

AGENCY REPORT

To Be Included in the Notes of the Water Forum

Date of Water Forum Meeting – February 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 January 31, 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	6342.66	757,281	74	144
Pathfinder	5845.20	912,380	85	168
Alcova	5488.54	157,260	85	101
Glendo	4616.82	307,428	62	102
Guernsey	4370.00	0	NA	NA

January 31, 2016 Water Supply Conditions

<u>Reservoir</u>	<u>Elev. (Ft)</u>	<u>Content (AF)</u>	<u>30 Year Average (AF) (1987-2016)</u>
Seminole	6339.69	710,935	525,100
Pathfinder	5841.48	847,458	542,600
Alcova	5488.28	156,673	155,600
Glendo	4613.78	281,825	300,800
Guernsey	4406.46	18,247	12,900

January Inflows

<u>Reservoir</u>	<u>Inflows (KAF)</u>	<u>% of Average</u>
Seminole	27.4	109
Pathfinder (Sweetwater)	8.3	138
Alcova to Glendo Gains	12.4	123
Glendo to Guernsey Gains	2.1	160

Kendrick ownership was about 1,109,189 acre-feet (AF) on January 31, 2017, and approximately 130% of average (850,800 AF), which compares to the ownership of 1,092,400 AF last year. The January 31, 2017, North Platte ownership was about 816,396 AF, which was approximately 154% of average (530,100 AF), which compares to 736,200 AF of North Platte ownership last year. The Glendo ownership was about 161,375 AF on January 31, 2017, which was approximately 128% of average (125,800 AF), which compares to the 150,400 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.

NORTH PLATTE ESTIMATED APRIL-JULY RUNOFF

The February 1, 2015, water supply forecast indicates above average April - July runoff for Seminole Reservoir and Sweetwater River. The forecast for the North Platte River system is shown in the two tables below.

(1000 acre-feet)

Forecast Points	February 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	1100	900	700	684	132	1030	654	1079	328
Sweetwater River Above Pathfinder Reservoir	110	90	70	50	180	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

January 31, 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	5763.29	43,270	29	56
Boysen	4718.99	630,728	85	113
Buffalo Bill	5371.86	481,420	74	113
Pilot Butte	5455.02	29,368	76	103

January 31, 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	71,321	77,900
Boysen	4716.28	585,743	557,000
Buffalo Bill	5364.04	426,588	426,500*
Pilot Butte	5452.85	27,556	28,400

* 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.

January Inflows

<u>Reservoir</u>	<u>Inflow (KAF)</u>	<u>% of Average</u>
Bull Lake	4.4	212
Boysen	42.4	117
Buffalo Bill	17.9	122

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

Forecast Points	February 1, 2017 Forecast of April-July Runoff ³			30 Yr. April-July Runoff Avg. ²	Expected % of Avg.	Comparative Actual April - July Runoff			
	Reasonable Minimum ¹	Expected	Reasonable Maximum ¹			W. Yr. 2016	W. Yr. 2015	W. Yr. 2014	W. Yr. 2013
Bull Lake Reservoir	140	180	200	136.0	132	145	138	148	106
Wind River above Bull Lake Creek	400	500	600	398.1	126	323	529	580	283
Boysen Reservoir	650	850	1050	540.0	157	753	750	695	216
Buffalo Bill Reservoir	700	900	1100	677.2	133	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: