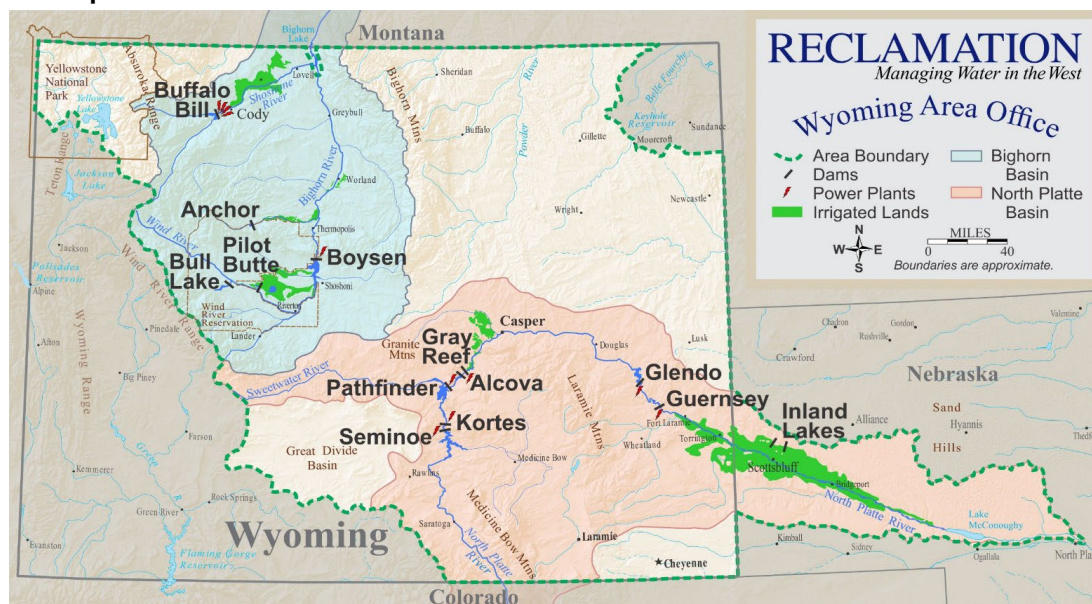




# BUREAU OF RECLAMATION

## North Platte River Basin Water Supply and Utilization Report Wyoming Area Office Report for June 2023



The Wyoming Area Office of the Bureau of Reclamation is responsible for the operation of Reclamation reservoirs in Wyoming east of the Continental Divide except for Keyhole Reservoir. Four off-stream reservoirs in Nebraska commonly referred to as the Inland Lakes also fall within the Wyoming Area. The North Platte River Basin Reservoirs have a combined storage capacity of 2,800,000 acre-feet. The major reservoirs in the Shoshone and Wind/Bighorn Basins have a combined storage capacity of 1,600,000 acre-feet.

**Report for June 2023**  
**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 River Basins.**

**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 Missouri Basin and Arkansas Great Plains Home Page at <http://www.usbr.gov/gp>**
- 2. Select Water Operations.**
- 3. Select Water Management Information.**
- 4. Select Water Supply Report.**
- 5. Under North Platte River Basin, select the current report or reports from the previous 12 months.**

## NORTH PLATTE RIVER BASIN INFLOW

June Inflow and Historical Inflows, values in 1,000 acre-feet

Reservoir	W. Yr. 2023	30 Yr. Avg. <sup>5</sup>	% of Avg.	W. Yr. 2022	W. Yr. 2021	W. Yr. 2020
Seminole	319.9	287.7	111%	197.3	106.8	219.9
<sup>1,2</sup> Pathfinder	37.6	18.6	203%	-3.0	-9.4	-5.2
<sup>3</sup> Glendo	58.9	25.7	229%	13.9	4.0	8.3
<sup>4</sup> Guernsey	6.7	2.4	274%	-4.9	0.6	1.4
<b>System Total</b>	<b>423.0</b>	<b>334.4</b>	<b>126%</b>	<b>203.3</b>	<b>102.0</b>	<b>224.4</b>

<sup>1</sup> It is assumed that there is no gain between Seminole and Kortes Dams.

<sup>2</sup> River gain between Kortes and Pathfinder Dams.

<sup>3</sup> River gain between Pathfinder and Glendo Dams.

<sup>4</sup> River gain between Glendo and Guernsey Dams.

