# Annual Operating Plans

## North Platte River Area

## Water Year 2000 Summary of Actual Operations and Water Year 2001 Annual Operating Plans

U.S. DEPT. OF THE INTERIOR
BUREAU OF RECLAMATION
GREAT PLAINS REGION
Wyoming Area Office

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## PREFACE

This report concerns the operation of all Bureau of Reclamation (Reclamation) facilities in the North Platte River Drainage Basin above and including Guernsey Dam as well as the four Inland Lakes near Scottsbluff, Nebraska. This area of the North Platte River Drainage Basin is simply referred to in this report as the Basin.

All references to average in this document will refer to the average of the historical record for the years 1970-1999 unless noted otherwise. In each coming year this period will be advanced by one year to maintain a running 30-year average.

## INTRODUCTION

The System of dams, reservoirs, and powerplants on the North Platte River (referred to as the "System" in this text) is monitored and in most cases operated and managed from the Wyoming Area Office in Mills, Wyoming. The operation and management of the System is aided by the use of a Programmable Master Supervisory Control, computerized accounting process, extensive Hydromet stations, control crest measurement weirs at gaging stations, SNOTEL stations, and a snowmelt runoff forecasting procedure which is used by the Water Management Branch. The System consists of a number of individual water resource projects that were planned and constructed by Reclamation. The individual projects and features are operated as an integrated system to achieve efficiency and to produce increased multipurpose benefits. The drainage basin which affects the System covers an area from northern Colorado to southeastern Wyoming, encompassing 16,224 square miles. Storage reservoirs affected by the System include four off stream reservoirs known as the Inland Lakes in western Nebraska as shown in figure 22.

Approximately 70 to 80 percent of the annual North Platte River streamflow above Seminoe Dam occurs from snowmelt runoff during the April-July period. Primary water demand is irrigation, and the period of delivery of irrigation water normally extends from May through September. The System furnishes irrigation water to over 440,000 acres of land in Wyoming and Nebraska.

The System includes the Kendrick Project in Wyoming; the North Platte Project in Wyoming and Nebraska; and the Kortes and Glendo Units of the Pick-Sloan Missouri Basin Program in Wyoming and Nebraska. Major rivers which affect the water supply in the System are the North Platte River in Colorado and Wyoming, and the Medicine Bow, and Sweetwater Rivers in Wyoming.

The System has seven main stem reservoirs, six of which have powerplants with a generating capacity totaling 235.2 megawatts (MW). Table 2 depicts reservoir data.

The Department of Energy, by Executive Order dated October 1, 1977, assumed the responsibility of marketing power from Federal resources and operation and maintenance of federal transmission facilities.

Western Area Power Administration (WAPA) of the Department of Energy, headquartered in Golden, Colorado, now operates and maintains the nearly 3,500 miles of interconnected electrical transmission lines within the System. The power generating facilities are also interconnected with other Federal, public, and private power facilities. Power from Reclamation Powerplants is marketed by WAPA.

## SYSTEM PLANNING AND CONTROL

The North Platte River storage, power generation, and water delivery facilities are operated for irrigation, hydroelectric power production, municipal and industrial water supply, providing instream flows in the section of the river below Kortes Dam known as the Miracle Mile and also below Gray Reef Dam, flood control, recreation, fish and wildlife preservation, and other purposes. Each project of the System must be operated under the purposes for which it was authorized and constructed. The objective of an integrated system is to obtain optimum benefits from the individual projects.

The System's integrated operation is planned and coordinated by Reclamation's Wyoming Area Office in Mills, Wyoming. This office collects and analyzes information daily and makes the decisions necessary for successful operation of the System. The water management function involves coordination between Reclamation, the Department of Energy, and many other local, state, and Federal agencies. When water levels rise into the exclusive flood control pool at Glendo Reservoir, the flood control operation of Glendo Dam is directed by the U.S. Army Corps of Engineers, Omaha District, Omaha, Nebraska.

Experience has proven that proper utilization of the available water resource in a system such as this can be achieved only through careful budgeting of the anticipated water supply. The technical end product of this budgeting process is an Annual Operating Plan (AOP).

The System is operated on a Water Year basis (October 1 through September 30). Early in the Water Year an AOP is prepared, reviewed, and presented to the public. AOPs are prepared for reasonable maximum and reasonable minimum conditions of water supply and requirements as well as for the most probable runoff conditions. The System is operated to optimize the most probable water supply and still allow changes in operation should either reasonable maximum or reasonable minimum water supply conditions occur. This flexibility is the basis of the plan. Reclamation makes use of computer programs to revise and adjust the operating plan each month to reflect changing conditions. A computerized process of forecasting the anticipated water supply also aids the revision process during the months of February, March, April and May. Figure 1 depicts total storage at the end of September for the North Platte Reservoirs.

**North Platte River Reservoirs**
**Total Storage End of September**

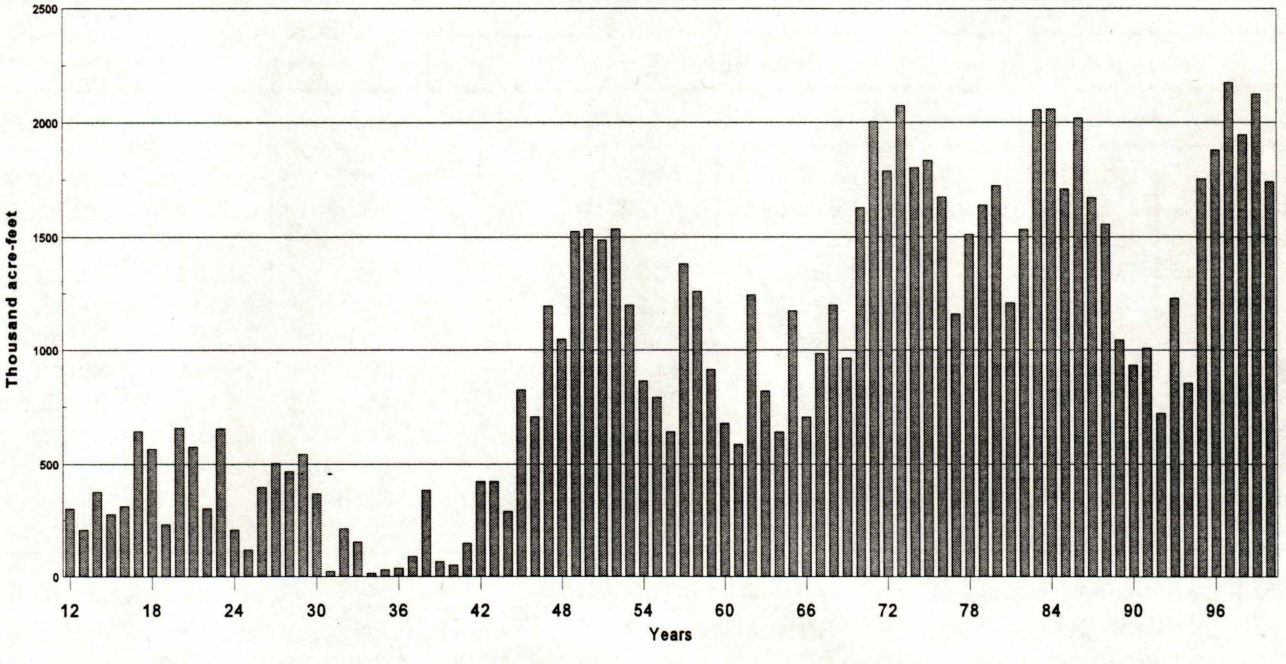



**Figure 1**

# Table 1
## Summary of Reservoir Storage Content
## Water Year 2000
## End of month

| Seminoe Reservoir | | | Pathfinder Reservoir | | | Alcova Reservoir | | |
|---|---|---|---|---|---|---|---|---|
| Month | Storage | Record 1/ | Month | Storage | Record 1/ | Month | Storage | Record 1/ |
| October | 887,277 | 4th highest | October | 918,130 | | October | 156,696 | 3/ |
| November | 867,586 | 3rd highest | November | 926,387 | | November | 156,515 | |
| December | 846,129 | 3rd highest | December | 928,873 | | December | 156,876 | |
| January | 830,616 | 3rd highest | January | 935,943 | | January | 156,065 | |
| February | 798,766 | 3rd highest | February | 960,543 | | February | 156,178 | |
| March | 743,599 | 3rd highest | March | 994,870 | | March | 156,922 | |
| April | 753,601 | 3rd highest | April | 994,653 | | April | 179,790 | |
| May | 914,774 | 3rd highest | May | 993,135 | | May | 180,840 | |
| June | 980,259 | 3rd highest | June | 923,904 | | June | 180,010 | |
| July | 931,333 | | July | 777,676 | | July | 180,791 | |
| August | 862,940 | | August | 652,715 | | August | 180,254 | |
| September | 829,060 | | September | 610,429 | | September | 179,961 | |

| Glendo Reservoir | | | Guernsey Reservoir | | | Total North Platte System 2/ | | |
|---|---|---|---|---|---|---|---|---|
| Month | Storage | Record 1/ | Month | Storage | Record 1/ | Month | Storage | Record 1/ |
| October | 189,108 | | October | 4,219 | | October | 2,161,467 | 2nd highest |
| November | 236,532 | | November | 7,427 | | November | 2,200,444 | 2nd highest |
| December | 287,400 | | December | 10,502 | | December | 2,235,837 | 2nd highest |
| January | 338,258 | | January | 13,244 | | January | 2,280,123 | 3rd highest |
| February | 392,823 | | February | 15,939 | | February | 2,330,763 | 2nd highest |
| March | 474,666 | | March | 18,614 | | March | 2,394,905 | 2nd highest |
| April | 527,089 | 4th highest | April | 35,965 | | April | 2,496,922 | highest |
| May | 518,104 | | May | 35,900 | | May | 2,649,065 | 3rd highest |
| June | 417,939 | | June | 35,077 | | June | 2,543,421 | |
| July | 286,359 | | July | 29,353 | | July | 2,211,821 | |
| August | 152,948 | | August | 30,749 | | August | 1,885,839 | |
| September | 104,173 | | September | 10,160 | | September | 1,740,122 | |

1/Record is the 30 year period from 1970 to 1999.
2/Total North Platte system includes storage in Seminoe, Kortes, Pathfinder, Alcova, Gray Reef, Glendo, and Guernsey Reservoirs
3/Alcova Reservoir is maintained within either a winter operating range (between contents of 153,802 AF to 158,302 AF) or a summer operating range of (between contents 177,070 AF to 181,943 AF)

