

AUGUST Final BUNTE 2012 TEMPORARY ISF LOAN ACCOUNTING

# DAYS USED FOR ISF	DATE	DWR GAGED FLOW WILLOW CR BELOW RESERVOIR (WILWCRCO)	BUNTE HIGHLINE DIVERSION ¹ (at 6 ft PMF) total incl Lyle Horn's water	LYLE HORN USE ² (5 cfs max)	RECHARGE WATER PER FLOW TABLE ³	ISF WATER PER FLOW TABLE ³	EST. AMT BYPASSED AT BUNTE HGT (WILWCRCO minus Bunte div)	BUNTE RECHARGE TURNOUT (1.5 ft PMF)	RECHARGE POND STAFF GAGE (inches)	ISF DECREED AMT 90CW300	USGS GAGED FLOW COLORADO NR GRANBY ⁴ (COLNGBCO)	ISF DECREED AMT 80CW447	USGS GAGED FLOW COLORADO @ WINDY GAP ⁵ (COLAWICO)	NCWCD GAGED FLOW COLORADO @ HOT SULPHUR ⁶ (COLSULCO)	ISF DECREED AMT 80CW446	NCWCD GAGED FLOW COLORADO NR PARSHALL ⁷ (COLPARCO)	ISF DECREED AMT 80CW448
		CFS	CFS	CFS	CFS	CFS	CFS	CFS		CFS	CFS	CFS	CFS	CFS	CFS	CFS	CFS
1	8/9/2012	11.3	6.5	?	2.68	1.82	4.8	3		40	28	90	112	110.5	135	429.8	150
2	8/10/2012	5.57	2.63	0	2.68	1.82	2.94	1.47		40	30	90	104	104.7	135	410.8	150
3	8/11/2012	5.5	2.63	0	2.68	1.82	2.87	1.47		40	31	90	105	104	135	410.1	150
4	8/12/2012	5.47	2.63	0	2.68	1.82	2.84	0		40	30	90	108	105.5	135	410.6	150
5	8/13/2012	5.47	2.63	0	2.68	1.82	2.84	0.94	15	40	30	90	104	103.9	135	384.4	150
6	8/14/2012	5.59	2.63	0	2.68	1.82	2.96	0	12	40	30	90	105	102	135	369.4	150
7	8/15/2012	5.74	2.63	0	2.68	1.82	3.11	0		40	30	90	104	104.3	135	368.6	150
8	8/16/2012	6.02	2.63	0	2.68	1.82	3.39	0		40	30	90	100	98.1	135	365	150
9	8/17/2012	6.08	2.63	0	2.68	1.82	3.45	0		40	30	90	96	92.2	135	361.5	150
10	8/18/2012	6.18	2.63	0	2.68	1.82	3.55	0.32		40	31	90	95	91.7	135	360.7	150
11	8/19/2012	6.38	2.63	0	2.68	1.82	3.75	0.32		40	30	90	91	88.1	135	358.7	150
12	8/20/2012	6.16	2.63	0	2.68	1.82	3.53	0.51		40	30	90	86	85.6	135	338.9	150
13	8/21/2012	6.01	2.63	0	2.68	1.82	3.38	0.51	18	40	28	90	86	86.6	135	317.8	150
14	8/22/2012	6.27	*2.46	0	2.68	1.82	*3.89	0.51	6	40	30	90	88	90	135	314.4	150
15	8/23/2012	6.1	2.46	0	2.68	1.82	3.64	0.1		40	28	90	98	96	135	320.7	150
16	8/24/2012	6.41	2.46	0	2.68	1.82	3.95	0.1		40	29	90	104	107	135	329.2	150
17	8/25/2012	6.41	2.63	0	2.68	1.82	3.78	0		40	31	90	102	104.4	135	327.6	150
18	8/26/2012	6.41	2.63	0	2.68	1.82	3.78	0.94		40	35	90	94	96.8	135	317.9	150
19	8/27/2012	6.4	2.63	0	2.68	1.82	3.77	0		40	32	90	92	94.1	135	336.2	150
20	8/28/2012	8.59	7.69	**4.52	2.68	1.82	**1.39	0.38		40	30	90	89	90	135	362.2	150
21	8/29/2012	11.2	7.69	5	2.68	1.82	3.57	0.1		40	29	90	91	93.5	135	365.9	150
22	8/30/2012	11.8	7.69	5	2.68	1.82	9.17	0		40	30	90	93	95.3	135	370.6	150
23	8/31/2012	11.8	7.69	5	2.68	1.82	9.17	0		40	29	90	98	98.4	135	369.7	150

SEPTEMBER Final BUNTE 2012 TEMPORARY ISF LOAN ACCOUNTING

# DAYS USED FOR ISF	DATE	WILLOW CR BELOW RESERVOIR GAGED FLOW (WILWCRCO)	BUNTE HIGHLINE DIVERSION ¹ <i>(at 6 ft PMF) total incl Lyle Horn's water</i>	LYLE HORN USE ² <i>(5 cfs max)</i>	RECHARGE WATER PER FLOW TABLE ³	ISF WATER PER FLOW TABLE ³	EST. AMT BYPASSED AT BUNTE HGT <i>(WILWCRCO minus Bunte div)</i>	BUNTE RECHARGE TURNOUT <i>(1.5 ft PMF)</i>	RECHARGE POND STAFF GAGE <i>(inches)</i>	ISF DECREED AMT 90CW300	USGS GAGED FLOW COLORADO NR GRANBY ⁴ (COLNGBCO)	ISF DECREED AMT 80CW447	USGS GAGED FLOW COLORADO @ WINDY GAP ⁵ (COLAWICO)	NCWCD GAGED FLOW COLORADO @ HOT SULPHUR ⁶ (COLSULCO)	ISF DECREED AMT 80CW446	NCWCD GAGED FLOW COLORADO NR PARSHALL ⁷ (COLPARCO)	ISF DECREED AMT 80CW448
		CFS	CFS	CFS	CFS	CFS	CFS	CFS		CFS	CFS	CFS	CFS	CFS	CFS	CFS	CFS
24	9/1/2012	11.3	6.02	5	1.08	0.82	5.28	0	0	20	31	90	95	99.8	135	368.3	150
25	9/2/2012	10.3	6.02	5	1.08	0.82	4.28	0	0	20	30	90	84	91.5	135	361.4	150
26	9/3/2012	10.3	6.02	5	1.08	0.82	4.28	0	0	20	33	90	80	88.1	135	357	150
27	9/4/2012	10.3	6.02	5	1.08	0.82	4.28	0	0	20	30	90	80	89.6	135	357.2	150
28	9/5/2012	10.4	*1.04	beaver	1.08	0.82	9.36	0	0	20	26	90	76	83.7	135	352.4	150
29	9/6/2012	10.6	0	beaver	1.08	0.82	10.6	0	0	20	28	90	75	85.1	135	349.8	150
30	9/7/2012	10.3	6.02		1.08	0.82	4.28	0	0	20	28	90	77	86.7	135	350.9	150
31	9/8/2012	10.3	6.02		1.08	0.82	4.28	0	0	20	28	90	77	85	135	349.8	150
32	9/9/2012	10.3	6.02		1.08	0.82	4.28	0	0	20	30	90	75	85.1	135	347.9	150
33	9/10/2012	10.3	6.02		1.08	0.82	4.28	0	0	20	29	90	74	81.4	135	348.5	150
34	9/11/2012	10.3	6.02		1.08	0.82	4.28	0	0	20	29	90	74	83	135	348.5	150
35	9/12/2012	10.2	6.02		1.08	0.82	4.18	0	0	20	29	90	84	91.1	135	354.1	150
36	9/13/2012	10.3	6.02		1.08	0.82	4.28	0	0	20	25	90	89	98.4	135	361.2	150
37	9/14/2012	10.3	6.02		1.08	0.82	4.28	0	0	20	23	90	73	88	135	341.5	150
38	9/15/2012	10	6.02		1.08	0.82	3.98	0	0	20	23	90	63	76.8	135	321	150
39	9/16/2012	10.2	6.02		1.08	0.82	4.28	0	0	20	24	90	61	75	135	315.1	150
40	9/17/2012	10.1	6.02		1.08	0.82	4.18	0	0	20	23	90	66	77.9	135	314.4	150
41	9/18/2012	10	6.02		1.08	0.82	3.98	0	0	20	23	90	66	80.1	135	316.3	150
42	9/19/2012	9.91	6.02		1.08	0.82	3.89	0	0	20	22	90	64	82	135	260.6	150
43	9/20/2012	9.9	6.02		1.08	0.82	3.88	0	0	20	21	90	60	91.4	135	211.6	150
44	9/21/2012	9.9	6.02		1.08	0.82	3.88	0	0	20	20	90	57	95.3	135	209	150
45	9/22/2012	9.88	6.02		1.08	0.82	3.86	0	0	20	22	90	58	101	135	214.8	150
46	9/23/2012	9.87	6.02		1.08	0.82	3.85	0	0	20	22	90	61	101.3	135	212.3	150
47	9/24/2012	9.45	6.02		1.08	0.82	3.43	0	0	20	22	90	58	101.2	135	213.8	150
48	9/25/2012	9.09	*6.02		1.08	0.82	*4.12	0	0	20	22	90	54	114.6	135	213.4	150
49	9/26/2012	9.81	6.02		1.08	0.82	3.79	0	0	20	22	90	71	105.9	135	221.4	150
50	9/27/2012	9.87	6.02		1.08	0.82	3.85	0	0	20	21	90	94	108.6	135	246.7	150
51	9/28/2012	9.87	6.02		1.08	0.82	3.85	0	0	20	21	90	94	110.8	135	266.5	150
52	9/29/2012	9.87	6.02		1.08	0.82	3.85	0	0	20	21	90	90	107.2	135	277.6	150
53	9/30/2012	9.87	6.02		1.08	0.82	3.85	0	0	20	21	90	85	103.8	135	274.2	150

