



BISHOP-BROGDEN ASSOCIATES, INC.

Christopher J. Sanchez
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May 23, 2016

Linda Bassi
Colorado Water Conservation Board
1313 Sherman Street #721
Denver, CO 80203

Dear Linda:

We are sending you a summary of Keystone's 2015-2016 snowmaking diversions shown in the attached tables. The first table is a summary of the snowmaking diversions showing the average daily pumping rates in cfs with monthly and season totals below in acre-feet. The following four tables are the monthly accounting tables for the months when snowmaking diversions occurred (October through January). These monthly accounting tables summarize the daily amounts pumped from the Montezuma Shaft and delivered to the Snake River, the daily Keystone diversions and consumptive use, Montezuma Shaft water returned to Dillon Reservoir, and the lowest daily streamflow below Keystone's snowmaking pumps. Overall, Keystone diverted approximately 603 ac-ft of water out of the Snake River between the period from October 26 to January 27, with the majority of water diverted during the months of November and December.

Keystone closely monitored water levels from the Snake River SNAKEYCO gage in conjunction with available flows discharged from the Montezuma Shaft and diversions for snowmaking during the 2015-2016 season, as shown in the attached accounting tables. The provisional minimum daily streamflows recorded at the SNAKEYCO gage are shown in Column 22 of the accounting tables. As shown in the accounting tables, the streamflow never dropped below 6 cfs when Keystone was diverting snowmaking water. Keystone remained in close contact with the Water Commissioner throughout the snowmaking season to ensure minimum streamflows were not violated.

In some previous years, a small amount of water had been pumped from the Snake River in March to provide domestic water for the Summit House; however, water from the Snake River was not required in March of this year.

Linda Bassi
May 23, 2016
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As in previous years, Keystone has or will stock 667 pounds of fish during the week prior to the each of the following holidays: Memorial Day, Fourth of July, and Labor Day.

Please give us a call if you have any questions.

Very truly yours,

BISHOP-BROGDEN ASSOCIATES, INC.



Jennifer S. Lindahl, P.E.
Senior Water Resources Engineer

JSL/jeb

Enclosures

cc: Jeff Zimmerman
Todd Green
Devin Edwards

0405.10

Keystone Ski Area
Snowmaking Diversion Summary (2015-2016)
Average Daily Pumping Rate
(values in cfs unless otherwise indicated)

Day	Sep	Oct	Nov	Dec	Jan	Feb	Mar
1	0	0	2.00	4.70	3.10	0	0
2	0	0	1.31	6.46	2.72	0	0
3	0	0	1.75	4.43	2.27	0	0
4	0	0	2.04	3.60	2.12	0	0
5	0	0	4.30	5.40	2.23	0	0
6	0	0.11	5.19	4.35	1.66	0	0
7	0	0	3.59	3.13	2.08	0	0
8	0	0.17	2.47	3.25	2.54	0	0
9	0	0	3.65	3.39	2.73	0	0
10	0	0	2.98	3.72	1.83	0	0
11	0	0	5.21	4.81	1.76	0	0
12	0	0.57	4.84	4.88	1.29	0	0
13	0	0.34	3.28	4.20	1.20	0	0
14	0	0.05	4.10	2.54	1.03	0	0
15	0	0.06	4.05	5.17	1.06	0	0
16	0	0.25	4.31	4.99	1.07	0	0
17	0	0.23	5.86	4.56	0.93	0	0
18	0	0	5.45	4.13	0.94	0	0
19	0	0	4.01	3.28	0.92	0	0
20	0	0.31	4.21	4.31	0.31	0	0
21	0	0.46	5.59	4.84	0	0	0
22	0	0.52	4.52	3.00	0	0	0
23	0	1.00	3.67	4.07	0	0	0
24	0	1.63	3.76	2.84	0	0	0
25	0	1.34	3.76	3.31	0	0	0
26	0	1.57	5.31	3.71	0	0	0
27	0	3.29	5.51	3.41	0.16	0	0
28	0	3.00	5.88	3.08	0	0	0
29	0	1.10	5.97	3.53	0		0
30	0	3.61	5.79	3.62	0		0
31		2.84		2.57	0		0
Monthly Total (ac-ft)	0	44.74	247.75	243.12	67.80	0	0
Season Total (ac-ft)	603.41						

