

Ciscell, Michael

From: Pittman, Heidi
Sent: Tuesday, November 05, 2013 10:59 AM
To: Ciscell, Michael
Subject: FW: Incoming Fax Message
Attachments: Fax001.pdf

-----Original Message-----

From: idwr.fax@idwr.idaho.gov [<mailto:idwr.fax@idwr.idaho.gov>]
Sent: Monday, November 04, 2013 2:43 PM
To: IDWR Fax
Subject: Incoming Fax Message

Please open the attached document. It contains a copy of a Received Fax.

Attachment File Type: pdf

multifunction device Location: 5th Floor Across from Kitchen
Device Name: 507 - 8E237

South Board of Control

From: Ron Shurtleff [waterdist65@srvinet.com]
Sent: Friday, November 01, 2013 4:18 PM
To: office@southboardofcontrol.com
Subject: Stream channel measurements 7/24/2013
Attachments: Gem A.xls; Gem B.xls

Ron,

Attached please find printouts for the result of the stream channel measurements on you A and B canals.

These printouts have a lot of numbers to look through the figure you are looking for is labeled "Section Q" near the bottom of the long column starting on the upper left.

The Gem A canal measured 165.47 CFS

The Gem B canal measured 122.44 CFS

When I checked the data I found an error in the Gem B measurement. I had one observation without a velocity value. I interpolated a figure for that station and the result was an increase in total Q. The flow I had reported to you was 117 CFS. The corrected flow after entering a velocity figure is 122 CFS

I hope this is helpful. If you have any difficulty with the attachments I have included please give me a call. 208-642-4465

Thanks,

Ron Shurtleff

165.47
122.44
56.00

343.91 CFS

corrected

<copy>

3. Instruments (c)2008
000000F297B7
AQP-1V1.3.7
V1.5

File Version:

Gage ID: OLEM A

User ID: RLS

Meter name: PAA11 std2

Meter id: S00140

Meter type: PAA11

Meter Standard: SAE

Meter Revs/Pulses: 1-Jan

Meter Const.S1: 2.2048

Meter Const.O1: 0.0178

Meter Const.C1: 0

Meter Const.S2: 0

Meter Const.O2: 0

Meter Const.C1: 0

Meter Const.S3: 0

Meter Const.O3: 0

End Time: 7/24/2013 12:38

Measure Time: 1.72

Section Diff: -4.33

Bag Gage height: 0

End Gage height: 0

Bag Staff height: 0

End Staff height: 0

Measure time: 40

Measure standard: SAE

Measure equipment: Susp.Cable

Sounding Weight: C15 0.30

Measure ice: No

Flood Measurement: No

Flood Coef: 0

Max Vertical Q: 5%

Percent Slope: 0

Measure Start at: REV

Vertical Count: 29

Section Velocity: 2.44

Section Width: 27.6

Section Area: 67.73

Section Diff: -4.33

Section Post Ev: -2.70%

Section Quality: na

Section WetPerim: 29.15

Section Hyd Rad: 2.32

Section Manning: 0

Section Chezy: 0

VERT

DIST

TOPTHIEDRDEPTH ORS TIME REV:HA HC:VF MBTH CLOCK MVEL OVEL VVEL SSAREA S&Q SSPCT FLAGS

1 1.9 0 0 0 E 43.02 11 0 1 1 10:55 0.58 0.58 0.58 0.48 0.28 0.20%

2 2.5 0.6 0 1.2 06 40.04 37 0 1 1 11:03 2.06 2.06 2.06 1 2.06 1.20%

3 3.5 1 0 1.2 06 40.41 32 0 1 1 11:07 1.76 1.76 1.76 1.2 2.12 1.30%

4 4.5 1.2 0 1.2 06 40.72 33 0 1 1 11:12 1.8 1.8 1.8 1.55 2.8 1.70%

5 5.5 1.55 0 1.55 06 40.3 43 0 1 1 11:15 2.37 2.37 2.37 1.95 4.62 2.80%

6 6.5 1.95 0 1.95 06 40.45 48 0 1 1 11:19 2.63 2.63 2.63 2.26 5.95 3.60%

7 7.5 2.26 0 2.26 06 40.12 52 0 1 1 11:29 2.88 2.88 2.88 2.5 7.19 4.30%

8 8.5 2.5 0 2.5 06 40.58 47 0 1 1 11:31 2.57 2.57 2.57 2.95 7.59 4.60%

9 9.5 2.95 0 2.95 06 40.54 51 0 1 1 11:33 2.79 2.79 2.79 3.05 8.51 5.10%

10 10.5 3.05 0 3.05 06 40.3 59 0 1 1 11:38 3.25 3.25 3.25 3.35 9.72 5.90%

11 11.5 3.35 0 3.35 08 40.84 47 0 1 1 11:40 2.56 2.56 2.9 3.35 9.72 5.90%

12 12.5 3.35 0 3.35 02 40.57 61 0 1 1 11:45 3.33 3.33 3.33 3.35 9.7 5.90%

13 12.5 3.35 0 3.35 08 40.68 45 0 1 1 11:45 2.46 2.46 2.89 3.35 9.7 5.90%

14 13.5 3.51 0 3.51 02 40.49 60 0 1 1 11:47 3.28 3.28 3.28 3.51 9.85 6.00%

15 14.5 3.56 0 3.56 02 40.05 57 0 1 1 11:53 3.16 3.16 3.16 3.56 9.76 5.90%

16 14.5 3.56 0 3.56 08 40.14 42 0 1 1 11:52 2.32 2.32 2.74 3.56 9.76 5.90%

17 15.5 3.55 0 3.55 07 40.24 59 0 1 1 11:57 3.25 3.25 3.25 3.55 9.1 5.50%

18 16.5 3.29 0 3.29 08 40.39 34 0 1 1 12:01 3.25 3.25 3.25 3.55 9.1 5.50%

19 17.5 3.49 0 3.49 02 40.36 57 0 1 1 12:04 3.13 3.13 3.13 3.49 9.38 5.70%

20 17.5 3.49 0 3.49 08 40.65 41 0 1 1 12:03 2.24 2.24 2.69 3.49 9.38 5.70%

21 18.5 3.4 0 3.4 02 40.52 58 0 1 1 12:07 3.17 3.17 3.17 3.4 9.77 5.90%

22 18.5 3.4 0 3.4 08 40.41 55 0 1 1 12:10 3 3 3 3.4 9.77 5.90%

23 19.5 3.15 0 3.15 02 40.64 56 0 1 1 12:09 2.32 2.32 2.87 3.4 9.77 5.90%

24 19.5 3.15 0 3.15 08 40.73 44 0 1 1 12:14 2.4 2.4 2.73 3.15 8.59 5.20%

25 20.5 3.05 0 3.05 02 40.71 51 0 1 1 12:18 2.78 2.78 2.78 3.05 7.61 4.60%

26 20.5 3.05 0 3.05 08 40.17 40 0 1 1 12:16 2.21 2.21 2.5 3.05 7.61 4.60%

27 21.5 2.95 0 2.95 06 40.28 41 0 1 1 12:20 2.26 2.26 2.26 2.95 6.67 4.00%

28 22.5 2.8 0 2.8 06 40.22 44 0 1 1 12:22 2.43 2.43 2.8 2.8 6.8 4.10%

29 23.5 2.6 0 2.6 06 41.05 39 0 1 1 12:26 2.11 2.11 2.11 2.6 5.49 3.30%

30 24.5 2.4 0 2.4 06 40.97 36 0 1 1 12:28 1.96 1.96 1.96 2.4 4.69 2.80%

31 25.5 2.15 0 2.15 06 40.3 33 0 1 1 12:31 1.82 1.82 1.82 2.15 3.91 2.40%

32 26.5 1.71 0 1.71 06 40.76 24 0 1 1 12:33 1.32 1.32 1.32 1.71 2.25 1.40%

33 27.5 1.45 0 1.45 06 40.32 14 0 1 1 12:35 0.78 0.78 0.78 1.45 0.99 0.60%

34 28.25 1.21 0 1.21 06 41.95 12 0 1 1 12:38 0.65 0.65 0.65 1.21 0.78 0.50%

35 29.5 0 0 0 E

K299P

S/N: 00000F297B7
 Firmware Version: AQP-1V1.3.7
 File Version: V1.5
 Gage ID: 0000000000000000
 User ID: RLS
 Meter name: PAA11 s1d2
 Meter id: S00140
 Meter type: PAA11
 Meter standard: SAB
 Meter Revs/Pulses: 1-Jan
 Meter Const.S1: 2.2048
 Meter Const.O1: 0.0178
 Meter Const.C1: 0
 Meter Const.S2: 0
 Meter Const.C2: 0
 Meter Const.C1: 0
 Meter Const.S3: 0
 Meter Const.C3: 0

End Time: 11/1/2013 15:38
 Meas Time: NA

Section Diff: -2.56
 Beg Gage height: 0
 End Gage height: 0
 Beg Staff height: 0
 End Staff height: 0

