

July 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 June inflow was above average for Seminoe and Glendo Reservoirs.

(1000 acre-feet)

Reservoir	June Inflow			June Historical Inflow			Accumulated Inflow (October - June)		
	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</b>	<b>401.5</b>	<b>274.3</b>	<b>146</b>	<b>403.6</b>	<b>111.9</b>	<b>153.8</b>	<b>1044.1</b>	<b>797.5</b>	<b>131</b>
<b>Pathfinder</b> <sup>1,2</sup>	<b>19.4</b>	<b>24.7</b>	<b>79</b>	<b>17.3</b>	<b>4.8</b>	<b>-3.6</b>	<b>92.1</b>	<b>114.3</b>	<b>81</b>
<b>Glendo</b> <sup>3</sup>	<b>26.1</b>	<b>22.4</b>	<b>117</b>	<b>43.0</b>	<b>4.6</b>	<b>-3.8</b>	<b>182.7</b>	<b>194.7</b>	<b>94</b>
<b>Guernsey</b> <sup>4</sup>	<b>3.4</b>	<b>5.0</b>	<b>68</b>	<b>8.0</b>	<b>-2.4</b>	<b>-1.3</b>	<b>32.8</b>	<b>29.5</b>	<b>111</b>

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

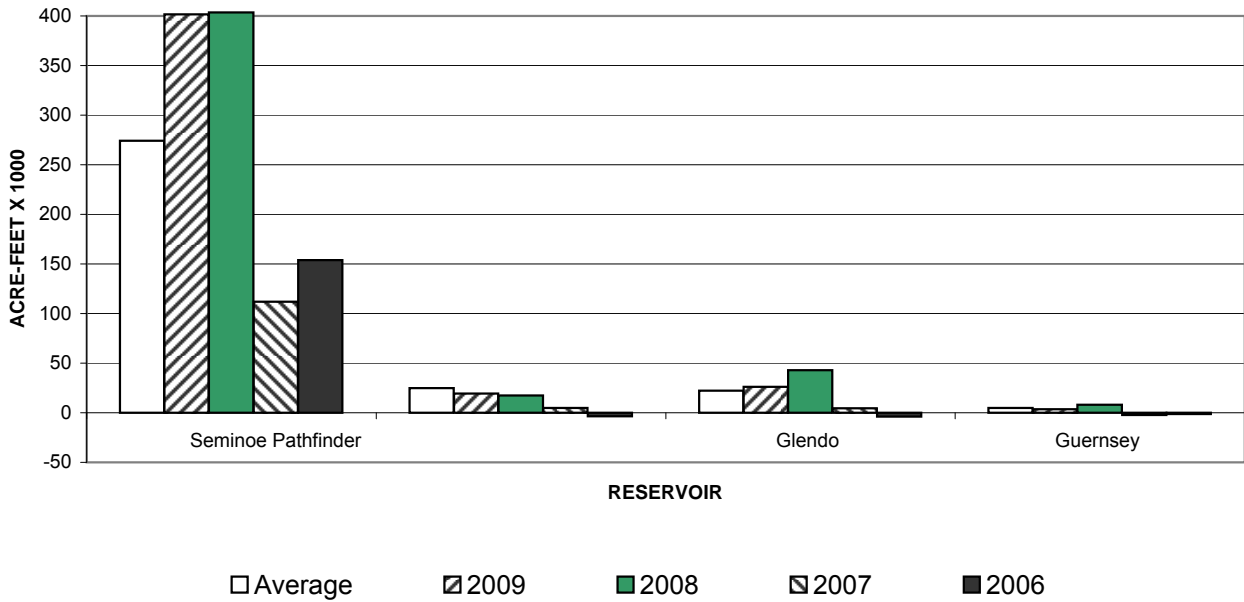
2 River gain between Kortes and Pathfinder Dams.

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  
June**



## NORTH PLATTE RIVER BASIN OUTFLOW

The June outflow was above average for Seminoe and Kortess Reservoirs.

(1000 acre-feet)

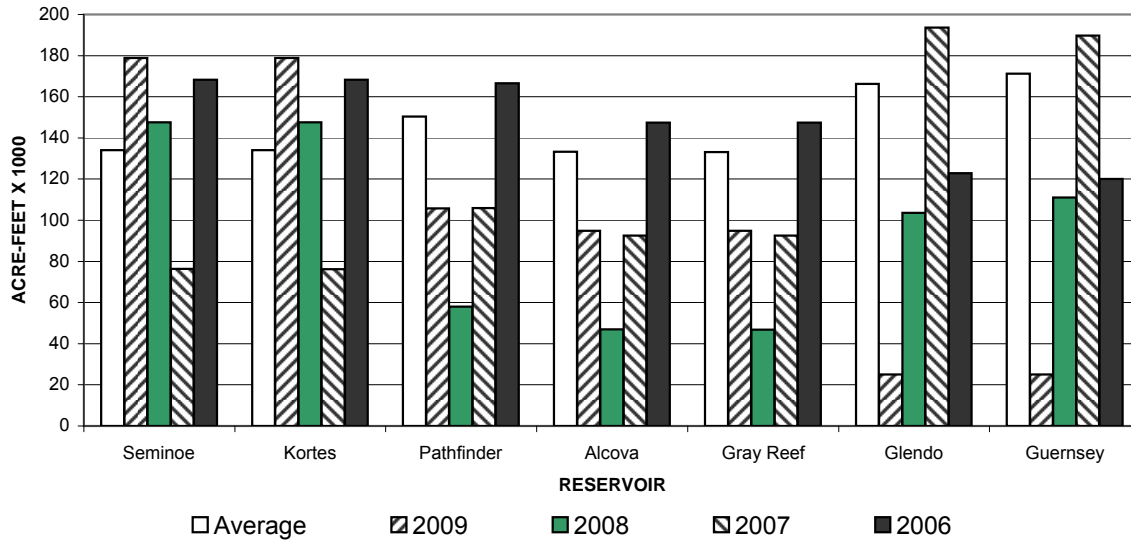
Reservoir	June Outflow			June Historical Outflow			Accumulated Outflow (October - June)		
	W. Yr. 2009	30 Yr. Avg. <sup>2</sup>	% of Avg.	W. Yr. 2008	W. Yr. 2007	W. Yr. 2006	W. Yr. 2009	30 Yr. Avg. <sup>2</sup>	% of Avg.
Seminoe	178.9	134.1	133	147.6	76.3	168.3	623.0	674.1	92
Kortess	178.8	134.1	133	147.6	76.2	168.3	622.9	673.8	92
Pathfinder	105.7	150.4	70	58.0	105.9	166.6	487.8	598.4	82
Alcova	94.9	133.3	71	47.0	92.6	147.4	466.9	567.5	82
Gray Reef	94.8	133.2	71	46.8	92.6	147.5	466.8	567.2	82
Glendo <sup>1</sup>	25.1	166.2	15	103.5	193.7	122.8	204.9	380.7	54
Guernsey	25.0	171.2	15	111.1	189.8	120.1	210.2	380.9	55

<sup>1</sup> 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).

<sup>2</sup> 30 year average (1979-2008).

### NORTH PLATTE RIVER BASIN RESERVOIR OUTFLOW

June



**NORTH PLATTE RIVER BASIN RESERVOIR STORAGE**

The June storage for Pathfinder and Guernsey Reservoirs was below average.

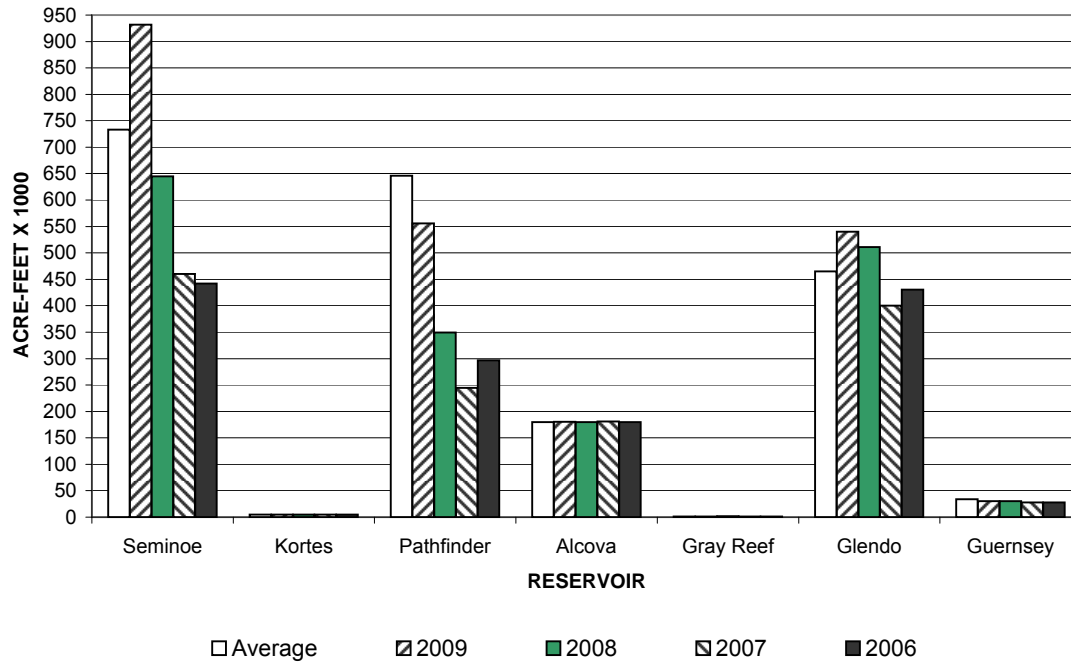
The total storage of the North Platte System for the end of June was above average for the first time since water year 2000.