KEYSTONE SKI AREA
CLINTON DITCH AND RESERVOIR COMPANY
ACCOUNTING SYSTEM
970 945 1137

MONTH: **October**
YEAR: **2015**

(1)	(1a)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(1b)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	
DATE	TIME OF SHAFT READINGS	Water From Montezuma Shaft of Roberts Tunnel to Snake River							Snake River Diversions										SHAFT WATER RETURNED TO DILLON (AC-FT)	LOWEST DAILY STREAMFLOW (CFS)	TIME OF LOW FLOW IF LESS THAN 6CFS	DURATION OF LESS THAN 6CFS FLOW	NOTES	
		PUMP 1		PUMP 2		PUMP 1 + 2			TIME OF SNMKG READING	NO METER (GAL)x1000	SM (X)	WATER PUMPED			SUMMIT HOUSE		SNMKG DIRECT USE (AC-FT)	TOTAL CU						
		METER (GALx1000)	Volume	METER (GALx1000)	Volume	(GAL x1000)	(CFS)	(AC-FT)				(GAL x1000)	(CFS)	(AC-FT)	Direct Use (AC-FT)	To Recharge (GALx1000)		(CFS)						(AC-FT)
10/1/2015			0	170,219	0	0	0	0		0	X	0	0	0			0	0	0	0	20.6			
10/2/2015			0	170,219	0	0	0	0		0	X	0	0	0			0	0	0	0	19.8			
10/3/2015			0	170,219	0	0	0	0		0	X	0	0	0			0	0	0	0	19.8			
10/4/2015			0	170,219	0	0	0	0		0	X	0	0	0			0	0	0	0	21.4			
10/5/2015			0	170,219	0	0	0	0		0	X	0	0	0			0	0	0	0	21.4			
10/6/2015			0	170,219	-1	-1	-0.00	-0.00		0	X	116	0.11	0.36			0	0	0	0	9.53			
10/7/2015		0	0	170,218	0	0	0	0	16:00	116	X	0	0	0			0	0	0	0	19.8			
10/8/2015		0	0	170,218	0	0	0	0	7:45	116	X	111	0.17	0.34			0	0	0	0	18.3			
10/9/2015		0	0	170,218	0	0	0	0	7:30	227	X	0	0	0			0	0	0	0	19.1			
10/10/2015		0	0	170,218	0	0	0	0		227	X	0	0	0			0	0	0	0	18.3			
10/11/2015		0	0	170,218	0	0	0	0		227	X	0	0	0			0	0	0	0	17.6			
10/12/2015		0	0	170,218	0	0	0	0	6:31	227	X	368	0.57	1.13			0	0	0	0	14.8			
10/13/2015		0	0	170,218	0	0	0	0	6:22	595	X	221	0.34	0.68			0	0	0	0	15.5			
10/14/2015		0	0	170,218	0	0	0	0	6:20	816	X	34	0.05	0.10			0	0	0	0	15.5			
10/15/2015		0	0	170,218	0	0	0	0	6:31	850	X	44	0.06	0.14			0	0	0	0	15.5			
10/16/2015		0	0	170,218	0	0	0	0	7:42	894	X	159	0.25	0.49			0	0	0	0	14.3			
10/17/2015		0	0	170,218	0	0	0	0	7:30	1,053	X	148	0.23	0.45			0	0	0	0	14.3			
10/18/2015		0	0	170,218	0	0	0	0	7:19	1,201	X	0	0	0			0	0	0	0	16.2			
10/19/2015		0	0	170,218	0	0	0	0	7:12	1,201	X	0	0	0			0	0	0	0	16.9			
10/20/2015		0	0	170,218	0	0	0	0	7:28	1,201		194	0.31	0.60			0.60	0.06	0.12	0	14.8			
10/21/2015		0	0	170,218	0	0	0	0	6:23	1,395		297	0.46	0.91			0.91	0.09	0.18	0	16.2			
10/22/2015		0	0	170,218	0	0	0	0	6:28	1,692		337	0.52	1.03			1.03	0.10	0.21	0	18.3			
10/23/2015		0	0	170,218	0	0	0	0	6:20	2,029		656	1.00	2.01			2.01	0.20	0.40	0	19.1			
10/24/2015		0	0	170,218	0	0	0	0	6:48	2,685		1,084	1.63	3.33			3.33	0.33	0.67	0	16.9			
10/25/2015		0	0	170,218	0	0	0	0	7:26	3,769		826	1.34	2.53			2.53	0.27	0.51	0	10.9			
10/26/2015	23:00	0	0	170,218	262	262	0.41	0.80	6:20	4,595		1,020	1.57	3.13			3.13	0.31	0.63	0	16.2			
10/27/2015	23:00	0	21	170,480	70	91	0.14	0.28	6:23	5,615		2,132	3.29	6.54			6.54	0.66	1.31	0	14.8			
10/28/2015	23:00	21	77	170,550	950	1,027	1.59	3.15	6:28	7,747		1,931	3.00	5.93			5.93	0.60	1.19	0	9.53			
10/29/2015	23:00	98	117	171,500	1,411	1,528	2.36	4.69	6:23	9,678		715	1.10	2.19			2.19	0.22	0.44	2.50	12.1			
10/30/2015	23:00	215	1,151	172,911	2,450	3,601	5.57	11.05	6:27	10,393		2,340	3.61	7.18			7.18	0.72	1.44	3.87	17.6			
10/31/2015	23:00	1,366	0	175,361	382	382	0.59	1.17	6:32	12,733		1,844	2.84	5.66			5.66	0.57	1.13	0	17.6			
Total	-	-	1,366	-	5,524	6,890	-	21.14	-	-	-	14,577	-	44.74	0	0	41.05	-	8.21	6.36	-	-	-	
YTD Total	-	-	1,366	-	5,524	6,890	-	21.14	-	-	-	14,577	-	44.74	0	0	41.05	-	8.21	6.36	-	-	-	

