

AGENCY REPORT

To Be Included in the Notes of the Water Forum

Date of Water Forum Meeting – March 14, 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 February 28, 2017:

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	6342.50	754,719	74	150
Pathfinder	5846.55	940,327	88	167
Alcova	5488.55	157,283	85	101
Glendo	4621.59	350,356	71	103
Guernsey	4370.00	0	NA	NA

February 28, 2016 Water Supply Conditions

<u>Reservoir</u>	<u>Elev. (Ft)</u>	<u>Content (AF)</u>	<u>30 Year Average (AF) (1987-2016)</u>
Seminole	6338.83	697,963	504,300
Pathfinder	5842.87	865,494	562,500
Alcova	5488.32	156,764	156,676
Glendo	4618.35	320,833	341,467
Guernsey	4408.31	21,311	15,200

February Inflows

<u>Reservoir</u>	<u>Inflows (KAF)</u>	<u>% of Average</u>
Seminole	44.2	169
Pathfinder (w/Sweetwater)	10.8	159
Alcova to Glendo Gains	17.0	143
Glendo to Guernsey Gains	2.0	154

Kendrick ownership was about 1,108,287 acre-feet (AF) on February 28, 2017, and approximately 130% of average (850,800 AF), which compares to the ownership of 1,091,600 AF last year. The February 28, 2017, North Platte ownership was about 849,809 AF, which was approximately 149% of average (571,100 AF), which compares to 786,400 AF of North Platte ownership last year. The Glendo ownership was about 161,200 AF on February 28, 2017, which is approximately 127% of average (127,100 AF), which compares to the 149,900 AF of Glendo ownership last year.

Flows in the Miracle Mile below Kortez Dam are approximately 1,200 cubic feet per second (cfs). Releases from Gray Reef Reservoir are approximately 500 cfs. Alcova Reservoir forebay is within the winter operating range (5488 ± one foot).

NORTH PLATTE WATER SUPPLY FORECAST

(1000 acre-feet)

Forecast Points	March 1, 2017 Forecast of April-July Runoff			30 Yr. April-July Runoff Avg. ²	Expected % of Avg.	Comparative Actual April - July Runoff			
	Reasonable Maximum ¹	Expected	Reasonable Minimum ¹			W. Yr. 2016	W. Yr. 2015	W. Yr. 2014	W. Yr. 2013
Seminole Reservoir	1175	975	775	684	143	1030	654	1079	328
Sweetwater River Above Pathfinder Reservoir	180	160	120	50	320	69	41	42	10
Alcova to Glendo	180	130	80	134	97	301	196	238	50

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.

2. Water Supply Conditions of the Big Horn Basin

February 28, 2017 Water Supply Conditions

<u>Reservoir</u>	<u>Elev. (Ft)</u>	<u>Content (AF)</u>	<u>% Full Conservation Storage</u>	<u>% Avg.</u>
Bull Lake	5764.98	46,750	31	60
Boysen	4720.67	660,295	85	120
Buffalo Bill	5372.11	483,249	74	114
Pilot Butte	5455.01	29,360	87	103

February 28, 2016 Water Supply Conditions

<u>Reservoir</u>	<u>Elev. (Ft)</u>	<u>Content (AF)</u>	<u>30 Year Average (AF) (1987-2016)</u>
Bull Lake	5775.92	71,107	77,800
Boysen	4716.28	581,139	551,800
Buffalo Bill	5364.25	427,936	422,400*
Pilot Butte	5452.73	27,457	28,600

* 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.

February Inflows

<u>Reservoir</u>	<u>Inflow (KAF)</u>	<u>% of Average</u>
Bull Lake	5.0	310
Boysen	79.9	219
Buffalo Bill	22.1	173

The release from Buffalo Bill Reservoir to the river plus the springs is approximately 1,800 cfs as measured at the Cody river gage. The release from Boysen Dam is approximately 2,000 cfs.

BIGHORN WATER SUPPLY FORECAST

(1000 acre-feet)

Forecast Points	March 1, 2017 Forecast of April-July Runoff			30 Yr. April-July Avg ²	Expected % of Avg 2017	Comparative Actual April - July Runoff			
	Reasonable Minimum ¹	Most Probable	Reasonable Maximum ¹			W. Yr 2016	W. Yr 2015	W. Yr. 2014	W. Yr. 2013
	Bull Lake Reservoir	190	220	240	136.0	162	145	138	148
Wind River above Bull Lake Creek	550	650	750	398.1	163	323	529	580	283
Boysen Reservoir	900	1100	1300	540.0	204	753	750	695	216
Buffalo Bill Reservoir	900	1100	1300	677.2	162	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.