Measure time: 40
 Measure standard: SAB
 Measure equipment: Susp.Cable
 Sounding Weight: C15 0.50
 Measure Ice: No
 Flood Measurement: No

Flood Conf: 0
 Max Vertical Q: 5%
 Percent Slope: 0
 Measure Start at: REW
 Vertical Count: 24
 Section Velocity: 2.31
 Section Width: 22.15
 Section Area: 53.08
 Section Q: 122.44
 Section Diff: -2.56
 Section Pot Err: -2.00%

Section Quality: na
 Section Wet Perim: 23.93
 Section Hyd Rad: 2.22
 Section Manning: 0
 Section Chezy: 0

VERT

All gate valves closed

B-1 45
 B-2 45
 B-3 32
 Plant Estimate 122

Estimated Q - 125 cfs
 Section Q - 122.44 cfs
 Snake river elevation 7/24/2013 5.4
 Snake river Normal Average 7

VERT	DIST	TDPTH	IDR	EDPTH	OBS	TIME	REV	HA	HC	VP	METH	CLOCK	MVEL	OVEL	VVEL	SSARBA	SSQ	SSPCT	FLAGS
1	4.85	0	0	0	0							14:30				0	0	0	0.00%
2	5.1	0.61	0	0.61	06	43.67	15	0	1	1	1	14:22	0.78	0.78	0.78	0.38	0.3	0.20%	
3	6.1	1.49	0	1.49	06	40.22	21	0	1	1	1	14:25	1.17	1.17	1.17	1.42	1.65	1.30%	
4	7	1.91	0	1.91	06	41.14	32	0	1	1	1	14:27	1.73	1.73	1.73	1.81	3.14	2.60%	
5	8	2.23	0	2.23	06	40.37	40	0	1	1	1	14:30	2.2	2.2	2.2	2.23	4.91	4.00%	
6	9	2.44	0	2.44	06	40.62	46	0	1	1	1	14:32	2.51	2.51	2.51	2.44	6.14	5.00%	
7	10	2.76	0	2.76	06	40.42	47	0	1	1	1	14:34	2.58	2.58	2.58	2.76	7.12	5.80%	
8	11	2.99	0	2.99	06	40.23	51	0	1	1	1	14:37	2.81	2.81	2.81	2.99	8.41	6.90%	
9	12	3.09	0	3.09	06	40.7	50	0	1	1	1	14:39	2.73	2.73	2.73	3.09	8.42	6.90%	
10	13	3.09	0	3.09	06	40.31	45	0	1	1	1	14:43	2.48	2.48	2.48	3.09	7.66	6.30%	
11	14	3.06	0	3.06	06	40.69	48	0	1	1	1	14:45	2.62	2.62	2.62	3.06	8.01	6.50%	
12	15	3.01	0	3.01	06	40.64	46	0	1	1	1	14:48	2.51	2.51	2.51	3.01	7.57	6.20%	
13	16	2.99	0	2.99	06	40.43	49	0	1	1	1	14:50	2.69	2.69	2.69	2.99	8.04	6.60%	
14	17	2.99	0	2.99	06	40.61	55	0	1	1	1	14:53	3	3	3	2.99	8.98	7.30%	
15	18	2.99	0	2.99	06	40.39	54	0	1	1	1	14:56	2.97	2.97	2.97	2.99	8.87	7.20%	
16	19	3	0	3	06	40.49	56	0	1	1	1	14:59	3.07	3.07	3.07	3	9.2	7.50%	
17	20	2.76	0	2.76	06	40.43	51	0	1	1	1	15:01	2.8	2.8	2.8	2.76	7.73	6.30%	
18	21	2.75	0	2.75	06	40.24	37	0	1	1	1	15:38	2.05	2.05	2.05	2.75	5.62	4.60%	
19	22	2.6	0	2.6	06	40.75	34	0	1	1	1	15:10	1.86	1.86	1.86	2.6	4.83	3.90%	
20	23	2.25	0	2.25	06	40.05	29	0	1	1	1	15:12	1.61	1.61	1.61	2.25	3.63	3.00%	
21	24	1.89	0	1.89	06	43.11	14	0	1	1	1	15:19	0.73	0.73	0.73	1.89	1.39	1.10%	
22	25	1.54	0	1.54	06	40.53	6	0	1	1	1	15:22	0.34	0.34	0.34	1.28	0.44	0.40%	
23	25.66	1.3	0	1.3	06	48.49	6	0	1	1	1	15:25	0.29	0.29	0.29	1.3	0.38	0.30%	
24	27	0	0	0	0							15:26				0	0	0.00%	