

RECEIVED

NOV 19 2012

DEPARTMENT OF
WATER RESOURCES

Water District #34
P.O. Box 53
Mackay, ID 83251

November 5, 2012

RE: Compliance with Water District #34 Water Distribution Rules /
Water Master's description of calculating the natural flow, demand and
delivery's of natural flow.

Attn: Nick Miller

Response to Questions

1) The accumulation of decreed water rights below the reservoir for 10-12-1884 was 141.753 CFS, which matched water available for decree deliveries.

2) Decree calls are changed when available water no longer fills a specific decree, either because the supply of water is in excess of needs for a specific decree, or an insufficient amount exists for that decree.

Decree calls are usually made on Monday & Thursday, although calls can be made as the need arises for a change. Calls are made by 11 am to give the Ditch Riders time to inform users of the decree change & to give the water user time to decide their response to the change, i.e. use storage water, well water or whatever.

The call takes effect by the next day, users are told of the change and the changes are made in the headings as soon as possible. The effect of the change is seen the next day.

3) The ditch riders informs the users of the decree change, the users decides whether he wants decree water or not and so informs their ditch rider. As a result the ditch rider informs the Water Master of whether his ditch is long or short and adjustments are made and recalculated by the ditch riders in the ditch riders log, which is on file in Water District #34 office.

Watermaster

From: "Miller, Nick" <Nick.Miller@idwr.idaho.gov>
To: <rt@atcnet.net>
Sent: Friday, November 02, 2012 3:51 PM
Subject: FW: Emailing: Water Master #34 Description of calculating the natural flow and
 Hi Roger,

Here's the email I sent yesterday as we discussed.

Nick Miller, P.E.
 Water Distribution Section
 Idaho Department of Water Resources
 322 E. Front St. Boise, ID 83720-0098
 208-287-4956 (Office)
 208-287-6700 (Fax)

From: Miller, Nick
Sent: Thursday, November 01, 2012 12:10 PM
To: 'waterdist34@atcnet.net'
Subject: RE: Emailing: Water Master #34 Description of calculating the natural flow and

Roger,

I have been going through your description of how you calculate the natural flow and determine the priority date. Thank you for sending that, it is a great first step in documenting the delivery process in your own words. As anticipated, I would like you to clarify a few things. My purpose is to get a clear picture of the process, warts and all, so we are all working from the same starting point.

With that in mind, could you respond to the following three questions?

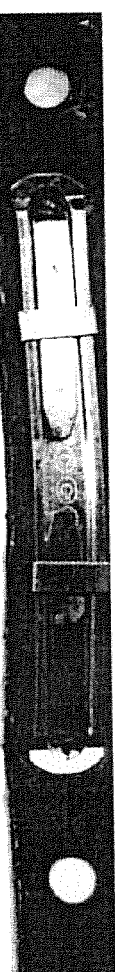
1. The outcome of your process is a determination of the available natural flow that can be used to fill decrees. For example, on 7/30/2012, you calculated 141.52 cfs, and equated that to a 10/12/1884 priority date. Could you describe how you determine that 141.52 cfs will fill the 10/12/1884 water rights? I seem to recall that Bob had a list he used that showed priority date in one column and cumulative cfs in the other column. Do you use that or a similar list? If so, could you send me a copy?
2. Could you elaborate a little more on when you make a decree call, and when it goes into effect? I think you make your calls on Mondays and Thursday, and the date you call goes into effect the following morning (Tuesdays and Fridays).
3. You state "Water users tell District 34 they want deliveries of their decree water, that water is put in each respective canal head. When priority changes users are informed and canal heads are adjusted accordingly." How do the users tell District 34 they want deliveries of their decree water? Do you keep a record of these calls? Also, are the canals adjusted every day, or only when the priority changes?

When I get these responses, I'll incorporate them into a description and make sure you are comfortable with the description, that it is accurate, and complete, and we'll be on our way.

Thanks.

Nick Miller, P.E.
 Water Distribution Section

11/3/2012



Priority Date	Division Rate	CES
18800601	.040	.000
18800601	.160	.200
18830601	1.600	1.800
18830601	.904	2.704
18830601	3.200	5.904
18830601	.600	6.504
18830601	1.600	8.104
18830630	1.730	9.834
18830630	.270	10.104
18830630	1.130	11.234
18830630	.430	11.664
18830610	1.500	13.164
18830610	.850	14.014
18830810	.425	14.439
18840401	1.000	15.439
18840422	.140	15.579
18840422	1.640	17.219
18840422	1.000	18.219
18840422	1.000	19.219
18840422	2.000	21.219
18840422	.340	21.559
18840422	1.200	22.759
18840422	.640	23.399
18840422	.500	23.899
18840422	.120	24.019
18840422	1.000	25.019
18840422	.080	25.099
18840422	4.000	29.099
18840422	1.120	30.219
18840422	.180	30.399
18840422	1.800	32.199
18840422	.020	32.219
18840422	.063	32.282
18840422	3.040	35.322
18840422	1.628	36.950
18840422	.960	37.910
18840422	1.440	39.350
18840422	1.000	40.350
18840422	.200	40.550
18840422	2.000	42.550
18840422	.100	42.650
18840422	1.000	43.650
18840422	1.640	45.290
18840422	.500	45.790
18840430	1.600	47.390
18840430	.800	48.190
18840430	.400	48.590
18840430	2.000	50.990
18840430	1.600	52.590
18840430	.800	53.390
18840520	.800	54.190

647

Surface Rights
below the
Recess.
Storage Rights
not included.
Dec. 7.12-93

07/12/93

14:10

01 208 327 7886

ID WATER RESOURS

400

18840520	2.300	56.490
18840520	2.556	59.046
18840520	.600	59.646
18840520	1.600	61.246
18840520	1.600	62.846
18840520	4.520	67.366
18840520	1.460	68.826
18840520	1.600	70.426
18840520	1.070	71.496
18840520	.500	71.996
18840520	3.200	75.196
18840520	.364	75.560
18840520	.420	75.980
18840520	.360	76.340
18840520	.200	76.540
18840520	1.704	78.244
18840520	1.200	79.444
18840520	1.040	80.484
18840531	1.000	81.484
18840531	.720	82.204
18840531	.480	82.684
18840531	1.000	83.684
18840601	.126	83.810
18840601	.368	84.178
18840601	1.280	85.458
18840601	.400	85.858
18840601	1.520	87.378
18840601	.171	87.549
18840601	.200	87.749
18840601	.368	88.117
18840601	.674	88.791
18840601	.800	89.591
18840601	.230	89.821
18840601	.800	90.621
18840601	.380	91.001
18840601	.734	91.735
18840601	.400	92.135
18840601	.600	92.735
18840601	.200	92.935
18840601	.800	93.735
18840601	.266	94.001
18840715	1.600	95.601
18840715	.020	95.621
18840715	.800	96.421
18840715	1.200	97.621
18840715	.800	98.421
18840715	1.200	99.621
18840715	.800	100.421
18840731	.800	101.221
18840731	.800	102.021
18840731	.800	102.821
18840731	1.600	104.421

000

10 WATER RESOURCES

18840831	.440	104.861
18840831	.500	105.361
18840831	.500	105.861
18840831	1.600	107.461
18840831	.800	108.261
18840831	1.600	109.861
18840831	.800	110.661
18840901	3.200	113.861
18840914	.400	114.261
18840914	.800	115.061
18840914	.400	115.461
18841012	.890	116.351
18841012	1.250	117.601
18841012	.892	118.493
18841012	1.090	119.583
18841012	1.800	121.383
18841012	.400	121.783
18841012	1.060	122.843
18841012	.500	123.343
18841012	1.200	124.543
18841012	4.320	128.863
18841012	.050	128.913
18841012	.220	129.133
18841012	.020	129.153
18841012	1.060	130.213
18841012	2.780	132.993
18841012	6.600	139.593
18841012	.160	139.753
18841012	.750	140.503
18841012	1.090	141.593
18841012	.160	141.753
18850218	2.000	143.753
18850218	1.100	144.853
18850218	.860	145.713
18850218	1.650	147.363
18850218	.790	148.153
18850501	.640	148.793
18850501	.200	148.993
18850501	.740	149.733
18850501	.050	149.783
18850501	.190	149.973
18850501	.400	150.373
18850501	.630	151.003
18850501	.026	151.029
18850501	1.000	152.029
18850501	1.000	153.029
18850501	2.000	155.029
18850501	1.800	156.829
18850501	.200	157.029
18850501	.500	157.529
18850512	.400	157.929
18850512	1.400	159.329