Table 2

North Platte River Reservoir Data

| Reservoir | Dead Storage 1/ Acre-feet (AF) | Active Storage 2/ (AF) | Total Storage (AF) | Minimum Storage (AF) | Minimum Elevation |
|---|---|---|---|---|---|
| Seminoe | 556 | 1,016,717 | 1,017,273 | 31,670 4/ | 6239.00 4/ |
| Kortes | 151 | 4,588 | 4,739 | 1,666 4/ | 6092.00 4/ |
| Pathfinder | 7 | 1,016,500 | 1,016,507 | 31,405 4/ | 5746.00 4/ |
| Alcova | 91 | 184,314 | 184,405 | 137,610 5/ | 5479.50 5/ |
| Gray Reef | 56 | 1,744 | 1,800 | 56 6/ | 5312.00 6/ |
| Glendo | 11,033 | 778,369 | 789,402 3/ | 63,148 | 4570.00 7/ |
| Guernsey | 0 | 45,612 | 45,612 | 0 | 4370.00 8/ |
| Total | 11,894 | 3,047,844 | 3,059,738 | 265,555 | |

1/Storage capacity below elevation of lowest outlet
2/Total storage minus dead storage
3/Top of Conservation capacity 517,485 (elevation 4635.00), with an additional 271,917 AF allocated to flood control (elevation 4653.00)
4/Minimum water surface elevation and capacity required for power generation. This level the top of inactive capacity.
5/Content and minimum elevation required for power generation, however water cannot be delivered to Casper Canal when reservoir level is below 5487.00 (153,802), the elevation of the Casper Canal gate sill.
6/Top of dead capacity - spillway crest
7/Minimum water surface elevation for power generation.
8/Elevation of the North Spillway Crest

SYSTEM OPERATIONS WATER YEAR 2000

Seminoe Reservoir Inflow

Except for the months of January and February 2000, inflows into Seminoe Reservoir in all months were below average. Inflows ranged from 111 percent of average in January 2000(Water Year 2000) to 21 percent in July 2000. The inflow into Seminoe Reservoir for July 2000 was the third lowest July Seminoe inflow in the past 30 years with only Water Years 1994 and 1977 being lower. The inflow into Seminoe Reservoir for August 2000 was the fourth lowest August Seminoe inflow of record, since the construction of Seminoe Dam in 1939 with only Water Years 1954, 1944 and 1940 being lower. The Actual April-July inflows total 470,700 AF, which is 58 percent of average. The inflows peaked for the year on May 30, 2000, at 7,166 cubic feet per second (cfs). Figure 2 depicts comparison of average monthly inflow and Water Years 2000 and 1999 monthly inflows.

**Seminoe Reservoir Inflow**

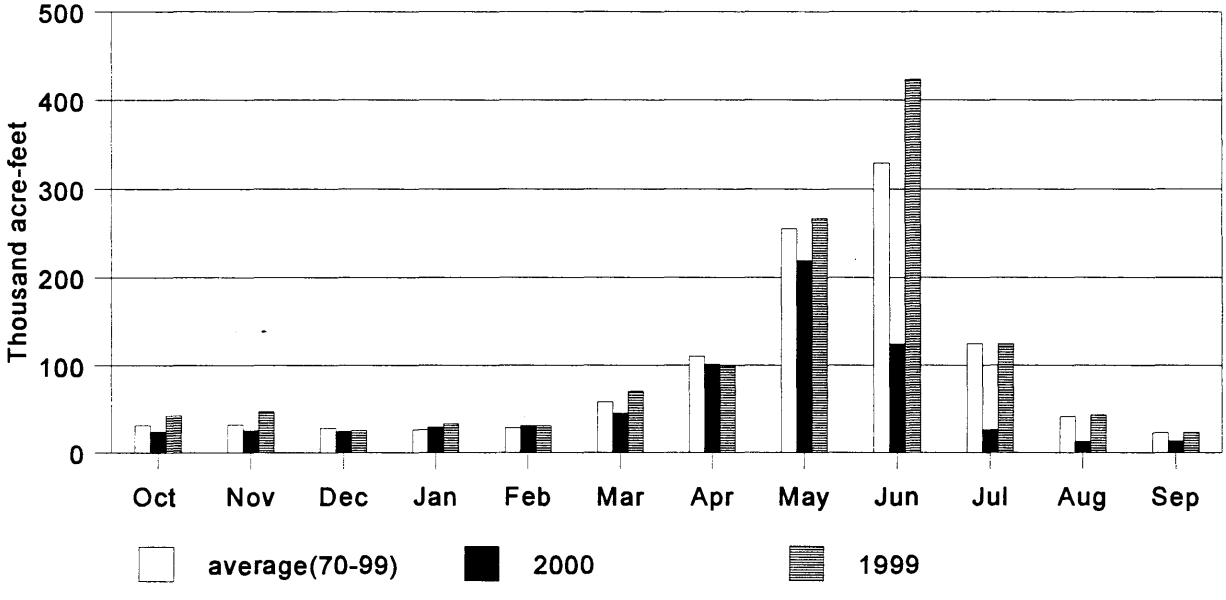



**Figure 2**

## Seminoe Reservoir Storage and Releases

Seminoe Dam and Reservoir, on the North Platte River, is the main storage facility for the Kendrick Project. Construction of the dam was completed in 1939, providing a storage capacity of 1,017,273 AF. The powerplant contains three electrical generating units with a total capacity of 45 MW at a full release capability of about 3,400 cfs.

The spillway consists of a concrete-lined tunnel through the right abutment controlled by three fixed-wheel gates with a release capability of close to 48,000 cfs. Two 60 inch jet flow valves provide a low level river outlet flow capacity of 3,450 cfs.

At the start of Water Year 2000 Seminoe Reservoir had a storage content of 911,230 AF which was 122 percent of average and 90 percent of capacity. Seminoe storage continued above average throughout the Water Year. The maximum Seminoe Reservoir content for the Water Year was reached on June 28, 2000 at 980,456 AF. The end of Water Year 2000 Seminoe Reservoir storage content was 829,060 AF. See Figure 3 for an end of month storage comparison for the Water Year. Releases averaged 700 cfs from October, 1999, through January, 2000. In anticipation of spring runoff the Seminoe releases were increased to average approximately 1,070 cfs for February, and to average approximately 1,600 cfs for March. The releases were decreased for the remainder of the Water Year and averaged approximately 700 cfs during September 2000.

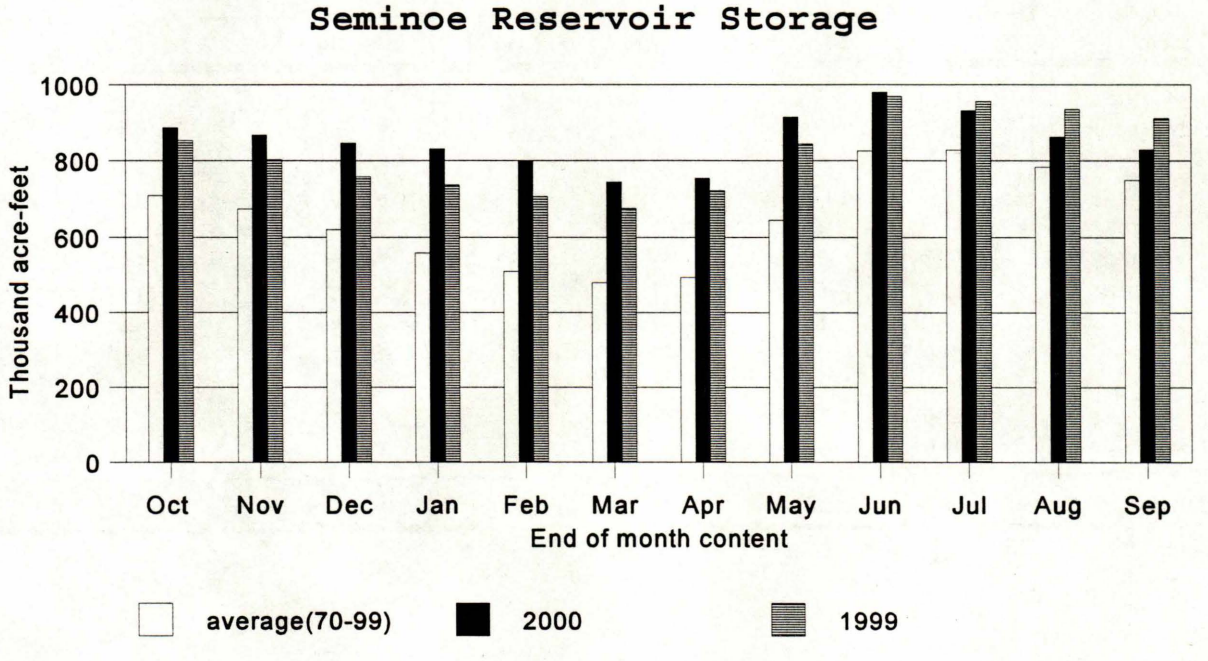



**Figure 3**

# Table 3
# Seminoe Reservoir Hydrologic Data
# for Water Year 2000

| Reservoir Allocations | Elevation (FT) | Storage (AF) | Storage Allocation (AF) |
|---|---|---|---|
| Top of Inactive and Dead | 6239.00 | 31,670 | 31,670 |
| Top of Active Conservation | 6357.00 | 1,017,273 | 985,603 |
| Crest of Dam(without Camber) | 6361.00 | | |

| Storage-Elevation Data | Elevation(FT) | Storage(AF) | Date |
|---|---|---|---|
| Beginning of Water Year | 6351.49 | 910,113 | Oct 1, 1999 |
| End of Water Year | 6346.97 | 829,060 | Sept 30, 2000 |
| Annual Low | 6340.92 | 729,821 | Apr 14, 2000 |
| Historic Low1/ | 6253.30 | 56,390 | Apr 20, 1961 |
| Annual High | 6355.16 | 980,456 | Jun 28, 2000 |
| Historic High1/ | 6359.29 | 1,073,050 | Jun 20, 1949 |

1/The daily records for this table are only available from Water Year 1946.

| Inflow-Outflow Data | Inflow2/ | Date | Outflow | Date |
|---|---|---|---|---|
| Annual Total(AF) | 676,200 | Oct'99-Sep'00 | 695,500 | Oct'99-Sep'00 |
| Daily Peak (CFS) | 7,166 | May 30, 2000 | 2,001 3/ | Jun 1, 2000 |
| Daily Minimum (CFS) | 0 | Oct 6, 1999 | 506 3/ | Dec 5, 1999 |
| Peak Jet Flow Valve (CFS) | | | | |
| Total Jet Flow Valve (AF) | | | | |

2/Inflows are a computed number 3/daily peak and minimum are releases to the river.

| | Inflow | | Outflow | | Content | |
|---|---|---|---|---|---|---|
| Month | KAF | % of avg4/ | KAF | % of avg4/ | KAF | % of avg4/ |
| October | 24.0 | 76 | 43.4 | 72 | 887.3 | 125 |
| November | 25.4 | 78 | 41.6 | 63 | 867.6 | 129 |
| December | 24.3 | 86 | 43.1 | 54 | 846.1 | 137 |
| January | 29.3 | 111 | 43.1 | 50 | 830.6 | 149 |
| February | 31.0 | 108 | 61.7 | 82 | 798.8 | 156 |
| March | 45.3 | 78 | 98.4 | 112 | 743.6 | 155 |
| April | 101.2 | 92 | 87.2 | 94 | 753.6 | 152 |
| May | 219.0 | 86 | 51.0 | 51 | 914.8 | 142 |
| June | 123.9 | 38 | 49.5 | 35 | 980.3 | 119 |
| July | 26.6 | 21 | 64.5 | 57 | 931.3 | 113 |
| August | 12.6 | 30 | 70.9 | 91 | 862.9 | 110 |
| September | 13.6 | 60 | 41.1 | 80 | 829.1 | 111 |
| Annual | 676.2 | 62 | 695.5 | 67 | | |

4/30 year average is the period (1970-1999)

## Kortes Reservoir Storage and Releases

Completed in 1951, Kortes Dam, Reservoir, and Powerplant of the Kortes Unit (Pick-Sloan Missouri Basin Project) are located about 2 miles below Seminoe Dam. It was the first unit initiated by the Bureau of Reclamation under the Missouri River Basin Project. This 4,700 AF Reservoir serves as the forebay for Kortes Powerplant which has three electrical generating units with a total capacity of 37 MW and a release capability of about 3,000 cfs. Water released from Seminoe Dam to Pathfinder Reservoir passes through the Kortes turbines to generate power. Maximum benefits are obtained when Kortes Reservoir remains full and the power releases are coordinated with those from Seminoe plant to maintain a full reservoir.

