

**June 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**

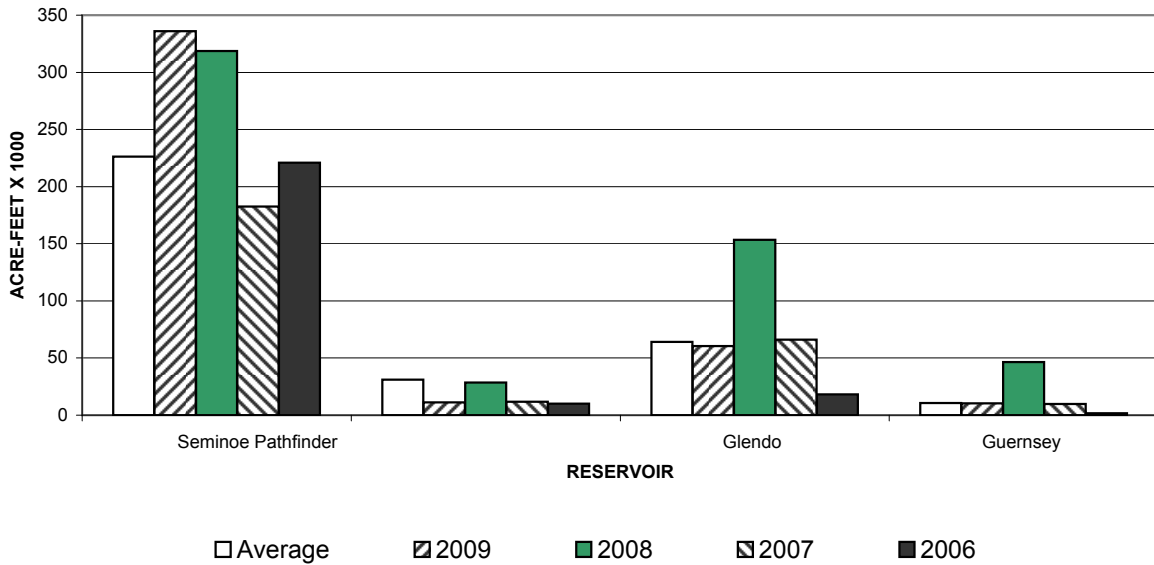
The May inflow was above average for Seminoe Reservoir.

(1000 acre-feet)

Reservoir	May Inflow			May Historical Inflow			Accumulated Inflow (October - May)		
	W. Yr. 2009	30 Yr. Avg. <sup>5</sup>	% of Avg.	W. Yr. 2008	W. Yr. 2007	W. Yr. 2006	W. Yr. 2009	30 Yr. Avg. <sup>5</sup>	% of Avg.
<b>Seminoe 336.1</b>		<b>226.2</b>	<b>149</b>	<b>318.6</b>	<b>182.6</b>	<b>221.0</b>	<b>642.6</b>	<b>523.2</b>	<b>123</b>
Pathfinder <sup>1,2</sup>	11.1	31.0	36	28.7	11.8	10.2	72.7	89.6	81
Glendo <sup>3</sup>	60.4	64.1	94	153.3	66.0	18.3	156.6	172.3	91
Guernsey <sup>4</sup>	10.3	10.7	96	46.5	9.8	1.7	29.4	24.5	120

- 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. (1979-2008)

**NORTH PLATTE RIVER BASIN  
RESERVOIR INFLOW  
May**



### NORTH PLATTE RIVER BASIN OUTFLOW

The May outflow was below average for Pathfinder, Alcova and Gray Reef Reservoirs.

(1000 acre-feet)

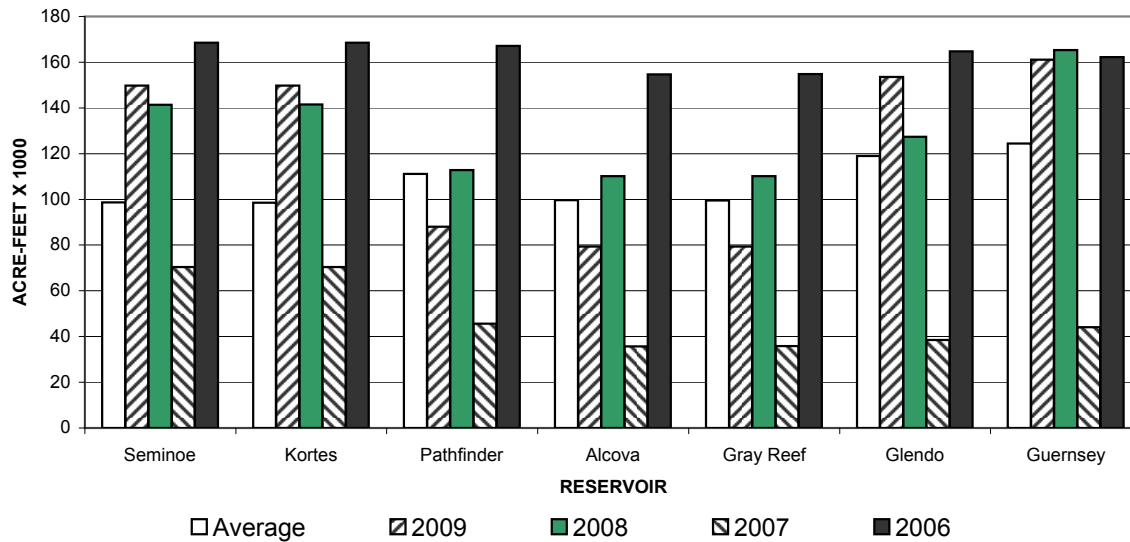
Reservoir	May Outflow			May Historical Outflow			Accumulated Outflow (October - May)		
	W. Yr. 2009	30 Yr. Avg. <sup>2</sup>	% of Avg.	W. Yr. 2008	W. Yr. 2007	W. Yr. 2006	W. Yr. 2009	30 Yr. Avg. <sup>2</sup>	% of Avg.
Seminoe	149.8	98.7	152	141.4	70.4	168.5	444.1	540.0	82
Kortes	149.7	98.6	152	141.5	70.4	168.5	444.1	539.7	82
Pathfinder	88.0	111.2	79	112.8	45.6	167.1	382.1	448.0	85
Alcova	79.4	99.7	80	110.2	35.7	154.7	372.0	434.2	86
Gray Reef	79.4	99.5	80	110.2	35.9	154.8	372.0	434.0	86
Glendo <sup>1</sup>	153.6	119.0	129	127.4	38.5	164.8	179.8	214.5	84
Guernsey	161.1	124.5	129	165.3	44.1	162.2	185.2	209.7	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, 15 year average (1994-2008).

2 30 year average (1979-2008).

### NORTH PLATTE RIVER BASIN RESERVOIR OUTFLOW

May



**NORTH PLATTE RIVER BASIN RESERVOIR STORAGE**

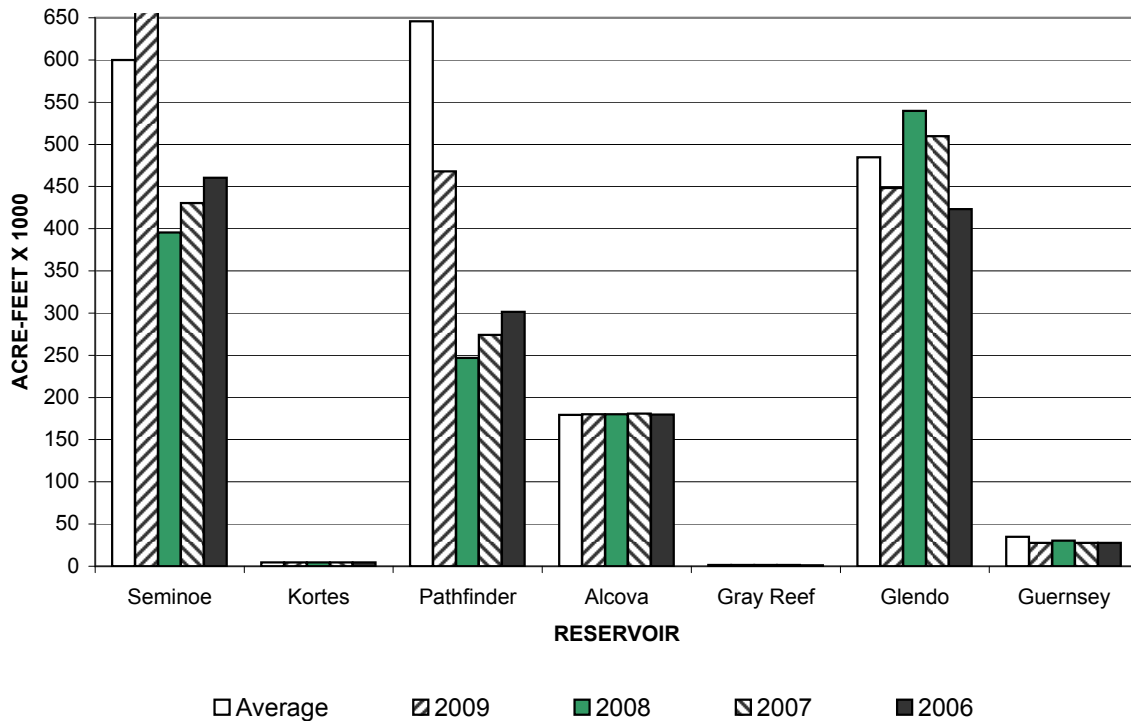
The May storage for Seminoe Reservoir was above average.

(1000 acre-feet)

Reservoir	Total Storage End of May			End of May Historical Storage			Total Conservation Storage Capacity	Percent of Capacity
	W. Yr. 2009	30 Yr. Avg. <sup>1</sup>	% of Avg.	W. Yr. 2008	W. Yr. 2007	W. Yr. 2006		
Seminoe	715.8	600.1	119	395.4	430.3	460.2	1017.3	70
Kortes	4.7	4.7	100	4.7	4.7	4.7	4.7	100
Pathfinder	468.0	645.8	72	246.8	274.1	301.3	1016.5	46
Alcova	180.3	179.5	100	180.0	180.8	179.6	184.4	98
Gray Reef	1.5	1.4	107	1.6	1.5	1.3	1.8	83
Glendo	448.4	484.7	93	539.8	509.6	423.3	517.5	87
Guernsey	27.5	34.8	79	30.5	27.5	27.8	45.6	60
<b>Total</b>	<b>1846.2</b>	<b>1951.0</b>	<b>95</b>	<b>1398.8</b>	<b>1428.5</b>	<b>1398.2</b>	<b>2787.8</b>	<b>66</b>

<sup>1</sup> Average is based on the 1979-2008 period.

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



**NORTH PLATTE RIVER BASIN RESERVOIR STORAGE OWNERSHIP**

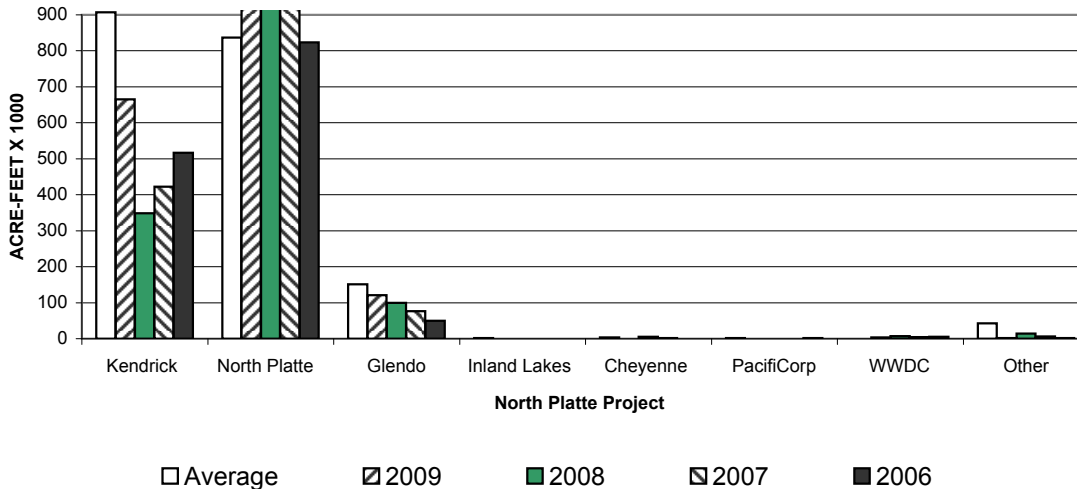
North Platte Ownership was above average for May.

(1000 acre-feet)

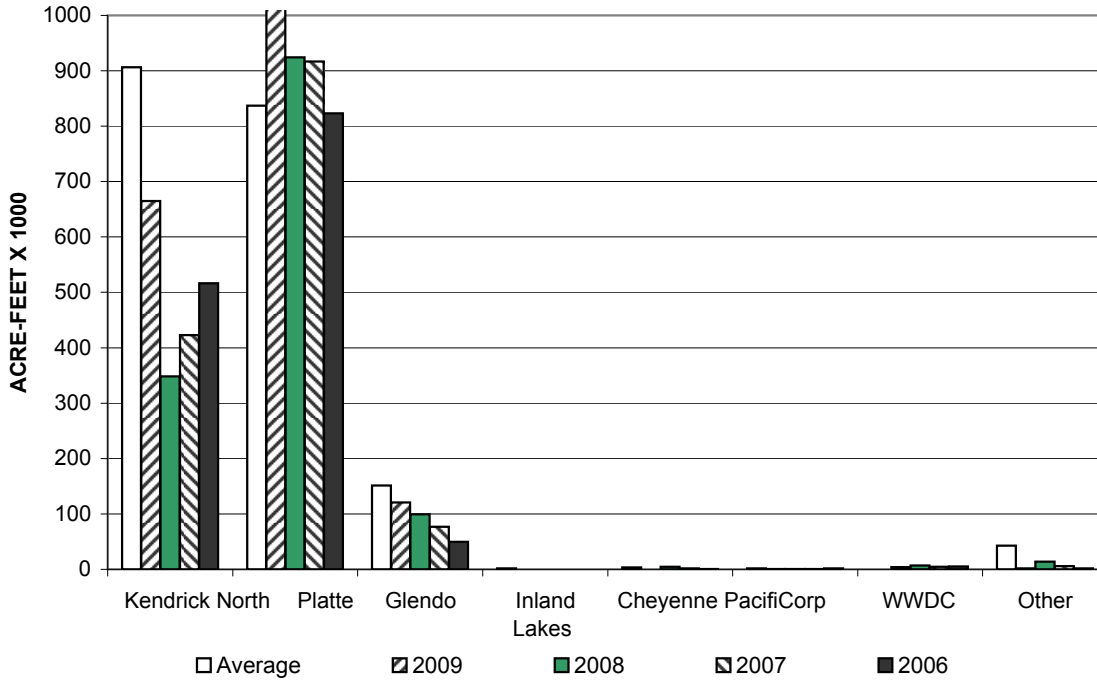
Ownership	Ownership of water End of May			End of May Historical Ownership			Total Storage Capacity	Percent of Capacity
	W. Yr. 2009	30 Yr. Avg. <sup>5</sup>	% of Avg.	W. Yr. 2008	W. Yr. 2007	W. Yr. 2006		
<b>Kendrick 665.2</b>		<b>906.7</b>	<b>73</b>	<b>348.2</b>	<b>422.8</b>	<b>516.3</b>	<b>1201.7</b>	<b>55</b>
<b>North Platte <sup>1</sup></b>	<b>1054.3</b>	<b>836.9</b>	<b>126</b>	<b>924.5</b>	<b>916.6</b>	<b>823.5</b>	<b>1062.1</b>	<b>99</b>
<b>Glendo</b>	<b>120.7</b>	<b>151.6</b>	<b>80</b>	<b>99.6</b>	<b>76.7</b>	<b>49.7</b>	<b>183.2</b>	<b>66</b>
<b>Inland Lakes <sup>2</sup></b>	<b>0.0</b>	<b>1.7</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>46.0</b>	<b>0</b>
<b>Cheyenne <sup>3</sup></b>	<b>0.2</b>	<b>3.6 <sup>6</sup></b>	<b>6</b>	<b>4.9</b>	<b>1.6</b>	<b>0.4</b>	<b>10.0</b>	<b>2</b>
<b>PacifiCorp <sup>4</sup></b>	<b>0.4</b>	<b>1.5</b>	<b>27</b>	<b>0.4</b>	<b>0.3</b>	<b>2.0</b>	<b>2.0</b>	<b>20</b>
<b>WWDC <sup>8</sup></b>	<b>4.0</b>	<b>N/A</b>	<b>N/A</b>	<b>7.1</b>	<b>4.8</b>	<b>5.1</b>	<b>N/A</b>	<b>N/A</b>
<b>Other <sup>7</sup></b>	<b>1.5</b>	<b>42.5</b>	<b>4</b>	<b>14.1</b>	<b>6.0</b>	<b>1.5</b>	<b>N/A</b>	<b>N/A</b>

