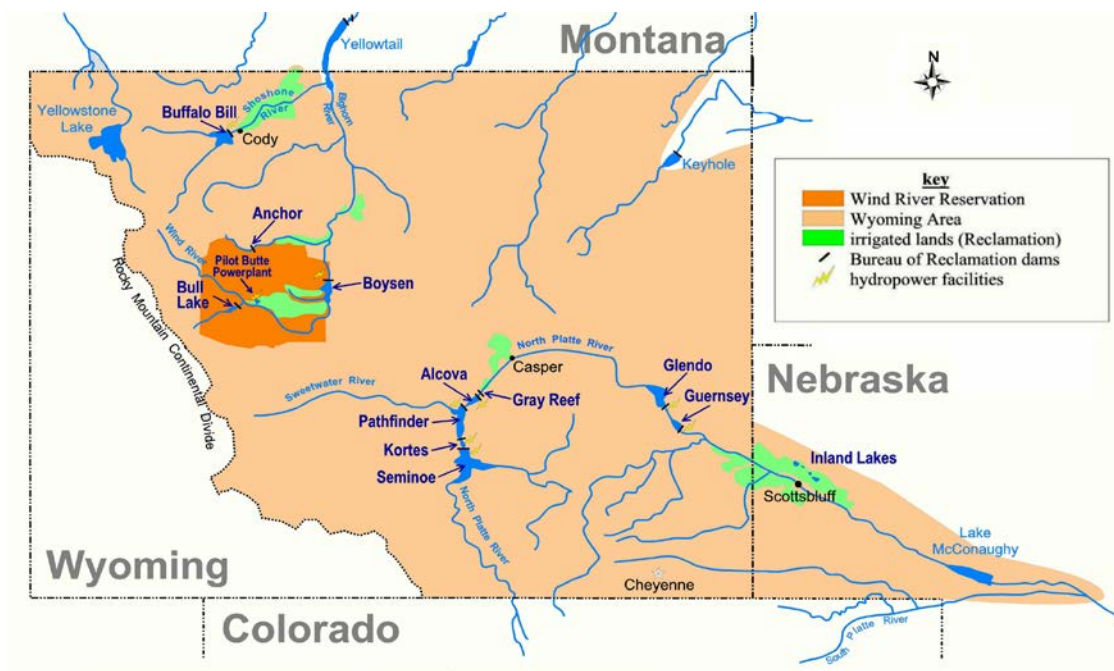


RECLAMATION

Managing Water in the West

North Platte River Basin
Water Supply and Utilization Report
Wyoming Area Office
Report for October 2016



The Wyoming Area Office of the Bureau of Reclamation is responsible for the operation of Reclamation reservoirs in Wyoming east of the Continental Divide except for Keyhole Reservoir. Four off-stream reservoirs in Nebraska commonly referred to as the Inland Lakes also fall within the Wyoming Area. The North Platte River Basin Reservoirs have a combined storage capacity of 2,800,000 acre-feet. The major reservoirs in the Shoshone and Wind/Bighorn Basins have a combined storage capacity of 1,600,000 acre-feet.



United States of America
Department of the Interior
Bureau of Reclamation
P.O. Box 1630
Mills, Wyoming 82644-1630

**Report for October 2016
WATER SUPPLY AND UTILIZATION REPORT
NORTH PLATTE RIVER BASIN
WYOMING AREA OFFICE**

This report concerns the operation of Reclamation facilities in the North Platte River Basin.

Reclamation defines a water year as the time period of October 1 through September 30. Water year is abbreviated in this report as W. Yr.

Other organizations furnished information for the Water Supply and Utilization Report. Their cooperation is greatly appreciated.

This report is available on the Internet and can be accessed by following these steps:

1. Log on to the Great Plains Home Page at: <http://www.usbr.gov/gp>
2. On left side of page Select [Water Operations](#).
3. Under Water Operations Select [Water Management Information](#).
4. Under Water Management Select [Water Supply Report](#).
5. Under North Platte River Basin, select [Current Month or reports from the previous 12 months](#).

