

November 1, 2009
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

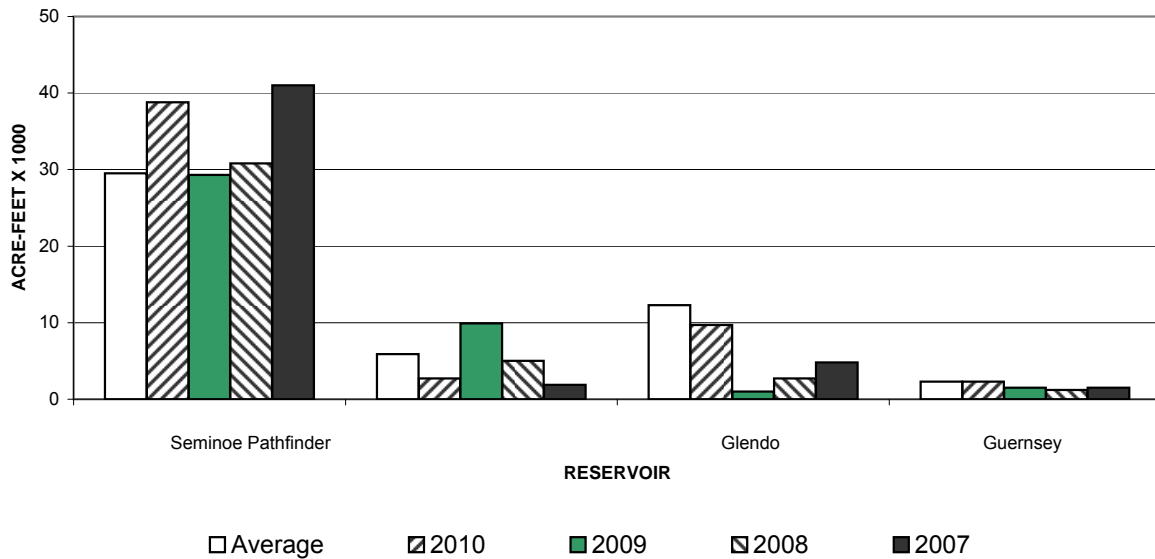
The October inflow was above average for Seminole Reservoir.

(1000 acre-feet)

Reservoir	October Inflow			October Historical Inflow			Accumulated Inflow (October)		
	W. Yr. 2010	30 Yr. Avg. ⁵	% of Avg.	W. Yr. 2009	W. Yr. 2008	W. Yr. 2007	W. Yr. 2010	30 Yr. Avg. ⁵	% of Avg.
Seminole	38.8	29.5	132	29.3	30.8	41.0	38.8	29.5	132
Pathfinder ^{1,2}	2.7	5.9	46	9.9	5.0	1.9	2.7	5.9	46
Glendo ³	9.7	12.3	79	1.0	2.7	4.8	9.7	12.3	79
Guernsey ⁴	2.3	2.3	100	1.5	1.2	1.5	2.3	2.3	100

- 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. (1980-2009)

**NORTH PLATTE RIVER BASIN
RESERVOIR INFLOW
October**



NORTH PLATTE RIVER BASIN OUTFLOW

The October outflow was below average for all reservoirs.

(1000 acre-feet)

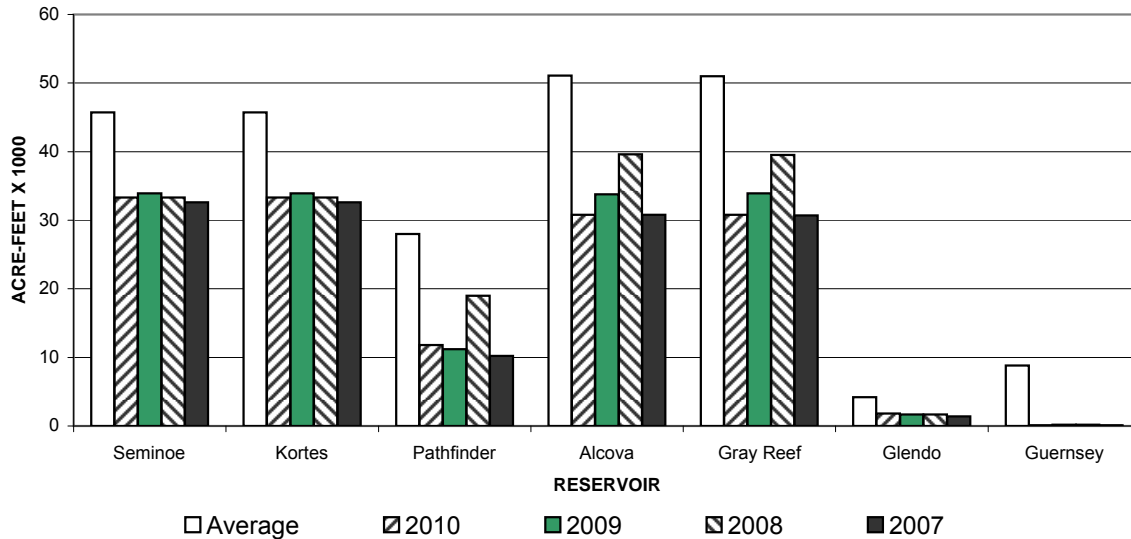
Reservoir	October Outflow			October Historical Outflow			Accumulated Outflow (October)		
	W. Yr. 2010	30 Yr. Avg. ²	% of Avg.	W. Yr. 2009	W. Yr. 2008	W. Yr. 2007	W. Yr. 2010	30 Yr. Avg. ²	% of Avg.
Seminole	33.3	45.7	73	33.9	33.3	32.6	33.3	45.7	73
Kortes	33.3	45.7	73	33.9	33.3	32.6	33.3	45.7	73
Pathfinder	11.8	28.0	42	11.2	19.0	10.2	11.8	28.0	42
Alcova	30.8	51.1	60	33.8	39.6	30.8	30.8	51.1	60
Gray Reef	30.8	51.0	60	33.9	39.5	30.7	30.8	51.0	60
Glendo ¹	1.8	4.2	43	1.7	1.7	1.4	1.8	4.2	43
Guernsey	0.1	8.8	1	0.2	0.2	0.1	0.1	8.8	1

¹ In 1993 an outlet was constructed at Glendo Dam which is used to provide a flow of approximately 25 cubic feet per second, 16 year average (1994-2009).

² 30 year average (1980-2009).

NORTH PLATTE RIVER BASIN RESERVOIR OUTFLOW

October



NORTH PLATTE RIVER BASIN RESERVOIR STORAGE

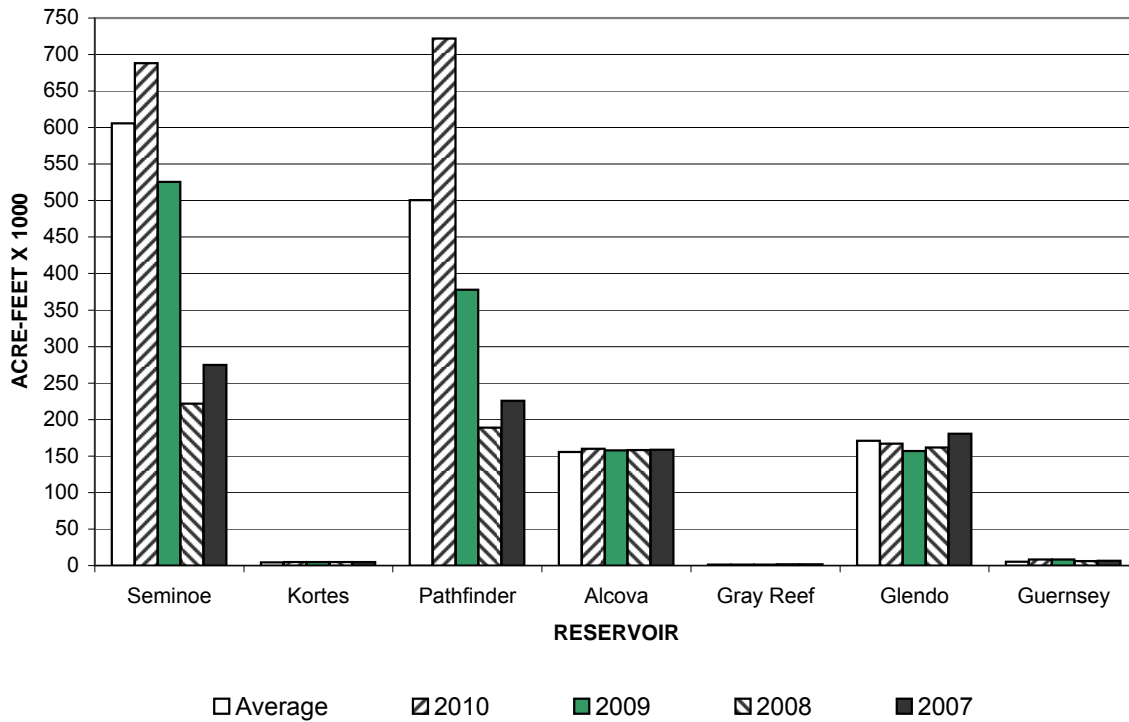
The October storage was average or above average for all North Platte Reservoirs except Glendo Reservoir.

(1000 acre-feet)

Reservoir	Total Storage End of October			End of October Historical Storage			Total Conservation Storage Capacity	Percent of Capacity
	W. Yr. 2010	30 Yr. Avg. ¹	% of Avg.	W. Yr. 2009	W. Yr. 2008	W. Yr. 2007		
Seminole	688.1	605.8	114	525.6	221.9	274.8	1017.3	68
Kortes	4.7	4.6	102	4.7	4.7	4.7	4.7	100
Pathfinder	721.9	500.8	144	377.9	188.9	225.7	1016.5	71
Alcova	160.1	155.6	103	157.9	158.3	158.7	184.4	87
Gray Reef	1.4	1.4	100	1.5	1.8	1.6	1.8	78
Glendo	167.2	170.8	98	156.9	161.7	180.6	517.5	32
Guernsey	8.4	5.2	162	8.5	6.2	6.5	45.6	18
Total	1751.8	1444.2	121	1233.0	743.5	852.6	2787.8	63

¹ Average is based on the 1980-2009 period.

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



NORTH PLATTE RIVER BASIN RESERVOIR STORAGE OWNERSHIP

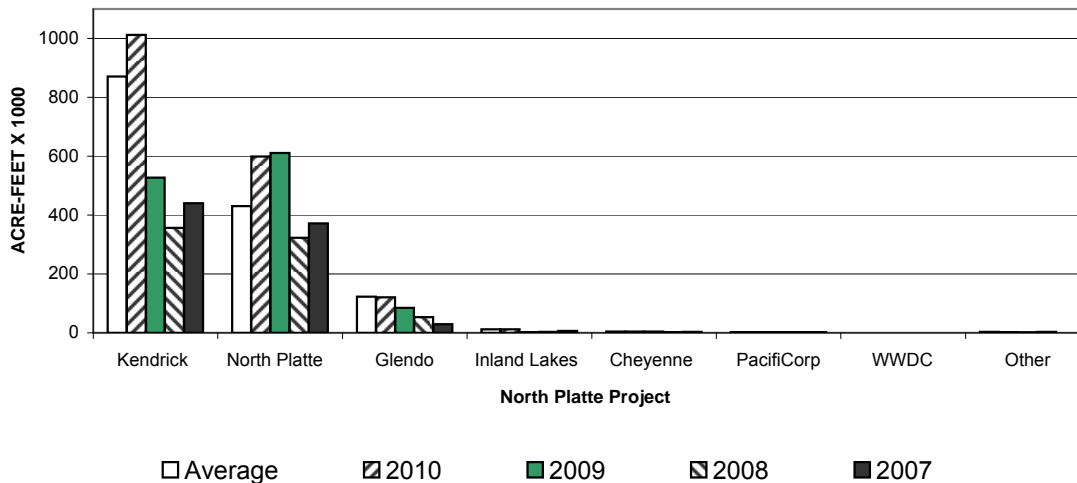
North Platte, Inland Lakes and Kendrick Ownerships were above average for October.

(1000 acre-feet)

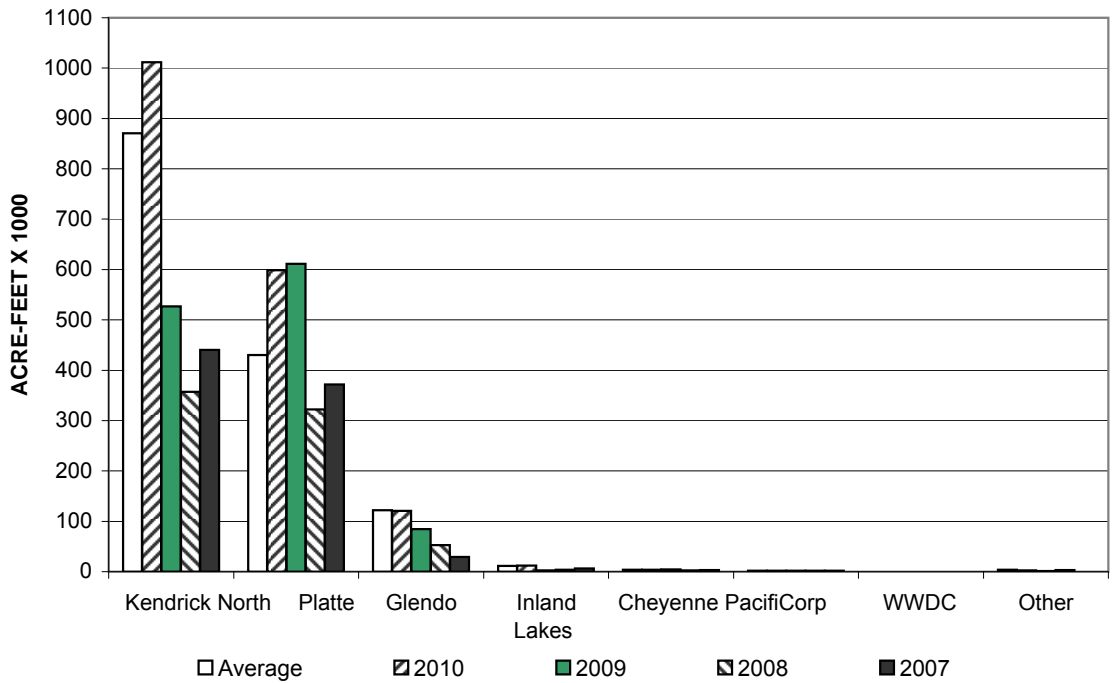
Ownership	Ownership of water End of October			End of October Historical Ownership			Total Storage Capacity	Percent of Capacity
	W. Yr. 2010	30 Yr. Avg. ⁵	% of Avg.	W. Yr. 2009	W. Yr. 2008	W. Yr. 2007		
Kendrick	1011.7	870.8	116	526.8	357.0	440.6	1201.7	84
North Platte ¹	598.6	430.4	139	611.4	322.4	371.6	1062.1	56
Glendo	120.8	122.3	99	84.8	52.8	29.0	183.2	66
Inland Lakes ²	11.9	11.6	103	2.4	3.7	6.1	46.0	26
Cheyenne ³	4.0	4.1 ⁶	98	4.2	2.5	3.3	10.0	40
PacifiCorp ⁴	2.0	1.8	111	2.0	2.0	2.0	2.0	100
WWDC ⁸	0.0	N/A	N/A	0.0	0.0	0.0	N/A	N/A
Other ⁷	2.7	3.5	77	1.5	3.1	0.0	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 1980-2009 period.
- 6 Average is based on the 1982-2009 period.
- 7 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 2009 Natural Flow and Ownership Procedures, the operational account may contain up to 15,000 acre-feet. On October 31, 2009, the Operational account contained 2,730 Acre-feet, the Re-Regulation space contained 0 Acre-feet.

Ownership of Water



**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	789	1,100	72	11,034 ¹
Little Lake Alice	169	145 ⁶	117	1,166 ²
Lake Winters Creek	816	697 ⁶	117	1,746 ³
Lake Minatare	33,111	29,300	113	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. (1980-2009)

6 19 year average. (1991-2009)

NORTH PLATTE RIVER BASIN GROSS GENERATION

The October Power generation was below average for all power plants in the North Platte Basin.

(Energy in giga-watt hours)

Powerplant	October Gross Generation			October Historical Generation			Accumulated Gross Gen. (October)		
	W. Yr. 2010	30 Yr. Avg. ²	% of Avg.	W. Yr. 2009	W. Yr. 2008	W. Yr. 2007	W. Yr. 2010	30 Yr. Avg. ²	% of Avg.
Seminole	4.1	6.8	60	4.7	4.0	3.7	4.1	6.8	60
Kortes	5.0	7.4	68	5.4	5.4	4.9	5.0	7.4	68
Fremont Canyon ¹	0.7	6.9	10	0.3	3.1	0.9	0.7	6.9	10
Alcova	2.6	6.1	43	2.9	4.3	3.1	2.6	6.1	43
Glendo	0.0	0.2	0	0.0	0.0	0.0	0.0	0.2	0
Guernsey	0.0	0.4	0	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 1980-2009 period.

NORTH PLATTE RIVER BASIN GROSS GENERATION October

