

**DURA** *lite*<sup>®</sup>  
WATERPROOF  
**FIELD**  
№ 653

Susitna R.  
Trib. Gaging  
1945. 150  
Sep. 2015

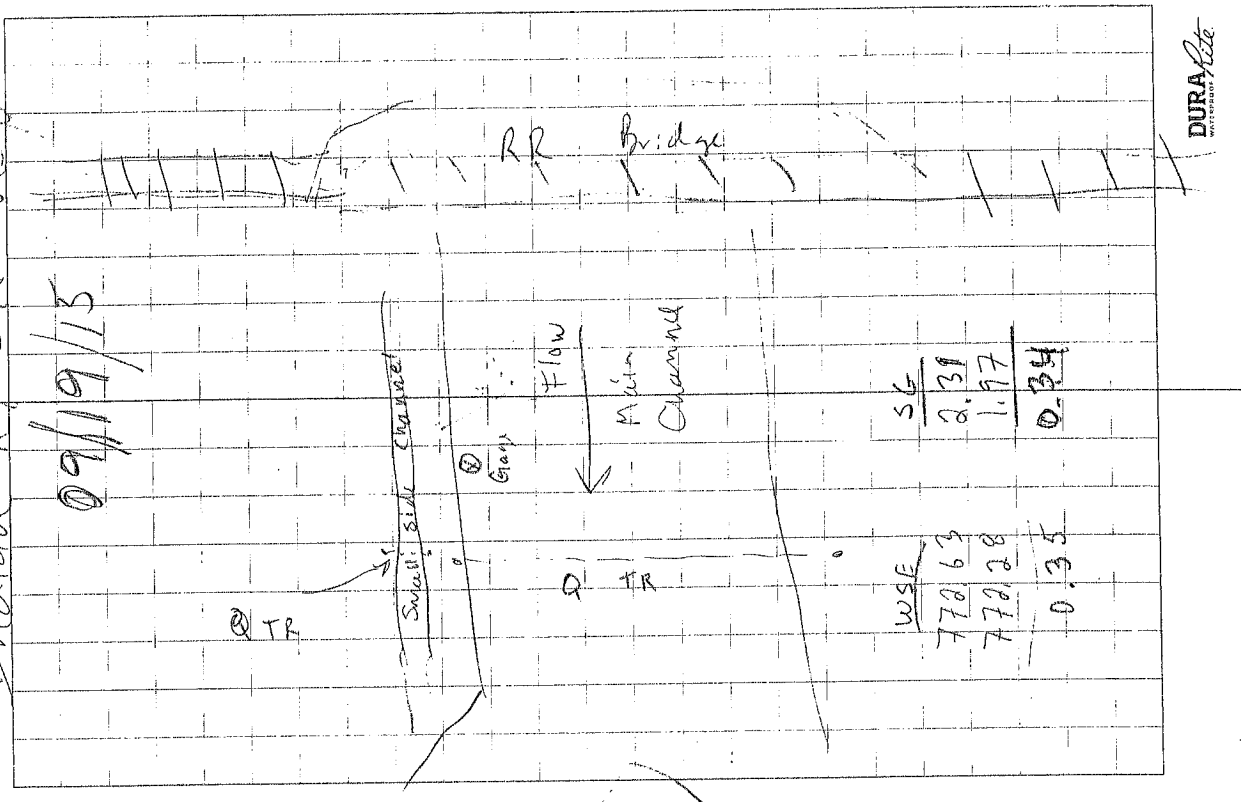


India R. Level Loop & Survey 09/19/15

STA	BS	HI	FS	Elevation
B.M. - 1	1.62	778.69		777.07
B.M. - 2		1.71		776.98
B.M. - 3		2.64		776.05
Top wood	4.37			774.32
Top steel plate	3.02			773.67
Top PVC pipe	3.07			774.82
TIKX	3.90			774.71
TIKX		778.58		774.71
Top plate	4.92			773.66
Top wood	4.25			774.33
Top PVC tube	3.76			774.82
Backup Unit	7.61			770.99 <sup>middle tube</sup>
B.M. - 3	2.52			776.06
B.M. - 2	1.60			776.98
B.M. - 1	1.52			777.06
WSE @ gage	6.30			772.28

India R. Site Map

09/19/15



Susitna R. Flow Gaging

9/20/15

- 1) Isisema Cr - No Q, WSE, pull
- 2) Fog Cr. - Discharge, WSE, confirm  
BMC locations, map, pull
- 3) FA 173 - pull temp loggers
- 4) Portage - Q, WSE, pull unit
- 5) FA 151 - package level loggers for left  
- WSE & pull unit

