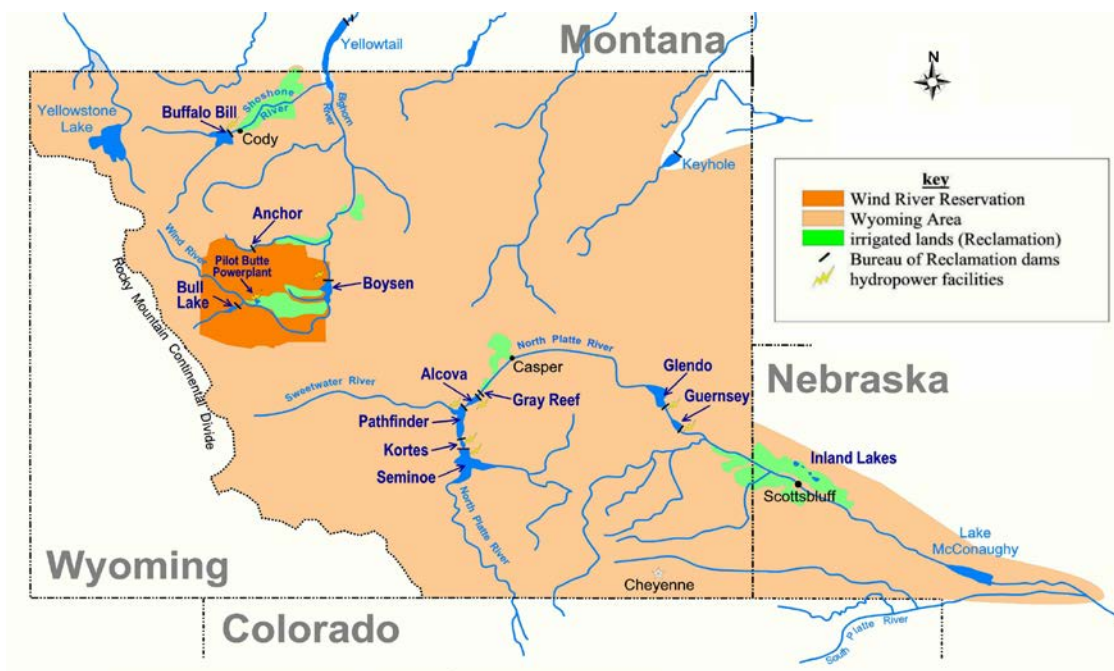


RECLAMATION

Managing Water in the West

North Platte River Basin
Water Supply and Utilization Report
Wyoming Area Office
Report for December 2015



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 December 2015
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

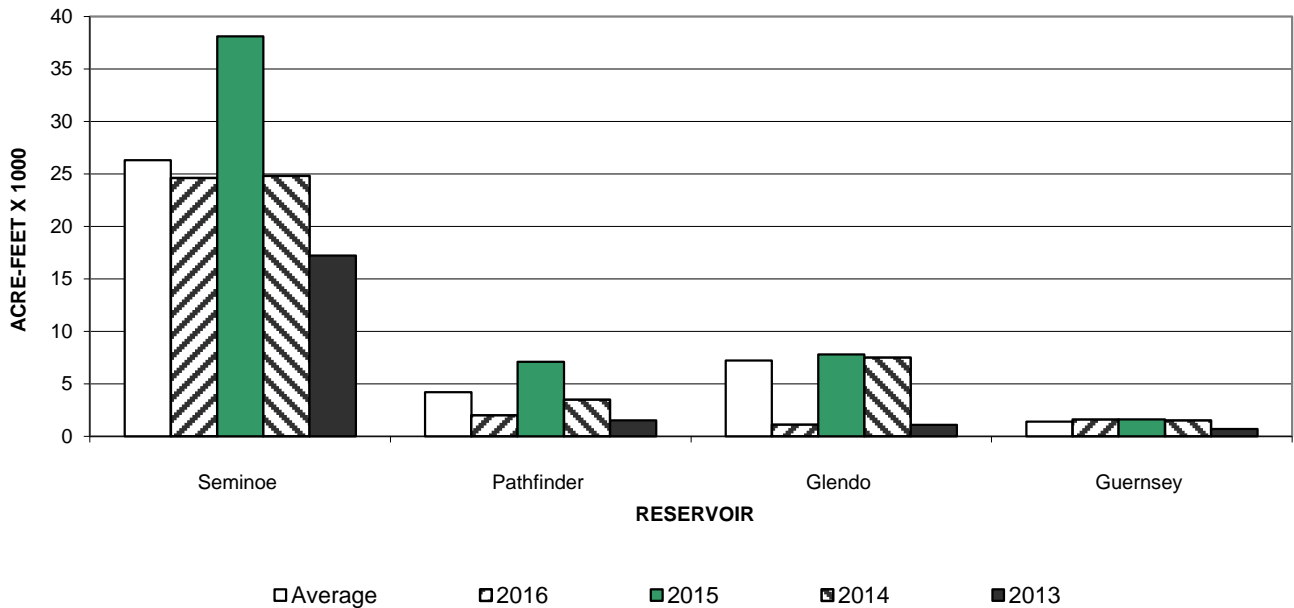
The December inflow was above average for Guernsey Reservoir.

(1000 acre-feet)

Reservoir	December Inflow			December Historical Inflow			Accumulated Inflow (October-December)		
	W. Yr. 2016	30 Yr. Avg. ⁵	% of Avg.	W. Yr. 2015	W. Yr. 2014	W. Yr. 2013	W. Yr. 2016	30 Yr. Avg. ⁵	% of Avg.
Seminole	24.6	26.3	94	38.1	24.8	17.2	70.6	85.2	83
Pathfinder ^{1,2}	2.0	4.2	48	7.1	3.5	1.5	8.2	13.2	62
Glendo ³	1.1	7.2	15	7.8	7.5	1.1	11.7	29.2	40
Guernsey ⁴	1.6	1.4	114	1.6	1.5	0.7	6.3	5.3	119

- 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. (1986-2015)

NORTH PLATTE RIVER BASIN RESERVOIR INFLOW December



NORTH PLATTE RIVER BASIN OUTFLOW

The December outflow was above average for Seminoe and Kortes Reservoirs.

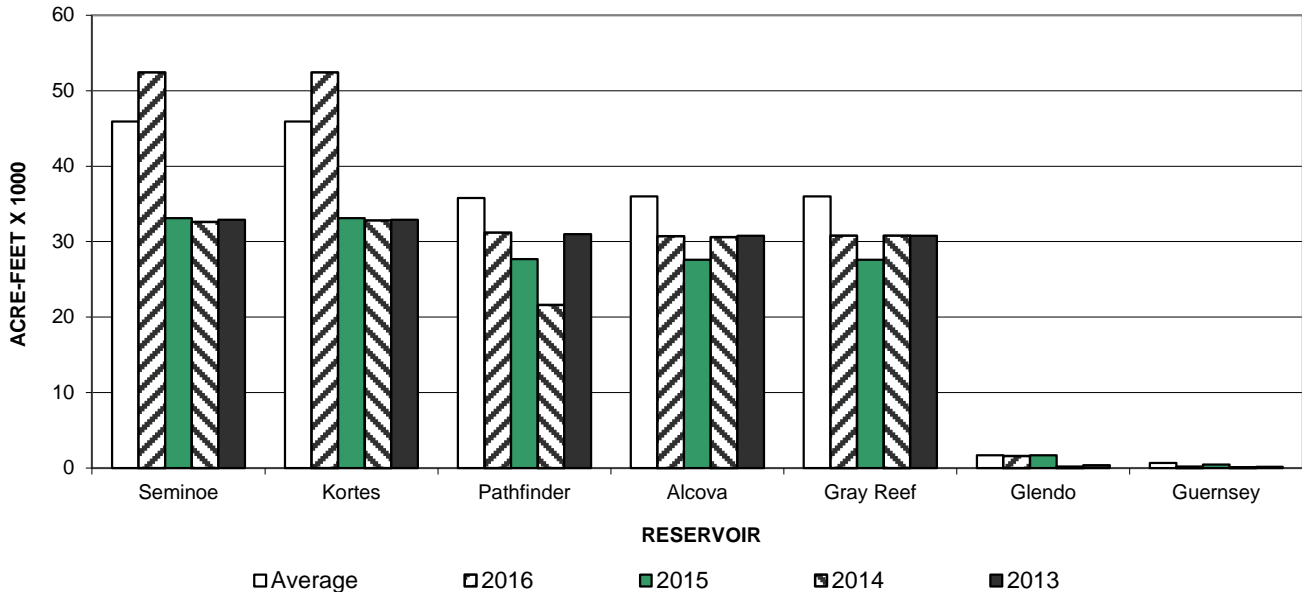
(1000 acre-feet)

Reservoir	December Outflow			December Historical Outflow			Accumulated Outflow (October-December)		
	W. Yr. 2016	30 Yr. Avg. ²	% of Avg.	W. Yr. 2015	W. Yr. 2014	W. Yr. 2013	W. Yr. 2016	30 Yr. Avg. ²	% of Avg.
Seminoe	52.4	45.9	114	33.1	32.6	32.9	133.2	127.1	105
Kortes	52.4	45.9	114	33.1	32.8	32.9	133.1	127.1	105
Pathfinder	31.2	35.8	87	27.7	21.6	31.0	70.6	90.8	78
Alcova	30.7	36.0	85	27.6	30.6	30.8	91.8	114.5	80
Gray Reef	30.8	36.0	86	27.6	30.8	30.8	91.5	114.5	80
Glendo ¹	1.6	1.7	94	1.7	0.2	0.4	4.8	5.2	92
Guernsey	0.2	0.7	29	0.5	0.1	0.2	0.7	9.2	8

1 In 1993 an outlet was constructed at Glendo Dam which is used to provide a flow of approximately 25 cubic feet per second, 22 year average (1994-2015).

2 30 year average (1986-2015).

**NORTH PLATTE RIVER BASIN
RESERVOIR OUTFLOW
December**



NORTH PLATTE RIVER BASIN RESERVOIR STORAGE

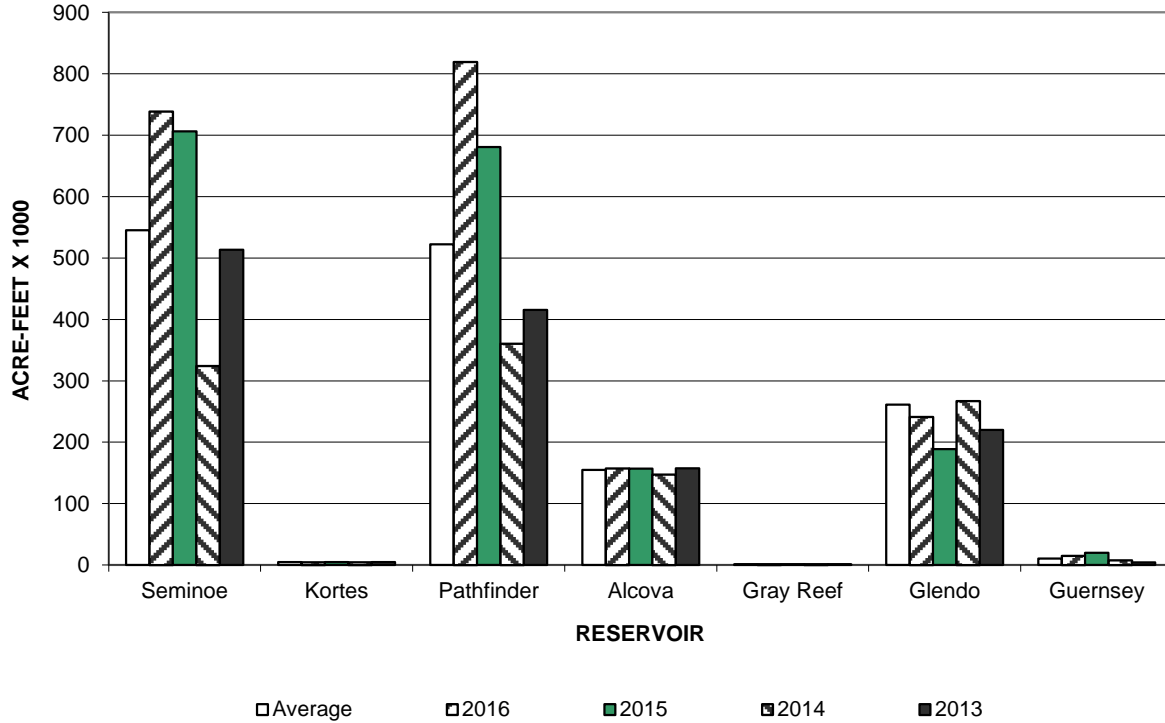
The December storage was below average for Glendo Reservoir.

(1000 acre-feet)

Reservoir	Total Storage End of December			End of December Historical Storage			Total Conservation Storage Capacity	Percent of Capacity
	W. Yr. 2016	30 Yr. Avg. ¹	% of Avg.	W. Yr. 2015	W. Yr. 2014	W. Yr. 2013		
Seminole	738.6	545.4	135	706.4	324.1	513.5	1017.3	73
Kortes	4.7	4.7	100	4.7	4.6	4.7	4.7	100
Pathfinder	819.2	522.1	157	680.9	360.4	415.3	1070.0	77
Alcova	157.4	154.9	102	157.0	147.4	157.4	184.4	85
Gray Reef	1.5	1.4	107	1.4	1.3	1.2	1.8	83
Glendo	241.1	261.4	92	188.6	267.0	220.2	492.0	49
Guernsey	15.2	10.3	148	19.7	7.7	4.2	45.6	33
Total	1977.7	1500.2	132	1758.7	1112.5	1316.5	2815.8	70

¹ Average is based on the 1986-2015 period.

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



NORTH PLATTE RIVER BASIN RESERVOIR STORAGE OWNERSHIP

The Inland Lakes Ownership was below average for December.

(1000 acre-feet)

Ownership	Ownership of water End of December			End of December Historical Ownership			Total Storage Capacity	Percent of Capacity
	W. Yr. 2016	30 Yr. Avg. ⁵	% of Avg.	W. Yr. 2015	W. Yr. 2014	W. Yr. 2013		
Kendrick	1094.7	852.5	128	883.7	778.0	952.3	1201.7	91
North Platte ¹	691.1	486.8	142	691.7	198.9	212.1	1115.6	62
Glendo	150.5	125.9	120	148.5	89.0	117.1	171.7	88
Inland Lakes ²	14.7	21.3	69	15.8	38.7	15.8	46.0	32
Cheyenne ³	7.9	5.8	136	4.7	3.2	6.7	10.0	79
PacifiCorp ⁴	2.0	1.8	111	2.0	2.0	2.0	2.0	100
WWDC	0.0	N/A	N/A	0.0	0.0	0.0	N/A	N/A
Other ⁶	16.9	6.0	282	12.3	2.8	10.6	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.

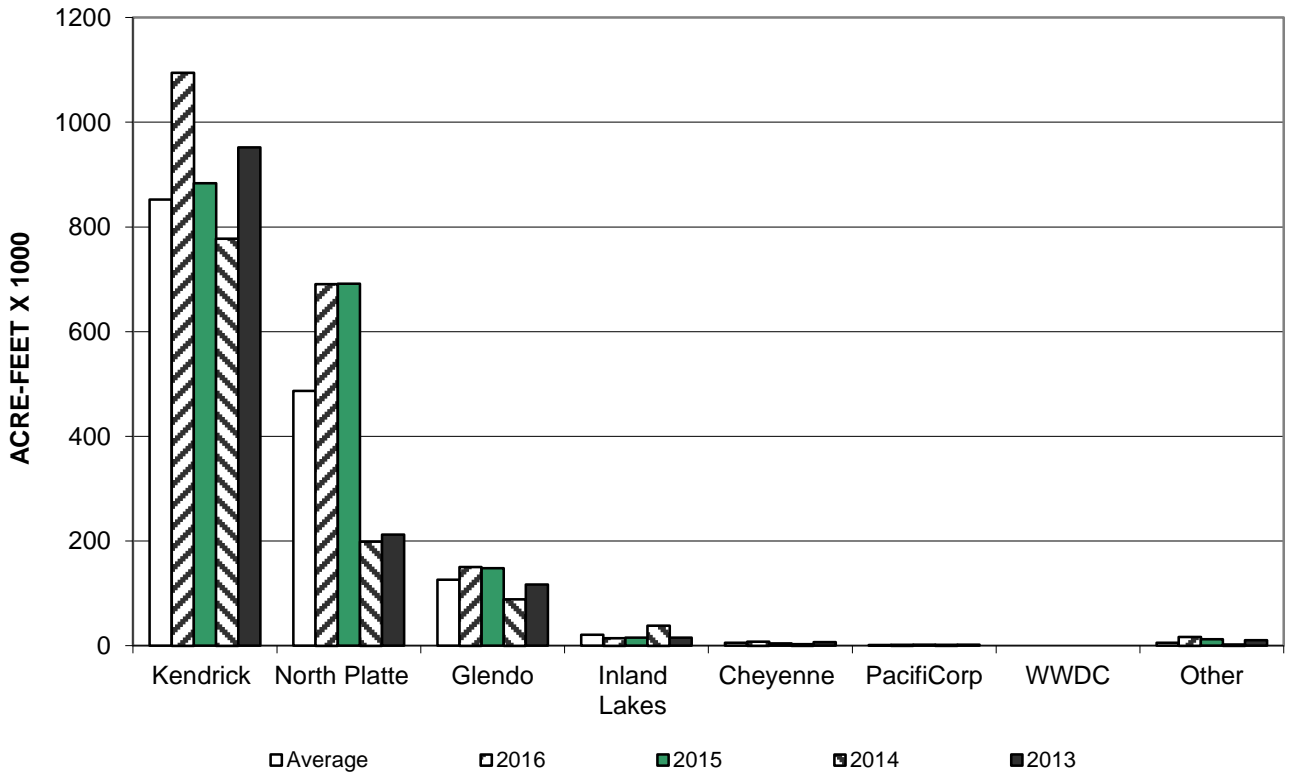
3 The City of Cheyenne has a storage contract to store water in Seminoe Reservoir by exchange of Upper North Platte Basin water through a system of trans-basin diversions

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

5 Average is based on the 1986-2015 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 December 31, 2015, the Operational account contained 5,093 Acre-feet, and the Re-Regulation space contained 11,825 Acre-feet.

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



INLAND LAKES RESERVOIR STORAGE

Reservoir	Total Storage End of December	30 Year Average ⁵	Percent of Average	Total Storage Capacity
Lake Alice	1,800	600	300	11,034 ¹
Little Lake Alice	100	100 ⁶	100	1,166 ²
Lake Winters Creek	1,100	700 ⁶	157	1,746 ³
Lake Minatare	32,000	26,400	121	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. (1986-2015)
 6 25year average. (1991-2015)

NORTH PLATTE RIVER BASIN GROSS GENERATION

The December power generation was above average for Seminoe and Kortes Power Plants.

(Energy in giga-watt hours)

Powerplant	December Gross Generation			December Historical Generation			Accumulated Gross Gen. (October - December)		
	W. Yr. 2016	30 Yr. Avg. ²	% of Avg.	W. Yr. 2015	W. Yr. 2014	W. Yr. 2013	W. Yr. 2016	30 Yr. Avg. ²	% of Avg.
Seminoe	8.6	6.8	126	4.4	4.1	4.3	20.9	18.5	113
Kortes	9.8	7.5	131	5.2	5.5	5.1	24.0	20.5	117
Fremont Canyon ¹	7.9	9.2	86	6.1	4.6	7.4	16.2	21.8	74
Alcova	3.0	4.2	71	2.4	3.2	3.6	8.3	13.2	63
Glendo	0.0	0.0	N/A	0.0	0.0	0.0	0.0	0.3	0
Guernsey	0.0	0.0	N/A	0.0	0.0	0.0	0.0	0.4	0

1 The powerplant for Pathfinder Dam is Fremont Canyon.

2 Average is based on the 1986-2015 period.

**NORTH PLATTE RIVER BASIN
GROSS GENERATION
December**