The spillway on the right abutment consists of an uncontrolled crest with a concrete-lined tunnel and has a capacity of 50,000 cfs.

Senate Bill 2553 which was passed in the 90th Congress authorized the modification of the operation of Kortes Dam and Powerplant to provide a minimum streamflow of 500 cfs in the North Platte River between Kortes Reservoir and the normal headwaters of Pathfinder Reservoir. The minimum flow permits maintenance of a fishery in a stretch of the North Platte River commonly referred to as the "Miracle Mile".

The Kortes releases averaged 700 cfs from October through January. In anticipation of spring runoff the Kortes releases were increased to average approximately 1,070 cfs for February, and to average approximately 1,600 cfs for March. The releases were decreased for the remainder of the Water Year and averaged approximately 700 cfs during September 2000. In Water Year 2000 all releases were made through the Kortes Powerplant except for three occasion totally 4 days when testing required a bypass. The highest releases for the Water Year were made on June 1, 2000, with a peak flow of 2,002 cfs.

## Gains to the North Platte River
## Kortes Dam to Pathfinder Dam

Kortes Dam to Pathfinder Dam river gains were well above average from October, 1999 through March, 2000 and September, 2000, with all other months being below average during the Water Year. The Kortes to Pathfinder river gains for November, December 1999, January, and February, 2000, were the highest of record since the completion of Kortes Dam in 1951. The Kortes to Pathfinder river gains for October, 1999, and March, 2000 were the 2nd highest of record since the completion of Kortes Dam in 1951 with only October, 1998 and March 1995 being higher. The Kortes Dam to Pathfinder Dam river gains ranged from 380 percent of average in December, 1999 to 58 percent in June, 2000. The actual April-July gain was 85,000 AF, which was 78 percent of average. See Figure 4.

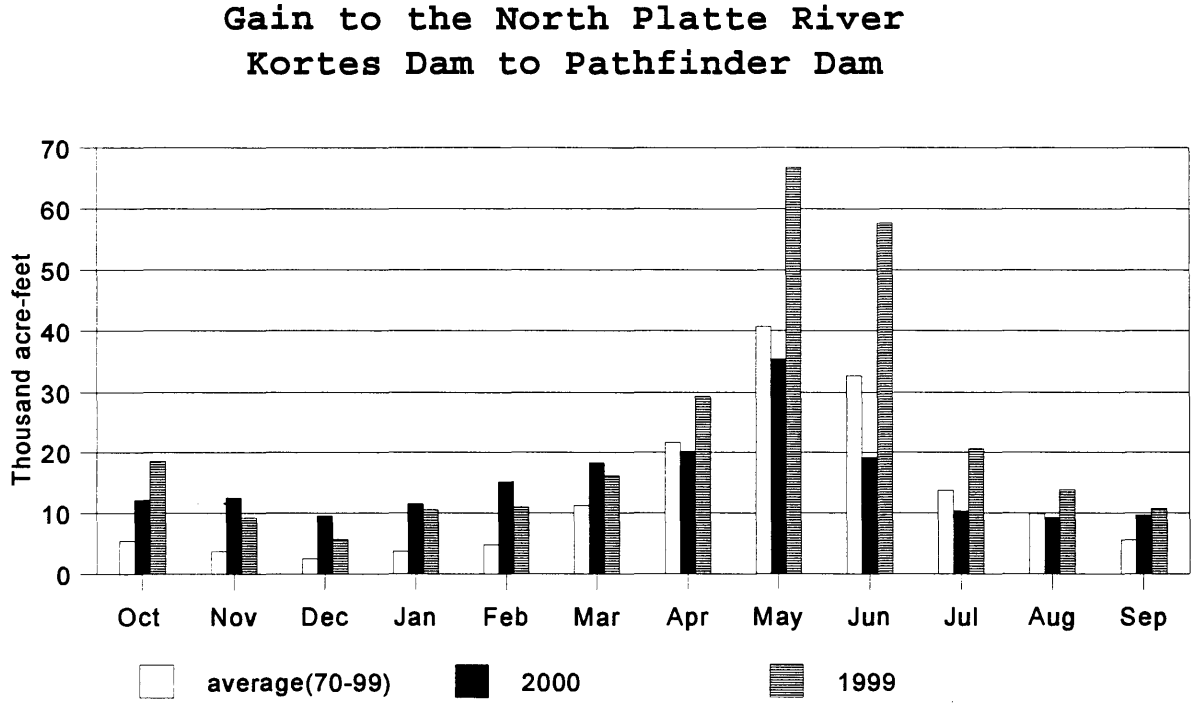



**Figure 4**

## Pathfinder Reservoir Storage and Releases

Pathfinder Dam and Reservoir, a major storage facility of the North Platte Project, has a total capacity of 1,016,507 AF. Construction of the dam was completed in 1909. Operationally, this structure is a bottleneck in the System with its restricted release capability of approximately 6,000 cfs. The two 60" and one 30" jet flow gates at the dam are capable of releasing 3,100 cfs, and depending on the elevation of the reservoir, as much as 2,900 cfs can be released through the Fremont Canyon Power conduit and discharged from the Fremont Canyon turbines at the powerplant 3 miles downstream. The uncontrolled spillway is a flat-crested weir of natural rock over the left abutment of the dam. It has an estimated capacity of 65,000 cfs, at water surface elevation 5858.10 feet or 8 feet above the spillway crest. Fremont Canyon Powerplant, located in the canyon below Pathfinder Dam, has been reconditioned to a capacity of 66.8 MW under full reservoir operating head.

At the start of Water Year 2000 storage in Pathfinder Reservoir was 897,301 AF, which was 166 percent of average. Pathfinder storage was well above average for the entire Water Year. (See figure 5). The maximum Pathfinder Reservoir content for the Water Year was reached on June 3, 2000, at 997,259 AF. The Water Year ended with 610,429 AF of water in storage in Pathfinder Reservoir, which is 107 percent of average. A gradual drawdown of Alcova Reservoir to its winter operating range this year allowed for continual release of water from Pathfinder Reservoir during October. A release from the Pathfinder Dam outlet works was initiated on July 5, 2000, and continued until August 22, 2000, in order to move water through the system. Operation in 2000 required the release of 62,006 AF of water to the river below Pathfinder Dam which was a bypass of Fremont Canyon Powerplant.

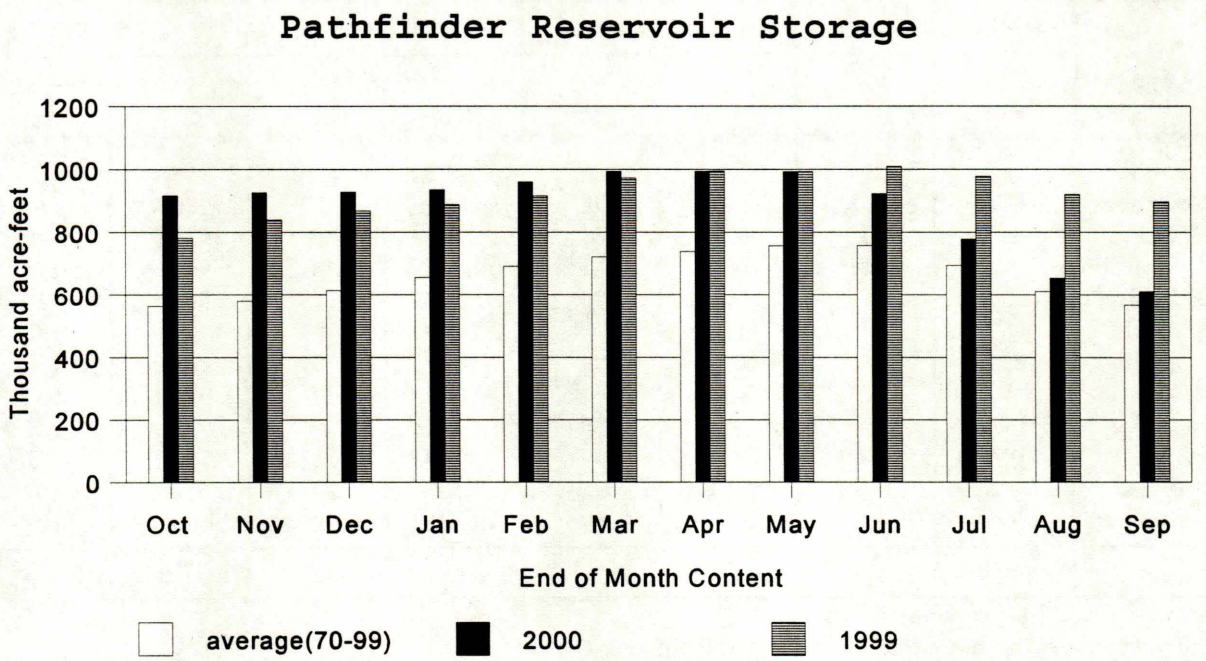



**Figure 5**

# Table 4
# Pathfinder Reservoir Hydrologic Data
# for Water Year 2000

| Reservoir Allocations | Elevation (FT) | Storage (AF) | Storage allocation (AF) |
|---|---|---|---|
| Top of Inactive and Dead | 5746.00 | 31,405 | 31,405 |
| Top of Active Conservation | 5850.10 | 1,016,507 | 985,102 |
| Crest of Dam (without camber) | 5858.10 | | |

| Storage-Elevation Data | Elevation(FT) | Storage(AF) | Date |
|---|---|---|---|
| Beginning of Water Year | 5844.48 | 897,707 | Oct 1, 1999 |
| End of Water Year | 5828.16 | 610,429 | Sep 30, 2000 |
| Annual Low | 5828.15 | 610,280 | Sep 27&28, 2000 |
| Historic Low1/ 2/ | 5690.00 | 0 | Sep 9, 1958 |
| Annual High | 5849.22 | 997,259 | Jun 3, 2000 |
| Historic High1/ | 5853.11 | 1,083,755 | Jul 7, 1983 |