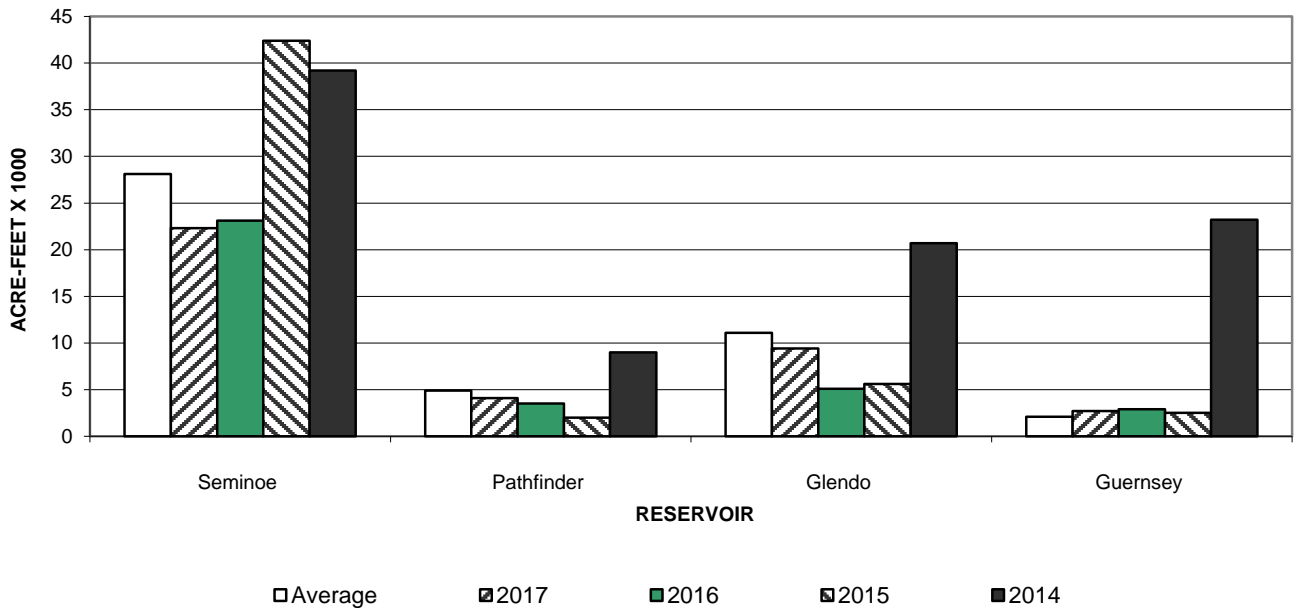
NORTH PLATTE RIVER BASIN INFLOW

(1000 acre-feet)

Reservoir	October Inflow			October Historical Inflow			Accumulated Inflow (October)		
	W. Yr. 2017	30 Yr. Avg. ⁵	% of Avg.	W. Yr. 2016	W. Yr. 2015	W. Yr. 2014	W. Yr. 2017	30 Yr. Avg. ⁵	% of Avg.
Seminole	22.3	28.1	79	23.1	42.4	39.2	22.3	28.1	79
Pathfinder ^{1,2}	4.1	4.9	84	3.5	2.0	9.0	3.5	4.9	71
Glendo ³	9.4	11.1	85	5.1	5.6	20.7	9.4	11.1	85
Guernsey ⁴	2.7	2.1	129	2.9	2.5	23.2	2.7	2.1	129

- 1 It is assumed that there is no gain between Seminole and Kortes Dams.
- 2 River gain between Kortes and Pathfinder Dams.
- 3 River gain between Pathfinder and Glendo Dams.
- 4 River gain between Glendo and Guernsey Dams.
- 5 30 year average. (1987-2016)