Fog Cr 09/20/15

Time ~~7:25~~ 7:25 / 10:45  
S.B. 1:69 pulled

Q = 360.4 cfs (Flowtracker)

Crew: Mc Gaykin  
A Wegbright  
Marc Estremer  
Kenton (hub)

Pressure Transducer: 23495  
Back-up RT = 22426

Photos: Olympus: 089-107

\* removed all gaging equipment  
and survey markers

Fog Ca 09/20/15

STA BS HI FS Elev

BM-3 2.25 1416.99 1414.74

BM-2 3.19 1413.8

BM-2 3.03 1413.8

BM-TR-WP 3.93 1412.90

BM-2 4.59 1413.8

BM-3 3.66 1414.73

Top wood 5.24 1413.15

Top plank 5.91 1412.48

WSE @ staff 7.53 1410.86

Top tube main unit 9.51

WSE @ " " 8.26

Top tube back up unit 9.22

WSE @ " " 8.55

Tsusena Creeke 9/20/15

~~Time~~ In Out

Time 11:20 2:00

S.G. 1:38

Q Flow Tracker = 409.1 cfs

Crew: M. Gagnier  
A. Wengert  
M. Esterhuysen

Photos: 108 - 183 (Olympus)

Removed barabeggs # 23129

Primary Pressure Transducer 33902

Backup PT 33877

Measured discharge (ADV): 409.1 cfs

Removed all gaging equipment and survey marks

Tsusewa Cr. Elevation Survey

STA BS HI FS Elevation	
BM-1 3.59	1465.89
BM-2	5.63 1463.25
BM-3	8.00 1460.88
Top backup tube	14.64 1454.24 ✓
WSE @ "	13.94 1454.94
Top wood	16.32 1457.56 ✓
staff plate	11.99 1456.89
Top PVC tube	10.73 1458.13 ✓
WSE @ staff	13.93 1454.93 ✓
Rock TP	13.33 1453.55
Rock	12.90 1468.95 13.49 1456.55
plate	11.50 1456.95 ✓
wood	10.88 1457.57 ✓
Tube still wood	10.29 1458.16 ✓
backup Tube	14.21 1454.24
WSE @ "	13.49 1454.96
BM-3	7.56 1452.81 ✓
BM-2	5.19 1463.26
BM-1	3.16 1453.30 ✓

Tsusewa Cr

STA BS HI FS Elevation	
Top wood	1468.45 10.89 1457.56 ✓
Top staff	11.55 1456.90

FA-173

09/20/15

Time 1:17 pm

photo: 128, 129

Temp Unit # 20855  
pulled from stream  
left bank side channel

Time 1:28 pm

photo # 133, 134  
right bank <sup>pond</sup> <sup>side</sup>

Temp Unit: 9854

Time 1:35 pm

photo # 135, 136  
Temp Unit # 9819  
small tank

Time 1:37 pm

photo # 139, 140  
Temp Unit # 9820  
d/s trib, in side channel

Time 1:50 pm

photo # 141, 142  
Temp Unit # 9851  
d/s 11:21

Portage Cr.  
9/20/15

In Out  
Time 2:30 3:10  
5.6 1.36 pulled out

Crew: M. Goggin  
A. W. ...  
M. Esterhuysen

Photos: 165 174

Barcode Unit # - 23124  
barcode Unit # - 33865  
Main Unit # - 33864

pulled barcode backup & main  
logger units. All survey markers  
observed

Portage Co. Central  
Survey 09/20/15

STA BS HI TS ELEV

BM-1	3.57	86	860.60
BM-3 (rebar)	4.77	✓	855.83
BM-2 (over stake)	3.18	✓	857.42
Top of curb	5.92	✓	854.68
Top of sidewalk	5.50	✓	855.10
Top of driveway	6.38	✓	854.02
Top of driveway	7.68	-	850.92
Rock	8.33	✓	852.87
Rock	6.57	✓	854.03
BM-1	6.37	860.4	854.03
Top of curb	5.30	855.10	
Wood plate	5.71	859.61	
WST	6.39	854.01	
Backup tube	8.14	852.26	
BM-2	9.47	850.93	
BM-3	2.98	857.92	
BM-3	4.57	855.83	
BM-1	3.38	857.02	