Notes: Enter the time of day the meter readings were taken in 24:00 format in columns (1a) and (1b) for the Montezuma Shaft deliveries and snowmaking pumping diversions, respectively.
Enter "Total" Meter Reading data in columns (2), (4), and (11), not flow rate.
Enter an "X" in column 12 if Snake River diversions are for pipe testing purposes or are being used at the Summit House only and not for snowmaking.
Enter Summit House data in columns (16) & (17).
Enter the lowest daily flow in the Snake River in column (22) and the time it occurred in column (23) (time only given if diversions occurred on that day and the minimum flow was less than 6 cfs).
Column (24) gives the length of time that the Snake River streamflow was below 6 cfs.
No data entry is required for the white columns (1), (3), (5), (6), (7), (8), (9), (10), (13), (14), (15), (18), (19), (20), and (21). These columns are calculated automatically.
Keystone's total consumptive use, shown in columns (19) and (20), is calculated as 10 percent of the Summit House direct use, column (16), and 20 percent of the snowmaking direct use, column (18).
Montezuma Shaft water returned to Dillon Reservoir, shown in column (21), is calculated as the total pumping from the Shaft, column (8), minus Keystone's total Snake River diversions, column (15), if the result is positive.
The decreed limit for Keystone's snowmaking diversions is 1,151 ac-ft. If A-Basin does not use their allotted 349 ac-ft portion of diversions, then Keystone may use the unused portion for a total of up to 1,500 ac-ft.
The decreed rate limit for Keystone's snowmaking diversions is 9.4 cfs (~4,200 gpm), or up to 11.9 cfs (~5,300 gpm) using A-Basin's portion.
The limit for Montezuma Shaft pumping is 1,500 ac-ft per year. The rate is limited by the pumps, which currently can pump up to 10.6 cfs.