**NORTH PLATTE RIVER BASIN
RESERVOIR INFLOW
October**



NORTH PLATTE RIVER BASIN OUTFLOW

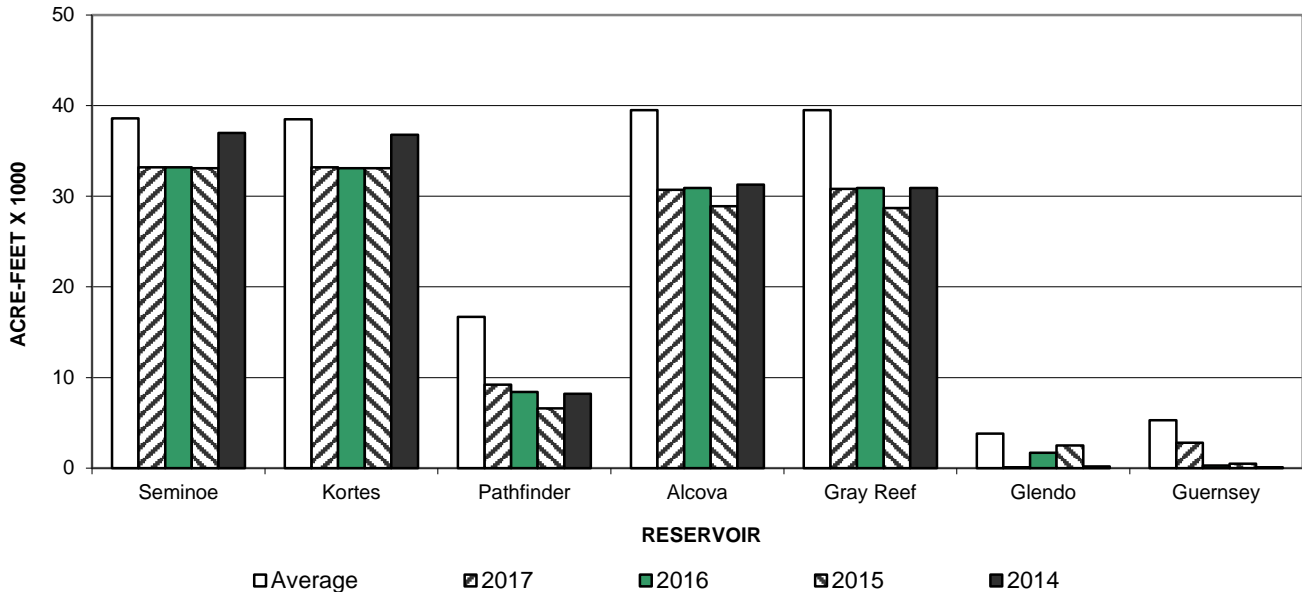
(1000 acre-feet)

Reservoir	October Outflow			October Historical Outflow			Accumulated Outflow (October)		
	W. Yr. 2017	30 Yr. Avg. ²	% of Avg.	W. Yr. 2016	W. Yr. 2015	W. Yr. 2014	W. Yr. 2017	30 Yr. Avg. ²	% of Avg.
Seminole	33.2	38.6	86	33.2	33.1	37.0	33.2	38.6	86
Kortes	33.2	38.5	86	33.1	33.1	36.8	33.2	38.5	86
Pathfinder	9.2	16.7	55	8.4	6.6	8.2	9.2	16.7	55
Alcova	30.7	39.5	78	30.9	28.9	31.3	30.7	39.5	78
Gray Reef	30.8	39.5	78	30.9	28.7	30.9	30.8	39.5	78
Glendo ¹	0.1	3.8	3	1.7	2.5	0.2	0.1	3.8	3
Guernsey	2.8	5.3	53	0.3	0.5	0.1	2.8	5.3	53

1 In 1993 an outlet was constructed at Glendo Dam which is used to provide a flow of approximately 25 cubic feet per second, 23 year average (1994-2016).

2 30 year average (1987-2016).

**NORTH PLATTE RIVER BASIN
RESERVOIR OUTFLOW
October**



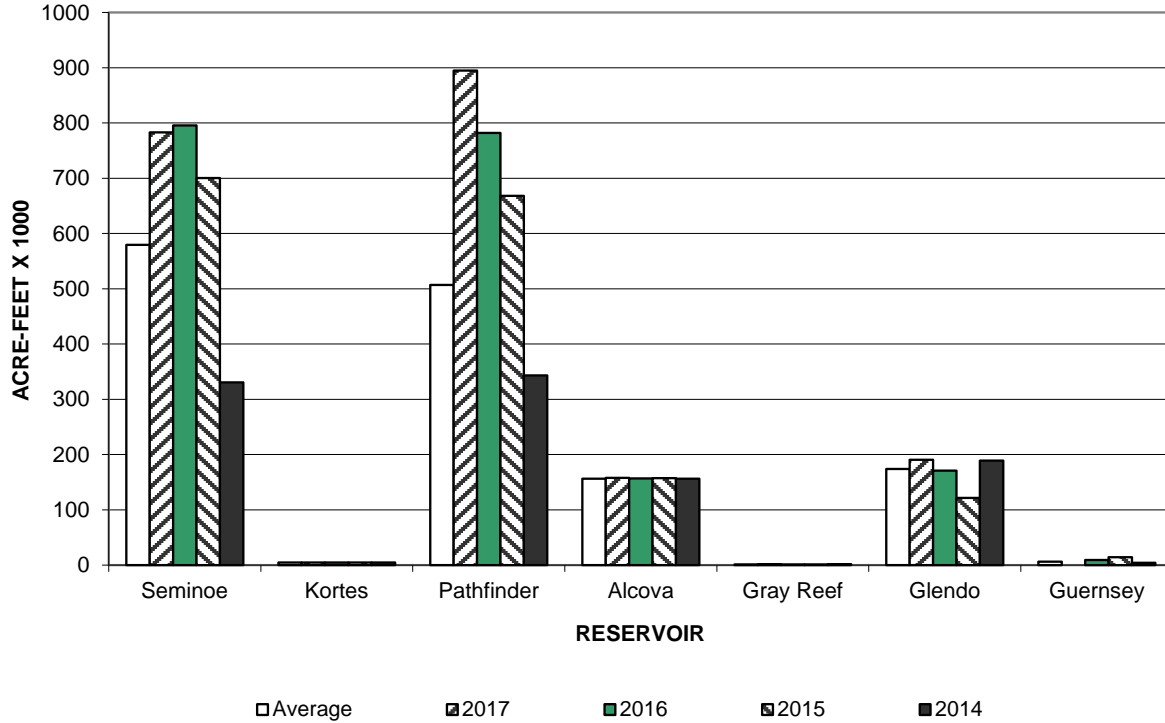
NORTH PLATTE RIVER BASIN RESERVOIR STORAGE

(1000 acre-feet)

Reservoir	Total Storage End of October			End of October Historical Storage			Total Conservation Storage Capacity	Percent of Capacity
	W. Yr. 2017	30 Yr. Avg. ¹	% of Avg.	W. Yr. 2016	W. Yr. 2015	W. Yr. 2014		
Seminole	783.0	579.3	135	795.6	700.2	330.6	1017.3	77
Kortes	4.7	4.7	100	4.7	4.7	4.7	4.7	100
Pathfinder	894.9	506.9	177	781.9	668.1	343.4	1070.0	84
Alcova	158.1	156.3	101	156.7	157.5	156.6	184.4	86
Gray Reef	1.6	1.4	114	1.4	1.4	1.6	1.8	89
Glendo	190.5	174.0	109	171.1	121.7	188.9	492.0	39
Guernsey	0.0	6.4	0	9.3	14.4	4.3	45.6	0
Total	2032.8	1429.0	142	1920.7	1668.0	1030.1	2815.8	72

¹ Average is based on the 1987-2016 period.

