

September 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 August inflows were above average for Seminoe Reservoir.

(1000 acre-feet)

Reservoir	August Inflow			August Historical Inflow			Accumulated Inflow (October - August)		
	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	41.9	35.4	118	27.1	18.1	28.8	1165.8	933.3	125
Pathfinder ^{1,2}	-2.6	8.3	N/A	-3.2	0.0	-3.0	71.4	133.8	53
Glendo ³	-0.6	-0.7	N/A	6.6	0.4	5.8	224.6	194.1	116
Guernsey ⁴	0.4	1.9	21	-1.3	6.0	2.0	57.2	30.7	186

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

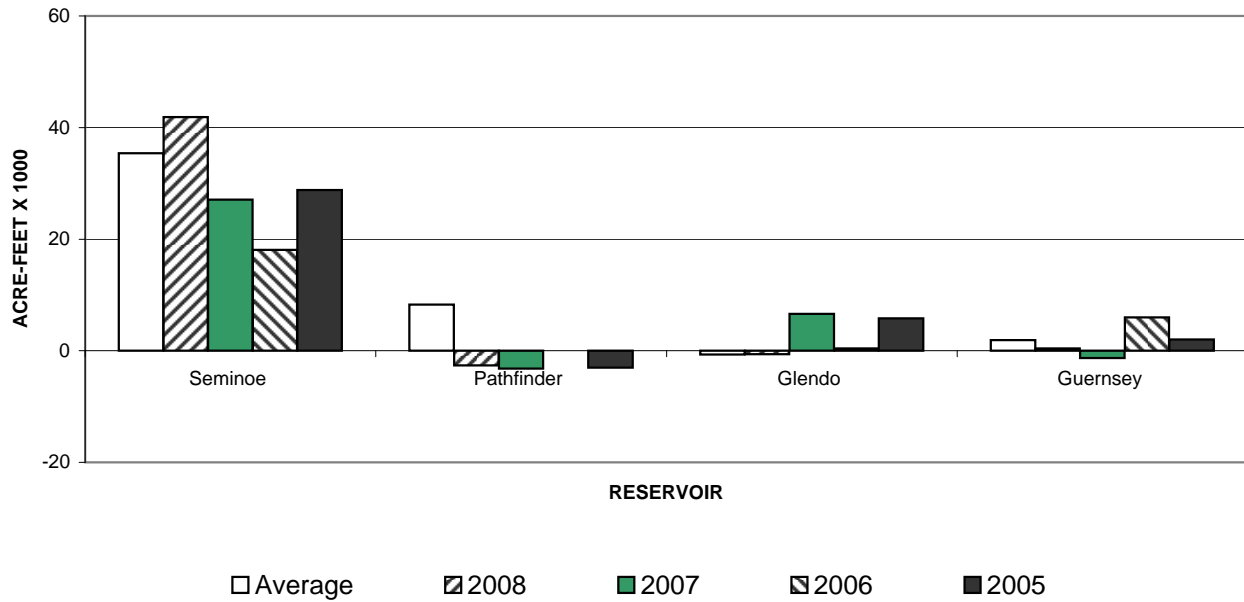
2 River gain between Kortes and Pathfinder Dams.

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
August**



NORTH PLATTE RIVER BASIN OUTFLOW

The August outflows for Seminoe and Kortes Reservoirs were above average.

(1000 acre-feet)

