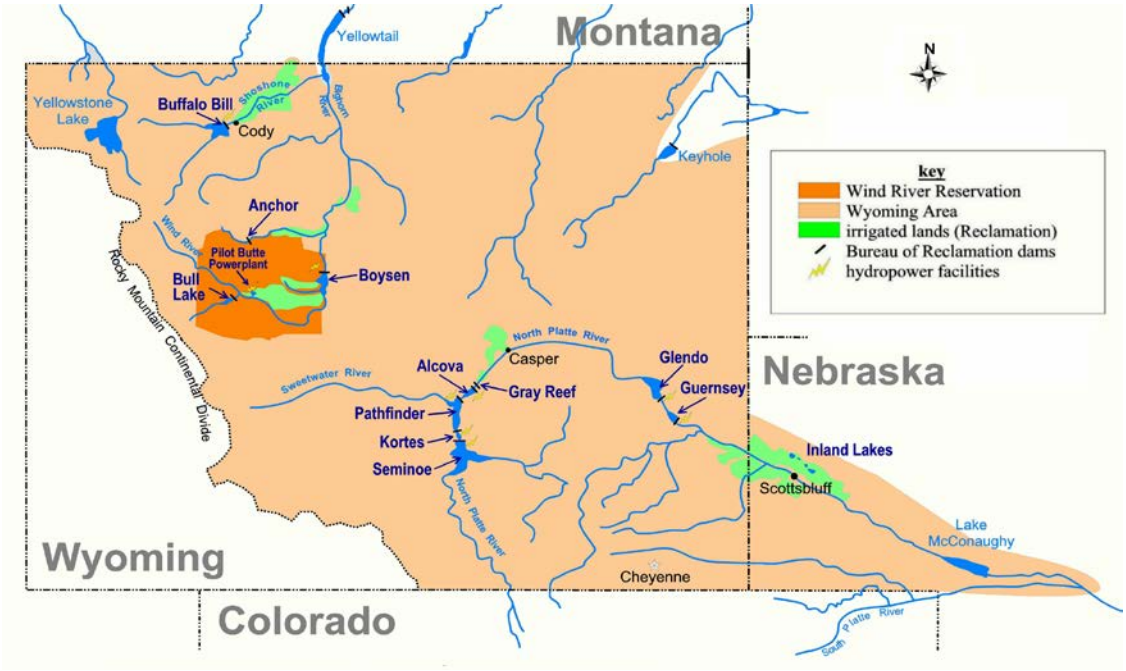
RECLAMATION
Managing Water in the West

North Platte River Basin
Water Supply and Utilization Report
Wyoming Area Office
Report for March 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 March 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)

	March Inflow			March Historical Inflow			Accumulated Inflow (October - March)		
Reservoir	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.
Seminoe	50.2	58.9	85	67.4	48.1	33.3	179.8	196.5	92
Pathfinder [1, 2]	9.5	11.4	83	8.9	10.3	8.2	32.6	34.8	94
Glendo [3]	17.1	18.2	94	12.2	31.5	6.9	55.0	70.5	78
Guernsey [4]	3.0	1.5	200	1.6	3.8	0.9	13.2	9.7	136
System Total	79.8	90.0	89	90.1	93.7	49.3	280.6	311.5	399