OCTOBER Final BUNTE 2012 TEMPORARY ISF LOAN ACCOUNTING																	
# DAYS USED FOR ISF	DATE	WILLOW CR BELOW RESERVOIR GAGED FLOW (WILWCRCO)	BUNTE HIGHLINE DIVERSION ¹ <i>(at 6 ft PMF) total incl Lyle Horn's water</i>	LYLE HORN USE ² <i>(5 cfs max)</i>	RECHARGE WATER PER FLOW TABLE ³	ISF WATER PER FLOW TABLE ³	EST. AMT BYPASSED AT BUNTE HGT <i>(WILWCRCO minus Bunte div)</i>	BUNTE RECHARGE TURNOUT <i>(1.5 ft PMF)</i>	RECHARGE POND STAFF GAGE <i>(inches)</i>	ISF DECREEED AMT 90CW300	NCWCD GAGED FLOW COLORADO NR GRANBY ⁴ <i>(YMCA Gage)</i>	ISF DECREEED AMT 80CW447	USGS GAGED FLOW COLORADO @ WINDY GAP ⁵ <i>(COLAWICO)</i>	NCWCD GAGED FLOW COLORADO @ HOT SULPHUR ⁶ <i>(COLSULCO)</i>	ISF DECREEED AMT 80CW446	NCWCD GAGED FLOW COLORADO NR PARSHALL ⁷ <i>(COLPARCO)</i>	ISF DECREEED AMT 80CW448
		CFS	CFS	CFS	CFS	CFS	CFS	CFS		CFS	CFS	CFS	CFS	CFS	CFS	CFS	CFS
54	10/1/2012	9.87	6.96	5	1.28	0.82	2.91	0	0	20	22.7	90	74	100.5	135	256.5	150
55	10/2/2012	9.64	6.96	5	1.28	0.82	2.68	0	0	20	21.5	90	71	96.1	135	233.6	150
56	10/3/2012	9.49	6.96	5	1.28	0.82	2.53	0	0	20	22.5	90	71	94.8	135	232.7	150
57	10/4/2012	9.74	6.96	5	1.28	0.82	2.78	0	0	20	22.6	90	71	95.9	135	234.2	150
58	10/5/2012	9.86	6.96	5	1.28	0.82	2.9	0	0	20	22.3	90	68	94.8	135	218.2	150
59	10/6/2012	9.87	6.96	5	1.28	0.82	2.91	0	0	20	22.2	90	68	94.9	135	206.3	150
60	10/7/2012	9.87	6.96	5	1.28	0.82	2.91	0	0	20	22.1	90	68	97.2	135	204.2	150
61	10/8/2012	9.87	6.96	5	1.28	0.82	2.91	0	0	20	22.1	90	66	94.7	135	185.2	150
62	10/9/2012	9.87	6.96	5	1.28	0.82	2.91	0	0	20	22.3	90	67	98	135	166.6	150
63	10/10/2012	9.86	6.96	5	1.28	0.82	2.9	0	0	20	22	90	69	101.6	135	170.6	150
64	10/11/2012	9.87	6.96	5	1.28	0.82	2.91	0	0	20	22	90	68	105.1	135	171.2	150
65	10/12/2012	9.87	6.96	5	1.28	0.82	2.91	0	0	20	22.3	90	69	103.7	135	189.7	150
66	10/13/2012	9.87	6.96	5	1.28	0.82	2.91	0	0	20	22.2	90	85	112.8	135	223.5	150
67	10/14/2012	9.87	6.96	5	1.28	0.82	2.91	0	0	20	21.2	90	93	121.8	135	231.7	150
68	10/15/2012	9.87	6.96	5	1.28	0.82	2.91	0	0	20	21.2	90	89	116	135	237.9	150
69	10/16/2012	9.9	6.96	5	1.28	0.82	2.94	0	0	20	21.2	90	84	Seasonal	135	Seasonal	150
70	10/17/2012	10.1	6.96	5	1.28	0.82	3.14	0	0	20	21.2	90	87	GAGE OFF	135	GAGE OFF	150
71	10/18/2012	10	6.96	5	1.28	0.82	3.04	0	0	20	21.9	90	89	GAGE OFF	135	GAGE OFF	150
72	10/19/2012	10.3	6.96	5	1.28	0.82	3.34	0	0	20	21.9	90	85	GAGE OFF	135	GAGE OFF	150
73	10/20/2012	10.3	6.96	5	1.28	0.82	3.34	0	0	20	21.7	90	83	GAGE OFF	135	GAGE OFF	150
74	10/21/2012	9.87	6.96	5	1.28	0.82	2.91	0	0	20	21.6	90	83	GAGE OFF	135	GAGE OFF	150
75	10/22/2012	9.94	6.96	5	1.28	0.82	2.98	0	0	20	Seasonal	90	82	GAGE OFF	135	GAGE OFF	150
76	10/23/2012	9.87	6.96	5	1.28	0.82	2.91	0	0	20	GAGE OFF	90	83	GAGE OFF	135	GAGE OFF	150
77	10/24/2012	9.87	6.96	5	1.28	0.82	2.91	0	0	20	GAGE OFF	90	81	GAGE OFF	135	GAGE OFF	150
78	10/25/2012	10.3	*6.72	5	1.28	0.82	*6.3	0	0	20	GAGE OFF	90	83	GAGE OFF	135	GAGE OFF	150
79	10/26/2012	10.7	0	0	1.28	0.82	Est 10.7	0	0	20	GAGE OFF	90	92	GAGE OFF	135	GAGE OFF	150
80	10/27/2012	LEASE ENDED		OFF	1.28	0.82	OFF	OFF									
81	10/28/2012				1.28	0.82											
82	10/29/2012				1.28	0.82											
83	10/30/2012				1.28	0.82											
84	10/31/2012				1.28	0.82											