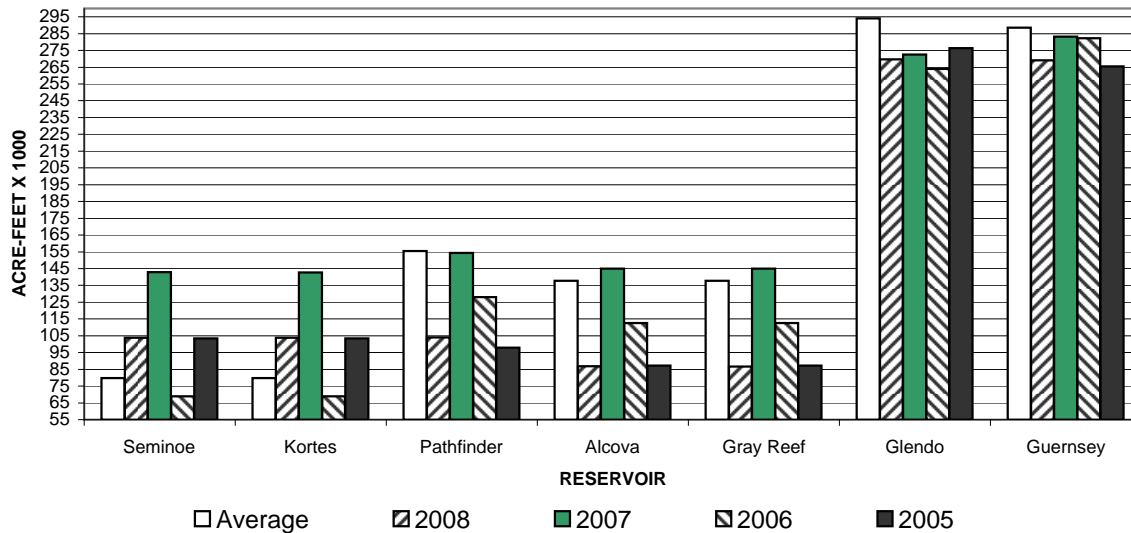
Reservoir	August Outflow			August Historical Outflow			Accumulated Outflow (October - August)		
	W. Yr. 2008	30 Yr. Avg. ²	% of Avg.	W. Yr. 2007	W. Yr. 2006	W. Yr. 2005	W. Yr. 2008	30 Yr. Avg. ²	% of Avg.
Seminoe	103.9	79.8	130	142.8	69.0	103.4	799.7	874.5	91
Kortes	103.9	79.7	130	142.7	68.9	103.4	799.6	874.3	91
Pathfinder	104.0	155.4	67	154.3	128.0	97.9	681.7	930.0	73
Alcova	86.8	137.8	63	144.9	112.5	87.3	629.0	860.4	73
Gray Reef	86.7	137.8	63	145.0	112.5	87.3	628.8	860.0	73
Glendo ¹	269.7	294.1	92	272.5	263.9	276.4	839.1	989.1	85
Guernsey	269.1	288.5	93	283.2	282.2	265.5	867.3	995.2	87

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

August



NORTH PLATTE RIVER BASIN RESERVOIR STORAGE

The August storage for the major reservoirs; Seminoe, Pathfinder, and Glendo was below average.

(1000 acre-feet)

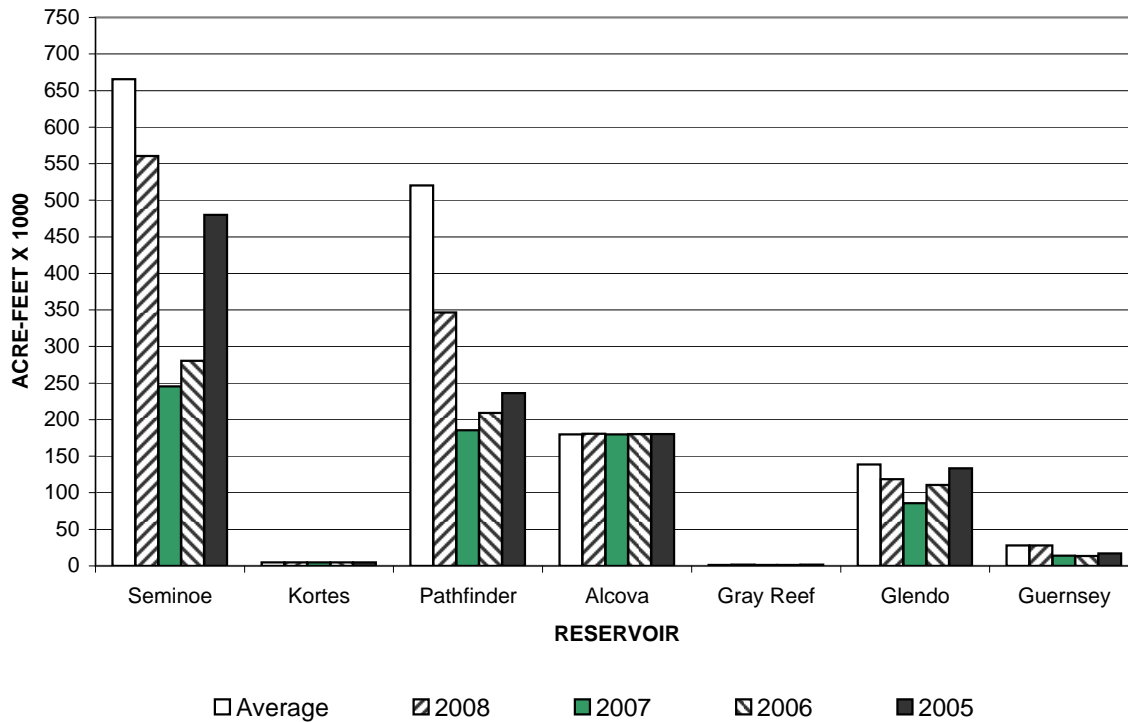
Reservoir	Total Storage End of August			End of August Historical Storage			Total Conservation Storage Capacity	Percent of Capacity
	W. Yr. 2008	30 Yr. Avg. ¹	% of Avg.	W. Yr. 2007	W. Yr. 2006	W. Yr. 2005		
Seminoe	560.7	665.5	84	245.5	280.4	480.2	1017.3	55
Kortes	4.7	4.6	102	4.7	4.7	4.7	4.7	100
Pathfinder	346.6	520.2	67	185.5	209.2	236.5	1016.5	34
Alcova	180.7	180.0	100	180.0	180.1	180.1	184.4	98
Gray Reef	1.8	1.3	138	1.5	1.5	1.6	1.8	100
Glendo	118.5	138.8	85	85.7	110.9	133.4	517.5	23
Guernsey	28.0	28.1	100	14.0	13.6	17.2	45.6	61
Total	1241.0	1538.5	81	716.9	800.4	1053.7	2787.8	45

¹ Average is based on the 1978-2007 period.

NORTH PLATTE RIVER BASIN

RESERVOIR STORAGE

End of August



NORTH PLATTE RIVER BASIN RESERVOIR STORAGE OWNERSHIP

North Platte Ownership was above average for August.
Kendrick Ownership at the end of August was the 5th lowest in the last 30 years.

(1000 acre-feet)

Ownership	Ownership of water End of August			End of August 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	512.9	900.0	57	368.8	452.0	558.1	1201.7	43
North Platte ¹	634.1	489.6	130	286.8	312.7	434.5	1062.1	60
Glendo	88.8	135.7	65	57.7	31.4	55.5	183.2	48
Inland Lakes ²	0.0	0.0	N/A	0.0	0.0	0.0	46.0	0
Cheyenne ³	2.7	3.0 ⁶	90	1.3	2.0	3.0	10.0	27
PacifiCorp ⁴	1.9	1.8	106	1.8	2.0	2.0	2.0	95
WWDC ⁸	0.0	N/A	N/A	0.6	0.7	0.8	N/A	N/A
Other ⁷	0.6	6.9	9	0.0	0.0	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.

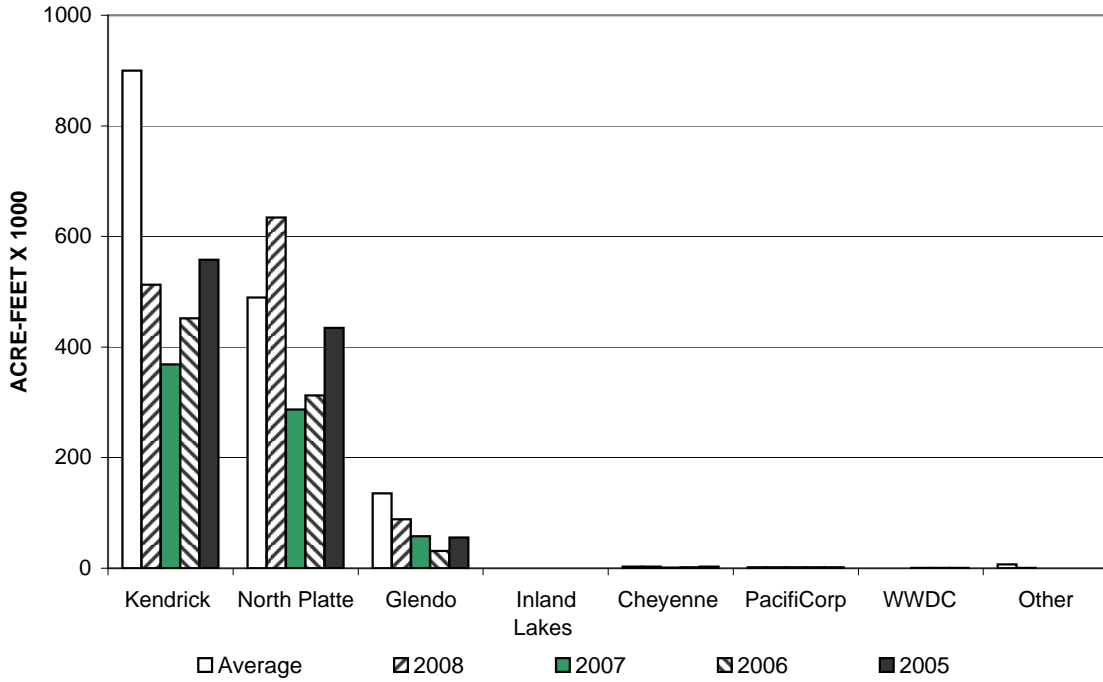
4 Pacific Power has a storage contract to store water in Glendo Reservoir for Dave Johnston Powerplant.

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 June contain up to 15,000 acre-feet. On August 31, 2008, the Operational account contained 565 Acre-feet, the Re-Regulation space contained 0 Acre-feet.

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



INLAND LAKES RESERVOIR STORAGE

(acre-feet)

Reservoir	Total Storage End of August	30 Year Average ⁵	Percent of Average	Total Storage Capacity
Lake Alice	3,919	3,100	126	11,034 ¹
Little Lake Alice	319	317 ⁶	101	1,166 ²
Lake Winters Creek	592	603 ⁶	98	1,746 ³
Lake Minatare	33,179	15,800	210	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 Seminole, Kortess, Glendo and Guernsey in the North Platte Basin.

(Energy in giga-watt hours)

Powerplant	August Gross Generation			August Historical Generation			Accumulated Gross Gen. (October - August)		
	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	15.3	12.0	128	18.6	8.8	15.1	108.5	125.3	87
Kortess	16.7	13.1	127	24.6	11.8	16.7	132.8	133.6	99
Fremont Canyon ¹	26.1	33.3	78	35.2	29.5	22.6	151.2	213.6	71
Alcova	11.6	18.0	64	20.2	15.5	11.9	77.4	106.7	73
Glendo	16.8	16.9	99	14.4	15.7	18.3	65.7	72.3	91
Guernsey	4.2	4.1	102	4.4	4.5	4.3	16.1	15.7	103

1 The powerplant for Pathfinder Dam is Fremont Canyon.

2 Average is based on the 1978-2007 period.

NORTH PLATTE RIVER BASIN GROSS GENERATION August

