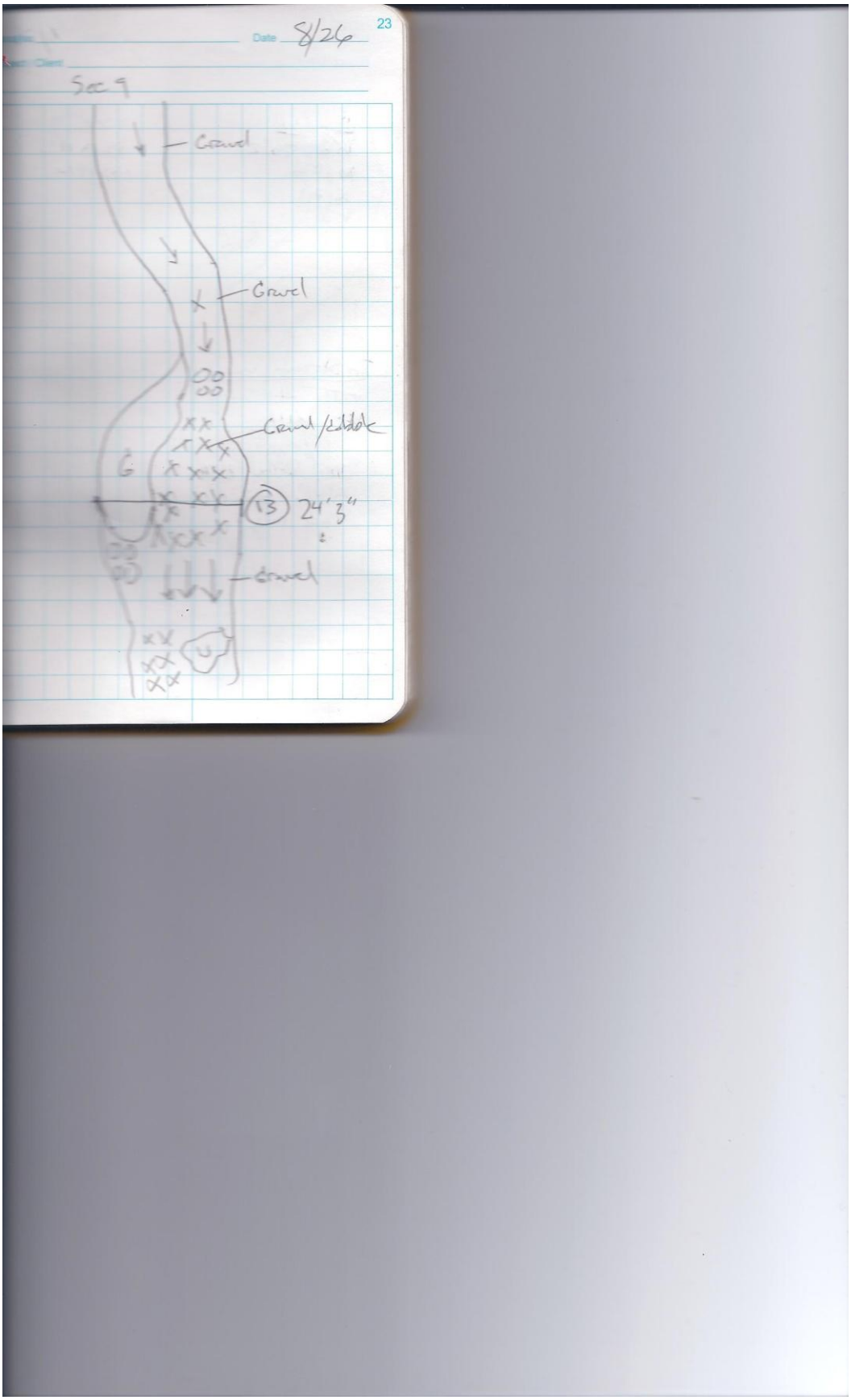

Date 8/26
13
Seed 4
24'4" (6)
26'3" (7)
Sand & gravel
cobble gravel


Date 8/26
15
Cobble/Gravel
High cover
Gravel/Sand
25' 2"
8
Gravel
Gravel/Sand
25' 7"
9
Gravel/Cobble