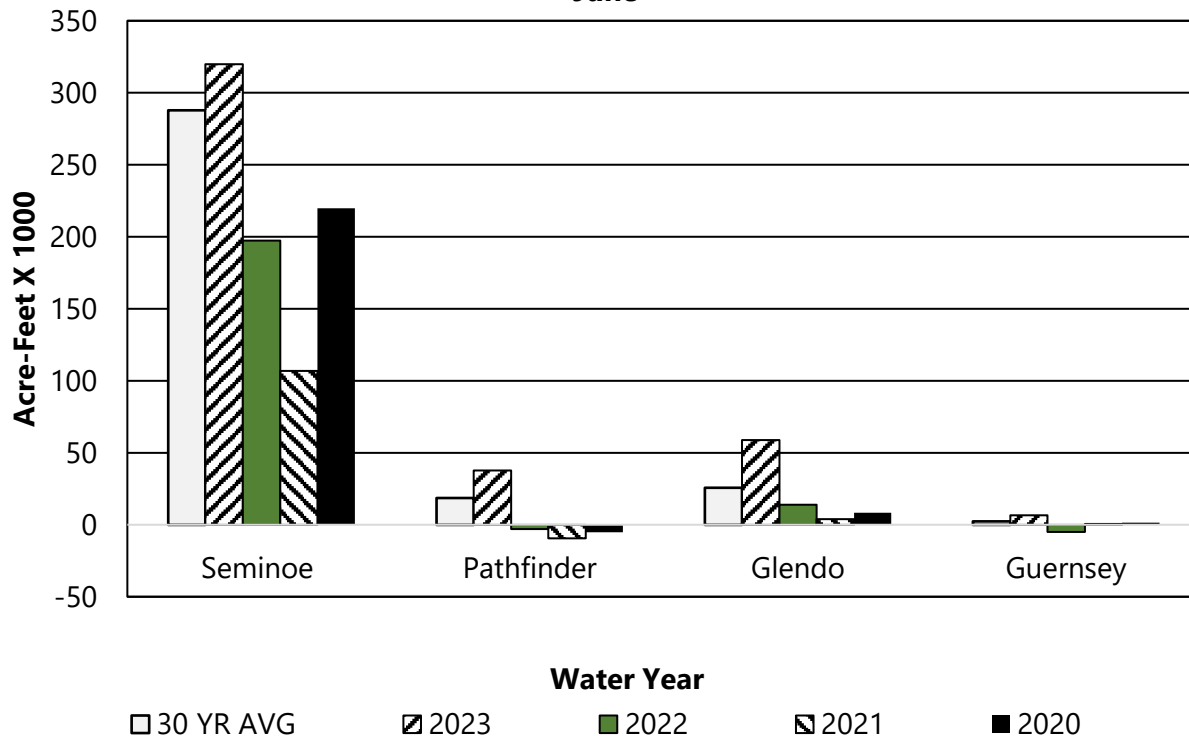
<sup>5</sup> 30 year average. (1993-2022)

June Accumulated Water Year Inflows

Reservoir	W. Yr. 2023	30 Yr. Avg.	% of Avg.
Seminole	1029.4	814.6	126%
Pathfinder	129.8	94.0	138%
Glendo	262.2	209.1	125%
Guernsey	22.6	32.8	99%
<b>System Total</b>	<b>1444.0</b>	<b>1150.5</b>	<b>126%</b>

## NORTH PLATTE RIVER BASIN RESERVOIR INFLOW

June



## NORTH PLATTE RIVER BASIN OUTFLOW

June Outflow and Historical Outflows, values in 1,000 acre-feet

Reservoir	W. Yr. 2023	30 Yr. Avg. <sup>2</sup>	% of Avg.	W. Yr. 2022	W. Yr. 2021	W. Yr. 2020
Seminole	164.0	175.3	94%	89.8	139.1	143.0
Kortes	163.8	175.2	93%	89.7	139.0	142.9
Pathfinder	76.4	171.2	45%	134.8	137.4	234.4
Alcova	68.4	156.5	44%	118.1	117.8	214.3
Gray Reef	68.5	156.4	44%	118.1	117.8	214.2
<sup>1</sup> Glendo	72.4	180.4	40%	146.3	153.9	199.0
Guernsey	78.4	180.2	44%	142.0	152.9	199.0

1. In 1993 an outlet was constructed at Glendo Dam which is used to provide a flow of approximately 25 cubic feet per second, 29 year average (1994-2022)

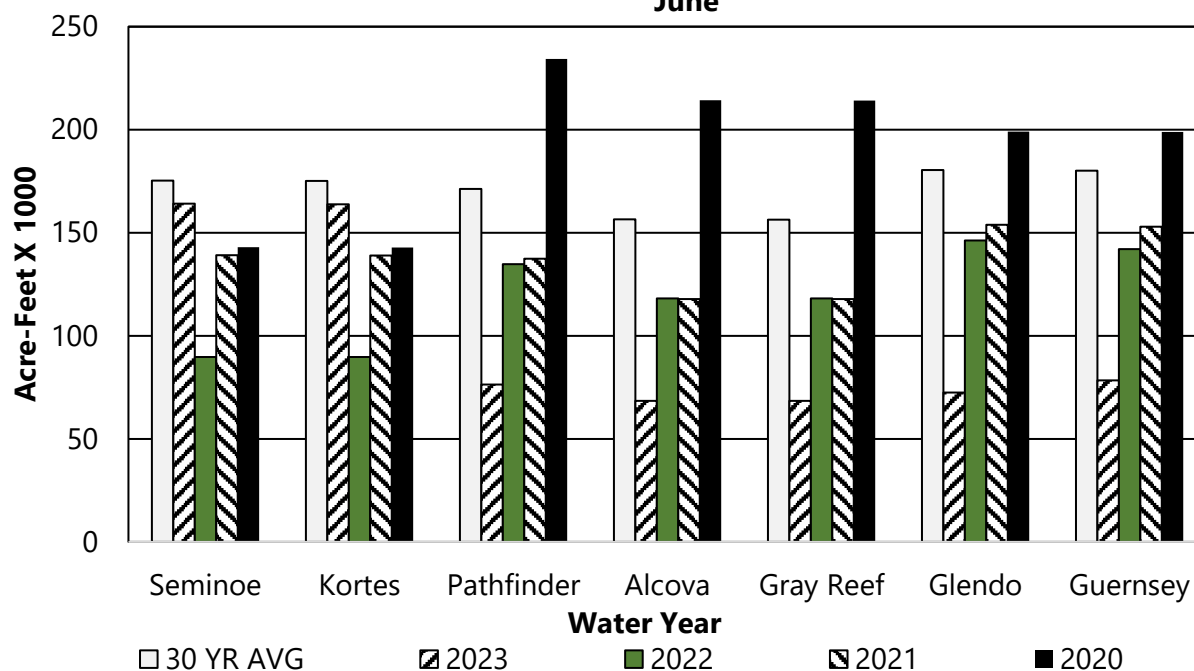
2. 30 year average is based on the 1993- 2022 period.

June Accumulated Water Year Outflows

Reservoir	W. Yr. 2023	30 Yr. Avg. <sup>2</sup>	% of Avg.
Seminole	633.9	658.5	96%
Kortes	633.6	658.3	96%
Pathfinder	376.0	572.6	66%
Alcova	359.6	545.7	66%
Gray Reef	359.2	545.4	66%
Glendo	221.9	388.8	57%
Guernsey	217.6	387.6	56%

