

AGENCY REPORT

To Be Included in the Notes of the Water Forum

Date of Water Forum Meeting – May 9, 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 April 30, 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	6341.35	736,526	72	145
Pathfinder	5849.73	1,008,385	94	171
Alcova	5498.48	180,669	98	101
Glendo	4629.76	466,321	95	106
Guernsey	4412.04	28,240	62	100

April 30, 2016 Water Supply Conditions

<u>Reservoir</u>	<u>Elev. (Ft)</u>	<u>Content (AF)</u>	<u>% of Average. (1987-2016)</u>
Seminole	6341.86	744,547	70
Pathfinder	5842.85	865,099	81
Alcova	5488.76	157,758	86
Glendo	4625.02	383,482	78
Guernsey	4410.69	25,631	56

April Inflows

<u>Reservoir</u>	<u>Inflows (KAF)</u>	<u>% of Average</u>
Seminole	130.1	131
Pathfinder (w/Sweetwater)	29.1	169
Alcova to Glendo Gains	42.6	102
Glendo to Guernsey Gains	0.7	17

Kendrick ownership was about 1,075,276 acre-feet (AF) on April 30, 2017, and approximately 128% of average (839,200 AF), which compares to the ownership of approximately 1,085,900 AF last year. The April 30, 2017, North Platte ownership was approximately 1,109,900 AF, which is 152% of average (729,600 AF), which compares to the 999,300 AF of North Platte ownership last year. The Glendo ownership was about 166,322 AF on April 30, 2017, which is approximately 117% of average (141,700 AF), which compares to the 171,700 AF of Glendo ownership last year.

Flows in the Miracle Mile below Kortez Dam are approximately 2,000 cubic feet per second (cfs). Releases from Gray Reef Reservoir are approximately 2,500 cfs. The level of Alcova Reservoir is at its summer operating range of 5498 ± one foot.

NORTH PLATTE WATER SUPPLY FORECAST

(1000 acre-feet)

Forecast Points	May 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	850	650	450	684	95	1030	654	1079	328
Sweetwater River Above Pathfinder Reservoir	200	180	140	50	359	69	41	42	10
Alcova to Glendo	200	150	100	134	112	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

April 30, 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	5771.45	60,863	40	79
Boysen	4707.95	464,983	63	86
Buffalo Bill	5353.29	357,368	55	90
Pilot Butte	5455.46	29,742	88	115

April 30, 2016 Water Supply Conditions

<u>Reservoir</u>	<u>Elev. (Ft)</u>	<u>Content (AF)</u>	<u>% Full Conservation Storage</u>	<u>% Avg.</u>
Bull Lake	5775.93	71,346	47	93
Boysen	4716.30	586,063	79	107
Buffalo Bill	5364.96	432,718	67	103
Pilot Butte	5452.65	27,391	81	94

* 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.

April Inflows

<u>Reservoir</u>	<u>Inflow (KAF)</u>	<u>% of Average</u>
Bull Lake	10.3	257
Boysen	132.8	277
Buffalo Bill	95.8	215

The release from Buffalo Bill Reservoir to the river will be approximately 5,000 cfs as measured at the Cody river gage. The release from Boysen Dam is approximately 5,500 cfs.

BIGHORN WATER SUPPLY FORECAST

(1000 acre-feet)

Forecast Points	May 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	220	250	270	136.0	184	145	138	148	106
Wind River above Bull Lake Creek	700	800	900	398.1	201	323	529	580	283
Boysen Reservoir	1300	1500	1700	540.0	278	753	750	695	216
Buffalo Bill Reservoir	1050	1250	1450	677.2	185	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.