17
Date 8/26
50'
10
36'0"

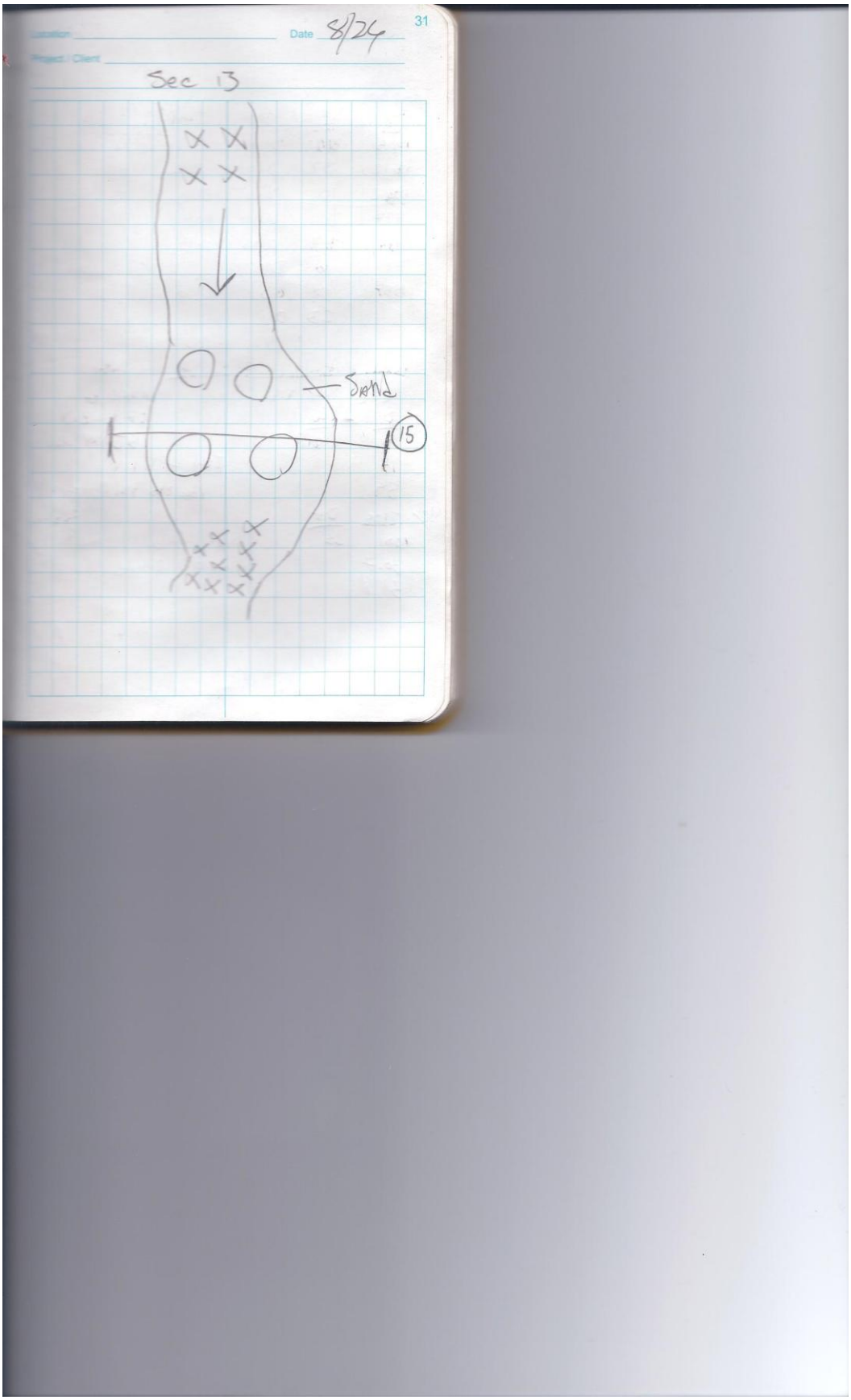

19
Date 8/26
Gravel sand
Veg
Gravel sand
72'6"
Gravel
Gravel


Date 8/26
21
Sec 8
Gravel Sand
Gravel cobble
Gravel cobble
Gravel Sand
12


23
Date 8/26
Sec 9
Gravel
Gravel
Gravel/cobble
13
24' 3"
Gravel

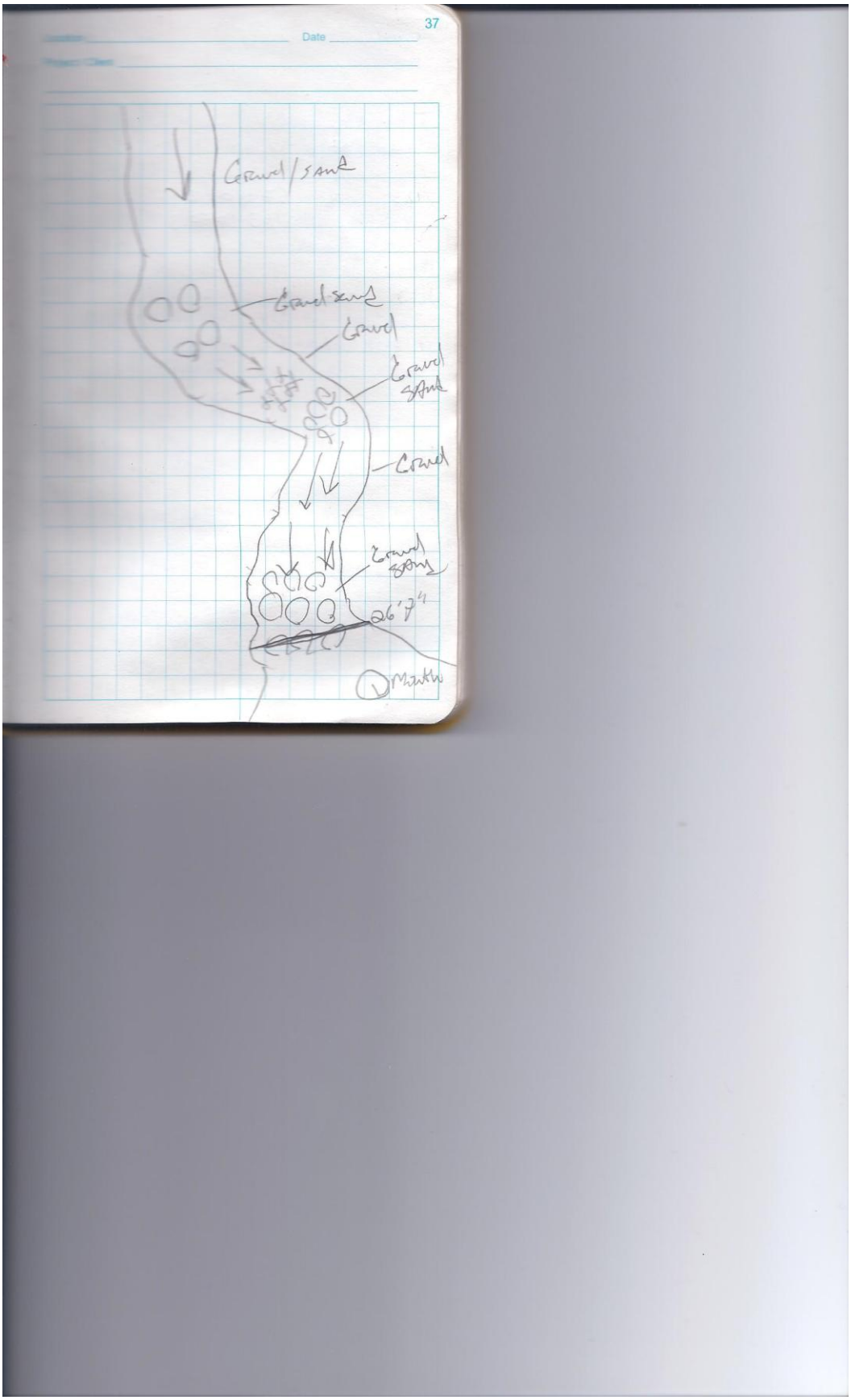
25
Date 8/26
Sec. 10
Gravel
Sand
Gravel
Rock
Cobble
Gravel
25' 2"(14)

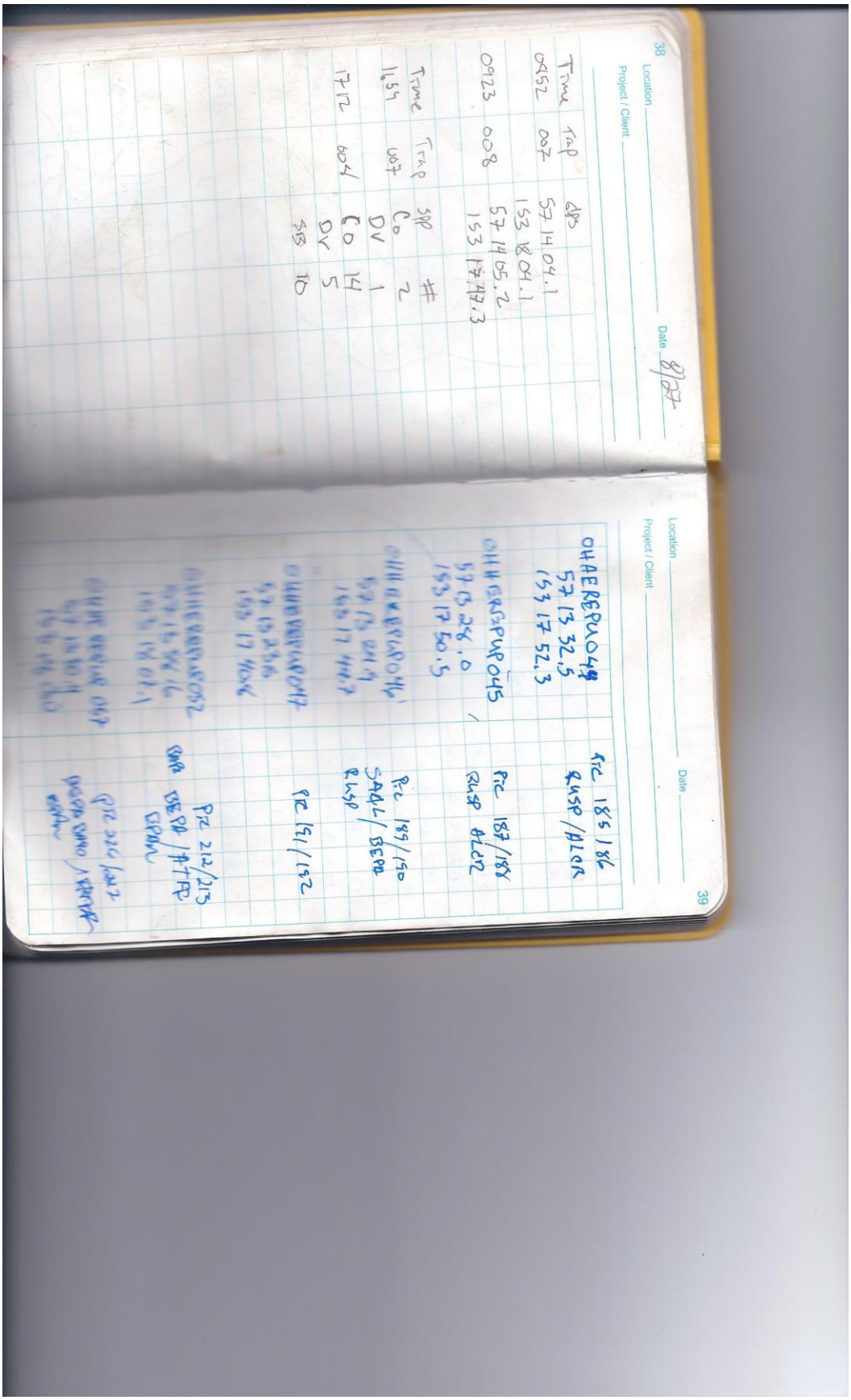
Date 8/26
27
Sec 11
Gravel
Gravel

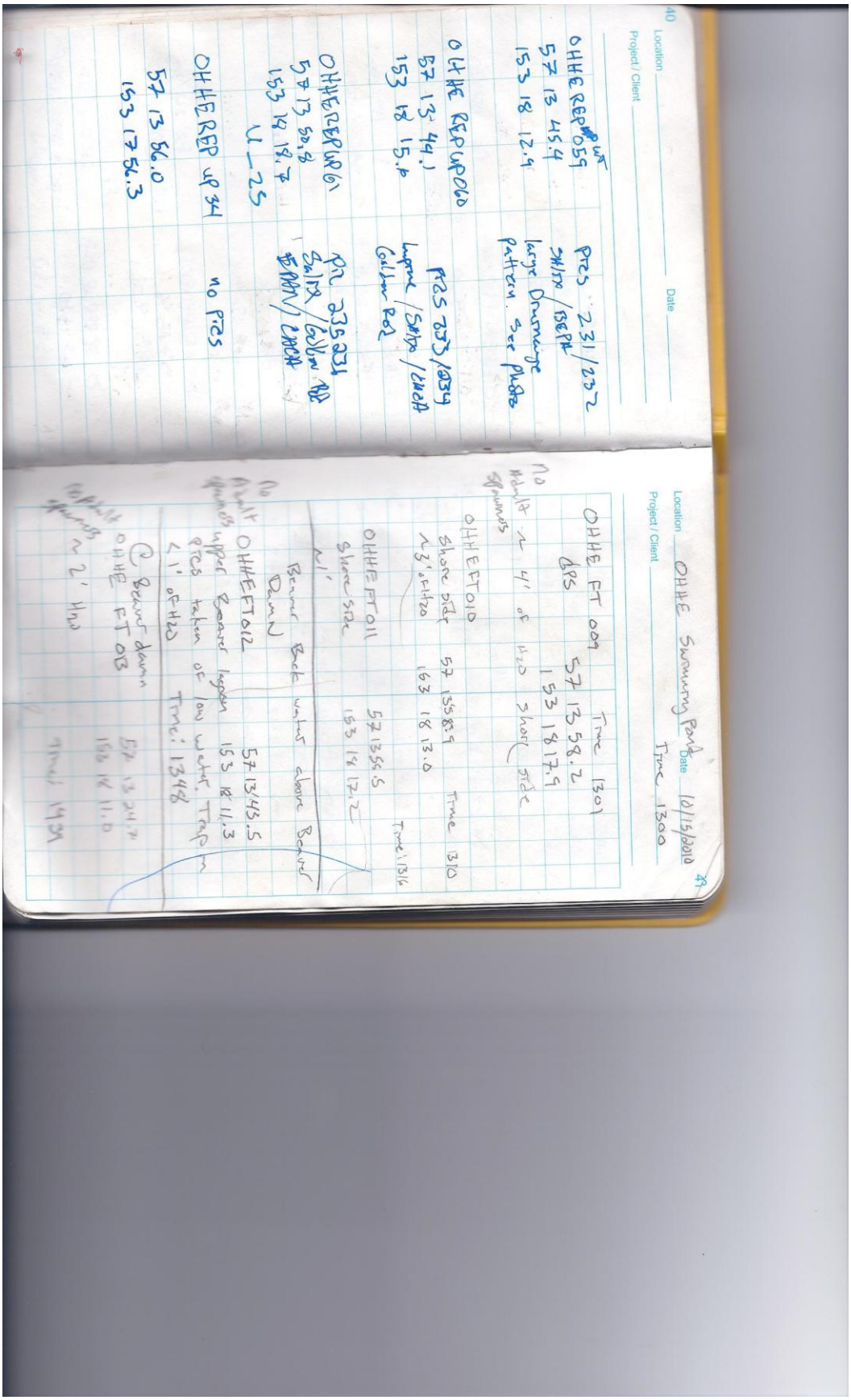

Date 8/24
31
Sec 13
Sand
15

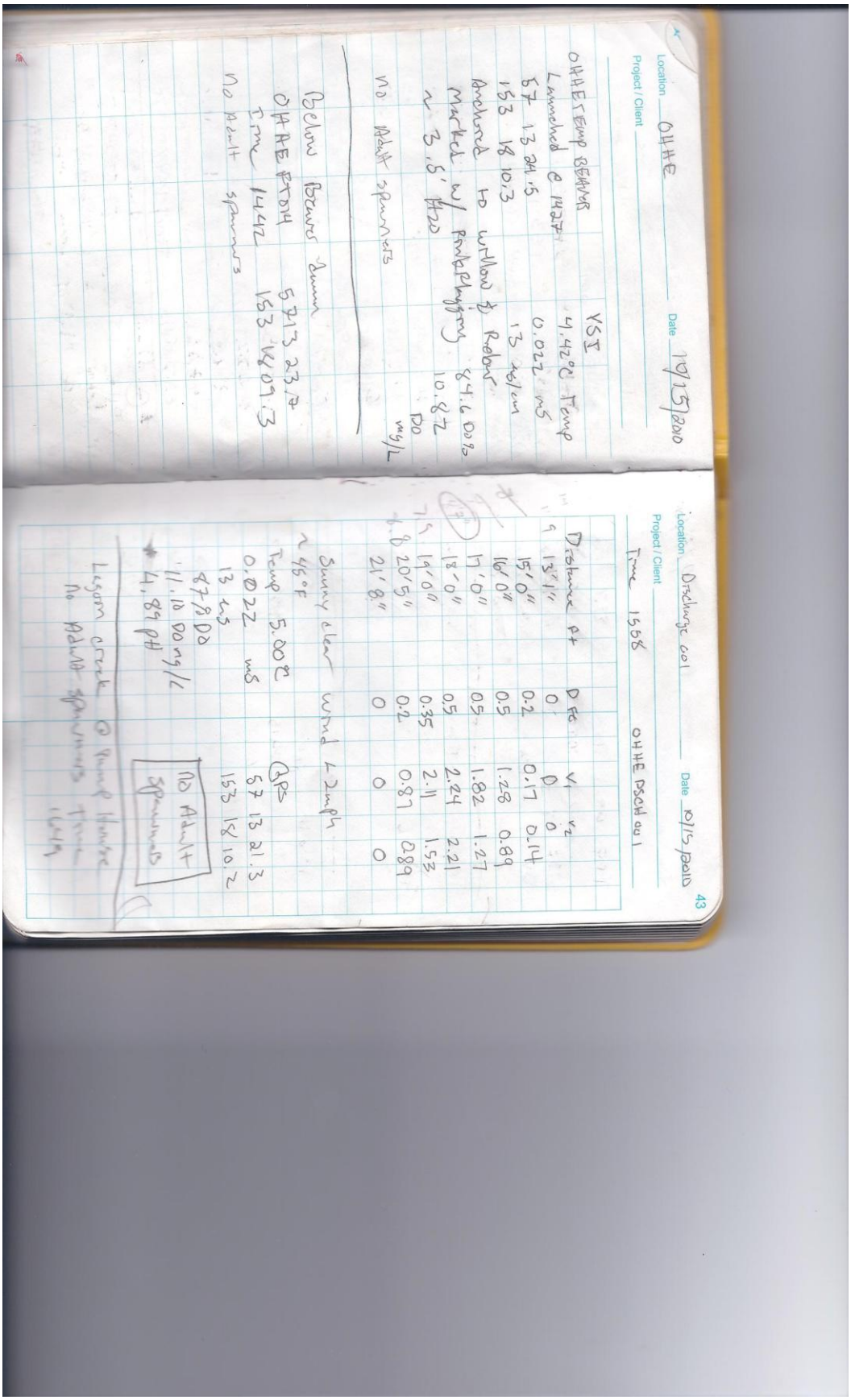
33
Date
Sand/Gravel
Gravel
2'7"
Sand/Gravel
Gravel
Gravel
Gravel

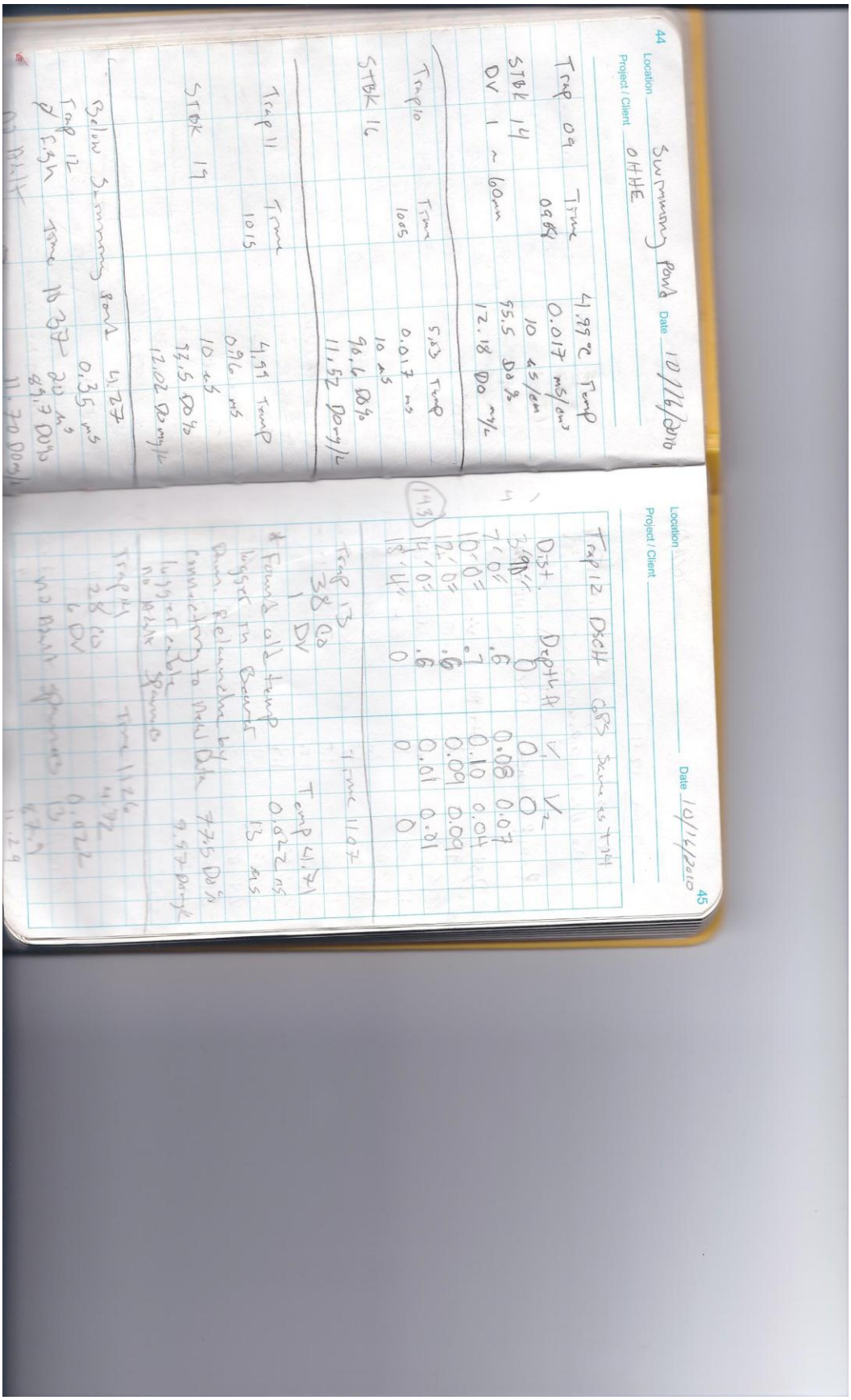
35
Gravel
Sand
20'D
17
Gravel
sand/gravel
18 17'8"
Gravel


37
Date
Gravel/sand
Gravel sand
Gravel
Gravel sand
Gravel
Gravel sand
26'7"
Mouth


38
Location
Project / Client
Date 8/27
Time Trap dps
0952 007 57 14 04.1
153 18 04.1
0923 008 57 14 05.2
153 17 47.3
Time Trap spp #
1659 007 Co 2
DV 1
1712 004 Co 14
DV 5
SB 10
Location
Project / Client
Date
39
OHAEREPU049 PIC 185/186
57 13 32.5 RUSP/ALCR
153 17 52.3
OHHERSPUP045 PIC 187/188
57 13 28.0 RUSP ALCR
153 17 50.5
OHHEREPUP046 PIC 189/190
57 13 24.9 SAAL/BEPA
153 17 44.7 RUSP
OHHEREPUP047 PIC 191/192
57 13 23.6
153 17 40.6
OHHEREPUP052 PIC 212/213
57 13 38.6 BAPA BEPA/ATFR
153 18 07.1 BPAN
OHHEREPUP057 PIC 224/227
57 13 30.4 BAPA BAPO/ATFR
153 18 16.0 BPAN


Location
Project / Client
Date
OHHE REP UP059
57 13 45.4
153 18 12.9
PICS 231/232
SAIX / BEPA
large Drainage
Pattern. See Photo
OHHE REP UP060
57 13 44.1
153 18 15.6
PICS 233/234
Lupine / SAIX / CHCA
Golden Rod
OHHE REP UP61
57 13 50.8
153 18 18.7
U-25
PIC 235231
Salix / Golden Rod
EPAN / CHCA
OHHE REP UP 34
57 13 56.0
153 17 56.3
no PICS
Location OHHE Swimming Pond
Project / Client
Date 10/15/2010
Time 1300
OHHE FT 009
GPS
57 13 58.2
153 18 17.9
Time 1301
No Adult ~ 4' of H2O Shore side
Spawners
OHHE FT010
Shore side
~3' of H2O
57 13 58.9
153 18 13.0
Time 1310
OHHE FT011
Shore side
~1'
57 13 56.5
153 18 17.2
Time 1316
Beaver Back water above Beaver Dam N
No Adult Spawners
OHHE FT012
upper Beaver lagoon
PICS taken of low water. Trap
<1' of H2O
57 13 43.5
153 18 11.3
Time: 1348
@ Beaver dam
OHHE FT 013
~2' H2O
57 13 24.7
153 18 11.0
Time: 1939
No Adult Spawners