876
10

AD WATER RESOURCES

11

18850512	1.400	160.729
18850515	.860	161.589
18850515	2.340	163.929
18850530	.200	164.129
18850530	.120	164.269
18850530	2.000	166.249
18850530	.200	166.449
18850530	1.480	167.929
18850531	3.200	171.129
18850531	.044	171.173
18850531	1.556	172.729
18850531	3.200	175.929
18850601	.500	176.429
18850601	1.200	177.629
18850601	.600	178.229
18850601	1.600	179.829
18850601	.800	180.629
18850601	1.600	182.229
18850601	1.260	183.489
18850601	.040	183.529
18850601	1.160	184.689
18850601	.800	185.489
18850601	1.400	186.889
18850601	2.600	189.489
18850601	2.600	192.089
18850601	.800	192.889
18850601	.400	193.289
18850630	3.200	196.489
18851002	.160	196.649
18851002	.800	197.449
18851002	.300	197.749
18851002	.800	198.549
18851002	2.040	200.589
18851002	4.500	205.089
18851002	3.600	206.689
18851002	1.600	210.289
18851002	.500	210.789
18851002	3.200	213.989
18851002	1.540	215.529
18860501	2.800	218.329
18860501	.800	219.129
18860501	9.600	228.729
18860501	1.200	229.929
18860501	1.200	231.129
18860501	1.600	232.729
18860501	1.600	234.329
18860501	1.600	235.929
18860512	.575	236.504
18860512	.850	237.354
18860512	1.770	239.124
18860601	2.400	241.524
18860601	1.240	242.764

ID WATER RESOURCES

18860601	2.520	245.284
18860601	1.600	246.884
18860601	.680	247.564
18860601	1.600	249.164
18860601	.700	249.864
18860601	1.600	251.464
18860601	.100	251.564
18860601	1.600	253.164
18860601	1.600	254.764
18860630	.060	254.824
18860630	2.400	257.224
18860630	.860	258.084
18860717	.040	258.124
18860721	3.000	261.124
18860721	3.000	264.124
18860721	1.800	265.924
18860721	4.000	269.924
18860721	4.000	273.924
18860721	1.000	274.924
18860721	1.400	276.324
18860721	1.440	277.764
18860721	2.400	280.164
18860721	.800	280.964
18860901	.840	281.804
18860901	.160	281.964
18860901	.340	282.304
18860901	2.200	284.504
18860901	1.600	286.104
18860914	3.200	289.304
18860914	1.600	290.904
18860914	1.600	292.504
18860914	1.600	294.104
18870302	.800	294.904
18870302	1.600	296.504
18870302	3.200	299.704
18870302	.800	300.504
18870302	.650	301.154
18870313	.200	301.354
18870313	.700	302.054
18870313	.650	302.704
18870313	.800	303.504
18870313	1.700	305.204
18870501	3.200	308.404
18870501	1.400	309.804
18870601	.220	310.024
18870601	.500	310.524
18870601	2.300	312.824
18870601	1.400	314.124
18870601	1.900	316.124
18870601	3.200	319.324
18870601	1.200	320.524
18870601	1.600	322.124

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18870601	1.520	323.644
18870601	1.000	324.644
18870601	2.200	326.844
18870601	.920	327.764
18870601	.600	328.364
18870601	1.200	329.564
18870601	1.800	331.364
18870630	.800	332.164
18870630	.800	332.964
18870630	.800	333.764
18870630	.800	334.564
18870701	1.600	336.164
18870701	1.300	337.464
18870801	.800	338.264
18870801	1.200	339.464
18870801	1.000	340.464
18870801	.533	340.997
18870801	.266	341.263
18870831	.800	342.063
18870831	1.200	343.263
18870831	1.200	344.463
18871022	3.200	347.663
18880601	.806	348.469
18880601	.330	348.799
18880601	2.400	351.199
18880601	.800	351.999
18880601	.160	352.159
18880601	.500	352.659
18880601	1.600	354.259
18880601	.200	354.459
18880601	3.040	357.499
18880601	.620	358.119
18880601	.980	359.099
18880630	.300	359.399
18880630	1.600	360.999
18880630	1.200	362.199
18880801	.400	362.599
18880801	.460	363.059
18890410	2.200	365.259
18890422	2.120	367.379
18890510	2.400	369.779
18890531	1.440	371.219
18890601	.200	371.419
18890601	1.472	372.891
18890601	.544	373.435
18890601	.200	373.635
18890601	1.200	374.835
18890601	.800	375.635
18890601	.800	376.435
18890601	.800	377.235
18890601	1.600	378.835
18890601	2.000	380.835

18890601	2.700	383.535
18890601	1.200	384.735
18890601	.800	385.535
18890601	.400	385.935
18900601	6.400	392.335
18900601	-5.70	392.905
18900601	.590	393.495
18900601	.010	393.505
18900601	.180	393.685
18900601	.820	394.505
18910601	.800	395.305
18910630	2.650	397.955
18910630	.800	398.755
18910630	.600	399.355
18910630	.040	399.395
18910630	-.760	400.155
18910630	.520	400.675
18910630	.480	401.155
18910630	2.000	403.155
18910630	.800	403.955
18910630	.800	404.755
18920101	1.600	406.355
18920101	.800	407.155
18920101	1.600	408.755
18920501	.400	409.155
18920501	1.600	410.755
18920501	1.600	412.355
18930201	3.100	415.455
18930201	.600	416.055
18930201	.300	416.355
18930323	.100	416.655
18930323	1.500	418.255
18940310	.800	419.855
18940310	.800	420.655
18940310	.460	421.115
18940310	.950	422.065
18940310	1.800	423.865
18940310	.440	424.305
18940310	1.800	426.105
18940310	3.200	429.305
18940310	.400	429.705
18940310	6.080	435.785
18940310	2.560	438.345
18940310	2.800	441.145
18940310	1.490	442.635
18940310	1.600	444.235
18940310	4.800	449.035
18940521	1.600	450.635
18940531	.800	451.435
18940531	1.400	452.835
18940531	.740	453.575

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ID WATER RESOURS

01 208 327 7868

14:13

01/12/83

18940531	.060	453.635
18940601	3.200	456.835
18940601	.200	457.035
18940601	3.200	460.235
18940601	1.100	461.335
18940601	.220	461.555
18940601	1.900	463.455
18940601	.300	463.755
18940601	.600	464.355
18940601	.600	464.955
18940601	.300	465.255
18940601	.400	465.655
18940601	2.000	467.655
18940601	1.600	469.255
18940601	1.600	470.855
18940601	1.600	472.455
18940926	1.690	474.145
18940926	.380	474.525
18940926	.420	474.945
18950101	1.600	476.545
18950601	.800	477.345
18950601	.140	477.485
18950601	.200	477.685
18950601	.800	478.485
18950601	.800	479.285
18950601	.400	479.685
18950601	.400	480.085
18950601	.300	480.385
18950601	1.600	481.985
18950601	.600	482.585
18950601	.460	483.045
18950610	4.800	487.845
18950610	3.200	491.045
18950630	2.620	493.665
18950630	.380	494.045
18950901	.800	494.845
18960302	2.175	497.020
18960302	.800	497.820
18960327	1.600	499.420
18960601	.318	499.738
18960601	1.600	501.338
18960601	.060	501.398
18960601	1.600	502.998
18960601	3.140	506.138
18960601	.700	506.838
18960601	1.300	508.138
18960601	.060	508.198
18960601	.500	508.698
18960601	.030	508.728
18960601	.020	508.748
18960601	.800	509.548
18960601	.130	509.678