1/The daily records for this table are only available from Water Year 1946. 2/From September 1958 through January, 1959 Pathfinder Reservoir was drained for construction of Fremont Canyon tunnel.

| Inflow-Outflow Data | Inflow | Date | Outflow | Date |
|---|---|---|---|---|
| Annual Total(AF) | 877,900 | Oct'99-Sep'00 | 1,092,500 | Oct'99-Sep'00 |
| Daily Peak (CFS) | 3,883 | May 17, 2000 | 3,680 | Aug 1, 2000 |
| Daily Minimum (CFS) | 27 | Nov 20, 1999 | 86 | Jan 1, 2000 |
| Peak Release to River (CFS) | | | | |
| Total Release to River (AF) | | | | |

| Month | Gain from Kortes | | Inflow4/ | | Outflow | | Content | |
|---|---|---|---|---|---|---|---|---|
| | KAF | % of avg3/ | KAF | % of avg3/ | KAF | % of avg3/ | KAF | % of avg3/ |
| October | 12.1 | 224 | 55.4 | 84 | 28.8 | 74 | 918.1 | 163 |
| November | 12.5 | 338 | 54.2 | 78 | 41.9 | 81 | 926.4 | 160 |
| December | 9.5 | 380 | 52.6 | 64 | 46.9 | 99 | 928.9 | 152 |
| January | 11.5 | 311 | 54.5 | 61 | 45.4 | 96 | 935.9 | 143 |
| February | 15.1 | 315 | 76.8 | 96 | 50.8 | 118 | 960.5 | 139 |
| March | 18.2 | 163 | 116.6 | 118 | 79.4 | 121 | 994.9 | 138 |
| April | 20.2 | 94 | 107.4 | 94 | 102.2 | 111 | 994.7 | 135 |
| May | 35.4 | 87 | 86.3 | 61 | 78.5 | 68 | 993.1 | 131 |
| June | 19.1 | 58 | 68.6 | 39 | 127.3 | 78 | 923.9 | 122 |
| July | 10.3 | 75 | 74.7 | 59 | 209.0 | 117 | 777.7 | 112 |
| August | 9.2 | 93 | 80.1 | 92 | 195.6 | 121 | 652.7 | 107 |
| September | 9.6 | 171 | 50.7 | 89 | 86.7 | 92 | 610.4 | 107 |
| Annual | 182.7 | 118 | 877.9 | 74 | 1092.5 | 99 | | |

3/30 year average is the period (1970-1999).
4/Inflow includes the gain from Kortes Dam to Pathfinder Dam.

## Alcova and Gray Reef Reservoirs Storage and Releases

Alcova Dam and Reservoir is part of the Kendrick Project. The dam serves as a diversion dam for the Casper Canal and the reservoir as a forebay for the Alcova Powerplant. The dam, located about 10 miles downstream from Pathfinder Dam, was completed in 1938. Reservoir storage capacity is about 184,405 AF at elevation 5500 feet, of which only the top 30,600 AF is active capacity available for irrigation of the Kendrick Project. The powerplant consists of two electrical generating units with a total installed capacity of 36 MW at a full release capability of about 4,100 cfs. The spillway is a concrete lined open channel in the left abutment of the dam controlled by three 25 by 40 foot gates with a capacity of 55,000 cfs at a reservoir level of 5500 feet. The reservoir is operated within a 2 foot range during summer and winter but at levels 10 feet apart. A higher operating level is maintained during the summer months to provide adequate head on the Casper Canal and accommodate recreation use, while the lower winter operating level reduces the potential for ice damage to the canal gate and boat docks.

The annual drawdown of Alcova Reservoir began on October 1, 1999, and continued through October 28, 1999, when Alcova reached its normal winter operating range of 5488.00 ± one foot.
The refill of Alcova Reservoir was initiated on March 31, 2000. The water surface elevation was raised above 5497 feet on April 16, 2000 and the reservoir was maintained within 1 foot of elevation 5498 throughout the summer. From May 5 through May 10 a bypass release of approximately 4,665 AF was required as maintenance personnel tried to dislodge an obstruction which prevented closing one of the spillway gates following an operational test of each of the gates. From September 8 through September 14, 2000 a bypass release of approximately 15,526 AF was required to perform maintenance on the power generating unit butterfly valves.

Gray Reef Dam and Reservoir are part of the Glendo Unit, Oregon Trail Division, Pick-Sloan Missouri Basin Program. The dam which was completed in 1961, is a three-zoned rock and earthfill structure located about 2.5 miles below Alcova Dam. The reservoir has an active capacity of 1,744 AF. Gray Reef Reservoir is operated to reregulate widely fluctuating water releases from the Alcova Powerplant, which provides flows acceptable to irrigation, municipal, industrial, and fish and wildlife interests along the 147 miles of river between Alcova and Glendo Dams.

The Gray Reef releases were maintained at 700 cfs from October 1, 1999 until October 18, 1999. At the request of the Wyoming Game and Fish Department, a series of flushing flows were initiated on October 18, 1999, and continued through October 22, 1999, during which the flows were varied each day from 500 cfs to 4,000 cfs, for the purpose of flushing silt from spawning gravels used by trout. At the completion of the flushing flows, releases from Gray Reef were then set at to 700 cfs until December 1, 1999 when releases were increased to 750 cfs. Releases remained at approximately 750 cfs until mid February, 2000, when in anticipation of snowmelt runoff the releases were increased to approximately 1,000 cfs.

Again, at the request of the Wyoming Game and Fish Department, a series of flushing flows were initiated on February 28,2000 and continued through March 3, 2000. At the completion of the flushing flows, releases from Gray Reef were set at a 1,000 cfs and remained at that rate until March 17, 2000. Releases for the remainder of the Water Year were adjusted to manage upstream inflows from snowmelt runoff and to meet irrigation demands below Guernsey Reservoir. The largest release for the Water Year of 3,253 cfs occurred on July 26, 2000 and August 8, 2000.

## Gains to the North Platte River Alcova Dam to Glendo Dam

River gains from Alcova Dam to Glendo Dam were above average only during the months of December, 1999 and April, 2000 and well below average for all other months of the Water Year. The actual April-July gain was 133,600 AF, which was 80 percent of average. River gains peaked on May 19, 2000 at 4,634 cfs with the daily computed Glendo inflow peaking on May 19, 2000 at 5,204 cfs. See Figure 6.

**Gains to the North Platte River**
**Alcova Dam to Glendo Dam**

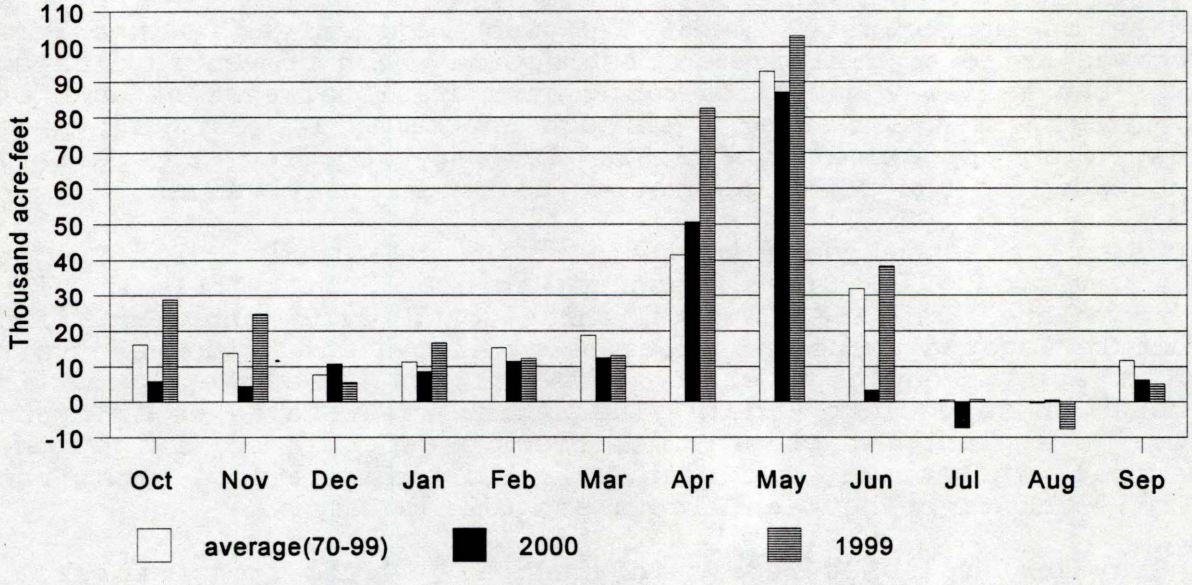



**Figure 6**

## Glendo Reservoir Storage and Releases

Glendo Dam and Reservoir is the only storage facility for the Glendo Unit. The reservoir has a storage capacity of 789,402 AF, including 271,917 AF allocated to flood control. Glendo Powerplant consists of 2 electrical generating units, with a total installed capacity of 38 MW. With both generating units operating at capacity and the reservoir water surface at elevation 4635.0 feet, approximately 3,920 cfs can be released through Glendo Powerplant.

The reinforced concrete spillway has an ungated ogee crest. The spillway capacity at elevation 4669.0 feet, (6 feet below the crest of the dam), is 10,335 cfs.

The outlet works from Glendo Dam consist of the primary outlet works which discharge at the powerplant, and the low-flow outlet which discharges to the river immediately below the dam. The three primary outlet gates can release a combined discharge of 13,000 cfs with the powerplant shut down. Releases are, however, restricted to 6,600 cfs as a precautionary practice. This precautionary practice is to minimize the potential for damage to the stilling basin and training walls. In order to exceed 6,600 cfs discharge through the primary outlet works, prior approval of the Director, Denver Technical Service Center and of the Great Plains Regional Director, Billings, Montana is required. The low-flow outlet works are operated to maintain a continuous release of approximately 25 cfs. This provides a reliable water source for the downstream wetland area and results in associated fish and wildlife benefits.

Glendo Reservoir storage was 130,471 AF at the beginning of Water Year 2000, which was 137 percent of average. Water releases from Glendo Reservoir were initiated on April 13, 2000, in order to refill Guernsey Reservoir in preparation of releases. On April 25, 2000, Glendo Reservoir rose above elevation 4635 into the flood pool and remained above that elevation until May 6, 2000. Again on May 27, 2000, Glendo Reservoir rose above elevation 4635 into the flood pool and remained above that elevation until May 31, 2000. The flood pool was evacuated as directed by the Army Corps of Engineers. The reservoir reached a maximum storage for the year of 527,719 AF (elevation 4635.82 feet) on April 29, 2000. At the end of the Water Year, Glendo Reservoir contained 104,173 AF of water (water surface elevation 4581.32 feet) which was 106 percent of average. Figure 7 depicts 2000 and 1999 end of month reservoir storage compared to average.

**Glendo Reservoir Storage**

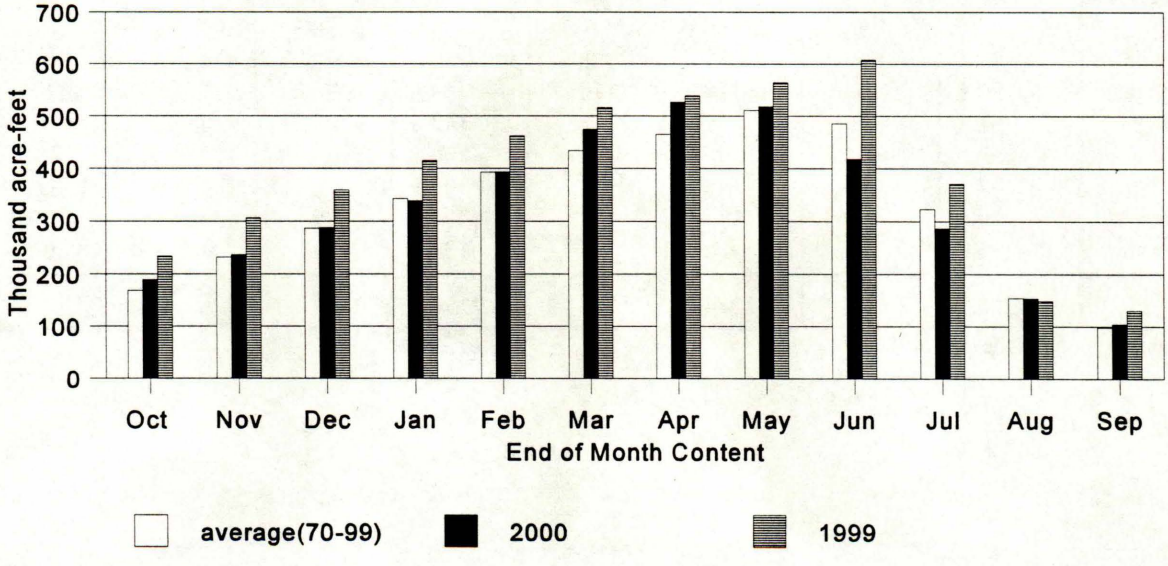



**Figure 7**

# Table 5
# Glendo Reservoir Hydrologic Data
# for Water Year 2000

| Reservoir Allocations | Elevation (FT) | Storage(AF) | Storage Allocation(AF) |
|---|---|---|---|
| Top of Inactive and Dead | 4570.00 | 63,148 | 63,148 |
| Top of Active Conservation | 4635.00 | 517,485 | 454,337 |
| Top of Excl. Flood Control | 4653.00 | 789,402 | 271,917 |
| Maximum water surface(surcharge) | 4669.00 | 1,118,653 | 329,251 |
| Crest of Dam (without camber) | 4675.00 | | |

| Storage-Elevation Data | Elevation(FT) | Storage(AF) | Date |
|---|---|---|---|
| Beginning of Water Year | 4587.54 | 132,056 | Oct 1, 1999 |
| End of Water Year | 4581.32 | 104,173 | Sep 30, 2000 |
| Annual Low | 4578.05 | 91,163 | Sep 22, 2000 |
| Historic Low | 4548.10 | 15,140 | Sep 28, 1966 |
| Annual High | 4635.82 | 527,719 | Apr 29, 2000 |
| Historic High | 4650.94 | 758,830 | May 28, 1973 |

| Inflow-Outflow Data | Inflow | Date | Outflow | Date |
|---|---|---|---|---|
| Annual Total(AF) | 1,174,500 | Oct'99-Sep'00 | 1,171,000 | Oct'99-Sep'00 |
| Daily Peak (CFS) | 5,204 | May 19, 2000 | 7,795 | Jul 26, 2000 |
| Daily Minimum (CFS) | 90 | Sep 18, 2000 | 21 | Jan 15, 2000 |
| Peak Bypass Release (CFS) | | | 4,197 | Jul 25, 2000 |
| Total Bypass Release (AF) | | | 365,271 1/ | Oct'99-Sep'00 |

1/Includes the average daily release of approximately 25 cfs from the low flow valve

| Month | Gains from Alcova | | Inflow | | Outflow | | Content | |
|---|---|---|---|---|---|---|---|---|
| | KAF | % of avg2/ | KAF | % of avg2/ | KAF | % of avg2/ | KAF | % of avg2/ |
| October | 5.9 | 36 | 61.4 | 77 | 1.6 | 33 | 189.1 | 112 |
| November | 4.4 | 32 | 50.0 | 76 | 1.6 | 70 | 236.5 | 102 |
| December | 10.7 | 141 | 52.9 | 95 | 1.7 | 243 | 287.4 | 100 |
| January | 8.5 | 76 | 53.4 | 93 | 1.8 | 95 | 338.3 | 99 |
| February | 11.4 | 75 | 56.9 | 99 | 1.6 | 59 | 392.8 | 100 |
| March | 12.4 | 66 | 85.4 | 108 | 2.1 | 6 | 474.7 | 109 |
| April | 50.6 | 122 | 125.2 | 110 | 69.8 | 86 | 527.1 | 113 |
| May | 87.1 | 93 | 138.4 | 70 | 142.8 | 97 | 518.1 | 101 |
| June | 3.3 | 2 | 109.8 | 62 | 204.5 | 104 | 417.9 | 86 |
| July | -7.4 | 0 | 177.8 | 111 | 303.9 | 96 | 286.4 | 89 |
| August | 0.5 | * | 175.5 | 122 | 305.0 | 99 | 152.9 | 100 |
| September | 6.2 | 53 | 87.8 | 89 | 134.6 | 88 | 104.2 | 106 |
| Annual | 256.3 | 98 | 1174.5 | 91 | 1171.0 | 94 | | |

2/30 year average is the period (1970-1999)

## Gains to the North Platte River
## Glendo Dam to Guernsey Dam

The river gains between Glendo Dam and Guernsey Dam were above average for October, 1999, February, March, May, and September, 2000, for the Water Year. The actual April-July gain was 21,600 AF, which was 77 percent of Average. On July 24, 2000, daily computed inflow to Guernsey Reservoir peaked at 8,000 cfs. See Figure 8 for the monthly total gains for the Water Year.

**Gains to the North Platte River**
**Glendo Dam to Guernsey Dam**

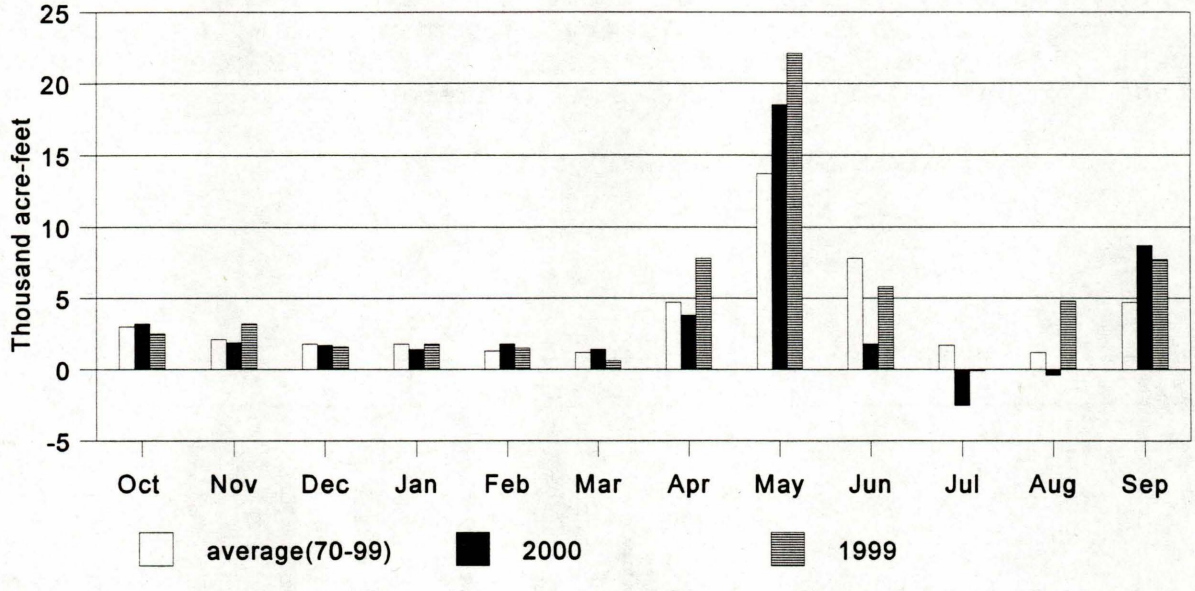



**Figure 8**

## Guernsey Reservoir Storage and Releases

The Guernsey Reservoir, located about 25 miles below Glendo Dam, again stores and reregulates the flow of the river prior to delivery of storage water to project lands of the North Platte Project and Glendo Unit. Guernsey Powerplant, located on the right abutment of the dam, has two 3.2 MW electrical generating units with a combined release capability of about 1,340 cfs. The windings of both units have been replaced resulting in the rating of 3.2 MW per unit. The North spillway gate, with a capacity of 50,000 cfs at a reservoir level of 4420 feet, is utilized for irrigation releases to supplement the maximum powerplant releases.

The original capacity of the reservoir was 73,800 AF, but this has been greatly reduced by deposition of silt. Utilizing data from the 1980 Sedimentation Survey of Guernsey Reservoir, the March 1982 capacity tables show about 45,600 AF of available storage.

At the start of Water Year 2000, storage in Guernsey Reservoir was drawn down to only 5 AF, in order to allow maintenance to the North spillway gate after which storage was reinitiated. Guernsey Reservoir releases were started on April 6, 2000, in preparation for moving water to the Inland Lakes. The annual "silt run" from the Reservoir was initiated on July 10 and continued for 14 days. Reservoir storage was reduced to initiate the "silt run" and was maintained at a low level throughout the period. The minimum reservoir content during the "silt run" of 1031 AF occurred on July 14, 2000. Following the "silt run," the reservoir was refilled to 29,400 AF by July 31,2000. At the end of the irrigation season, September 30, 2000, Guernsey Reservoir contented 10,160 AF or 92 percent of average. See Figure 9 for 2000 and 1999 end of month storage for the Water Year compared to average.

## Guernsey Reservoir Storage

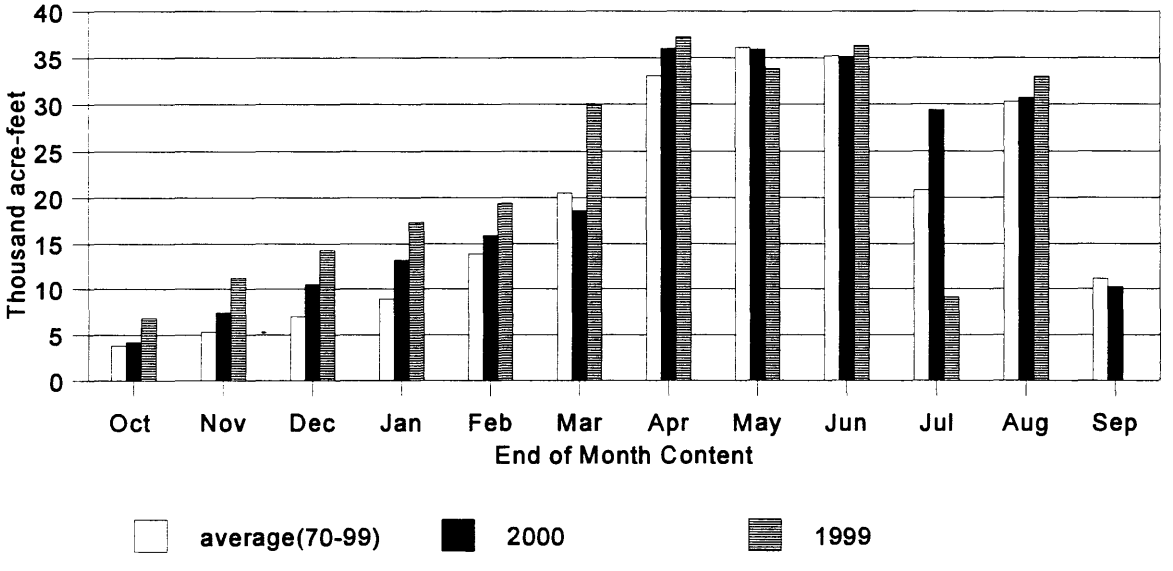



**Figure 9**

## 2000 Precipitation

Although the precipitation was quite variable from month to month throughout the North Platte River Basin, three of the four watersheds had below average total precipitation for Water Year 2000 with the forth having only near average precipitation. October and November were particularly dry months. In the Seminoe watershed, the October precipitation at Spicer and Walden, Colorado, weather stations recorded the 2nd and 4th lowest October precipitation in the last 30 years and Saratoga, Wyoming, weather station recorded the 3rd lowest October precipitation in the last 30 years. In the Pathfinder watershed, the October precipitation at Muddy Gap, Wyoming, weather station, recorded the 2nd lowest October precipitation in the last 30 years. In the Pathfinder watershed, the Lander, Wyoming, weather station recorded the lowest November precipitation of record in 39 years and the South Pass, Wyoming, weather station recorded the 2nd lowest November precipitation in the last 30 years. Precipitation amounts improved considerably in Spring but by summer were again falling below average. In the Glendo watershed, the May precipitation at the Pathfinder Dam, Wyoming, weather station recorded the 3rd highest May precipitation in the last 30 years. In the Guernsey watershed, the Glendo and Guernsey Dam, Wyoming, weather stations both recorded the 2nd lowest June precipitation of record in 42 years and 55 years respectively. In the Glendo watershed, the Glenrock. Wyoming, weather station recorded the lowest July precipitation of record in 58 years while the Casper, and Pathfinder Dam, Wyoming, weather stations both record the 2nd lowest July precipitation of record in 85 years and 99 years, respectively. The year ended with improved precipitation throughout the basin in September. In the Glendo watershed, the September precipitation at the Douglas, Wyoming, weather station recorded the 3rd highest September precipitation in the last 30 years. See Figure 10 for a comparison of the last four Water Years to average. See table 6 for monthly comparison of precipitation.

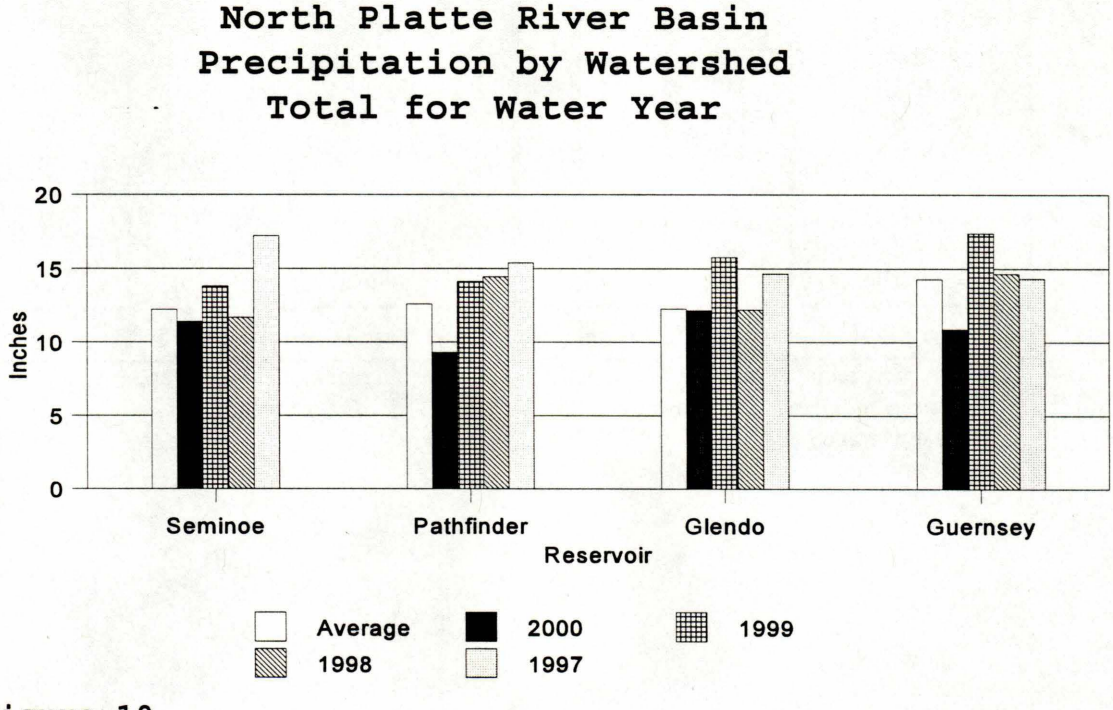



**Figure 10**

# Table 6
## Summary of Precipitation by Watershed
## Water Year 2000
## End of month

| Seminoe Watershed 1/ | | | Pathfinder Watershed 1/ | | |
|---|---|---|---|---|---|
| Month | Precip in inches | percent of average 2/ | Month | Precip in inches | percent of average 2/ |
| October | .21 | 19 | October | .35 | 29 |
| November | .57 | 65 | November | .27 | 31 |
| December | .58 | 80 | December | .27 | 39 |
| January | .68 | 97 | January | .42 | 60 |
| February | 1.13 | 177 | February | .35 | 59 |
| March | 1.16 | 132 | March | 1.20 | 110 |
| April | 1.09 | 93 | April | 1.29 | 82 |
| May | 1.41 | 87 | May | 2.50 | 120 |
| June | .62 | 57 | June | .68 | 60 |
| July | .73 | 56 | July | .23 | 24 |
| August | 1.20 | 115 | August | .68 | 100 |
| September | 2.05 | 188 | September | 1.07 | 104 |
| Water Year Total | 11.42 | 93 | Water Year Total | 9.30 | 74 |

| Glendo Watershed 1/ | | | Guernsey Watershed 1/ | | |
|---|---|---|---|---|---|
| Month | Precip in inches | percent of average 2/ | Month | Precip in inches | percent of average 2/ |
| October | .43 | 39 | October | .47 | 42 |
| November | .45 | 64 | November | .40 | 64 |
| December | .21 | 45 | December | .15 | 36 |
| January | .52 | 118 | January | .24 | 69 |
| February | .52 | 106 | February | .65 | 159 |
| March | .97 | 120 | March | .94 | 121 |
| April | 2.05 | 130 | April | 2.79 | 162 |
| May | 3.09 | 138 | May | 2.04 | 80 |
| June | .96 | 66 | June | .36 | 17 |
| July | .25 | 20 | July | .70 | 39 |
| August | .89 | 117 | August | .32 | 28 |
| September | 1.83 | 185 | September | 1.87 | 155 |
| Water Year Total | 12.17 | 99 | Water Year Total | 10.90 | 76 |

1/Watershed precipitation is an average of the precipitation readings using several stations as indicators for each watershed.

2/30 year average is the period (1970-1999)

## 2000 Ownerships

At the start of Water Year 2000, the North Platte Project ownership (includes North Platte Pathfinder and North Platte Guernsey), contained 774,722 AF of water, which is 164 percent of average. The Kendrick ownership contained 1,161,431 AF of water, which is 117 percent of average; and the Glendo ownership contained 168,872 AF of water, which is 119 percent of average. During the year each ownership came into priority for accrual and filled to the permitted amount. The North Platte Guernsey ownership filled on March 30, 2000. The North Platte Pathfinder ownership filled on April 5, 2000. The Kendrick ownership filled on April 23, 2000. The North Platte Inland Lakes ownership filled on April 24, 2000. The Glendo ownership filled on April 25, 2000.

The total amount of water stored at the end of Water Year 2000 in the mainstem reservoirs for use in Water Year 2001 was 1,740,122 AF . This total does not include 27,109 AF of water remaining in the four Inland Lakes in Nebraska.

At the end of Water Year 2000, the North Platte Project ownership (includes North Platte Pathfinder and North Platte Guernsey), contained 439,338 AF of water and the Glendo ownership contained 149,441 AF of water. The Kendrick ownership at the end of September of 1,132,038 AF, and 13,578 AF was in the operational/excess water account. Also stored in the North Platte storage system was 3,727 AF for the City of Cheyenne and 2,000 AF for Pacific Power. See Figure 11 for the last three Water Years ownership carryover compared with average and capacity. Table number 7 shows a summary of ownership for Water Year 2000.

**End of September Ownership**

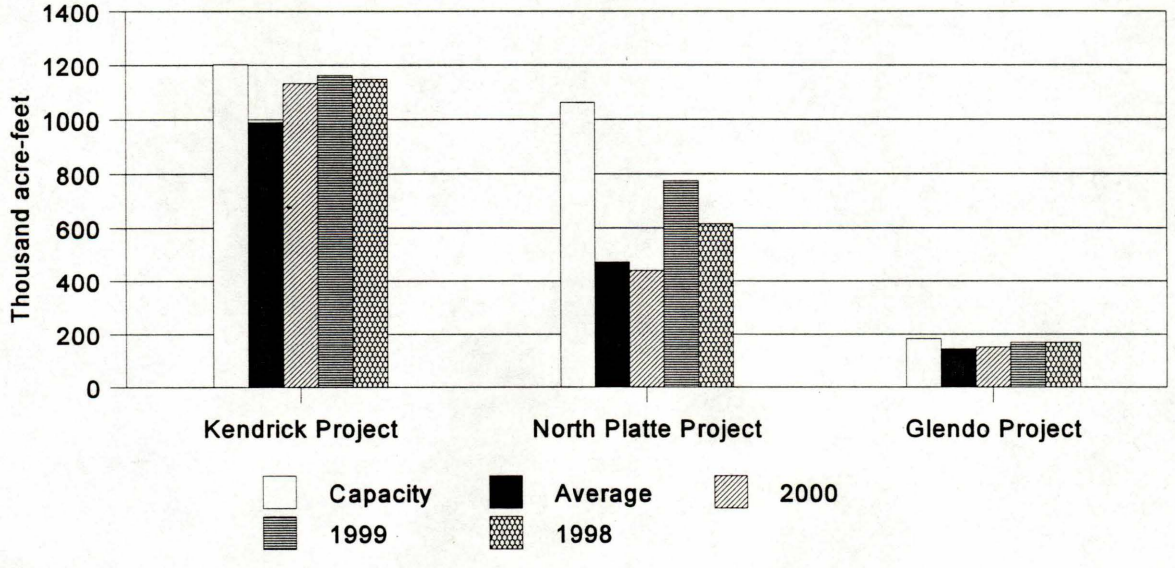



**Figure 11**

Summary of North Platte River System Ownerships for Water Year 2000 (AF)

| MONTHS | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL G/ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PATHFINDER OWNERSHIP | | | | | | | | | | | | | | |
| ACCRUAL A/ | | 39205 F/ | 34401 F/ | 36649 | 39494 | 41675 | 57946 | 14379 | 10036 C/ | 11009 C/ | 3225 C/ | 0 | 0 | 288019 |
| EVAPORATION | | 5149 | 942 | 5998 | 2005 | 1411 | 2845 | 4814 | 9230 | 10615 | 13332 | 10100 | 6378 | 71819 |
| DELIVERY B/ | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160396 | 271800 | 119388 | 551584 |
| OWNERSHIP | 774722 F/ | 808778 | 842237 | 872888 | 910377 | 950641 | 1005742 | 1015307 | 1016113 | 1016507 | 846004 | 564104 | 439338 | |
| KENDRICK OWNERSHIP | | | | | | | | | | | | | | |
| ACCRUAL | | 0 | 0 | 0 | 0 | 0 | 0 | 90294 E/ | 8940 C/ | 10440 C/ | 3415 C/ | 0 | 0 | 113089 |
| EVAPORATION | | 5624 | 1096 | 6824 | 2205 | 1503 | 2911 | 4884 | 8940 | 10440 | 13075 | 12211 | 7913 | 77626 |
| DELIVERY B/ | | 0 | 0 | 0 | 0 | 0 | 0 | 25000 E/ | 0 | 0 | 15659 | 16416 | 7781 | 64856 |
| OWNERSHIP | 1161431 | 1155807 | 1154711 | 1147887 | 1145682 | 1144179 | 1141268 | 1201678 | 1201678 | 1201678 | 1176359 | 1147732 | 1132038 | |
| GLENDO OWNERSHIP | | | | | | | | | | | | | | |
| ACCRUAL | | 0 | 160 F/ | 0 | 0 | 0 | 1119 | 18668 C/ | 2435 C/ | 2828 C/ | 995 C/ | 0 | 0 | 26205 |
| EVAPORATION | | 1265 | 294 | 659 | 405 | 521 | 822 | 1455 | 2435 | 2828 | 3474 | 3625 | 2641 | 20424 |
| DELIVERY & LOSS B/ | | 160 F/ | 174 F/ | 0 | 0 | 0 | 0 | 1 | 4 | 262 | 7689 | 9607 | 7475 | 25372 |
| OWNERSHIP | 168872 F/ | 167607 | 167299 | 166640 | 166235 | 165714 | 166011 | 183223 | 183219 | 182957 | 172789 | 159557 | 149441 | |
| PACIFIC POWER | | | | | | | | | | | | | | |
| ACCRUAL | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 187 | 25 | 29 | 34 | 31 | 306 |
| DELIVERY B/ | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EVAPORATION | | 15 | 1 | 6 | 2 | 2 | 5 | 135 | 21 | 25 | 29 | 34 | 31 | 306 |
| IN STORAGE | 2000 | 1985 | 1984 | 1978 | 1976 | 1974 | 1969 | 1834 | 2000 | 2000 | 2000 | 2000 | 2000 | |
| GUERNSEY OWNERSHIP | | | | | | | | | | | | | | |
| ACCRUAL | | 0 | 0 | 12101 | 9446 | 12586 | 11898 | 735 C/ | 1000 C/ | 1104 C/ | 332 C/ | 0 | 0 | 49202 |
| EVAPORATION | | 0 | 0 | 44 | 130 | 155 | 330 | 495 | 1000 | 1104 | 526 | 0 | 0 | 3784 |
| DELIVERY B/ | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 322 | 45096 | 0 | 0 | 45418 |
| OWNERSHIP | 0 | 0 | 0 | 12057 | 21373 | 33804 | 45372 | 45612 | 45612 | 45290 | 0 | 0 | 0 | |

## Summary of North Platte River System Ownerships for Water Year 2000 (AF)

| MONTHS | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | TOTAL G/ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| INLAND LAKES OWNERSHIP | | | | | | | | | | | | | | |
| ACCRUAL | | 8643 | 5999 | 0 | 0 | 0 | 0 | 31541 | 0 | 0 | 0 | 0 | 0 | 46183 |
| EVAPORATION | | 87 | 38 | 117 | 17 | 17 | 35 | 90 | 6 | 0 | 0 | 0 | 0 | 407 |
| TRANSFER D/ | | 0 | 0 | 0 | 0 | 0 | 0 | 37385 | 8391 | 0 | 0 | 0 | 0 | 45776 |
| OWNERSHIP | 0 | 8556 | 14517 | 14400 | 14383 | 14366 | 14331 | 8397 | 0 | 0 | 0 | 0 | 0 | |
| CITY OF CHEYENNE | | | | | | | | | | | | | | |
| ACCRUAL | | 1511 | 968 | 379 | 134 | 7 | 20 | 58 | 7 | 0 | 1216 | 747 | 930 | 5977 |
| EVAPORATION | | 40 | 2 | 55 | 13 | 7 | 20 | 58 | 56 | 13 | 26 | 31 | 24 | 314 |
| DELIVERY B/ | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7607 | 807 | 493 | 0 | 116 | 9023 |
| OWNERSHIP | 7118 | 8589 | 9555 | 9879 | 10000 | 10000 | 10000 | 10000 | 2344 | 1524 | 2221 | 2937 | 3727 | |
| EXCESS WATER | | | | | | | | | | | | | | |
| ACCRUAL | | 0 | 0 | 0 | 0 | 0 | 152 | 61358 | E/167977 | 162 | 51 | 0 | 5549 | 235249 |
| EVAPORATION | | 77 | 4 | 33 | 11 | 12 | 25 | 101 | 749 | 1810 | 353 | 195 | 140 | 3510 |
| RELEASED | | 0 | 0 | 0 | 0 | 0 | 0 | 40598 | E/ 0 | 102986 | 80715 | 2744 | 1340 | 228383 |
| OWNERSHIP | 10222 | 10145 | 10141 | 10108 | 10097 | 10085 | 10212 | 30871 | 198099 | 93465 | 12448 | 9509 | 13578 | |

A/ In 1992 the Wyoming State Engineer granted an exchange which allows Pacific Power to exchange direct flows in the winter months (Oct.-Apr.) for direct flow in the summer months. During the winter months some direct flows which are available for storage under Pathfinder's storage right are not stored but instead are allowed to pass downstream for use by Pacific Power. In exchange, starting on May 1 Pacific Power allows some of its available direct flow to pass downstream to Glendo Reservoir to be stored as Pathfinder ownership to make up for the winter direct flows that Pathfinder could have stored but allowed to pass downstream to Pacific Power. On April 5, 2000, Pathfinder ownership filled to 1,015,307 AF; this amount plus the remaining Pacific Power exchange water of 1,200 AF completed the fill of the ownership to 1,016,507 AF. The exchange water was returned to Pathfinder at a rate of 26 AF daily starting on May 1, 2000 until June 16, 2000, when the last 4 AF of the exchange water was returned.

B/ Amounts shown as delivery are storage water only. Natural flow which was delivered is not shown in this table.

C/ In accordance with 2000 North Platte River Ownership and Natural Flow Accounting Procedures, ownerships were allowed to refill water lost to evaporation from excess until July 7, 2000.

D/ Transfer refers to Inland Lakes ownership water which was delivered from storage in Glendo or Guernsey. In April and May, 37,385 AF and 8,391 AF were delivered to the Inland Lakes respectively.

E/ 25,000 Acre-feet of Kendrick ownership was transferred to the Excess Water account on April 12, 2000 and returned to the Kendrick Ownership account on April 27, 2000.

F/ Not an actual accrual or delivery but a correction to the ownership record which was made on November 9, 1999 to correct an error which occurred during July, 1999. The correction was also reflected on revised ownership accounting sheets for September 30 and October 31, 1999.

G/ Total accrual may appear greater than the capacity of the water right in some cases because evaporation which is replaced from daily inflows while the ownership is in priority is included, when if fact the portion of inflow which goes to replace evaporation each day is not technically an accrual. Likewise the total evaporation shown is all evaporation from the ownership including that which was replaced from inflow when the ownership was in priority.

**Seminoe Reservoir** Initial Content 911.2 kaf

| | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Inflow kaf | 24.0 | 25.4 | 24.3 | 29.3 | 31.0 | 45.3 | 101.2 | 219.0 | 123.9 | 26.6 | 12.6 | 13.6 | 676.2 |
| Total Inflow cfs | 391 | 427 | 395 | 477 | 539 | 736 | 1700 | 3562 | 2082 | 433 | 204 | 228 | |
| Turbine Release kaf | 43.4 | 41.6 | 43.1 | 43.1 | 61.7 | 98.4 | 87.2 | 51.0 | 49.5 | 64.5 | 70.9 | 41.1 | 695.5 |
| Jetflow Release kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| Spillway Release kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| Total Release kaf | 43.4 | 41.6 | 43.1 | 43.1 | 61.7 | 98.4 | 87.2 | 51.0 | 49.5 | 64.5 | 70.9 | 41.1 | 695.5 |
| Total Release cfs | 705 | 700 | 701 | 701 | 1073 | 1600 | 1465 | 829 | 832 | 1050 | 1153 | 691 | |
| Evaporation kaf | 4.5 | 3.5 | 2.7 | 1.7 | 1.1 | 2.1 | 4.0 | 6.8 | 8.9 | 11.1 | 10.1 | 6.3 | 62.8 |
| End-month content kaf | 887.3 | 867.6 | 846.1 | 830.6 | 798.8 | 743.6 | 753.6 | 914.8 | 980.3 | 931.3 | 862.9 | 829.1 | |
| End-month elevation ft | 6350.25 | 6349.16 | 6347.95 | 6347.06 | 6345.19 | 6341.80 | 6342.43 | 6351.74 | 6355.15 | 6352.62 | 6348.90 | 6346.97 | |
| Generation gwh | 7.77 | 7.31 | 7.23 | 7.26 | 11.0 | 17.10 | 14.53 | 9.03 | 8.76 | 11.14 | 12.06 | 6.82 | 120.01 |