1 It is assumed that there is no gain between Seminoe and Kortes Dams.

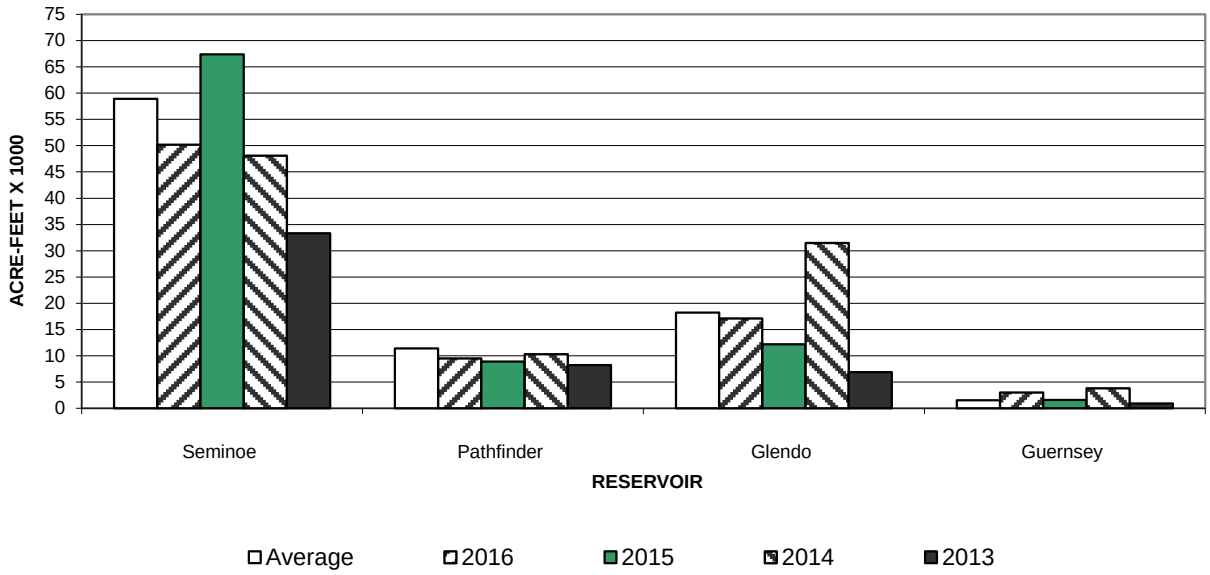
2 River gain between Kortes and Pathfinder Dams.

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
March



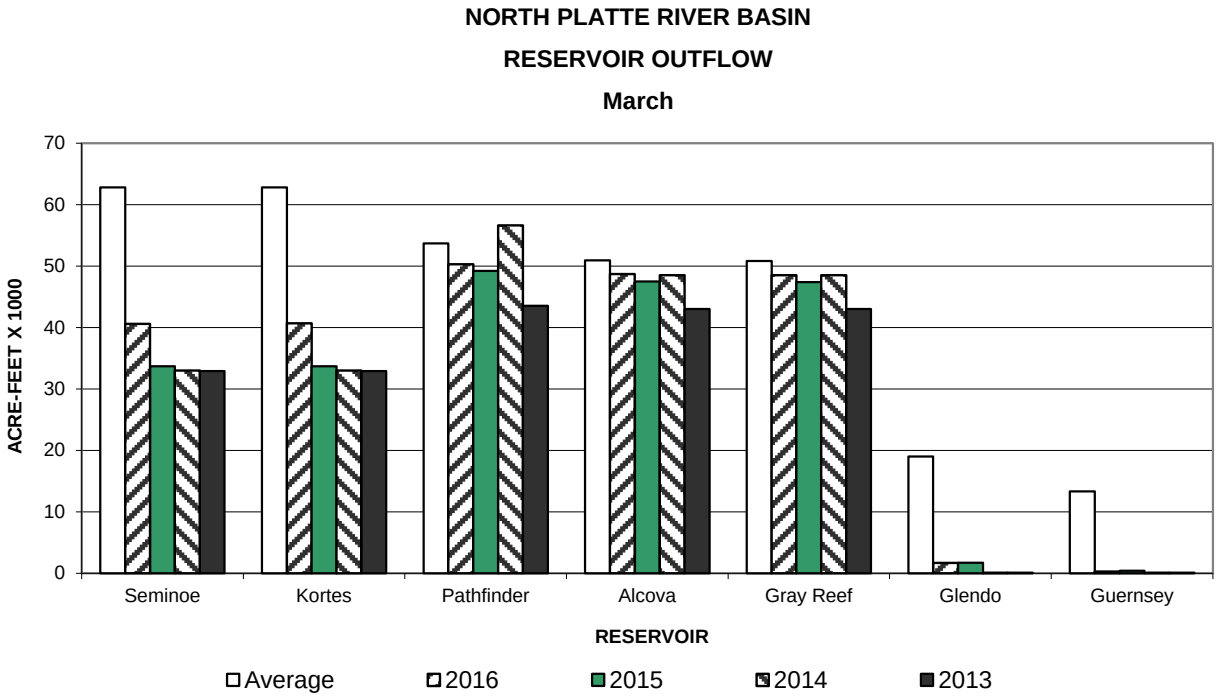
NORTH PLATTE RIVER BASIN OUTFLOW

(1000 acre-feet)