18960601	1.470	511.148
18960601	.080	511.228
18960601	.300	511.528
18960601	1.170	512.698
18960601	2.400	515.098
18960601	1.170	516.268
18960601	.400	516.668
18960601	.140	516.808
18960601	1.640	518.448
18960601	.200	518.648
18960601	.152	518.800
18960601	3.200	522.000
18960601	3.290	525.290
18960601	1.200	526.490
18960601	.725	527.215
18960601	1.570	528.785
18960601	.400	529.185
18960601	1.060	530.245
18960601	.080	530.325
18960601	.032	530.357
18960601	.400	530.757
18960601	.419	531.176
18960601	.070	531.246
18960601	1.600	532.846
18960601	2.400	535.246
18960601	1.680	536.926
18960601	.870	537.796
18960601	2.400	540.196
18960601	1.250	541.446
18960601	1.150	542.596
18960601	.300	542.896
18960630	1.000	543.896
18960630	1.200	545.096
18960601	1.320	546.416
18960801	2.000	548.416
18960801	.240	548.656
18960801	.060	548.716
18960801	1.140	549.856
18960801	.800	550.656
18960801	4.000	554.656
18960901	.320	554.976
18960901	.130	555.186
18960901	2.400	557.506
18960901	.070	557.576
18960901	.880	558.456
18960928	2.000	560.456
18960928	1.560	562.016
18960928	2.330	564.346
18960928	.066	564.412
18960928	1.000	565.412
18960928	4.400	569.812
18960928	.840	570.652

18970501	570.867	570.867
18970510	575.153	575.153
18970510	576.893	576.893
18970510	577.393	577.393
18970510	577.473	577.473
18970510	579.473	579.473
18970510	581.473	581.473
18970510	581.973	581.973
18970510	583.573	583.573
18970510	584.813	584.813
18970510	585.513	585.513
18970510	586.313	586.313
18970510	587.113	587.113
18970510	587.353	587.353
18970510	593.453	593.453
18970510	596.253	596.253
18970510	599.693	599.693
18970510	601.389	601.389
18970510	602.889	602.889
18970515	604.589	604.589
18970515	606.189	606.189
18970531	609.189	609.189
18970601	610.389	610.389
18970601	610.789	610.789
18970601	610.859	610.859
18970601	612.459	612.459
18970601	612.859	612.859
18970601	614.059	614.059
18970601	617.259	617.259
18970601	617.659	617.659
18970615	617.819	617.819
18970615	618.059	618.059
18970615	618.699	618.699
18970615	619.299	619.299
18970630	623.099	623.099
18980428	623.931	623.931
18980428	625.531	625.531
18980501	626.731	626.731
18980501	627.931	627.931
18980501	628.611	628.611
18980531	631.111	631.111
18980531	631.751	631.751
18980601	633.351	633.351
18980601	634.351	634.351
18980601	635.651	635.651
18980601	636.051	636.051
18980601	636.081	636.081
18980601	636.261	636.261
18980601	637.061	637.061
18980601	637.601	637.601

07/12/93

14:15

1 208 327 7868

ID WATER RESOURS

18980601	1.300	638.901
18980601	1.200	640.101
18980601	2.000	642.101
18980601	1.600	643.701
18980601	.400	644.101
18980801	.390	644.491
18980801	.076	644.567
18980801	.120	644.687
18980801	.030	644.717
18980901	1.000	645.717
18980901	.079	645.796
18980901	.121	645.917
18980901	1.600	647.517
18980901	1.600	649.117
18980901	.110	649.227
18980901	.060	649.287
18980901	.058	649.345
18980901	.103	649.448
18980901	1.080	650.528
18980901	.356	650.884
18990101	1.600	652.484
18990101	1.500	653.984
18990101	.100	654.084
18990327	.585	654.669
18990327	1.170	655.839
18990327	.460	656.299
18990327	.690	656.989
18990327	.600	657.589
18990501	1.200	658.789
18990501	.260	659.049
18990501	2.700	661.749
18990506	1.600	663.349
18990506	.200	663.549
18990506	1.600	665.149
18990506	1.400	666.549
18990509	2.800	669.349
18990518	.140	669.489
18990518	1.260	670.749
18990518	1.200	671.949
18990518	.150	672.099
18990518	.250	672.349
18990518	.400	672.749
18990520	.800	673.549
18990601	.800	674.349
18990601	.100	674.449
18990601	.040	674.489
18990601	.021	674.510
18990601	.021	674.531
18990601	.091	674.622
18990601	.022	674.644
18990601	.050	674.694
18990601	.080	674.774