Location OHHE
Date 10/15/2010
Project / Client
OHHE Temp Beaver
VSI
Launched @ 1427
4.42°C Temp
57 13 24.5
0.022 mS
153 18 10.3
13 us/cm
Anchored to willow & Rebar
Marked w/ Pink Flagging
84.6 DO%
~ 3.5' H2O
10.82
DO
mg/L
No Adult spawners
Below Beaver dam
OHHE PT04
5713 23.7
Time 1442
153 18 09.3
No Adult spawners
Location Discharge 001
Date 10/15/2010
Project / Client
Time 1558
OHHE DSCH 001
Distance Pt
D Fc
V1
V2
9 13'1"
0
0
0
15'0"
0.2
0.17
0.14
16'0"
0.5
1.28
0.89
17'0"
0.5
1.82
1.27
18'0"
0.5
2.24
2.21
19'0"
0.35
2.11
1.53
20'5"
0.2
0.87
0.89
21'8"
0
0
0
Sunny clear wind < 2mph
~ 45°F
Temp 5.00°C
GPS
0.022 mS
57 13 21.3
13 us
153 18 10.2
87% DO
11.10 DO mg/L
4.89 pH
No Adult Spawners
Lagoon creek @ Pump House
No Adult spawners Time 1649
43


44
Location Swimming Pond Date 10/16/2010
Project / Client OHHE
Trap 09 Time 0984 4.99°C Temp 0.017 mS/cm³ 10 uS/cm 95.5 DO% 12.18 DO mg/L
STBK 14
DV 1 ~ 60mm
Trap 10 Time 1005 5.03 Temp 0.017 mS 10 uS 90.6 DO% 11.52 DO mg/L
STBK 16
Trap 11 Time 1015 4.99 Temp 0.96 mS 10 uS 93.5 DO% 12.02 DO mg/L
STBK 19
Below Swimming Pond 4.27 0.35 mS
Trap 12 Time 1037 20 uS 89.7 DO% 11.70 DO mg/L
Trap 12 DSCH GPS Same as T14
Dist. Depth A V1 V2
3'90" 0 0 0
7'0" .6 0.08 0.07
10'0" .7 0.10 0.04
12'0" .6 0.09 0.09
14'0" .6 0.01 0.01
18'4" 0 0 0
Trap 13 Time 1107
38 Co Temp 4.71
1 DV 0.022 mS
* Found old temp 13 uS
logger in Beaver
Dam. Relaunched by
connecting to new data 77.5 DO%
logger cable 9.97 DO mg/L
no Adult Spawners
Trap 14 Time 1126
28 Co 4.72
6 DV 0.022
no Adult Spawners 13
87.9
11.29
Location
Project / Client
Date 10/16/2010
45

