

AGENCY REPORT

To Be Included in the Notes of the Water Forum

Date of Water Forum Meeting – January 10, 2017

Agency: Bureau of Reclamation, Wyoming Area Office

Name of Representative: Art Hill. Phone: 307-261-5633

The following is a listing of reservoir conditions on December 31, 2016:

1. Water Supply Conditions of the North Platte River Basin.

	<u>Elev. (Ft)</u>	<u>Content (AF)</u>	<u>% Full Conservation Storage</u>	<u>% Avg.</u>
Seminole	6343.03	763,232	75	140
Pathfinder	5844.75	903,190	84	171
Alcova	5488.49	157,147	85	101
Glendo	4611.77	265,611	54	103
Guernsey	4370.00	0	NA	NA

December 31, 2015 Water Supply Conditions

<u>Reservoir</u>	<u>Elev. (Ft)</u>	<u>Content (AF)</u>	<u>30 Year Average (AF) (1987-2016)</u>
Seminole	6341.48	738,563	546,700
Pathfinder	5840.48	819,200	527,000
Alcova	5488.59	157,373	155,500
Glendo	4608.60	241,138	258,600
Guernsey	4404.47	15,243	10,600

December Inflows

<u>Reservoir</u>	<u>Inflows (KAF)</u>	<u>% of Average</u>
Seminole	25.9	101
Pathfinder (Sweetwater)	5.5	131
Alcova to Glendo Gains	6.4	93
Glendo to Guernsey Gains	1.8	120

Kendrick ownership was about 1,109,969 acre-feet (AF) on December 31, 2016, and approximately 130% of average (851,900 AF), which compares to the ownership of 1,094,679 AF last year. The December 31, 2016, North Platte ownership was about 770,638 AF, which was approximately 157% of average (491,000 AF), which compares to 691,140 AF of North Platte ownership last year. The Glendo ownership was about 161,542 AF on December 31, 2016, which was approximately 128% of average (125,800 AF), which compares to the 150,521 AF of Glendo ownership last year.

Flows in the Miracle Mile below Kortez Dam are approximately 530 cubic feet per second (cfs). Releases from Gray Reef Reservoir are approximately 500 cfs. The level of Alcova Reservoir is currently at the winter operating range of 5488 ± one foot.

2. Water Supply Conditions of the Big Horn Basin

December 31, 2016 Water Supply Conditions

<u>Reservoir</u>	<u>Elev. (Ft)</u>	<u>Content (AF)</u>	<u>% Full</u> <u>Conservation Storage</u>	<u>% Avg.</u>
Bull Lake	5761.95	40,566	27	52
Boysen	4719.79	644,653	87	113
Buffalo Bill	5371.09	475,863	74	111
Pilot Butte	5455.04	29,385	76	104

December 31, 2015 Water Supply Conditions

<u>Reservoir</u>	<u>Elev. (Ft)</u>	<u>Content (AF)</u>	<u>30 Year Average (AF) (1987-2016)</u>
Bull Lake	5775.88	71,226	77,800
Boysen	4717.25	601,455	568,400
Buffalo Bill	5363.76	424,743	428,600*
Pilot Butte	5452.94	27,630	28,300

* The average used for Buffalo Bill Reservoir reflects data from 1993 through 2016. In 1992, the capacity of the reservoir was increased to approximately 646,565 AF as a result of raising the dam. A long term average cannot be calculated until several years of operation occur under the increased storage.

December Inflows

<u>Reservoir</u>	<u>Inflow (KAF)</u>	<u>% of Average</u>
Bull Lake	4.8	200
Boysen	40.1	108
Buffalo Bill	18.3	117

The release from Buffalo Bill Reservoir to the river plus the springs is approximately 260 cfs as measured at the Cody river gage. The release from Boysen Dam is approximately 925 cfs.

BIGHORN WATER SUPPLY FORECAST

(1000 acre-feet)

Forecast Points	January 1, 2017 Forecast of April-July Runoff ³			30 Yr. April-July Runoff Avg. ²	Expected % of Avg.	Comparative Actual April - July Runoff			
	Reasonable Minimum¹	Expected	Reasonable Maximum¹			W. Yr. 2016	W. Yr. 2015	W. Yr. 2014	W. Yr. 2013
	Bull Lake Reservoir	120	160			180	136.0	118	145
Wind River above Bull Lake Creek	380	480	580	398.1	121	323	529	580	283
Boysen Reservoir	530	730	930	540.0	135	753	750	695	216
Buffalo Bill Reservoir	580	780	980	677.2	115	592	696	1062	577

¹ The probability is estimated to be 9 chances in 10 that the actual volume will fall between the reasonable minimum and reasonable maximum

² Average is based on the 1987-2016 period.

³ Actual inflows are as follows: