

AGENCY REPORT

To Be Included in the Notes of the Water Forum

Date of Water Forum Meeting – October 11, 2016

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 September 30, 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	6345.13	797,761	78	135
Pathfinder	5843.27	873,420	82	181
Alcova	5498.40	180,523	98	100
Glendo	4595.10	152,642	31	121
Guernsey	4382.11	656	1	11

September 30, 2015 Water Supply Conditions

<u>Reservoir</u>	<u>Elev. (Ft)</u>	<u>Content (AF)</u>	<u>30 Year Average (AF) (1986-2015)</u>
Seminole	6345.80	809,045	592,600
Pathfinder	5837.21	758,882	483,000
Alcova	5498.27	180,156	179,700
Glendo	4591.49	133,646	125,700
Guernsey	4394.79	5,222	5,800

October through September Inflows

<u>Reservoir</u>	<u>Inflows (KAF)</u>	<u>% of Average</u>
Seminole	1244.5	133
Pathfinder (Sweetwater)	112.9	98
Alcova to Glendo Gains	364.8	175
Glendo to Guernsey Gains	66.6	195

The May and June Seminole inflows were 189% and 146% above average respectively. The April and May Glendo gain were 223% and 304% above average respectively. The April and May Guernsey gain were 345% and 362% above average respectively.

Kendrick ownership was about 1,119,624 acre-feet (AF) on September 30, 2016, and approximately 130% of average (860,000 AF), which compares to the ownership of 1,105,200 AF last year. The September 30, 2016, North Platte ownership was about 694,346 AF, which was approximately 178% of average (390,400 AF), which compares to 610,300 AF of North Platte ownership last year. The Glendo ownership was about 164,150 AF on September 30, 2016, which was approximately 128% of average (128,300 AF), which compares to the 152,800 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 ended September at the normal summer operating range of 5498 ± one foot and will be lowered approximately 10 feet to its normal winter operating range of 5488 ± one foot by the end of the month of October.

2. Water Supply Conditions of the Big Horn Basin

September 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	5760.80	38,288	25	50
Boysen	4718.65	624,893	105	108
Buffalo Bill	5363.24	421,289	84	94
Pilot Butte	5420.69	7,396	22	43

September 30, 2015 Water Supply Conditions

<u>Reservoir</u>	<u>Elev. (Ft)</u>	<u>Content (AF)</u>	<u>30 Year Average (AF) (1986-2015)</u>
Bull Lake	5776.97	63,684	76,700
Boysen	4719.01	631,065	578,700
Buffalo Bill	5364.67	430,804	448,300*
Pilot Butte	5436.10	15,392	17,300

* The average used for Buffalo Bill Reservoir reflects data from 1993 through 2015. 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.

October through September Inflows

<u>Reservoir</u>	<u>Inflow (KAF)</u>	<u>% of Average</u>
Bull Lake	176.0	96
Boysen	1,073.7	118
Buffalo Bill	753.1	87

The May and June Boysen inflows were 231% and 143% above average respectively.

The release from Buffalo Bill Reservoir to the river plus the springs is approximately 330 cfs as measured at the Cody river gage. The release from Boysen Dam is approximately 825 cfs.