	March Outflow			March Historical Outflow			Accumulated Outflow (October - March)		
Reservoir	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	40.6	62.8	65	33.7	33.0	32.9	269.2	285.7	94
Kortes	40.7	62.8	65	33.7	33.0	32.9	269.1	285.7	94
Pathfinder	50.3	53.7	94	49.2	56.6	43.5	180.0	213.2	84
Alcova	48.7	50.9	96	47.5	48.5	43.0	199.7	232.8	86
Gray Reef	48.5	50.8	95	47.4	48.5	43.0	199.4	232.7	86
Glendo [1]	1.7	19.0 [1]	9	1.7	0.1	0.1	9.1	28.0	33
Guernsey	0.3	13.3	2	0.4	0.1	0.1	1.4	23.4	6

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).

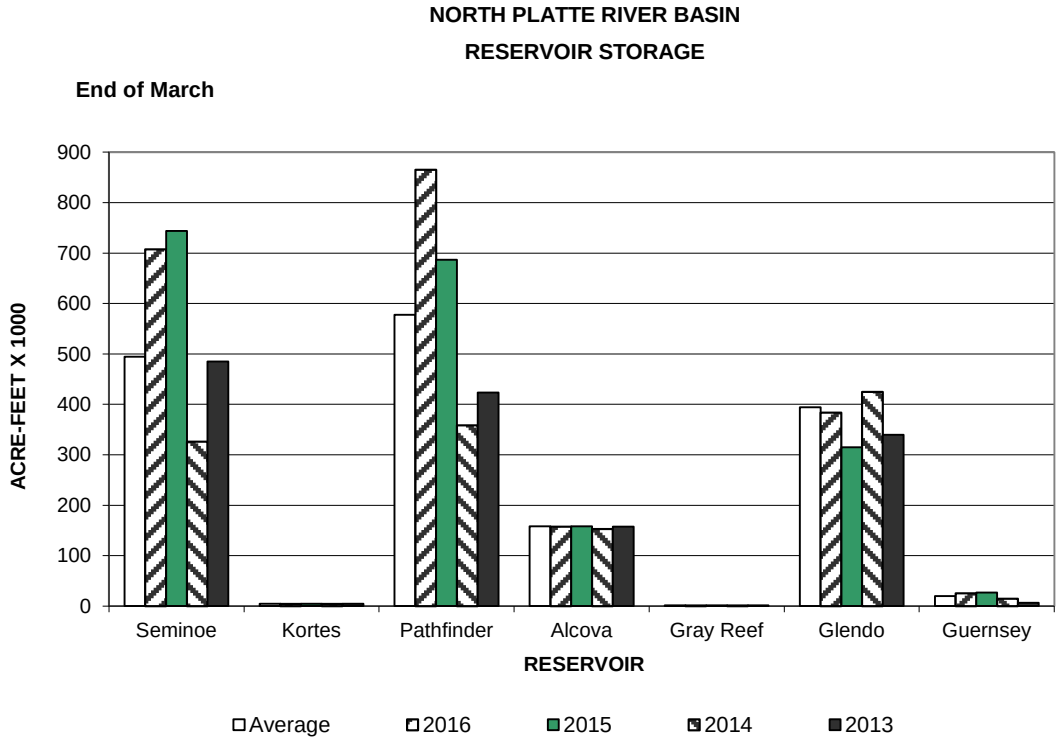


NORTH PLATTE RIVER BASIN RESERVOIR STORAGE

(1000 acre-feet)