FA 151 S/S End

09/20/15

3:00 pm  
3:57 pm

STA 35

PIV marker 45385

IPM 151.81

1.11

Rebar @ end of grade 6.112

Tube

WST

Waste to make sure rd is

Unit # 23911

X removed rebar

rebar

Gold Creeks Gage  
09/23/15

In Out  
3:45 5:00  
1:27 pulled out/round  
of

Q = 58.05 cfs

plumbos # 206 315/1017

meter # 22877  
# 23917

\* all equipment & values in  
p release to for site

Gold Cr. Goutal Spill  
09/23/15

BM-1	4.95	784.06
BM-2		782.81
BM-3		782.71
Wood	9.54	778.77
Stake	10.21	778.3
Tube	8.82	779.09
WSE	12.25	776.26
Rock	7.45	781.06
Rock	7.21	781.06
WSE	12.04	776.25
Top Tub	8.58	777.6
Wood	9.30	778.77
Stake	9.97	778.30
BM-2	5.56	782.81
BM-1	4.21	784.06
Back up unit mid tube	12.54	775.1

DURA  
Pete

FA-128 U/S 9/25/15

Time 9:15 / 10:15

STA BS HI FS Elev

BM-1 \* 10.86

BM-2 4.74

(7538-5)

126.61

WSE

substn

width

F

12.40

12.03

11.75

~~10.26~~

dist

0095

Beschka R. 9/20/15

IN	OUT
Thu 9:30	11:50

- Bandolier # 10022079

Primary #7: 22436

Tracking #7: 23483

Velocity Mill. 100  
Vischer. 2. 200

\* upstream must have  
appears to have some  
cases to make in the  
- some cut - 100%  
- covered - 100%  
- to make - 100%  
- 100% - 100%

9/28/15

Ncsinken

STA BS HZ 1 S E lawn

Mail  
in bag

86.00  
83.01

U113 C.62  
86.62

1/11 X50C  
slab.

stitch  
top unit

~~11.77~~  
12.20  
9.65 = 6.92

Probe (backup)  
13 MSF MIT  
=

has moved  
now in  
2' from  
slab

9.93  
76.99  
76.99

ups most  
unit (top wire)  
more  
unit

USE

\* NO staff gage & Basico with

Monitor B Sheep 7/28/15

Time  
10:40 / 2:30  
2:36 /  
- (continued)

PT Unit # 23476

side view  
top view

\* removed all epoxy  
pins with 7978

\* red wire

Su @ Shoen Co.  
9/28/13

STA BS 11.75 Eleva

14M	6.61	186.89	180.22
14M		186.78	
Top Tube		177.36	
Top board		177.89	
Top staff plate		176.79	
11.5E		177.44	
		177.39	
		177.55	

4.43	186.98	182.55
		182.78
		182.22
		176.41
		177.77
		177.50
		176.44

Su @ Caswell Cr.

9/28/15

Time	0:50	3:40
Cost	0.55	
		pull
		2.0

Crane M. (S...)  
A. Weybright

TP Unit # 23479

Comments: staff gage and level together in ground was by border. Gage supported and stationary. Ground staff is still solving markers.

Swain 7/23/15

SS 33 4 1/2 IS Elevator

BM-1 2.37

165.98

165.14

BM-2  
staff plate  
wood

162.20

161.14

161.82

162.47

158.36

158.61

BM-3  
staff plate  
wood

158.61

160.30

BM-4  
staff plate  
wood

161.14

161.82

162.47

158.36

162.20

162.47

BM-5  
staff plate  
wood

162.47

Sleep Co. 9/29/15

Time In / Out  
S.G. 9:00 / 10:20  
3:51 - removed

\* heavy rain over past  
4 days, sleep co. staff  
unable to measure discharge  
top fast & set in  
\* unable to set in  
\* pulled staff & backup unit

Shrop. Cuy. Survey  
 9/29/13  
 S/A BS H. E. 100

BM-1 3.21 207.36  
 216.57  
 BM-2 2.08 203.49  
 7.37 203.18  
 8.58 203.18  
 8.24 202.34 (stall)

BM-3 4.18 207.36  
 8.73  
 9.74

back up tubes - not able to shoot  
 10/1/13  
 10/2/13

9/29/13

17.25  
 10.75 12.25  
 3.26 removed

Vinay Transducer: 33876  
 Backup P. Transducer: 33887

Velocity tubes: 10V  
 533 cfs

\* recorded staff gage, water level  
 backup P. units and all  
 backup P. gages

\* found heads for BM-1 and BM-2  
 BM-1 was in 350' from  
 station

Criswell Cr. Survey  
7/29/13

S1A BS 11 13 8100

paint  
900

1 5.39  
wood solvent

1.68

wood stake

BM-3

8.28

7.79

7.06

5.99

7.82

7.23

7.35

WISE man unit

WISE backup unit

wood stake

Ⓟ

7.68

wood stake

backup

rebar

WISE backup

plate

wood

WISE man A

BM-1

BM-2

8.63

8.17

8.09

7.47

8.16

6.09

7.93

not sure  
what this is