**NORTH PLATTE RIVER BASIN
RESERVOIR STORAGE
End of October**



NORTH PLATTE RIVER BASIN RESERVOIR STORAGE OWNERSHIP

(1000 acre-feet)

Ownership	Ownership of water End of October			End of October Historical Ownership			Total Storage Capacity	Percent of Capacity
	W. Yr. 2017	30 Yr. Avg. ⁵	% of Avg.	W. Yr. 2016	W. Yr. 2015	W. Yr. 2014		
Kendrick	1114.3	856.3	130	1100.7	885.1	782.0	1201.7	93
North Platte ¹	713.7	420.9	170	635.2	608.3	128.0	1115.6	64
Glendo	162.4	127.0	128	151.5	149.1	89.8	171.7	95
Inland Lakes ²	9.3	12.0	78	7.7	7.5	23.0	46.0	20
Cheyenne ³	8.6	4.3	200	6.6	3.6	2.6	10.0	N/A
PacifiCorp ⁴	2.0	1.9	105	2.0	2.0	2.0	2.0	100
WWDC	0.0	0.0	N/A	0.0	0.0	0.0	N/A	N/A
Other ⁶	22.6	6.4	353	17.0	12.3	2.8	N/A	N/A

1 This includes North Platte Guernsey and North Platte Pathfinder.

2 Water stored temporarily in mainstem facilities for later transfer to the Inland Lakes. This table does not reflect that water currently stored in the Inland Lakes.

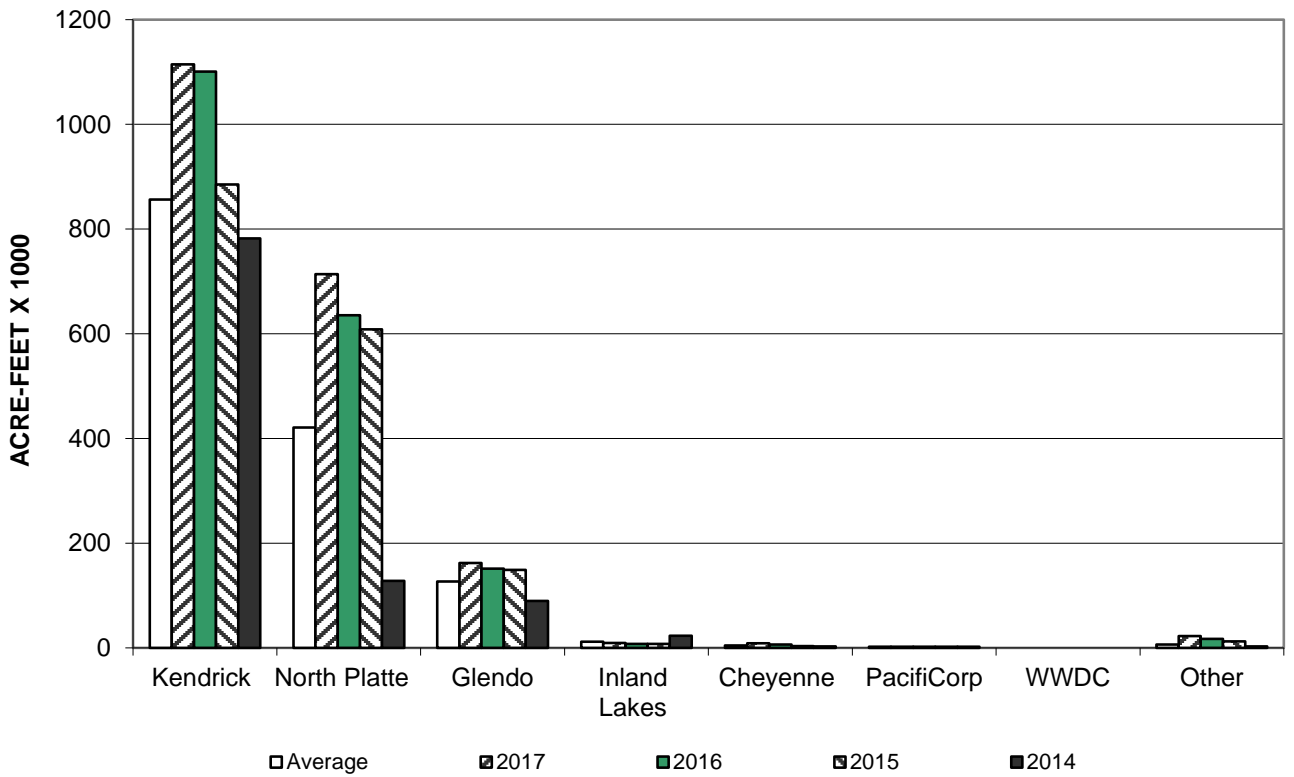
3 The City of Cheyenne has a storage contract to store water in Seminoe Reservoir by exchange of Upper North Platte Basin water through a system of trans-basin diversions