Old Harbor Stream Habitat Data Sheet

LOC OHHESSX001
Date 8/26
GPS N 57 13.39 W 153 18.15

Velosity

Distance	Time	Correction
50'	29.90	.8
50'	32.63	.8
50'	24.50	.8

Shade %: 20
IWD: 2

Feature Type: RIFFLE
Riparian Veg: Alder / willow
Adult Spawn: NO

Substrate

Silt	Sand	Gravel	Cobble	Rock
		X	X	

X Section

Fish Trap NO

Depth (ft)		Width
.43		13.2
.55		
.43		

Sp	Number

H2O Chem NO

DSCH NO

Temp	DO%	DO mg/L	pH

Dist	Depth	V1	V2

Old Harbor Stream Habitat Data Sheet

LOC OHHES5X002
Date 8/26/2010

GPS N57 13.37 W153 18.13

Velosity ND

Feature Type Riffle

Riparian Veg Alder / willow

Adult Spawn ND

Distance	Time	Correction

Shade %
70

IWD
1.2

Substrate

Silt	Sand	Gravel	Cobble	Rock
		X	X	

X Section

Fish Trap ND

Depth (ft)		Width
.47		73.8
.35		
.47		

Sp	Number

H2O Chem ND

DSCH ND

Temp	DO%	DO mg/L	pH

Dist	Depth	V1	V2

Old Harbor Stream Habitat Data Sheet

LOC OH#ES8x003
Date 4/26/2010

GPS N 57 13.35 W 153 18.16

Velosity no

Feature Type Pool

Riparian Veg Alder / willow

Adult Spawn no

Substrate

Silt	Sand	Gravel	Cobble	Rock
	X	X		

Fish Trap no

Distance	Time	Correction
~~10~~		
~~5~~		
~~5~~		

Shade % 95

IWD 23

X Section

Depth (ft)		Width
.6		29.4
.7		
.9		

Sp	Number

H2O Chem no

DSCH no

Temp	DO%	DO mg/L	pH

Dist	Depth	V1	V2

Old Harbor Stream Habitat Data Sheet

LOC OHHE~~SSK~~009
Date 8/26/2010

GPS N 57 13.33 W153 18.17

Velosity ND

Feature Type Riffle

Riparian Veg Alders / willow

Adult Spawn ND

Distance	Time	Correction

Shade %
85

IWD
14

Substrate

Silt	Sand	Gravel	Cobble	Rock
		X	X	

X Section

Fish Trap ND

Depth (ft)		Width
.67		24.7
1.14		
.87		

Sp	Number

H2O Chem ND

DSCH ND

Temp	DO%	DO mg/L	pH

Dist	Depth	V1	V2

Old Harbor Stream Habitat Data Sheet

LOC OHHESSX005
Date 8/26/2010

GPS N57 13.32 W153 18.169

Velosity no

Feature Type Run

Distance	Time	Correction

Riparian Veg Alder / willow

Adult Spawn no

Shade %
85

IWD
34

Substrate

Silt	Sand	Gravel	Cobble	Rock
	X	X		

X Section

Fish Trap no

Depth (ft)		Width
.59		21.00
.54		
1.10		

Sp	Number

H2O Chem no

DSCH no

Temp	DO%	DO mg/L	pH

Dist	Depth	V1	V2

Old Harbor Stream Habitat Data Sheet

LOC OHHESSK006
Date

GPS N57 13.32 W153 15.17

Velosity ND

Feature Type Run

Distance	Time	Correction

Riparian Veg Alder / willow

Adult Spawn ND

Shade %
20

IWD
8

Substrate

Silt	Sand	Gravel	Cobble	Rock
	X	X		

X Section

Fish Trap ND

Depth (ft)		Width
.35		24.4
.98		
.76		

Sp	Number

H2O Chem ND

DSCH ND

Temp	DO%	DO mg/L	pH

Dist	Depth	V1	V2

Old Harbor Stream Habitat Data Sheet

LOC OHHESSX008
Date 8/26/2010

GPS

Velosity no

Feature Type 8001

Riparian Veg Poplar / willow

Adult Spawn no

Distance	Time	Correction

Shade %
35

IWD
24

Substrate

Silt	Sand	Gravel	Cobble	Rock
	y	x		

X Section

Fish Trap no

Depth (ft)		Width
0.71		25.20
1.61		
1.38		

Sp	Number

H2O Chem no

DSCH no

Temp	DO%	DO mg/L	pH

Dist	Depth	V1	V2

Old Harbor Stream Habitat Data Sheet

LOC OHHESSX007
Date 8/26

GPS N57 13.31 W 153 18.18

Velosity ND

Feature Type Pool

Distance	Time	Correction

Riparian Veg Alder/willow

Adult Spawn ND

Shade %
20

IWD
21

Substrate

Silt	Sand	Gravel	Cobble	Rock
	X	X		

X Section

Fish Trap ND

Depth (ft)		Width
1.38		26.3
2.17		
.96		

Sp	Number

H2O Chem ND

DSCH ND

Temp	DO%	DO mg/L	pH

Dist	Depth	V1	V2

Old Harbor Stream Habitat Data Sheet

LOC OHHESSx009
Date 6/26/2010

GPS N 57 13.27 W 153 18.16

Velosity no

Feature Type Riffle

Riparian Veg Poplars / willow

Adult Spawn no

Substrate

Distance	Time	Correction

Shade %
35

IWD
12

Silt	Sand	Gravel	Cobble	Rock
		X	X	

X Section

Fish Trap no

Depth (ft)		Width
1.02		25.7
1.49		
.59		

Sp	Number

H2O Chem no

DSCH no

Temp	DO%	DO mg/L	pH

Dist	Depth	V1	V2

Old Harbor Stream Habitat Data Sheet

LOC OHHES5X010
Date 6/26/2010

GPS N 57 13.26 W 153 18.17

Velosity Yes

Feature Type Riffle

Riparian Veg Poplar / willow

Adult Spawn no

Substrate

Distance	Time	Correction
50'	21.74	.18
50'	21.10	.16
50	22.52	.16

Shade %
20

IWD
12

Silt	Sand	Gravel	Cobble	Rock
		X	X	

X Section

Fish Trap no

Depth (ft)		Width
.43		36.00
.51		
.59		

Sp	Number

H2O Chem no

DSCH no

Temp	DO%	DO mg/L	pH

Dist	Depth	V1	V2

Old Harbor Stream Habitat Data Sheet

LOC OHHES5X011
Date 6/26/2010

GPS N 57 13.25 W 153 18.22

Velosity ND

Feature Type Pool / Run

Riparian Veg Poplar / willow

Adult Spawn ND

Distance	Time	Correction

Shade %
15

IWD
1.5

Substrate

Silt	Sand	Gravel	Cobble	Rock
	X	X		

X Section

Fish Trap ND

Depth (ft)		Width
.24		72.60
.98		
1.06		

Sp	Number

H2O Chem ND

DSCH ND

Temp	DO%	DO mg/L	pH

Dist	Depth	V1	V2

Old Harbor Stream Habitat Data Sheet

LOC OHHS[illegible]
Date 8/26/2010

GPS W5713.23W153 18.19

Velosity no

Distance	Time	Correction

Shade %
15

IWD
21

X Section

Depth (ft)		Width
1.02		22.9
.94		
.35		

H2O Chem no

Temp	DO%	DO mg/L	pH

Feature Type Run

Riparian Veg Poplar/willow

Adult Spawn no

Substrate

Silt	Sand	Gravel	Cobble	Rock
		X		

Fish Trap no

Sp	Number

DSCH no

Dist	Depth	V1	V2

Old Harbor Stream Habitat Data Sheet

LOC OHHES5X013
Date 8/26/2010

GPS N57 13.21 W153 18.20

Velosity yes

Feature Type Riffle

Riparian Veg poplar/willow

Adult Spawn no

Distance	Time	Correction
50'	12.53	19
50'	12.61	19
50'	12.87	16

Shade %
40

IWD
30

Substrate

Silt	Sand	Gravel	Cobble	Rock
		X		

X Section

Fish Trap no

Depth (ft)		Width
.59		24.3
.71		
.95		

Sp	Number

H2O Chem no

DSCH no

Temp	DO%	DO mg/L	pH

Dist	Depth	V1	V2

Old Harbor Stream Habitat Data Sheet

LOC OHHES5K014
Date 8/26/2010

GPS N57 13.146 W153 18.23

Velocity no

Feature Type Riffle

Riparian Veg Poplar / willow

Adult Spawn no

Distance	Time	Correction

Shade %
50

IWD
24

Substrate

Silt	Sand	Gravel	Cobble	Rock
		X	X	

X Section

Fish Trap no

Depth (ft)		Width
.59		29.20
1.46		
.71		

Sp	Number

H2O Chem no

DSCH no

Temp	DO%	DO mg/L	pH

Dist	Depth	V1	V2

Old Harbor Stream Habitat Data Sheet

LOC OHHE55X015
Date 8/26/2010

GPS N57 13.09W15318.13

Velosity no

Feature Type: Pool

Riparian Veg: willow

Adult Spawn: no

Distance	Time	Correction

Shade %: 40

IWD: 10

Substrate

Silt	Sand	Gravel	Cobble	Rock
	X	X		

X Section

Depth (ft)		Width
1.81		28.9
2.4		
1.7		

Fish Trap no

Sp	Number

H2O Chem no

Temp	DO%	DO mg/L	pH

DSCH no

Dist	Depth	V1	V2

Old Harbor Stream Habitat Data Sheet

LOC OHHES5X016
Date 8/26/2010

GPS N57 13.03 W153 18.00

Velosity yes

Feature Type Pool / Run

Riparian Veg Sedge Persistent Emergent

Adult Spawn no

Distance	Time	Correction
25	30.7	.8
25	31.8	.8
		.8

Shade %
<10

IWD
8

Substrate

Silt	Sand	Gravel	Cobble	Rock
	X	X		

X Section

Fish Trap no

Depth (ft)		Width
.31		21.70
.59		
1.5		

Sp	Number

H2O Chem no

DSCH no

Temp	DO%	DO mg/L	pH

Dist	Depth	V1	V2

Old Harbor Stream Habitat Data Sheet

LOC OHHE05X017
Date 8/26/2010

GPS N 57 13.00 W 153 17.92

Velosity ND

Feature Type Run

Distance	Time	Correction

Riparian Veg Persistant Emergent

Adult Spawn ND

Shade %
<10

Substrate

IWD
3

Silt	Sand	Gravel	Cobble	Rock
		X		

X Section

Fish Trap NO

Depth (ft)		Width
.34		20.1
.7		
1.57		

Sp	Number

H2O Chem ND

DSCH NO

Temp	DO%	DO mg/L	pH

Dist	Depth	V1	V2

Old Harbor Stream Habitat Data Sheet

LOC OHHE55x018
Date 8/26/2010

GPS N57 12.598W153 17.97

Velosity NO

Feature Type Riffle

Riparian Veg Persistent Emergent

Adult Spawn NO

Distance	Time	Correction

Shade %
40

IWD
0

Substrate

Silt	Sand	Gravel	Cobble	Rock
		X		

X Section

Fish Trap NO

Depth (ft)		Width
.78		17.4
.39		
.27		

Sp	Number

H2O Chem NO

DSCH NO

Temp	DO%	DO mg/L	pH

Dist	Depth	V1	V2

Old Harbor Stream Habitat Data Sheet

LOC OHHE55X019
Date 8/26/2010

GPS N57 12.92 W153 17.95

Velosity NO

Feature Type Pool

Distance	Time	Correction
~~1.73~~		
~~2.56~~		
-		

Riparian Veg Persistant Emergent

Adult Spawn NO

Shade %
<10

Substrate

IWD
2

Silt	Sand	Gravel	Cobble	Rock
	X	X		

X Section

Fish Trap NO

Depth (ft)		Width
1.73		26.7
2.56		
3.62		

Sp	Number

H2O Chem NO

DSCH NO

Temp	DO%	DO mg/L	pH

Dist	Depth	V1	V2

Old Harbor Stream Habitat Data Sheet

LOC OHHE0SCH001
Date 10/15/2010

GPS N57 13' 43.8" W153 18' 11.8"

Velosity

Distance	Time	Correction

Shade %
15

IWD

X Section

Depth (ft)		Width

H2O Chem

Temp	DO%	DO mg/L	pH
5.00	87	11.10	

Feature Type Riffle

Riparian Veg Alder/willow

Adult Spawn No

Substrate

Silt	Sand	Gravel	Cobble	Rock
		X		

Fish Trap

Sp	Number

DSCH

Dist	Depth	V1	V2
13.1	0	0	0
15.0	0.7	0.17	0.14
16.0	0.5	1.78	0.89
17.0	0.5	1.82	1.27
18.0	0.5	2.24	2.21
19.0	0.35	2.11	1.53
20.5	0.2	1.47	0.89
21.8	0	0	0

Old Harbor Stream Habitat Data Sheet

LOC OHHEDSCH002
Date 10/16/2010

GPS N 57 13' 43.4" W 153 18' 11.8"

Velosity SEE DSCH

Feature Type RIFFLE

Riparian Veg willow

Adult Spawn NO

Distance	Time	Correction

Shade %
15

IWD

Substrate

Silt	Sand	Gravel	Cobble	Rock
	X			

X Section SEE DSCH

Fish Trap NO

Depth (ft)		Width

Sp	Number

H2O Chem

DSCH

Temp	DO%	DO mg/L	pH
4.71	77.5	9.97	

Dist	Depth	V1	V2
3.90	0	0	0
7.0	.6	0.08	0.07
10'	.7	0.10	0.04
12'	.6	0.09	0.09
14'	.6	0.01	0.01
16.4	0	0	0

Old Harbor Stream Habitat Data Sheet

LOC OHHE DSCH003
Date 10/16/2010

GPS N57 13.05.6 W153 18'07.4"

Velosity

Distance	Time	Correction

Shade %
10

IWD

X Section

Depth (ft)		Width

H2O Chem

Temp	DO%	DO mg/L	pH
5.52	80.7	11.18	6.15

Feature Type Run

Riparian Veg willow

Adult Spawn NO

Substrate

Silt	Sand	Gravel	Cobble	Rock
	X	X		

Fish Trap

Sp	Number

DSCH

Dist	Depth	V1	V2
4.9	0	0	0
9.0	.5	0.06	0.01
12'	1	0.14	0.09
15'	1.25	0.21	0.21
17'	1.5	0.36	0.22
19'	1.5	0.43	0.28
21'	1.5	0.41	0.36
23'	1.8	0.46	0.46
25'	1.4	0.42	0.40
27'	1.3	0.41	0.31
29	1.5	0.22	0.15
31	1.7	0.05	0.01
33.7	0	0	0