

January 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

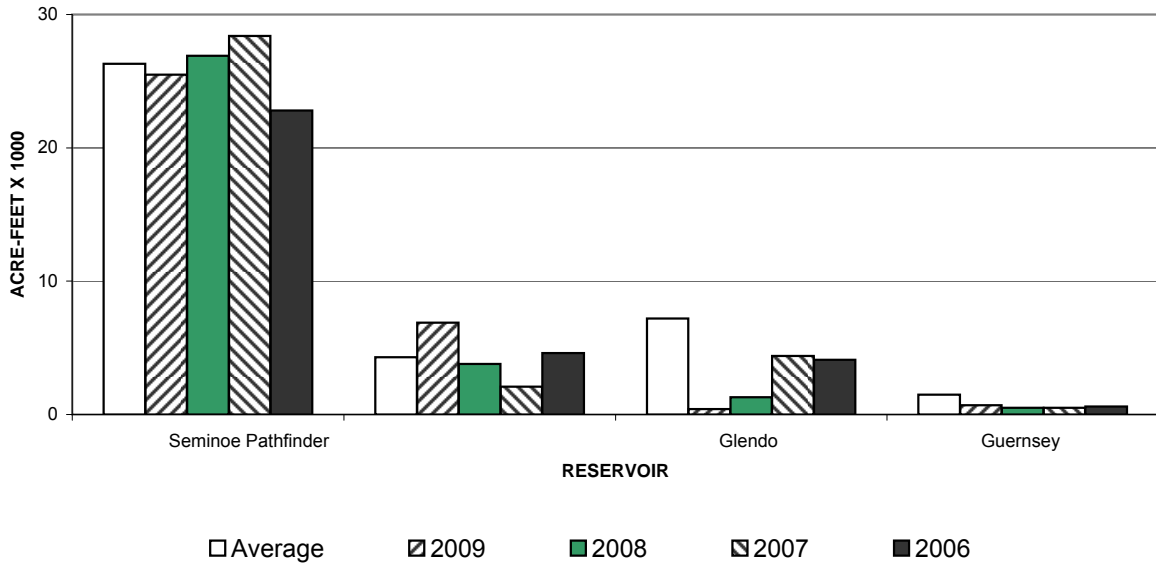
The December inflow was above average for Pathfinder Reservoir.

(1000 acre-feet)

Reservoir	December Inflow			December Historical Inflow			Accumulated Inflow (October - December)		
	W. Yr. 2009	30 Yr. Avg. ⁵	% of Avg.	W. Yr. 2008	W. Yr. 2007	W. Yr. 2006	W. Yr. 2009	30 Yr. Avg. ⁵	% of Avg.
Seminole	25.5	26.3	97	26.9	28.4	22.8	82.2	85.2	96
Pathfinder ^{1,2}	6.9	4.3	160	3.8	2.1	4.6	24.3	14.7	165
Glendo ³	0.4	7.2	6	1.3	4.4	4.1	3.9	31.3	12
Guernsey ⁴	0.7	1.5	47	0.5	0.5	0.6	3.5	5.6	63

- 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. (1979-2008)

**NORTH PLATTE RIVER BASIN
RESERVOIR INFLOW
December**



NORTH PLATTE RIVER BASIN OUTFLOW

The December outflow for Glendo Reservoir was above average.

(1000 acre-feet)

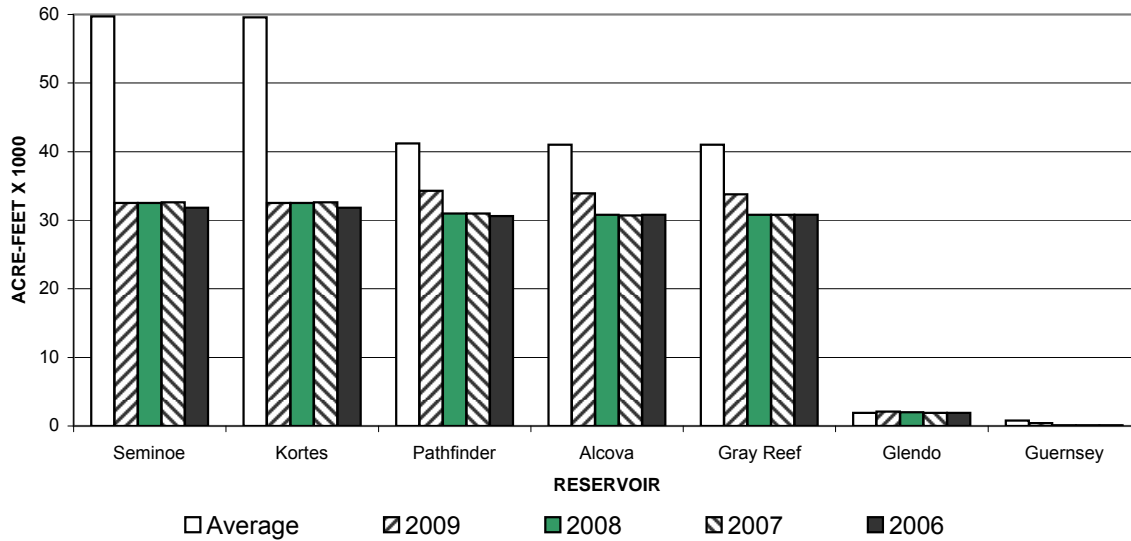
Reservoir	December Outflow			December Historical Outflow			Accumulated Outflow (October - December)		
	W. Yr. 2009	30 Yr. Avg. ²	% of Avg.	W. Yr. 2008	W. Yr. 2007	W. Yr. 2006	W. Yr. 2009	30 Yr. Avg. ²	% of Avg.
Seminoe	32.5	59.7	54	32.5	32.6	31.8	98.4	157.4	63
Kortes	32.5	59.6	55	32.5	32.6	31.8	98.4	157.3	63
Pathfinder	34.3	41.2	83	31.0	31.0	30.6	77.3	113.2	68
Alcova	33.9	41.0	83	30.8	30.7	30.8	100.5	136.3	74
Gray Reef	33.8	41.0	82	30.8	30.8	30.8	100.5	136.2	74
Glendo ¹	2.1	1.9	111	2.0	1.9	1.9	5.4	8.8	61
Guernsey	0.4	0.8	50	0.1	0.1	0.1	0.7	12.9	5

¹ In 1993 an outlet was constructed at Glendo Dam which is used to provide a flow of approximately 25 cubic feet per second, 15 year average (1994-2008).

² 30 year average (1979-2008).

NORTH PLATTE RIVER BASIN RESERVOIR OUTFLOW

December



NORTH PLATTE RIVER BASIN RESERVOIR STORAGE

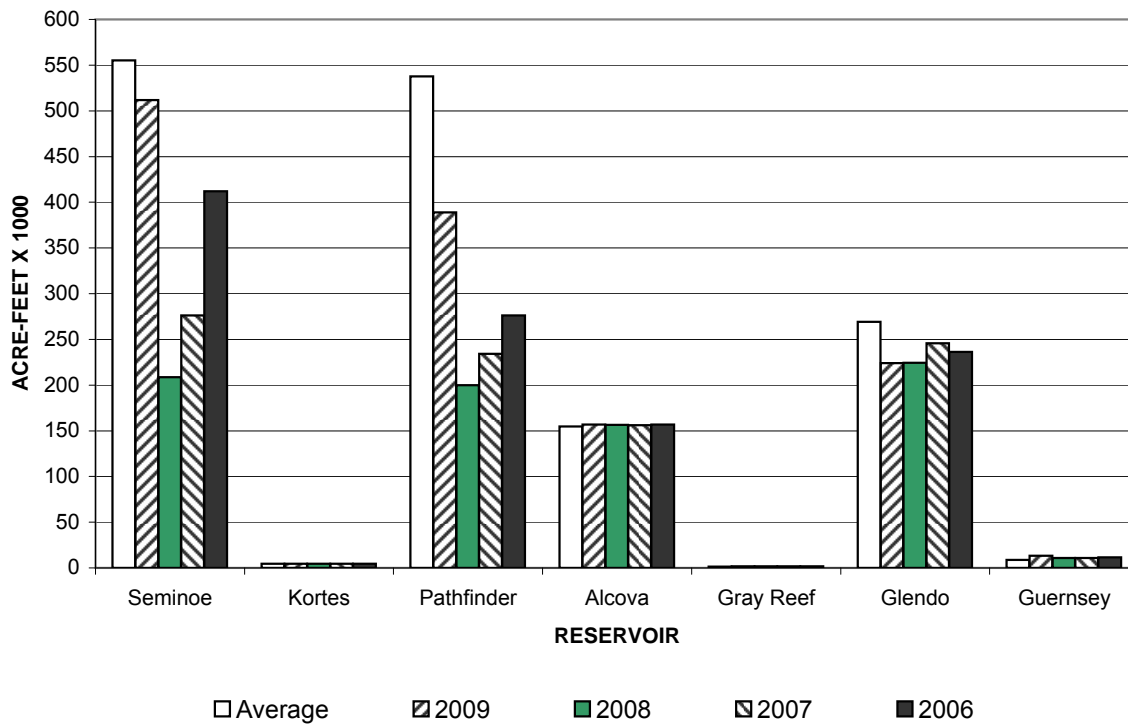
The December storage for the major reservoirs; Seminoe and Pathfinder were below average.