KEYSTONE SKI AREA
CLINTON DITCH AND RESERVOIR COMPANY
ACCOUNTING SYSTEM
970 945 1137

MONTH: November
YEAR: 2015

(1)	(1a)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(1b)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)
DATE	TIME OF SHAFT READINGS	Water From Montezuma Shaft of Roberts Tunnel to Snake River							Snake River Diversions										SHAFT WATER RETURNED TO DILLON (AC-FT)	LOWEST DAILY STREAMFLOW (CFS)	TIME OF LOW FLOW IF LESS THAN 6CFS	DURATION OF LESS THAN 6CFS FLOW	NOTES
		PUMP 1		PUMP 2		PUMP 1 + 2		TIME OF SNMKG READING	NO METER (GAL)x1000	SM (X)	WATER PUMPED		SUMMIT HOUSE		SNMKG DIRECT USE (AC-FT)	TOTAL CU							
		METER (GALx1000)	Volume	METER (GALx1000)	Volume	(GAL x1000)	(CFS)				(AC-FT)	(GAL x1000)	(CFS)	(AC-FT)		Direct Use (AC-FT)	To Recharge (GALx1000)	(CFS)					
11/1/2015	23:00	1,366	0	175,743	1,429	1,429	2.21	4.39	6:39	14,577	1,326	2.00	4.07		4.07	0.40	0.81	0.32	17.6				
11/2/2015	23:00	1,366	206	177,172	258	464	0.72	1.42	7:15	15,903	807	1.31	2.48		2.48	0.26	0.50	0	17.6				
11/3/2015	23:00	1,572	2,053	177,430	2,393	4,446	6.88	13.64	6:10	16,710	1,142	1.75	3.50		3.50	0.35	0.70	10.14	15.5				
11/4/2015	23:00	3,625	2,805	179,823	3,133	5,938	9.19	18.22	6:22	17,852	1,319	2.04	4.05		4.05	0.41	0.81	14.18	12.1				
11/5/2015	23:00	6,430	2,837	182,956	2,988	5,825	9.01	17.88	6:25	19,171	2,813	4.30	8.63		8.63	0.86	1.73	9.24	16.2				
11/6/2015	23:00	9,267	2,134	185,944	2,137	4,271	6.61	13.11	6:42	21,984	3,466	5.19	10.64		10.64	1.04	2.13	2.47	10.9				
11/7/2015	23:00	11,401	1,063	188,081	1,532	2,595	4.02	7.96	7:29	25,450	2,283	3.59	7.01		7.01	0.72	1.40	0.96	6.56				
11/8/2015	23:00	12,464	2,060	189,613	2,099	4,159	6.43	12.76	7:06	27,733	1,557	2.47	4.78		4.78	0.49	0.96	7.99	12.6				
11/9/2015	23:00	14,524	2,565	191,712	2,424	4,989	7.72	15.31	6:30	29,290	2,348	3.65	7.21		7.21	0.73	1.44	8.10	10.2				
11/10/2015	23:00	17,089	2,699	194,136	2,568	5,267	8.15	16.16	6:23	31,638	1,908	2.98	5.86		5.86	0.60	1.17	10.31	16.2				
11/11/2015	23:00	19,788	2,473	196,704	2,333	4,806	7.44	14.75	6:10	33,546	3,384	5.21	10.39		10.39	1.04	2.08	4.36	16.2				
11/12/2015	23:00	22,261	2,236	199,037	1,911	4,147	6.42	12.73	6:18	36,930	3,177	4.84	9.75		9.75	0.97	1.95	2.98	8.91				
11/13/2015	23:00	24,497	2,430	200,948	2,078	4,508	6.97	13.83	6:40	40,107	2,153	3.28	6.61		6.61	0.66	1.32	7.23	8.91				
11/14/2015	23:00	26,927	2,587	203,026	2,124	4,711	7.29	14.46	7:01	42,260	2,698	4.10	8.28		8.28	0.82	1.66	6.18	11.3				
11/15/2015	23:00	29,514	2,944	205,150	1,429	4,373	6.77	13.42	7:27	44,958	2,522	4.05	7.74		7.74	0.81	1.55	5.68	15.5				
11/16/2015	23:00	32,458	3,504	206,579	18	3,522	5.45	10.81	6:36	47,480	2,778	4.31	8.53		8.53	0.86	1.71	2.28	18.3				
11/17/2015	23:00	35,962	3,586	206,597	3	3,589	5.55	11.01	6:32	50,258	3,794	5.86	11.64		11.64	1.17	2.33	0	15.5				
11/18/2015	23:00	39,548	3,317	206,600	0	3,317	5.13	10.18	6:34	54,052	3,490	5.45	10.71		10.71	1.09	2.14	0	14.3				
11/19/2015	23:00	42,865	3,381	206,600	206	3,587	5.55	11.01	6:22	57,542	2,596	4.01	7.97		7.97	0.80	1.59	3.04	14.8				
11/20/2015	23:00	46,246	2,720	206,806	2,046	4,766	7.37	14.63	6:23	60,138	2,792	4.21	8.57		8.57	0.84	1.71	6.06	11.7				
11/21/2015	23:00	48,966	2,186	208,852	2,065	4,251	6.58	13.05	7:01	62,930	3,694	5.59	11.34		11.34	1.12	2.27	1.71	13.0*				
11/22/2015	23:00	51,152	2,517	210,917	2,227	4,744	7.34	14.56	7:34	66,624	2,778	4.52	8.53		8.53	0.90	1.71	6.03	14.3*				
11/23/2015	23:00	53,669	2,482	213,144	2,489	4,971	7.69	15.26	6:24	69,402	2,461	3.67	7.55		7.55	0.73	1.51	7.70	15.6*				
11/24/2015	23:00	56,151	2,301	215,633	2,165	4,466	6.91	13.71	7:18	71,863	2,333	3.76	7.16		7.16	0.75	1.43	6.55	16.9				
11/25/2015	23:00	58,452	2,741	217,798	2,586	5,327	8.24	16.35	6:22	74,196	2,444	3.76	7.50		7.50	0.75	1.50	8.85	13.9				
11/26/2015	23:00	61,193	2,475	220,384	2,337	4,812	7.45	14.77	6:32	76,640	3,446	5.31	10.58		10.58	1.06	2.12	4.19	16.2				
11/27/2015	23:00	63,668	2,597	222,721	2,447	5,044	7.80	15.48	6:38	80,086	3,678	5.51	11.29		11.29	1.10	2.26	4.19	15.5				
11/28/2015	23:00	66,265	2,213	225,168	2,092	4,305	6.66	13.21	7:25	83,764	3,759	5.88	11.54		11.54	1.18	2.31	1.68	15.5				
11/29/2015	23:00	68,478	693	227,260	655	1,348	7.15	4.14	7:10	87,523	3,907	5.97	11.99		11.99	1.19	2.40	0	15.5				
11/30/2015	6:00	69,171	1,684	227,915	1,590	3,274	5.07	10.05	7:27	91,430	3,878	5.79	11.90		11.90	1.16	2.38	0	14.8				
Total	-	-	69,489	-	53,762	123,251	-	378.24	-	-	-	-	247.75	0	0	247.75	-	49.55	142.41	-	-	-	
YTD Total	-	-	70,855	-	59,286	130,141	-	399.39	-	-	-	-	292.49	0	0	288.80	-	57.76	148.77	-	-	-	

Notes: Enter the time of day the meter readings were taken in 24:00 format in columns (1a) and (1b) for the Montezuma Shaft deliveries and snowmaking pumping diversions, respectively.

Enter "Total" Meter Reading data in columns (2), (4), and (11), not flow rate.

Enter an "X" in column 12 if Snake River diversions are being used at the Summit House only and not for snowmaking.

Enter Summit House data in columns (16) & (17).

Enter the lowest daily flow in the Snake River in column (22) and the time it occurred in column (23) (time only given if diversions occurred on that day and the minimum flow was less than 6 cfs).

Column (24) gives the length of time that the Snake River streamflow was below 6 cfs.

No data entry is required for the white columns (1), (3), (5), (6), (7), (8), (9), (10), (13), (14), (15), (18), (19), (20), and (21). These columns are calculated automatically.

Keystone's total consumptive use, shown in columns (19) and (20), is calculated as 10 percent of the Summit House direct use, column (16), and 20 percent of the snowmaking direct use, column (18).

Montezuma Shaft water returned to Dillon Reservoir, shown in column (21), is calculated as the total pumping from the Shaft, column (8), minus Keystone's total Snake River diversions, column (15), if the result is positive.

The decreed limit for Keystone's snowmaking diversions is 1,151 ac-ft. If A-Basin does not use their allotted 349 ac-ft portion of diversions, then Keystone may use the unused portion for a total of up to 1,500 ac-ft.

The decreed rate limit for Keystone's snowmaking diversions is 9.4 cfs (~4,200 gpm), or up to 11.9 cfs (~5,300 gpm) using A-Basin's portion.

The limit for Montezuma Shaft pumping is 1,500 ac-ft per year. The rate is limited by the pumps, which currently can pump up to 10.6 cfs.