- 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 May 31, 2009, the Operational account contained 1,493 Acre-feet, the Re-Regulation space contained 0 Acre-feet.

**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 <sup>5</sup>	Percent of Average	Total Storage Capacity
Lake Alice	5,028	5,000	101	11,034 <sup>1</sup>
Little Lake Alice	343	306 <sup>6</sup>	112	1,166 <sup>2</sup>
Lake Winters Creek	1,186	904 <sup>6</sup>	131	1,746 <sup>3</sup>
Lake Minatare	53,944	43,000	125	58,795 <sup>4</sup>

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 18 year average. (1991-2008)

**NORTH PLATTE RIVER BASIN GROSS GENERATION**

Power generation was below average for Fremont Canyon and Alcova power plants in the North Platte Basin.

(Energy in giga-watt hours)

Powerplant	May Gross Generation			May Historical Generation			Accumulated Gross Gen. (October - May)		
	W. Yr. 2009	30 Yr. Avg. <sup>2</sup>	% of Avg.	W. Yr. 2008	W. Yr. 2007	W. Yr. 2006	W. Yr. 2009	30 Yr. Avg. <sup>2</sup>	% of Avg.
Seminole	22.9	13.6	168	18.2	9.6	24.7	64.0	80.4	80
Kortes	26.1	14.2	184	23.0	11.4	29.2	74.7	87.5	85
Fremont Canyon <sup>1</sup>	22.1	26.3	84	25.5	9.9	39.3	82.3	113.0	73
Alcova	10.9	12.9	84	14.9	4.0	21.6	41.8	54.1	77
Glendo	17.2	12.1	142	13.1	3.5	17.5	18.4	20.0	92
Guernsey	4.3	3.1	139	4.5	2.8	4.2	5.5	6.1	90

1 The powerplant for Pathfinder Dam is Fremont Canyon.  
 2 Average is based on the 1979-2008 period.

**NORTH PLATTE RIVER BASIN  
 GROSS GENERATION  
 May**