(1000 acre-feet)

Reservoir	Total Storage End of December			End of December Historical Storage			Total Conservation Storage Capacity	Percent of Capacity
	W. Yr. 2009	30 Yr. Avg. ¹	% of Avg.	W. Yr. 2008	W. Yr. 2007	W. Yr. 2006		
Seminoe	511.8	555.2	92	208.5	276.1	412.0	1017.3	50
Kortes	4.7	4.6	102	4.7	4.7	4.7	4.7	100
Pathfinder	388.8	537.7	72	200.0	234.1	276.2	1016.5	38
Alcova	156.8	154.9	101	156.6	156.3	156.7	184.4	85
Gray Reef	1.6	1.4	114	1.6	1.6	1.6	1.8	89
Glendo	224.0	269.1	83	224.3	245.8	236.2	517.5	43
Guernsey	13.4	8.7	154	10.7	10.9	11.6	45.6	29
Total	1301.1	1531.6	85	806.4	929.5	1099.0	2787.8	47

¹ Average is based on the 1979-2008 period.

NORTH PLATTE RIVER BASIN RESERVOIR STORAGE End of December



NORTH PLATTE RIVER BASIN RESERVOIR STORAGE OWNERSHIP

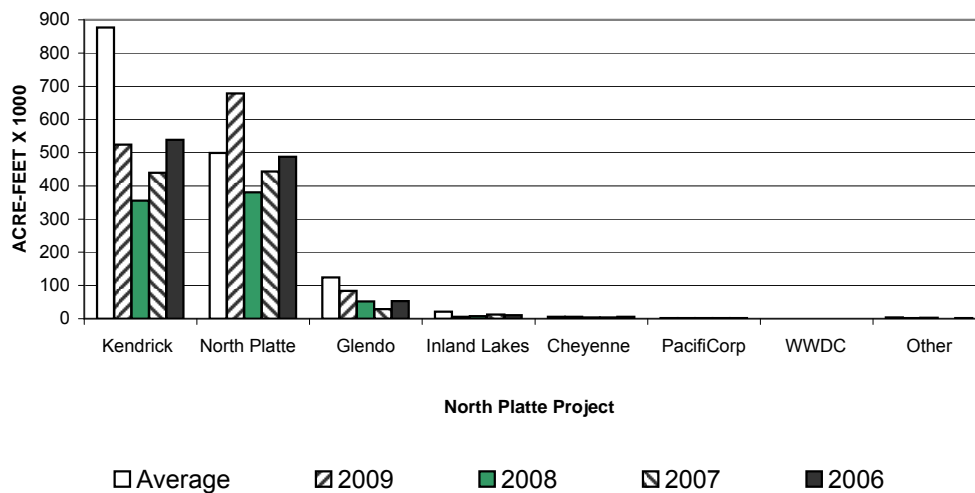
North Platte Ownership was above average for December.
Kendrick Ownership at the end of December was the 4th lowest in the last 30 years.

(1000 acre-feet)

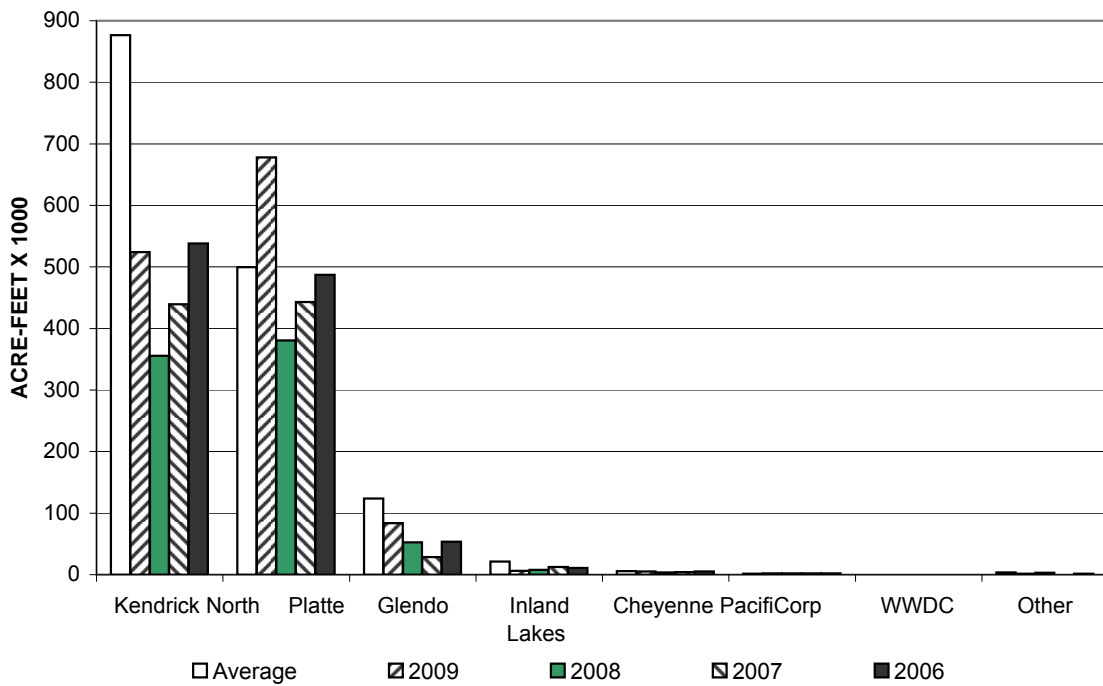
Ownership	Ownership of water End of December			End of December Historical Ownership			Total Storage Capacity	Percent of Capacity
	W. Yr. 2009	30 Yr. Avg. ⁵	% of Avg.	W. Yr. 2008	W. Yr. 2007	W. Yr. 2006		
Kendrick	524.2	876.7	60	355.5	439.5	538.3	1201.7	44
North Platte ¹	678.2	499.6	136	380.5	442.8	487.4	1062.1	64
Glendo	83.9	123.9	68	52.4	28.5	53.4	183.2	46
Inland Lakes ²	6.0	21.3	28	7.7	12.6	10.7	46.0	13
Cheyenne ³	5.3	5.6 ⁶	95	3.5	4.0	5.4	10.0	53
PacifiCorp ⁴	2.0	1.5	133	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	1.5	3.5	43	3.1	0.0	1.7	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 1979-2008 period.
- 6 Average is based on the 1982-2008 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 2008 Natural Flow and Ownership Procedures, the operational account may contain up to 15,000 acre-feet. On December 31, 2008, the Operational account contained 1,522 Acre-feet, the Re-Regulation space contained 0 Acre-feet.

Ownership of Water



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



INLAND LAKES RESERVOIR STORAGE

(acre-feet)

Reservoir	Total Storage End of December	30 Year Average ⁵	Percent of Average	Total Storage Capacity
Lake Alice	392	600	65	11,034 ¹
Little Lake Alice	35	104 ⁶	34	1,166 ²
Lake Winters Creek	452	659 ⁶	69	1,746 ³
Lake Minatare	35,796	28,600	125	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. (1979-2008)

6 17 year average. (1991-2008)

NORTH PLATTE RIVER BASIN GROSS GENERATION

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

(Energy in giga-watt hours)

Powerplant	December Gross Generation			December Historical Generation			Accumulated Gross Gen. (October - December)		
	W. Yr. 2009	30 Yr. Avg. ²	% of Avg.	W. Yr. 2008	W. Yr. 2007	W. Yr. 2006	W. Yr. 2009	30 Yr. Avg. ²	% of Avg.
Seminole	4.3	9.3	46	3.7	3.6	4.0	13.5	24.2	56
Kortes	5.4	10.1	53	5.5	5.0	5.1	16.1	26.1	62
Fremont Canyon ¹	6.1	11.2	54	5.4	5.8	5.5	11.9	29.6	40
Alcova	2.9	4.9	59	3.0	3.0	3.1	8.5	16.4	52
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	0.5	0

1 The powerplant for Pathfinder Dam is Fremont Canyon.

2 Average is based on the 1979-2008 period.

**NORTH PLATTE RIVER BASIN
GROSS GENERATION
December**