WATER RESOURCES

18990601	1.084	675.858
18990601	.360	676.218
18990601	1.200	677.418
18990601	.800	678.218
18990601	.800	679.018
18990601	.556	679.574
18990801	.830	680.404
18990801	1.536	681.940
18990901	1.600	683.560
18990901	.668	684.208
18990901	.800	685.008
19000323	3.000	688.008
19000401	2.000	690.008
19000601	.900	690.908
19000601	1.720	692.628
19000601	.600	693.228
19000601	.680	693.908
19000924	1.300	695.208
19000924	1.100	696.308
19000924	1.000	697.308
19010501	.600	697.908
19010630	1.600	699.508
19010701	1.600	701.108
19010701	1.300	702.408
19010722	.260	702.668
19010722	.145	702.813
19010722	.013	702.826
19010722	.210	703.036
19010722	1.600	704.636
19010722	.145	704.781
19010722	.290	705.071
19010901	.200	705.271
19010901	1.300	706.571
19010901	.350	706.921
19010901	1.160	708.081
19010901	.500	708.581
19010901	.350	708.931
19010901	.260	709.191
19010901	.090	709.281
19010901	.150	709.431
19011001	.660	710.091
19011020	1.300	711.391
19011102	.019	711.410
19011102	1.320	712.730
19020115	.074	712.804
19020201	3.200	716.004
19020201	.200	716.204
19020301	.400	716.604
19020301	.800	717.404
19020301	.305	717.709
19020301	.210	717.919
19020301	.755	718.674

19020304	.600	719.274
19020501	2.700	721.974
19020501	.200	722.174
19020601	.920	723.094
19020601	.600	723.694
19020601	.660	724.354
19030601	.200	724.554
19030601	1.740	726.294
19040501	1.680	727.974
19040501	1.000	728.974
19040517	1.600	730.574
19040517	.140	730.714
19040526	1.600	732.314
19040526	1.600	733.914
19040601	.320	734.234
19040601	.600	734.834
19040601	1.000	735.834
19040601	2.110	737.944
19040601	.120	738.064
19040601	.090	738.154
19040601	1.160	739.314
19040630	2.400	741.714
19050501	2.400	744.114
19050501	.750	744.874
19050501	1.730	746.604
19050501	1.870	748.474
19050501	1.200	749.674
19060501	.800	750.474
19060501	2.600	753.074
19061001	.600	753.674
19070415	1.900	755.574
19080313	1.520	757.094
19081207	.500	757.594
19081207	.500	758.094
19090719	.400	758.494
19110227	.400	758.894
19110424	.800	759.694
19110517	.900	760.594
19120210	.400	760.994
19120415	2.510	763.494
19121111	.540	764.034
19130124	2.180	766.214
19130517	.800	767.014
19130623	1.400	768.814
19140501	1.100	770.214
19150503	.800	770.814
19200601	.800	771.614
19240806	.500	772.114
19260410	.800	772.914
19421028	1.100	774.314
19421028	2.800	776.614
19440508	2.580	778.994

19440508	.200	780.182
19440508	.990	781.172
19440508	1.160	782.332
19440508	3.952	786.284
19440508	4.168	790.452
19521128	1.200	791.652
19540821	1.200	792.852
19620817	.300	793.152
19740129	4.880	798.032
19740129	.140	798.172
19740402	1.460	799.632
19750312	2.920	802.552
19750515	.310	802.862
19750515	.310	803.172
19750515	4.680	807.852
19750515	8.070	815.922
19760415	4.400	820.322
19760505	16.000	836.322
19760614	7.000	843.322
19790104	2.180	845.502
0	.000	845.502
0	.000	845.502
0	.000	845.502

42,276.11

845.502

700