* Denotes actual field measurement
** Inflow to Willow Creek Reservoir was estimated to be less than the minimum amount required to fully satisfy both the ISF use and Lyle Horn's irrigation use, therefore, the shortage was shared by both water users.

1 - Bunte Highline diversion records obtained from Lyle Horn, on-site water manager. Diversions were measured at the six foot Parshall flume located down-ditch from the headgate. Diversion records reflect all water carried in the ditch.

2 - Lyle Horn owns 5 cfs of Bunte Highline Ditch Priorities 168, 459 and 491. Information in this column is provided for computational purposes only and does not represent the official diversion record for Mr. Horn's water rights.

3 - The maximum amount of water to be allocated for INSTREAM FLOW and RECHARGE is identified in the table included on page 5 of the Division of Water Resources approval letter dated July 26, 2012 (the "Flow Table").

4 - Streamflow information in this column represents provisional, real-time reported streamflow , and was used to identify instream flow shortfalls . The USGS continually adjusts provisional data to correct for changes in stream channel geometry, therefore currently reported streamflows at this station may not be consistent with previously recorded provisional records. The USGS gage, Colorado River near Granby was used for determining real-time streamflow in the Colorado River upstream from Willow Creek. The USGS gage is seasonal, so no records were available for October. October streamflows were determined by referencing the YMCA gage operated by NCWCD at the same location. That gage was also discontinued in late October due to weather conditions.

5 - Streamflow information in this column represents provisional, real-time reported streamflow , and was used to identify instream flow shortfalls . The USGS continually adjusts provisional data to correct for changes in stream channel geometry, therefore currently reported streamflows at this station may not be consistent with previously recorded provisional records.

6 - Streamflow information in this column represents provisional, real-time reported streamflow , and was used to identify instream flow shortfalls . The USGS continually adjusts provisional data to correct for changes in stream channel geometry, therefore currently reported streamflows at this station may not be consistent with previously recorded provisional records. This USGS gage is seasonal, and no records are available for late October.

7 - Streamflow information in this column represents provisional, real-time reported streamflow , and was used to identify instream flow shortfalls . The USGS continually adjusts provisional data to correct for changes in stream channel geometry, therefore currently reported streamflows at this station may not be consistent with previously recorded provisional records. This USGS gage is seasonal, and no records are available for late October.