Reservoir	Total Storage End of March			End of March 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		
Seminoe	707.6	494.6	143	743.8	326.3	485.0	1017.3	70
Kortes	4.7	4.7	100	4.7	4.5	4.7	4.7	100
Pathfinder	865.1	577.9	150	687.0	358.4	423.6	1070.0	81
Alcova	157.8	158.2	100	158.4	153.1	157.3	184.4	86
Gray Reef	1.4	1.4	100	1.6	1.3	1.5	1.8	78
Glendo	383.5	394.4	97	315.2	424.6	340.0	492.0	78
Guernsey	25.6	19.8	129	27.2	14.8	6.7	45.6	56
Total	2145.7	1651.0	130	1937.9	1283.0	1418.8	2815.8	76

1 Average is based on the 1986-2015 period.



NORTH PLATTE RIVER BASIN RESERVOIR STORAGE OWNERSHIP

(1000 acre-feet)

	Ownership of water End of March			End of March Historical Ownership			Total Storage Capacity	Percent of Capacity
Ownership	W. Yr. 2016	30 Yr. Avg. [5]	% of Avg.	W. Yr. 2015	W. Yr. 2014	W. Yr. 2013		
Kendrick	1089.0	834.6	130	874.6	775.1	948.1	1201.7	91
North Platte [1]	857.6	637.6	135	879.2	346.8	318.5	1115.6	77
Glendo	154.9	133.4	116	148.0	110.8	115.7	171.7	90
Inland Lakes [2]	14.6	21.2	69	15.6	38.6	15.6	46.0	32
Cheyenne [3]	9.7	7.9	123	6.4	4.4	8.6	10.0	97
PacifiCorp [4]	2.0	1.7	118	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]	18.0	14.6	123	12.2	5.3	10.3	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 water currently stored in the Inland Lakes.

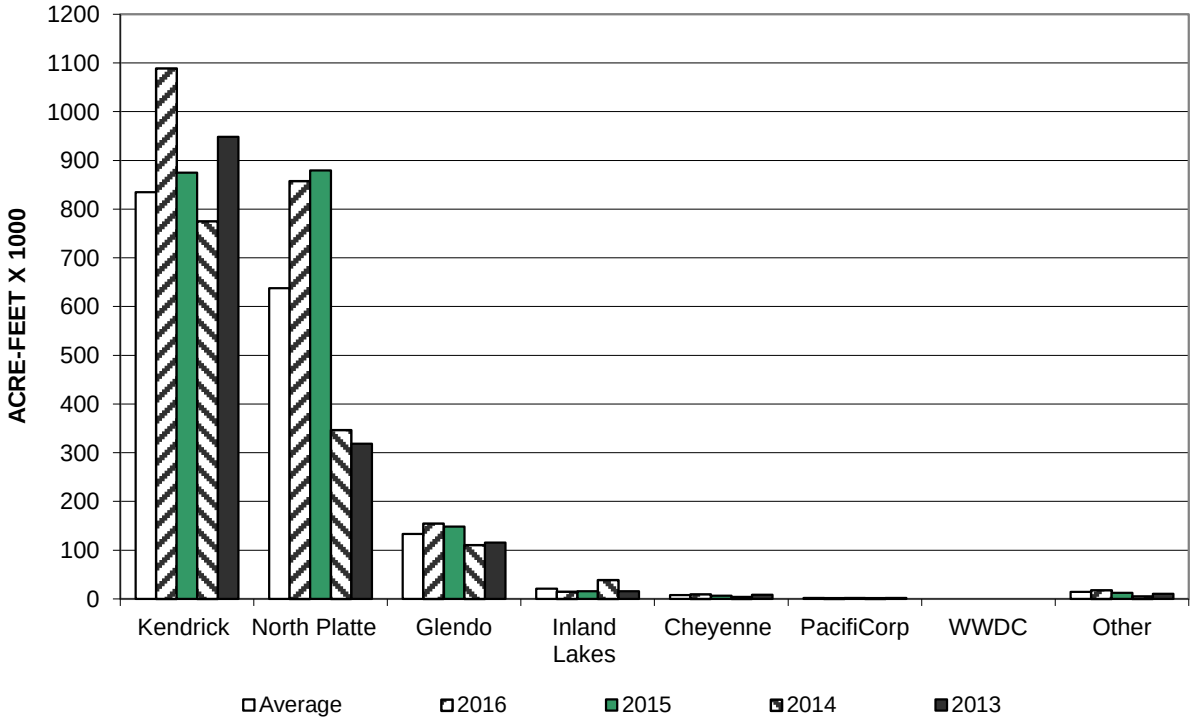
3 The City of Cheyenne has a storage contract to store water in Seminoe Reservoir by exchange of Upper North Platte Basin water through a system of trans-basin diversions.