KEYSTONE SKI AREA
CLINTON DITCH AND RESERVOIR COMPANY
ACCOUNTING SYSTEM
970 945 1137

MONTH: December
YEAR: 2015

(1)	(1a)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(1b)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	
DATE	TIME OF SHAFT READINGS	Water From Montezuma Shaft of Roberts Tunnel to Snake River							Snake River Diversions										SHAFT WATER RETURNED TO DILLON (AC-FT)	LOWEST DAILY STREAMFLOW (CFS)	TIME OF LOW FLOW IF LESS THAN 6CFS	DURATION OF LESS THAN 6CFS FLOW	NOTES	
		PUMP 1		PUMP 2		PUMP 1 + 2			TIME OF SNMKG READING	NO METER (GAL)x1000	SM (X)	WATER PUMPED		SUMMIT HOUSE		SNMKG DIRECT USE (AC-FT)	TOTAL CU							
		METER (GALx1000)	Volume	METER (GALx1000)	Volume	(GAL x1000)	(CFS)	(AC-FT)				(GAL x1000)	(CFS)	(AC-FT)	Direct Use (AC-FT)		To Recharge (GALx1000)	(CFS)						(AC-FT)
12/1/2015	6:00	70,855	2,590	229,505	2,440	5,030	7.78	15.44	8:20	95,308		2,982	4.70	9.15			9.15	0.94	1.83	6.29	8.6			
12/2/2015	6:00	73,445	2,595	231,945	2,450	5,045	7.81	15.48	7:55	98,290		3,884	6.46	11.92			11.92	1.29	2.38	3.56	8.6			
12/3/2015	6:00	76,040	2,595	234,395	2,450	5,045	7.81	15.48	6:14	102,174		2,913	4.43	8.94			8.94	0.89	1.79	6.54	14.8			
12/4/2015	6:00	78,635	2,525	236,845	2,330	4,855	7.51	14.90	6:38	105,087		2,387	3.60	7.33			7.33	0.72	1.47	7.57	12.6			
12/5/2015	6:00	81,160	2,525	239,175	2,320	4,845	7.50	14.87	7:15	107,474		3,517	5.40	10.79			10.79	1.08	2.16	4.08	13.9			
12/6/2015	6:00	83,685	2,590	241,495	2,450	5,040	7.80	15.47	7:26	110,991		2,681	4.35	8.23			8.23	0.87	1.65	7.24	6.56			
12/7/2015	6:00	86,275	2,175	243,945	2,050	4,225	6.54	12.97	6:20	113,672		2,027	3.13	6.22			6.22	0.63	1.24	6.75	13.9			
12/8/2015	6:00	88,450	2,585	245,995	2,450	5,035	7.79	15.45	6:25	115,699		2,106	3.25	6.46			6.46	0.65	1.29	8.99	16.2			
12/9/2015	6:00	91,035	2,530	248,445	2,320	4,850	7.50	14.88	6:27	117,805		2,196	3.39	6.74			6.74	0.68	1.35	8.14	12.6			
12/10/2015	6:00	93,565	2,510	250,765	2,310	4,820	7.46	14.79	6:31	120,001		2,480	3.72	7.61			7.61	0.74	1.52	7.18	11.3			
12/11/2015	6:00	96,075	2,515	253,075	2,300	4,815	7.45	14.78	7:15	122,481		3,097	4.81	9.50			9.50	0.96	1.90	5.27	11.7			
12/12/2015	6:00	98,590	2,515	255,375	2,300	4,815	7.45	14.78	7:10	125,578		3,191	4.88	9.79			9.79	0.98	1.96	4.98	18.3			
12/13/2015	6:00	101,105	2,510	257,675	2,300	4,810	7.44	14.76	7:27	128,769		2,627	4.20	8.06			8.06	0.84	1.61	6.70	18.3			
12/14/2015	6:00	103,615	2,510	259,975	2,300	4,810	7.44	14.76	6:40	131,396		1,713	2.54	5.26			5.26	0.51	1.05	9.50	16.9			
12/15/2015	6:00	106,125	2,555	262,275	2,370	4,925	7.62	15.11	7:45	133,109		3,269	5.17	10.03			10.03	1.03	2.01	5.08	19.8			
12/16/2015	6:00	108,680	2,590	264,645	2,450	5,040	7.80	15.47	7:15	136,378		3,146	4.99	9.65			9.65	1.00	1.93	5.81	16.2			
12/17/2015	6:00	111,270	2,590	267,095	2,440	5,030	7.78	15.44	6:41	139,524		2,930	4.56	8.99			8.99	0.91	1.80	6.44	14.3			
12/18/2015	6:00	113,860	800	269,535	2,895	3,695	5.72	11.34	6:34	142,454		2,655	4.13	8.15			8.15	0.83	1.63	3.19	13.9			
12/19/2015	6:00	114,660	0	272,430	3,275	3,275	5.07	10.05	6:28	145,109		2,223	3.28	6.82			6.82	0.66	1.36	3.23	13			
12/20/2015	6:00	114,660	820	275,705	1,385	2,205	3.41	6.77	7:36	147,332		2,658	4.31	8.16			8.16	0.86	1.63	0	11.3			
12/21/2015	6:00	115,480	1,570	277,090	2,685	4,255	6.58	13.06	6:31	149,990		3,028	4.84	9.29			9.29	0.97	1.86	3.77	10.5			
12/22/2015	6:00	117,050	2,570	279,775	1,120	3,690	5.71	11.32	5:44	153,018		1,982	3.00	6.08			6.08	0.60	1.22	5.24	16.9			
12/23/2015	6:00	119,620	2,570	280,895	2,295	4,865	7.53	14.93	6:14	155,000		2,747	4.07	8.43			8.43	0.81	1.69	6.50	16.2			
12/24/2015	6:00	122,190	460	283,190	3,270	3,730	5.77	11.45	7:16	157,747		1,788	2.84	5.49			5.49	0.57	1.10	5.96	12.1			
12/25/2015	6:00	122,650	0	286,460	3,095	3,095	4.79	9.50	6:38	159,535		2,231	3.31	6.85			6.85	0.66	1.37	2.65	17.6			
12/26/2015	6:00	122,650	1,045	289,555	2,830	3,875	6.00	11.89	7:40	161,766		2,402	3.71	7.37			7.37	0.74	1.47	4.52	10.9			
12/27/2015	6:00	123,695	3,010	292,385	125	3,135	4.85	9.62	7:41	164,168		2,096	3.41	6.43			6.43	0.68	1.29	3.19	11.3			
12/28/2015	6:00	126,705	3,140	292,510	0	3,140	4.86	9.64	6:31	166,264		1,993	3.08	6.12			6.12	0.62	1.22	3.52	14.3			
12/29/2015	6:00	129,845	3,220	292,510	0	3,220	4.98	9.88	6:34	168,257		2,275	3.53	6.98			6.98	0.71	1.40	2.90	13.9			
12/30/2015	6:00	133,065	3,350	292,510	0	3,350	5.18	10.28	6:28	170,532		2,327	3.62	7.14			7.14	0.72	1.43	3.14	14.3			
12/31/2015	6:00	136,415	2,850	292,510	0	2,850	4.41	8.75	6:21	172,859		1,670	2.57	5.13			5.13	0.51	1.03	3.62	13.4			
Total	-	-	68,410	-	63,005	131,415	-	403.30	-	-	-	79,221	-	243.12	0	0	243.12	-	48.62	161.57	-	-	-	
YTD Total	-	-	139,265	-	122,291	261,556	-	802.68	-	-	-	174,529	-	535.61	0	0	531.92	-	106.38	310.34	-	-	-	