## NORTH PLATTE RIVER BASIN RESERVOIR OUTFLOW

June



## NORTH PLATTE RIVER BASIN RESERVOIR STORAGE

June

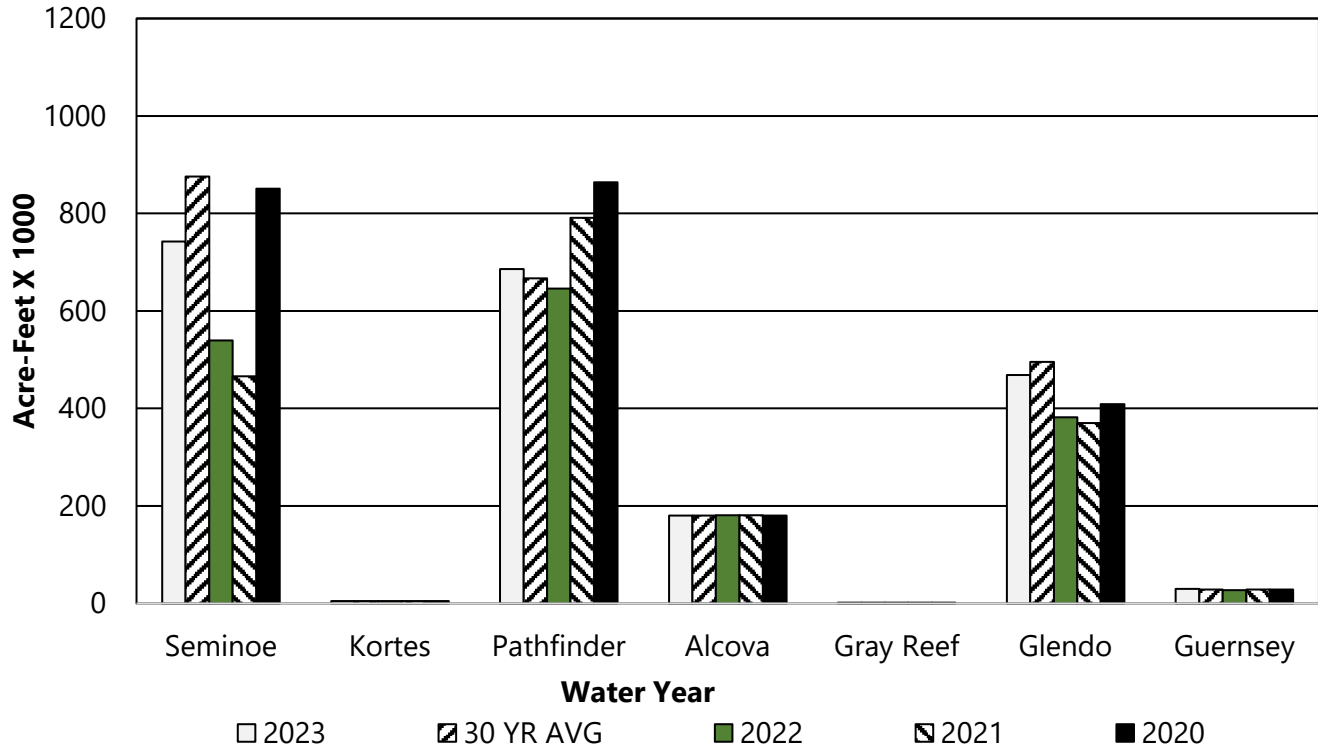
Storage, Historical Storage, and Storage Capacity

Reservoir	W. Yr. 2023	30 Yr. Avg.	% of Avg.	W. Yr. 2022	W. Yr. 2021	W. Yr. 2020	Total Conservation Storage Capacity	Percent of Capacity
Seminole	875.5	742.2	118%	539.3	465.9	850.9	1017.3	86%
Kortes	4.9	4.8	102%	4.7	4.7	4.7	4.7	104%
Pathfinder	667.2	686.3	97%	645.6	791.3	863.7	1070.0	62%
Alcova	180.4	180.6	100%	180.8	180.9	180.1	184.4	98%
Gray Reef	1.4	1.5	93%	1.6	1.7	1.7	1.8	78%
Glendo	495.3	468.3	106%	381.6	369.9	408.6	492.0	101%
Guernsey	28.3	30.1	94%	27.3	28.3	28.4	45.6	62%
<b>Total</b>	<b>2253.0</b>	<b>2113.8</b>	<b>107%</b>	<b>1781.0</b>	<b>1842.7</b>	<b>2338.0</b>	<b>2815.8</b>	<b>80%</b>

1 Average is based on the 1993-2022 period.

## NORTH PLATTE RIVER BASIN RESERVOIR STORAGE

June



## NORTH PLATTE RIVER BASIN RESERVOIR STORAGE OWNERSHIP

June Storage, Historical Storage, and Storage Capacity

Reservoir	W. Yr. 2023	30 Yr. Avg.	% of Avg.	W. Yr. 2022	W. Yr. 2021	W. Yr. 2020	Total Conservation Storage Capacity	Percent of Capacity
<b>Kendrick</b>	966.8	936.7	103%	901.4	1017.0	1139.2	1201.7	80%
<sup>1</sup> <b>North Platte</b>	1098.1	913.5	120%	712.6	638.7	1016.1	1115.6	98%
<b>Glendo</b>	168.2	152.4	110%	156.2	166.1	161.8	171.7	98%
<sup>2</sup> <b>Inland Lakes</b>	0.0	0.0	N/A	0.0	0.0	0.0	46.0	0%
<sup>3,7</sup> <b>Cheyenne</b>	5.0	2.0	250%	6.0	5.5	5.9	15.7	32%
<sup>4</sup> <b>PacifiCorp</b>	2.0	1.8	111%	2.0	2.0	2.0	2.0	100%
<sup>6</sup> <b>Other</b>	12.9	106.8	12%	2.9	13.4	13.1	N/A	N/A

<sup>1</sup> This includes North Platte Guernsey and North Platte Pathfinder.

<sup>2</sup> Water stored temporarily in mainstem facilities for later transfer to the Inland Lakes. This table does not reflect water currently stored in the Inland Lakes.

<sup>3</sup> 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.

<sup>4</sup> PacifiCorp has a storage contract to store water in Glendo Reservoir for Dave Johnston Powerplant.

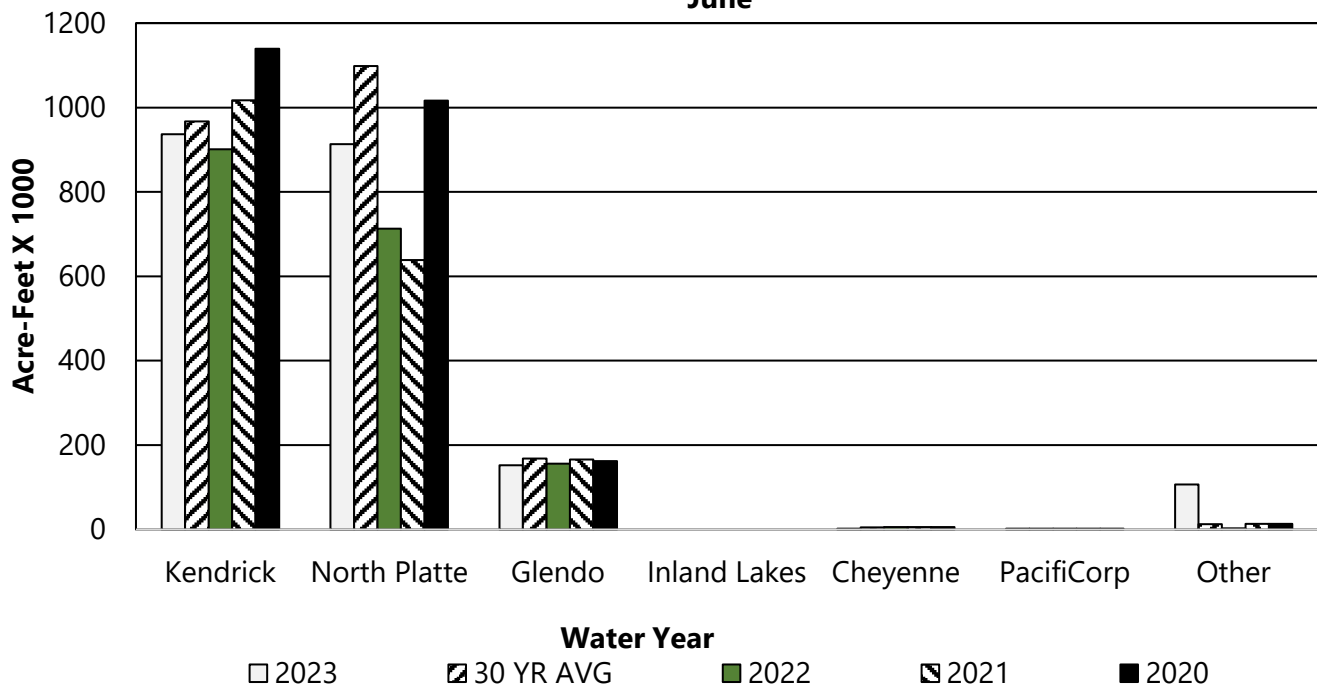
<sup>5</sup> Average is based on the 1993-2022 period.

<sup>6</sup> 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 2022 Natural Flow and Ownership Procedures, the operational account can contain up to 15,000 acre-feet. On June 30, 2023, the Operational account contained 12,898 Acre-feet, the Re-Regulation space contained 0 Acre-feet.

<sup>7</sup> Cheyenne ownership was increased to 15,700 AF on March 13, 2009 as a result of Amendment No. 1 to Contract No. 06XX6A0062.