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 2015 Natural Flow and Ownership Procedures, the operational account may contain up to 15,000 acre-feet. On March 31, 2016, the Operational account contained 6,166 Acre-feet, the Re-Regulation space contained 11,788 Acre-feet.

NORTH PLATTE RIVER BASIN
OWNERSHIP OF WATER
End of March



INLAND LAKES RESERVOIR STORAGE

(acre-feet)

Reservoir	Total Storage End of March	30 Year Average [5]	Percent of Average	Total Storage Capacity
Lake Alice	**1,593**	**300**	**531**	**11,034** [1]
Little Lake Alice	**102**	**0** [6]	**N/A**	**1,166** [2]
Lake Winters Creek	**814**	**500** [6]	**163**	**1,746** [3]
Lake Minatare	**31,322**	**25,600**	**122**	**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 25 year average. (1991-2015)

NORTH PLATTE RIVER BASIN GROSS GENERATION

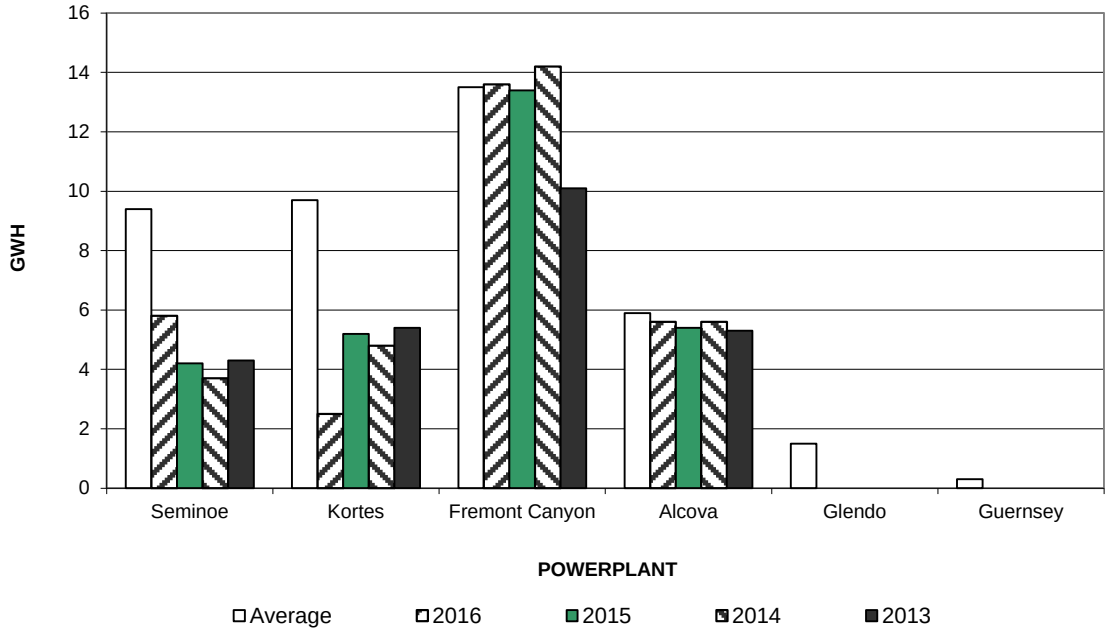
(Energy in giga-watt hours)