Notes: Enter the time of day the meter readings were taken in 24:00 format in columns (1a) and (1b) for the Montezuma Shaft deliveries and snowmaking pumping diversions, respectively.
Enter "Total" Meter Reading data in columns (2), (4), and (11), not flow rate.
Enter an "X" in column 12 if Snake River diversions are being used at the Summit House only and not for snowmaking.
Enter Summit House data in columns (16) & (17).
Enter the lowest daily flow in the Snake River in column (22) and the time it occurred in column (23) (time only given if diversions occurred on that day and the minimum flow was less than 6 cfs).
Column (24) gives the length of time that the Snake River streamflow was below 6 cfs.
No data entry is required for the white columns (1), (3), (5), (6), (7), (8), (9), (10), (13), (14), (15), (18), (19), (20), and (21). These columns are calculated automatically.
Keystone's total consumptive use, shown in columns (19) and (20), is calculated as 10 percent of the Summit House direct use, column (16), and 20 percent of the snowmaking direct use, column (18).
Montezuma Shaft water returned to Dillon Reservoir, shown in column (21), is calculated as the total pumping from the Shaft, column (8), minus Keystone's total Snake River diversions, column (15), if the result is positive.
The decreed limit for Keystone's snowmaking diversions is 1,151 ac-ft. If A-Basin does not use their allotted 349 ac-ft portion of diversions, then Keystone may use the unused portion for a total of up to 1,500 ac-ft.
The decreed rate limit for Keystone's snowmaking diversions is 9.4 cfs (~4,200 gpm), or up to 11.9 cfs (~5,300 gpm) using A-Basin's portion.
The limit for Montezuma Shaft pumping is 1,500 ac-ft per year. The rate is limited by the pumps, which currently can pump up to 10.6 cfs.