## OWNERSHIP OF WATER

June



## INLAND LAKES RESERVOIR STORAGE

June Storage, and Storage Capacity

Reservoir	W. Yr. 2023	30 Yr. Avg.	% of Avg.	Total Storage Capacity
Lake Alice	4,283	5,980	72%	11,034 <sup>1</sup>
<sup>1</sup> Little Lake Alice	386	340	114%	1,166 <sup>2</sup>
<sup>4</sup> Lake Winters Creek	1,172	1,020	115%	1,746 <sup>3</sup>
<sup>6</sup> Lake Minatare	52,741	46,250	114%	58,795 <sup>4</sup>

1 At Elevation 4182.0

2 At Elevation 4139.0

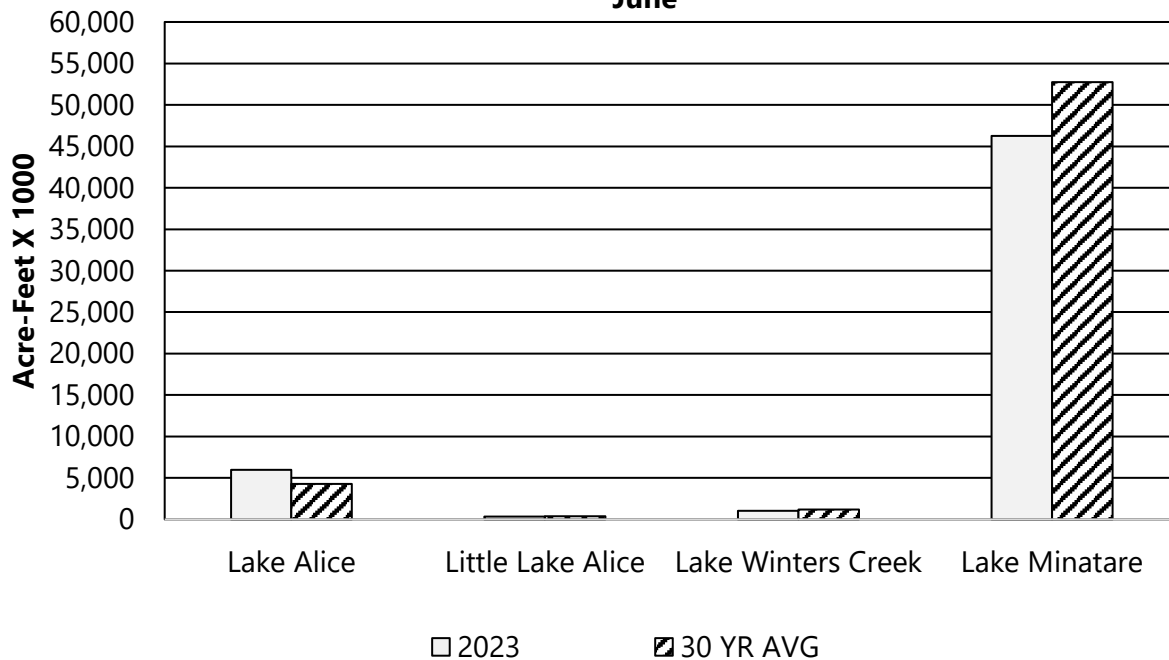
3 At Elevation 4125.0

4 At Elevation 4125.0

5 30 year average. (1993-2022)

## INLAND LAKES RESERVOIR STORAGE

June



## NORTH PLATTE RIVER BASIN GROSS GENERATION

June

Gross Generation and Historical Generation

Powerplant	W. Yr. 2023	30 Yr. Avg. <sup>2</sup>	% of Avg.	W. Yr. 2022	W. Yr. 2021	W. Yr. 2020
Seminole	26.9	21.2	127%	11.4	19.1	21.6
Kortes	21.1	20.1	105%	14.1	22.6	23.2
Fremont Canyon	20.7	32.8	63%	35.3	36.6	45.0
Alcova	9.0	17.7	51%	16.5	16.7	28.2
Glendo	6.2	16.2	38%	13.1	14.1	19.5
Guernsey	3.3	3.6	91%	4.0	3.0	4.2

1 The powerplant for Pathfinder Dam is Fremont Canyon.

2 Average is based on the 1993-2022 period.

June

Accumulated Gross Generation Water Year

Powerplant	W. Yr. 2023	30 Yr. Avg. <sup>2</sup>	% of Avg.
Seminole	89.6	89.9	100%
Kortes	101.1	93.0	109%
Fremont Canyon	91.3	126.4	72%
Alcova	39.9	62.9	63%
Glendo	18.6	35.7	52%
Guernsey	9.8	8.6	113%

## NORTH PLATTE RIVER BASIN GROSS GENERATION