Powerplant	March Gross Generation			March Historical Generation			Accumulated Gross Gen. (October - March)		
	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	5.8	9.4	62	4.2	3.7	4.3	35.4	42.1	84
Kortes	2.5	9.7	26	5.2	4.8	5.4	39.7	45.9	86
Fremont Canyon [1]	13.6	13.5	101	13.4	14.2	10.1	43.4	52.2	83
Alcova	5.6	5.9	95	5.4	5.6	5.3	19.8	26.8	74
Glendo	0.0	1.5	N/A	0.0	0.0	0.0	0.0	1.8	N/A
Guernsey	0.0	0.3	N/A	0.0	0.0	0.0	0.0	0.7	N/A

1 The powerplant for Pathfinder Dam is Fremont Canyon.

2 Average is based on the 1986-2015 period.

NORTH PLATTE RIVER BASIN
GROSS GENERATION
March



NORTH PLATTE ESTIMATED APRIL-JULY RUNOFF

The forecast for the North Platte River system is shown in the two tables below.

(1000 acre-feet)

Forecast Points	April 1, 2016 Forecast of April-July Runoff			30 Yr. April-July Runoff Avg. [2]	Expected % of Avg.	Comparative Actual April - July Runoff			
	Reasonable Minimum[1]	Expected	Reasonable Maximum[1]			W. Yr. 2015	W. Yr. 2014	W. Yr. 2013	W. Yr. 2012
Seminoe Reservoir	380	680	980	690	99	654	1079	328	268
Sweetwater River Above Pathfinder Reservoir	40	60	80	53	113	41	42	10	24
Alcova to Glendo	100	150	200	130	115	196	238	50	47

[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 1986-2015 period.

(1000 acre-feet)

Forecast Points	April 1, 2016 Forecast of April-July Runoff — Chance of Exceeding						30 Yr. April-July Runoff Avg. [1]
	95%	75%	50%	% of Avg	25%	5%	
Seminoe Reservoir	380	557	680	99	803	980	690
Sweetwater River Above Pathfinder Reservoir	40	52	60	113	68	80	53
Alcova to Glendo Gain	100	130	150	115	170	200	130

[1] Average is based on the 1986-2015 period.

NORTH PLATTE SNOWPACK WATER CONTENT

SWE in inches [1]

WATERSHED	April 1, 2016 snow-water content			Comparative April 1 snow-water content		
	W. Yr. 2016	30 Yr. Median [2]	% of Median	W. Yr. 2015	W. Yr. 2014	W. Yr. 2013
Seminoe Reservoir	23.2	23.5	99	17.5	24.2	15.6
Pathfinder Reservoir	15.4	14.8	104	9.3	14.5	7.6
Glendo Reservoir	13.2	11.0	120	6.7	14.1	7.3

Seminoe Reservoir Watershed

SWE in inches [1]

Stations (Elevation)	Water Content	30 Yr. Median [2]
Brooklyn Lake (10,240)	23.8	20.0
Columbine (9,160)	24.4	22.8
Divide Peak (8,880)	19.3	19.5
Joe Wright (10,120)	17.6	20.2
North French (10,130)	26.0	28.0
Old Battle (10,000)	28.6	29.6
Sand Lake (10,050)	26.3	27.5
South Brush (8,440)	12.7	12.2
Tower (10,500)	38.4	44.0
Webber Springs (9,250)	21.9	23.0
Willow Creek Pass (9,540)	15.9	11.8
Watershed Median	23.2	23.5

Pathfinder Reservoir Watershed

SWE in inches [1]

Stations (Elevation)	Water Content	30 Yr. Median [2]
South Pass (9,040)	14.3	14.9
Deer Park (9,700)	16.4	14.7
Watershed Average	15.4	14.8

Glendo Reservoir Watershed

SWE in inches [1]

Stations (Elevation)	Water Content	30 Yr. Median [2]
Casper (7,900) [4]	16.8	13.4
Laprele Creek (8,375) [4]	10.1	9.5
Reno Hill (8,500) [4]	15.9	13.2
Windy Peak (7,900) [4]	9.8	7.8
Watershed Average	13.2	11.0

[1] SWE (Snow Water Equivalent is the amount of water in the snowpack expressed in inches)

[2] Median for the 1981-2010 period

[3] Represents a Natural Resources Conservation Service (NRCS) Snow Course Site.

[4] Represents a NRCS Snowpack Telemetry Network (SNOTEL) Site.