KEYSTONE SKI AREA
CLINTON DITCH AND RESERVOIR COMPANY
ACCOUNTING SYSTEM
970 945 1137

MONTH: January
YEAR: 2016

(1)	(1a)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(1b)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)
DATE	Water From Montezuma Shaft of Roberts Tunnel to Snake River								Snake River Diversions								SHAFT WATER RETURNED TO DILLON (AC-FT)	LOWEST DAILY STREAMFLOW (CFS)	TIME OF LOW FLOW IF LESS THAN 6CFS	DURATION OF LESS THAN 6CFS FLOW	NOTES		
	TIME OF SHAFT READINGS	PUMP 1		PUMP 2		PUMP 1 + 2		TIME OF SNMKG READING	NO METER (GAL)x1000	SM (X)	WATER PUMPED			SUMMIT HOUSE		SNMKG DIRECT USE (AC-FT)						TOTAL CU	
		METER (GALx1000)	Volume	METER (GALx1000)	Volume	(GAL x1000)	(CFS)				(AC-FT)	(GAL x1000)	(CFS)	(AC-FT)	Direct Use (AC-FT)							To Recharge (GALx1000)	(CFS)
1/1/2016	6:00	139,265	3,180	292,510	0	3,180	4.92	9.76	6:31	174,529		2,058	3.10	6.32			6.32	0.62	1.26	3.44	12.1	No stream data No stream data	
1/2/2016	6:00	142,445	2,740	292,510	0	2,740	4.24	8.41	7:10	176,587		1,800	2.72	5.52			5.52	0.54	1.10	2.88	14.3		
1/3/2016	6:00	145,185	2,715	292,510	0	2,715	4.20	8.33	7:45	178,387		1,437	2.27	4.41			4.41	0.45	0.88	3.92	17.6		
1/4/2016	6:00	147,900	2,665	292,510	0	2,665	4.12	8.18	7:14	179,824		1,328	2.12	4.08			4.08	0.42	0.82	4.10	16.9		
1/5/2016	6:00	150,565	2,600	292,510	0	2,600	4.02	7.98	6:31	181,152		1,447	2.23	4.44			4.44	0.45	0.89	3.54	18.3		
1/6/2016	6:00	153,165	2,605	292,510	0	2,605	4.03	7.99	6:34	182,599		1,072	1.66	3.29			3.29	0.33	0.66	4.70	17.3*		
1/7/2016	6:00	155,770	2,600	292,510	0	2,600	4.02	7.98	6:29	183,671		1,329	2.08	4.08			4.08	0.42	0.82	3.90	17.3*		
1/8/2016	6:00	158,370	2,710	292,510	0	2,710	4.19	8.32	6:14	185,000		1,737	2.54	5.33			5.33	0.51	1.07	2.99	16.2		
1/9/2016	6:00	161,080	2,490	292,510	0	2,490	3.85	7.64	7:35	186,737		1,852	2.73	5.68			5.68	0.55	1.14	1.96	16.2		
1/10/2016	6:00	163,570	2,595	292,510	0	2,595	4.02	7.96	8:45	188,589		1,055	1.83	3.24			3.24	0.37	0.65	4.73	10.2		
1/11/2016	6:00	166,165	2,595	292,510	0	2,595	4.02	7.96	6:10	189,644		1,153	1.76	3.54			3.54	0.35	0.71	4.43	12.6		
1/12/2016	6:00	168,760	2,595	292,510	0	2,595	4.02	7.96	6:28	190,797		898	1.29	2.76			2.76	0.26	0.55	5.21	12.1		
1/13/2016	6:00	171,355	2,590	292,510	0	2,590	4.01	7.95	8:15	191,695		723	1.20	2.22			2.22	0.24	0.44	5.73	17.6		
1/14/2016	6:00	173,945	2,590	292,510	0	2,590	4.01	7.95	6:34	192,418		683	1.03	2.10			2.10	0.21	0.42	5.85	14.8		
1/15/2016	6:00	176,535	2,595	292,510	0	2,595	4.02	7.96	7:08	193,101		675	1.06	2.07			2.07	0.21	0.41	5.89	19.8		
1/16/2016	6:00	179,130	2,560	292,510	0	2,560	3.96	7.86	6:50	193,776		714	1.07	2.19			2.19	0.21	0.44	5.67	18.3		
1/17/2016	6:00	181,690	2,590	292,510	0	2,590	4.01	7.95	7:30	194,490		598	0.93	1.84			1.84	0.19	0.37	6.11	19.1		
1/18/2016	6:00	184,280	1,390	292,510	0	1,390	2.15	4.27	7:30	195,088		584	0.94	1.79			1.79	0.19	0.36	2.47	16.2		
1/19/2016	6:00	185,670	0	292,510	0	0	0	0	6:31	195,672		611	0.92	1.88			1.88	0.18	0.38	0	10.9		
1/20/2016		185,670	0	292,510	0	0	0	0	7:18	196,283		201	0.31	0.62			0.62	0.06	0.12	0	10.5		
1/21/2016		185,670	0	292,510	0	0	0	0	7:21	196,484		0	0	0			0	0	0	0	13.9		
1/22/2016		185,670	0	292,510	0	0	0	0		196,484		0	0	0			0	0	0	0	13.4		
1/23/2016		185,670	0	292,510	0	0	0	0		196,484		0	0	0			0	0	0	0	13.4		
1/24/2016		185,670	0	292,510	0	0	0	0		196,484		0	0	0			0	0	0	0	13.0		
1/25/2016		185,670	0	292,510	0	0	0	0		196,484		0	0	0			0	0	0	0	14.8		
1/26/2016		185,670	0	292,510	0	0	0	0		196,484		0	0	0			0	0	0	0	13.0		
1/27/2016		185,670	0	292,510	0	0	0	0		196,484		137	0.16	0.42			0.42	0.03	0.08	0	14.3		
1/28/2016		185,670	0	292,510	0	0	0	0	7:32	196,621		0	0	0			0	0	0	0			
1/29/2016		185,670	0	292,510	0	0	0	0		196,621		0	0	0			0	0	0	0			
1/30/2016		185,670	0	292,510	0	0	0	0		196,621		0	0	0			0	0	0	0			
1/31/2016		185,670	0	292,510	0	0	0	0		196,621		0	0	0			0	0	0	0			
Total	-	-	46,405	-	0	46,405	-	142.41	-	-	-	22,092	-	67.80	0	0	67.80	-	13.56	77.53	-	-	-
YTD Total	-	-	185,670	-	122,291	307,961	-	945.10	-	-	-	196,621	-	603.41	0	0	599.72	-	119.94	387.87	-	-	-

Notes:

Enter the time of day the meter readings were taken in 24:00 format in columns (1a) and (1b) for the Montezuma Shaft deliveries and snowmaking pumping diversions, respectively.

Enter "Total" Meter Reading data in columns (2), (4), and (11), not flow rate.

Enter an "X" in column 12 if Snake River diversions are being used at the Summit House only and not for snowmaking.

Enter Summit House data in columns (16) & (17).

Enter the lowest daily flow in the Snake River in column (22) and the time it occurred in column (23) (time only given if diversions occurred on that day and the minimum flow was less than 6 cfs).

*The Snake River gage was not working properly from January 6 through 7, 2016. The minimum flow was estimated to be the average of the January 5 and 8 minimum flows

Column (24) gives the length of time that the Snake River streamflow was below 6 cfs.

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The limit for Montezuma Shaft pumping is 1,500 ac-ft per year. The rate is limited by the pumps, which currently can pump up to 10.6 cfs.