4 PacifiCorp has a storage contract to store water in Glendo Reservoir for Dave Johnston Powerplant.

5 Average is based on the 1987-2016 period.

6 Water which is captured in the re-regulation space of Glendo in addition to storage rights, operational water account, and replacement of evaporation losses is labeled as "Re-regulation of Natural Flow" per Wyoming Board of Control Order Docket Number I-2000-3-8 in water Division Number One. In accordance with 2014 Natural Flow and Ownership Procedures, the operational account may contain up to 15,000 acre-feet. On October 31, 2016, the Operational account contained 14,452 Acre-feet, and the Re-Regulation space contained 8,136 Acre-feet.

**NORTH PLATTE RIVER BASIN
OWNERSHIP OF WATER
End of October**



INLAND LAKES RESERVOIR STORAGE

(acre-feet)

Reservoir	Total Storage End of October	30 Year Average ⁵	Percent of Average	Total Storage Capacity
Lake Alice	1,130	1,000	113	11,034 ¹
Little Lake Alice	7	100 ⁶	7	1,166 ²
Lake Winters Creek	1,241	800 ⁶	155	1,746 ³
Lake Minatare	36,536	26,700	137	58,795 ⁴

1 At Elevation 4182.0
 2 At Elevation 4139.0
 3 At Elevation 4125.0
 4 At Elevation 4125.0
 5 30 year average. (1987-2016)
 6 26 year average. (1991-2016)

NORTH PLATTE RIVER BASIN GROSS GENERATION

The October Power generation was below average for all North Platte powerplants

(Energy in giga-watt hours)

Powerplant	October Gross Generation			October Historical Generation			Accumulated Gross Gen. (October)		
	W. Yr. 2017	30 Yr. Avg. ²	% of Avg.	W. Yr. 2016	W. Yr. 2015	W. Yr. 2014	W. Yr. 2017	30 Yr. Avg. ²	% of Avg.
Seminoe	4.5	5.5	82	4.5	4.5	4.6	4.5	5.5	82
Kortes	5.2	6.2	84	5.4	5.3	6.0	5.2	6.2	84
Fremont Canyon ¹	0.8	3.4	24	0.3	0.0	0.4	0.8	3.4	24
Alcova	3.0	4.5	67	2.5	2.7	3.2	3.0	4.5	67
Glendo	0.0	0.2	N/A	0.0	0.0	0.0	0.0	0.2	0
Guernsey	0.0	0.2	N/A	0.0	0.0	0.0	0.0	0.2	0

1 The powerplant for Pathfinder Dam is Fremont Canyon.

2 Average is based on the 1987-2016 period.

**NORTH PLATTE RIVER BASIN
GROSS GENERATION
October**

