

June 1, 2008
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 May inflows were above average for Seminoe, Glendo and Guernsey Reservoirs.

(1000 acre-feet)

Reservoir	May Inflow			May Historical Inflow			Accumulated Inflow (October - May)		
	W. Yr. 2008	30 Yr. Avg. ⁵	% of Avg.	W. Yr. 2007	W. Yr. 2006	W. Yr. 2005	W. Yr. 2008	30 Yr. Avg. ⁵	% of Avg.
Seminoe	318.6	223.5	143	182.6	221.0	226.9	591.4	519.8	114
Pathfinder ^{1,2}	28.7	31.6	91	11.8	10.2	25.1	56.0	89.9	62
Glendo ³	153.3	64.5	238	66.0	18.3	23.1	183.8	174.0	106
Guernsey ⁴	46.5	9.8	474	9.8	1.7	1.1	50.9	23.8	214

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

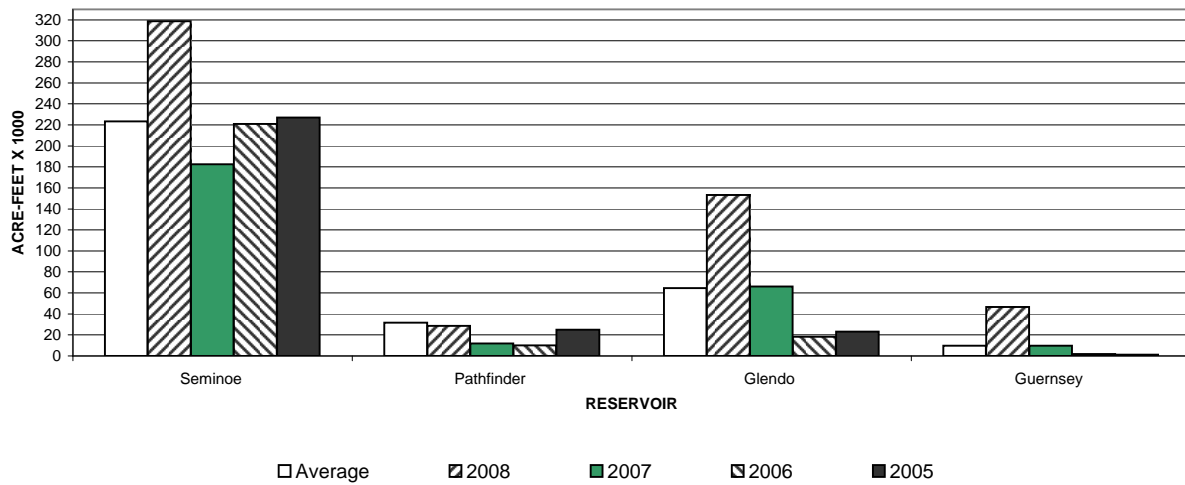
2 River gain between Kortes and Pathfinder Dams.

3 River gain between Pathfinder and Glendo Dams.

4 River gain between Glendo and Guernsey Dams.

5 30 year average. (1978-2007)

**NORTH PLATTE RIVER BASIN
RESERVOIR INFLOW
May**



NORTH PLATTE RIVER BASIN OUTFLOW

The May outflows for All Reservoirs in the North Platte System were above average.

(1000 acre-feet)

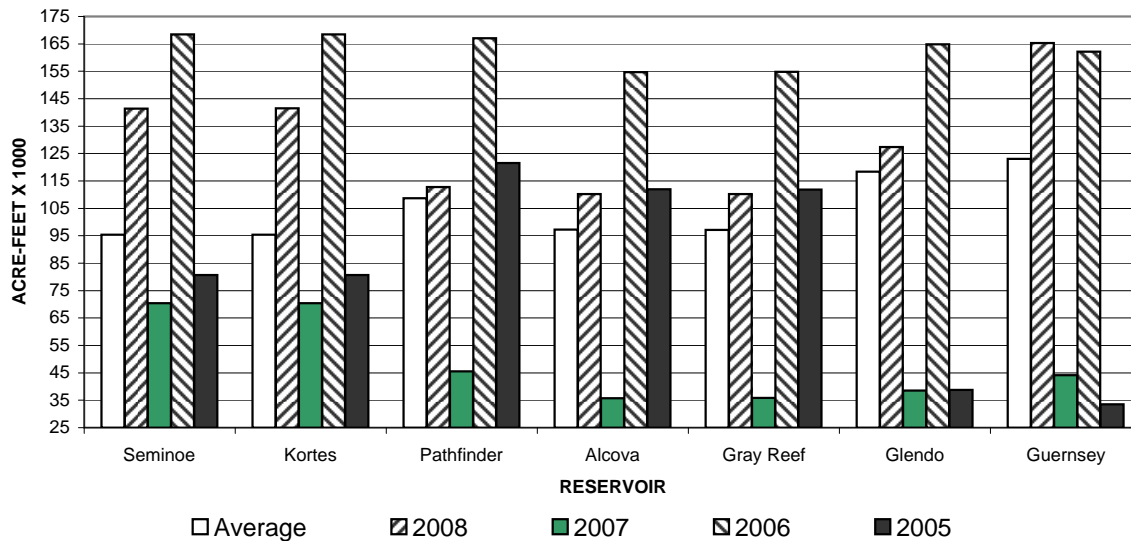
Reservoir	May Outflow			May Historical Outflow			Accumulated Outflow (October - May)		
	W. Yr. 2008	30 Yr. Avg. ²	% of Avg.	W. Yr. 2007	W. Yr. 2006	W. Yr. 2005	W. Yr. 2008	30 Yr. Avg. ²	% of Avg.
Seminole	141.4	95.4	148	70.4	168.5	80.7	414.3	547.4	76
Kortes	141.5	95.4	148	70.4	168.5	80.7	414.2	547.3	76
Pathfinder	112.8	108.7	104	45.6	167.1	121.5	395.9	447.4	88
Alcova	110.2	97.3	113	35.7	154.7	112.0	391.0	433.5	90
Gray Reef	110.2	97.1	113	35.9	154.8	111.9	391.2	433.2	90
Glendo ¹	127.4	118.4	108	38.5	164.8	38.8	161.8	214.4	75
Guernsey	165.3	123.0	134	44.1	162.2	33.5	183.8	209.2	88

¹ In 1993 an outlet was constructed at Glendo Dam which is used to provide a flow of approximately 25 cubic feet per second.

² 30 year average (1978-2007).

NORTH PLATTE RIVER BASIN RESERVOIR OUTFLOW

May



NORTH PLATTE RIVER BASIN RESERVOIR STORAGE

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

(1000 acre-feet)

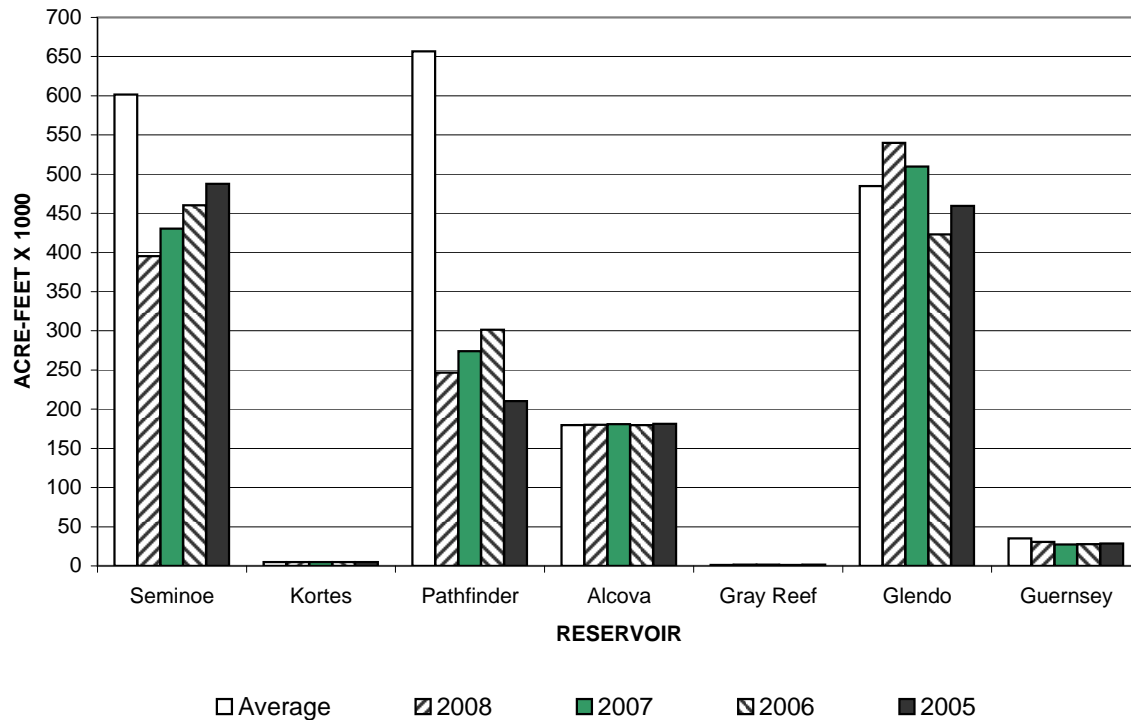
Reservoir	Total Storage End of May			End of May Historical Storage			Total Conservation Storage Capacity	Percent of Capacity
	W. Yr. 2008	30 Yr. Avg. ¹	% of Avg.	W. Yr. 2007	W. Yr. 2006	W. Yr. 2005		
Seminoe	395.4	601.5	66	430.3	460.2	487.7	1017.3	39
Kortes	4.7	4.7	100	4.7	4.7	4.7	4.7	100
Pathfinder	246.8	656.8	38	274.1	301.3	210.3	1016.5	24
Alcova	180.0	179.5	100	180.8	179.6	181.2	184.4	98
Gray Reef	1.6	1.4	114	1.5	1.3	1.6	1.8	89
Glendo	539.8	484.6	111	509.6	423.3	459.6	517.5	104
Guernsey	30.5	35.0	87	27.5	27.8	28.6	45.6	67
Total	1398.8	1963.5	71	1428.5	1398.2	1373.7	2787.8	50

¹ Average is based on the 1978-2007 period.

NORTH PLATTE RIVER BASIN

RESERVOIR STORAGE

End of May



NORTH PLATTE RIVER BASIN RESERVOIR STORAGE OWNERSHIP

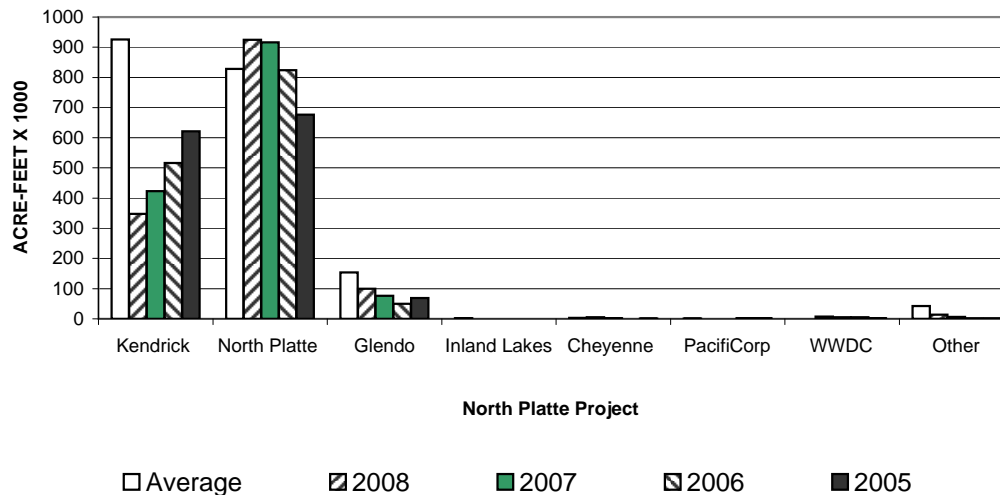
Kendrick ownership was the lowest for the end of May in the last 30 years.
 Glendo ownership at the end of May was the fifth lowest in the last 30 years.

(1000 acre-feet)

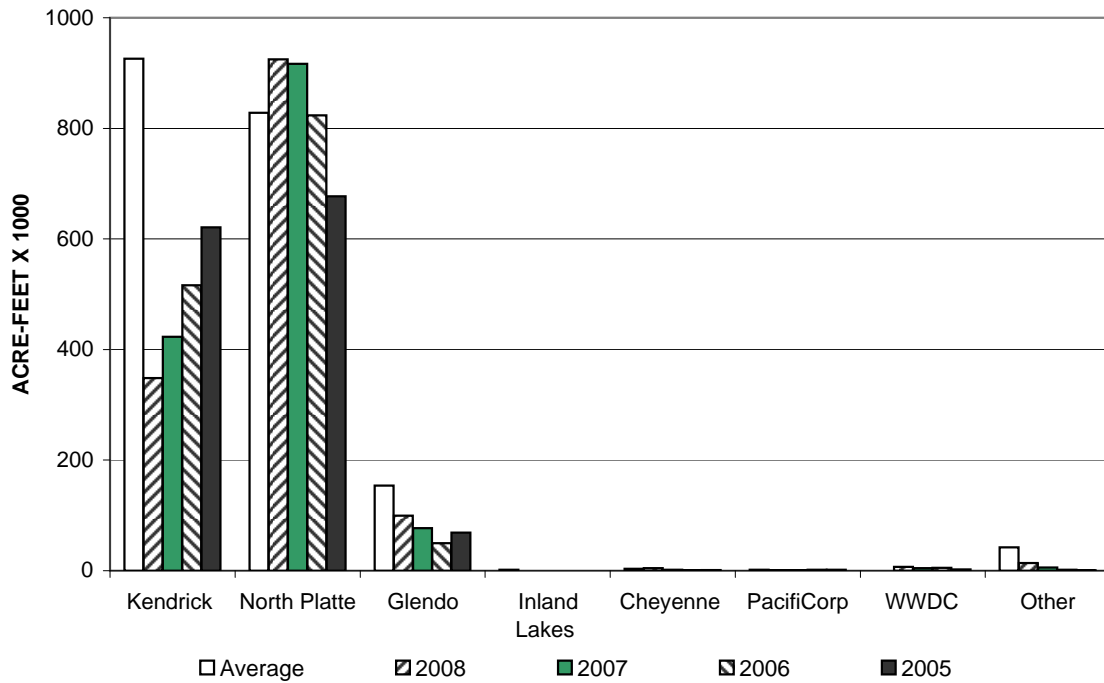
Ownership	Ownership of water End of May			End of May Historical Ownership			Total Storage Capacity	Percent of Capacity
	W. Yr. 2008	30 Yr. Avg. ⁵	% of Avg.	W. Yr. 2007	W. Yr. 2006	W. Yr. 2005		
Kendrick	348.2	926.2	40	422.8	516.3	621.1	1201.7	29
North Platte ¹	924.5	828.2	112	916.6	823.5	677.0	1062.1	87
Glendo	99.6	154.0	65	76.7	49.7	69.1	183.2	54
Inland Lakes ²	0.0	1.7	0	0.0	0.0	0.0	46.0	0
Cheyenne ³	4.9	3.5 ⁶	140	1.6	0.4	1.4	10.0	49
PacifiCorp ⁴	0.4	1.5	27	0.3	2.0	2.0	2.0	20
WWDC ⁸	7.1	N/A	N/A	4.8	5.1	2.4	N/A	N/A
Other ⁷	14.1	42.0	34	6.0	1.5	0.6	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 Pacific Power has a storage contract to store water in Glendo Reservoir for Dave Johnston Powerplant.
- 5 Average is based on the 1978-2007 period.
- 6 Average is based on the 1982-2007 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 2007 Natural Flow and Ownership Procedures, the operational account may contain up to 15,000 acre-feet. On May 31, 2008, the Operational account contained 3,082 Acre-feet, the Re-Regulation space contained 17 Acre-feet, and there was 11,046 Acre-feet of Flood Water.

Ownership of Water



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



INLAND LAKES RESERVOIR STORAGE

(acre-feet)

Reservoir	Total Storage End of May	30 Year Average ⁵	Percent of Average	Total Storage Capacity
Lake Alice	3,631	5,000	73	11,034 ¹
Little Lake Alice	335	305 ⁶	110	1,166 ²
Lake Winters Creek	970	900 ⁶	108	1,746 ³
Lake Minatare	39,424	43,300	91	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. (1978-2007)

6 17 year average. (1991-2007)

NORTH PLATTE RIVER BASIN GROSS GENERATION

Power generation was above average for all powerplants in the North Platte Basin except Fremont Canyon which was about average.

(Energy in giga-watt hours)

Powerplant	May Gross Generation			May Historical Generation			Accumulated Gross Gen. (October - May)		
	W. Yr. 2008	30 Yr. Avg. ²	% of Avg.	W. Yr. 2007	W. Yr. 2006	W. Yr. 2005	W. Yr. 2008	30 Yr. Avg. ²	% of Avg.
Seminole	18.2	13.2	138	9.6	24.7	11.9	50.0	81.6	61
Kortcs	23.0	13.7	168	11.4	29.2	13.5	68.3	89.1	77
Fremont Canyon ¹	25.5	25.8	99	9.9	39.3	28.4	80.7	113.6	71
Alcova	14.9	12.5	119	4.0	21.6	14.9	45.9	54.3	85
Glendo	13.1	12.0	109	3.5	17.5	3.6	14.8	20.1	74
Guernsey	4.5	3.1	145	2.8	4.2	2.1	5.5	6.1	90

¹ The powerplant for Pathfinder Dam is Fremont Canyon.

² Average is based on the 1978-2007 period.

**NORTH PLATTE RIVER BASIN
GROSS GENERATION
May**