(1000 acre-feet)

Reservoir	Total Storage End of June			End of June 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		
Seminole	932.1	733.3	127	645.1	460.0	441.7	1017.3	92
Kortes	4.9	4.7	104	4.7	4.7	4.7	4.7	104
Pathfinder	556.0	646.1	86	349.5	244.9	296.4	1016.5	55
Alcova	180.6	180.0	100	179.8	180.9	179.9	184.4	98
Gray Reef	1.4	1.3	108	1.7	1.5	1.2	1.8	78
Glendo	540.2	465.0	116	510.8	400.5	430.4	517.5	104
Guernsey	30.2	33.7	90	30.0	27.8	28.0	45.6	66
<b>Total</b>	<b>2245.4</b>	<b>2064.1</b>	<b>109</b>	<b>1721.6</b>	<b>1320.3</b>	<b>1382.3</b>	<b>2787.8</b>	<b>81</b>

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

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



## NORTH PLATTE RIVER BASIN RESERVOIR STORAGE OWNERSHIP

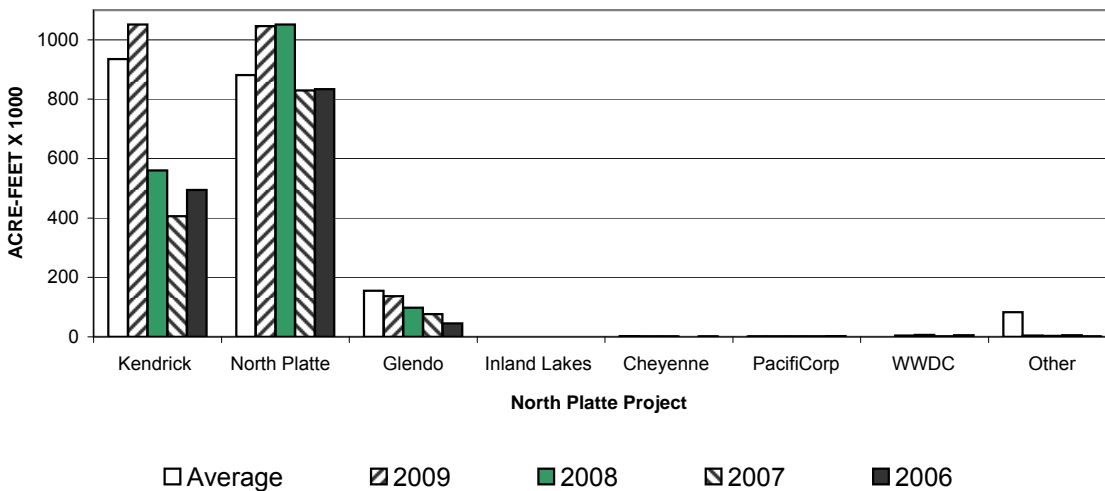
North Platte and Kendrick Ownerships were above average for June.

(1000 acre-feet)

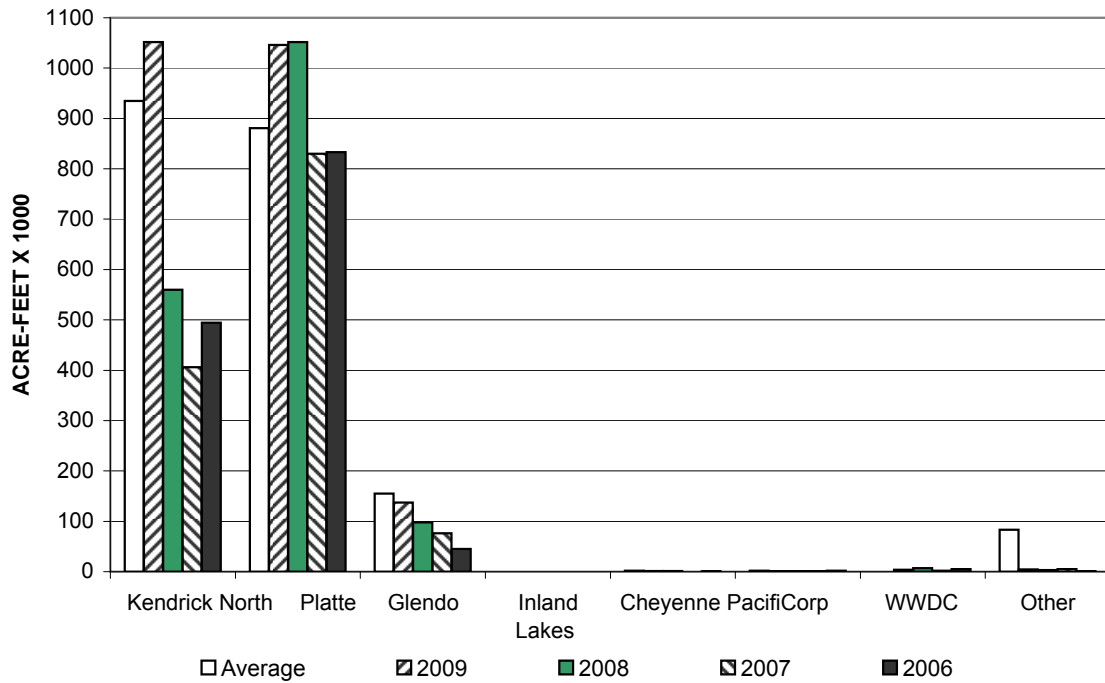
Ownership	Ownership of water End of June			End of June Historical Ownership			Total Storage Capacity	Percent of Capacity
	W. Yr. 2009	30 Yr. Avg. <sup>5</sup>	% of Avg.	W. Yr. 2008	W. Yr. 2007	W. Yr. 2006		
<b>Kendrick</b>	<b>1051.9</b>	<b>934.7</b>	<b>113</b>	<b>560.0</b>	<b>406.1</b>	<b>494.6</b>	<b>1201.7</b>	<b>88</b>
<b>North Platte</b> <sup>1</sup>	<b>1046.0</b>	<b>881.0</b>	<b>119</b>	<b>1051.7</b>	<b>830.1</b>	<b>833.4</b>	<b>1062.1</b>	<b>98</b>
<b>Glendo</b>	<b>137.3</b>	<b>155.0</b>	<b>89</b>	<b>98.0</b>	<b>76.5</b>	<b>45.4</b>	<b>183.2</b>	<b>75</b>
<b>Inland Lakes</b> <sup>2</sup>	<b>0.0</b>	<b>0.0</b>	<b>N/A</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>46.0</b>	<b>0</b>
<b>Cheyenne</b> <sup>3</sup>	<b>1.2</b>	<b>1.7</b> <sup>6</sup>	<b>71</b>	<b>1.1</b>	<b>0.2</b>	<b>0.9</b>	<b>10.0</b>	<b>12</b>
<b>PacifiCorp</b> <sup>4</sup>	<b>0.9</b>	<b>1.6</b>	<b>56</b>	<b>0.8</b>	<b>0.7</b>	<b>2.0</b>	<b>2.0</b>	<b>45</b>
<b>WWDC</b> <sup>8</sup>	<b>3.8</b>	<b>N/A</b>	<b>N/A</b>	<b>6.9</b>	<b>1.6</b>	<b>4.9</b>	<b>N/A</b>	<b>N/A</b>
<b>Other</b> <sup>7</sup>	<b>4.4</b>	<b>83.4</b>	<b>5</b>	<b>3.1</b>	<b>5.1</b>	<b>0.9</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 Seminole 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 2009 Natural Flow and Ownership Procedures, the operational account June contain up to 15,000 acre-feet. On June 30, 2009, the Operational account contained 4,369 Acre-feet, the Re-Regulation space contained 0 Acre-feet.

### Ownership of Water



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



**INLAND LAKES RESERVOIR STORAGE**

( acre-feet)

Reservoir	Total Storage End of June	30 Year Average <sup>5</sup>	Percent of Average	Total Storage Capacity
Lake Alice	4,404	7,000	63	11,034 <sup>1</sup>
Little Lake Alice	338	311 <sup>6</sup>	109	1,166 <sup>2</sup>
Lake Winters Creek	1,159	910 <sup>6</sup>	127	1,746 <sup>3</sup>
Lake Minatare	53,757	46,600	115	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 above average for Seminole and Kortees power plants in the North Platte Basin.

(Energy in giga-watt hours)

Powerplant	June Gross Generation			June Historical Generation			Accumulated Gross Gen. (October - June)		
	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	29.7	16.5	180	22.1	11.4	24.7	93.7	96.9	97
Kortees	27.1	16.0	169	25.1	13.1	28.3	101.8	103.5	98
Fremont Canyon <sup>1</sup>	26.6	30.9	86	13.3	24.6	38.3	108.9	143.9	76
Alcova	13.5	15.5	87	5.9	12.6	20.5	55.3	69.6	79
Glendo	2.6	14.4	18	10.9	17.1	11.2	21.0	34.4	61
Guernsey	1.4	3.5	40	4.2	3.9	2.7	6.9	9.6	72

1 The powerplant for Pathfinder Dam is Fremont Canyon.

2 Average is based on the 1979-2008 period.

### NORTH PLATTE RIVER BASIN GROSS GENERATION June