**Kortes Reservoir**

| | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Inflow kaf | 43.4 | 41.6 | 43.1 | 43.1 | 61.7 | 98.4 | 87.2 | 51.0 | 49.5 | 64.5 | 70.9 | 41.1 | 695.5 |
| Turbine Release kaf | 43.3 | 41.6 | 42.6 | 43.0 | 60.7 | 96.2 | 87.2 | 50.9 | 49.5 | 64.5 | 70.9 | 41.1 | 691.5 |
| Spillway Release kaf | 0.0 | 0.0 | 0.5 | 0.0 | 1.0 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 |
| Total Release kaf | 43.3 | 41.6 | 43.1 | 43.0 | 61.7 | 98.4 | 87.2 | 50.9 | 49.5 | 64.5 | 70.9 | 41.1 | 695.2 |
| Total Release cfs | 705 | 700 | 701 | 700 | 1073 | 1600 | 1466 | 827 | 832 | 1049 | 1153 | 690 | |
| Generation gwh | 7.57 | 7.31 | 7.35 | 7.38 | 10.59 | 16.90 | 14.86 | 8.96 | 8.49 | 10.99 | 12.02 | 7.05 | 119.47 |

**Pathfinder Reservoir** Initial Content 897.3 kaf

| | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sweetwater Inflow kaf | 3.8 | 3.9 | 3.3 | 3.2 | 4.7 | 4.8 | 8.3 | 14.0 | 7.9 | 2.8 | 1.3 | 1.2 | 59.2 |
| Kortes-Path Gain kaf | 12.1 | 12.5 | 9.5 | 11.5 | 15.1 | 18.2 | 20.2 | 35.4 | 19.1 | 10.3 | 9.2 | 9.6 | 182.7 |
| Inflow from Kortes kaf | 43.3 | 41.6 | 43.1 | 43.0 | 61.7 | 98.4 | 87.2 | 50.9 | 49.5 | 64.5 | 70.9 | 41.1 | 695.2 |
| Total Inflow kaf | 55.4 | 54.2 | 52.6 | 54.5 | 76.8 | 116.6 | 107.4 | 86.3 | 68.6 | 74.7 | 80.1 | 50.7 | 877.9 |
| Total Inflow cfs | 901 | 910 | 855 | 887 | 1336 | 1896 | 1806 | 1404 | 1153 | 1215 | 1302 | 851 | |
| Turbine Release kaf | 28.7 | 41.9 | 46.9 | 45.4 | 50.8 | 79.4 | 102.2 | 78.5 | 127.3 | 173.1 | 169.7 | 86.7 | 1030.6 |
| Jetflow Release kaf | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.9 | 25.9 | 0.0 | 61.9 |
| Spillway Release kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| Total Release kaf | 28.8 | 41.9 | 46.9 | 45.4 | 50.8 | 79.4 | 102.2 | 78.5 | 127.3 | 209.0 | 195.6 | 86.7 | 1092.5 |
| Total Release cfs | 469 | 705 | 763 | 739 | 883 | 1291 | 1718 | 1277 | 2140 | 3399 | 3181 | 1458 | |
| Evaporation kaf | 5.8 | 4.0 | 3.2 | 2.1 | 1.4 | 2.8 | 5.4 | 9.4 | 10.5 | 11.9 | 9.5 | 6.3 | 72.3 |
| End-month content kaf | 918.1 | 926.4 | 928.9 | 935.9 | 960.5 | 994.9 | 994.7 | 993.1 | 923.9 | 777.7 | 652.7 | 610.4 | |
| End-month elevation ft | 5845.48 | 5845.88 | 5846.00 | 5846.34 | 5847.51 | 5849.11 | 5849.10 | 5849.03 | 5845.76 | 5838.25 | 5830.91 | 5828.16 | |
| Generation Fremont gwh | 6.48 | 11.24 | 12.80 | 12.42 | 14.34 | 23.43 | 29.92 | 21.40 | 36.09 | 48.07 | 46.29 | 23.24 | 285.72 |

**Alcova Reservoir** Initial Content 179.6 kaf

| | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Inflow kaf | 28.8 | 41.9 | 46.9 | 45.4 | 50.8 | 79.4 | 102.2 | 78.5 | 127.3 | 209.0 | 195.6 | 86.7 | 1092.5 |
| Total Inflow cfs | 469 | 705 | 763 | 739 | 883 | 1291 | 1718 | 1277 | 2140 | 3399 | 3181 | 1458 | |
| Turbine Release kaf | 51.1 | 41.7 | 46.2 | 46.0 | 50.5 | 78.4 | 78.7 | 58.3 | 112.5 | 186.9 | 178.4 | 62.8 | 991.5 |
| Spillway Release kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 0.0 | 0.0 | 0.0 | 15.5 | 20.2 |
| Casper Canal Release kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.5 | 14.5 | 19.9 | 16.4 | 7.8 | 72.1 |
| Total Release kaf | 51.1 | 41.7 | 46.2 | 46.0 | 50.5 | 78.4 | 78.7 | 76.5 | 127.0 | 206.8 | 194.8 | 86.1 | 1083.8 |
| Total Release cfs | 831 | 700 | 752 | 748 | 879 | 1274 | 1323 | 1244 | 2134 | 3363 | 3168 | 1447 | |
| Evaporation kaf | 0.6 | 0.4 | 0.3 | 0.2 | 0.2 | 0.3 | 0.6 | 1.0 | 1.1 | 1.4 | 1.3 | 0.9 | 8.3 |
| End-month content kaf | 156.7 | 156.5 | 156.9 | 156.1 | 156.2 | 156.9 | 179.8 | 180.8 | 180.0 | 180.8 | 180.3 | 180.0 | |
| End-month elevation ft | 5488.29 | 5488.21 | 5488.37 | 5488.01 | 5488.06 | 5488.39 | 5498.12 | 5498.55 | 5498.21 | 5498.53 | 5498.31 | 5498.19 | |
| Generation gwh | 5.74 | 4.55 | 5.18 | 5.31 | 6.03 | 9.82 | 10.04 | 7.31 | 15.04 | 25.41 | 24.08 | 8.09 | 126.6 |

**Gray Reef Reservoir**

| | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Inflow kaf | 51.1 | 41.7 | 46.2 | 46.0 | 50.5 | 78.4 | 78.7 | 63.0 | 112.5 | 186.9 | 178.4 | 78.3 | 1011.7 |
| Total Inflow cfs | 831 | 700 | 752 | 748 | 879 | 1274 | 1323 | 1024 | 1891 | 3039 | 2901 | 1315 | |
| Total Release kaf | 50.8 | 41.7 | 46.1 | 46.1 | 50.0 | 78.6 | 79.0 | 62.5 | 112.5 | 186.7 | 178.3 | 78.1 | 1010.4 |
| Total Release cfs | 825 | 701 | 750 | 749 | 869 | 1279 | 1328 | 1016 | 1891 | 3036 | 2900 | 1313 | |

North Platte River Actual Reservoir Operations — Table 8

Water Year Beginning October 1999 — 

**Glendo Reservoir** — Initial Content 130.5 kaf

| | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alcova-Glendo Gain kaf | 5.9 | 4.4 | 10.7 | 8.5 | 11.4 | 12.4 | 50.6 | 87.1 | 3.3 | -7.4 | 0.5 | 6.2 | 193.6 |
| Infl from Gray Reef kaf | 50.8 | 41.7 | 46.1 | 46.1 | 50.0 | 78.6 | 79.0 | 62.5 | 112.5 | 186.7 | 178.3 | 78.1 | 1010.4 |
| Total Inflow kaf | 61.4 | 50.0 | 52.9 | 53.4 | 56.9 | 85.4 | 125.2 | 138.4 | 109.8 | 177.8 | 175.5 | 87.8 | 1174.5 |
| Total Inflow cfs | 998 | 840 | 861 | 868 | 990 | 1390 | 2104 | 2250 | 1845 | 2892 | 2855 | 1475 | |
| Turbine Release kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 67.4 | 141.2 | 179.6 | 212.5 | 223.0 | 130.4 | 954.1 |
| Low Flow Release kaf | 1.6 | 1.6 | 1.7 | 1.8 | 1.6 | 2.1 | 2.4 | 1.6 | 1.5 | 1.6 | 1.6 | 1.5 | 20.6 |
| Spillway Release kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Irrigation Release kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23.4 | 89.8 | 80.4 | 2.7 | 196.3 |
| Total Release kaf | 1.6 | 1.6 | 1.7 | 1.8 | 1.6 | 2.1 | 69.8 | 142.8 | 204.5 | 303.9 | 305.0 | 134.6 | 1171.0 |
| Total Release cfs | 26 | 28 | 27 | 30 | 28 | 34 | 1173 | 2323 | 3437 | 4943 | 4960 | 2262 | |
| Evaporation kaf | 1.2 | 1.0 | 0.3 | 0.7 | 0.8 | 1.4 | 3.0 | 4.6 | 5.5 | 5.4 | 4.0 | 1.9 | 29.8 |
| End-month content kaf | 189.1 | 236.5 | 287.4 | 338.3 | 392.8 | 474.7 | 527.1 | 518.1 | 417.9 | 286.4 | 152.9 | 104.2 | |
| End-month elevation ft | 4597.93 | 4605.01 | 4611.73 | 4617.76 | 4623.62 | 46.31.39 | 4635.77 | 4635.05 | 4626.12 | 4611.60 | 4591.67 | 4581.32 | |
| Generation gwh | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.79 | 16.00 | 19.69 | 20.98 | 18.91 | 9.46 | 91.83 |

**Guernsey Reservoir** — Initial Content 0.0 kaf

| | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Glendo-Guerns Gain kaf | 3.2 | 2.0 | 1.7 | 1.4 | 1.8 | 1.4 | 3.8 | 18.5 | 1.8 | -2.5 | -0.5 | 8.7 | 41.3 |
| Inflow from Glendo cfs | 1.6 | - 1.6 | 1.7 | 1.8 | 1.6 | 2.1 | 69.8 | 142.8 | 204.5 | 303.9 | 305.0 | 134.6 | 1171 |
| Total Inflow kaf | 4.8 | 3.6 | 3.4 | 3.3 | 3.4 | 3.5 | 73.6 | 161.4 | 206.4 | 301.5 | 304.5 | 143.3 | 1212.7 |
| Total Inflow cfs | 79 | 61 | 55 | 53 | 60 | 58 | 1237 | 2624 | 3468 | 4903 | 4953 | 2409 | |
| Turbine Release kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 53.2 | 63.2 | 64.2 | 33.6 | 66.3 | 61.8 | 342.3 |
| Seepage kaf | 0.5 | 0.3 | 0.2 | 0.4 | 0.6 | 0.6 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 |
| Spillway Release kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 97.3 | 142.0 | 273.0 | 235.8 | 101.5 | 852.1 |
| Total Release kaf | 0.5 | 0.3 | 0.2 | 0.4 | 0.6 | 0.6 | 55.8 | 160.5 | 206.2 | 306.6 | 302.1 | 163.3 | 1197.1 |
| Total Release cfs | 9 | 5 | 4 | 7 | 11 | 10 | 937 | 2610 | 3465 | 4986 | 4913 | 2744 | |
| Evaporation kaf | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.4 | 1.0 | 1.0 | 0.6 | 1.1 | 0.5 | 5.4 |
| End-month content kaf | 4.2 | 7.4 | 10.5 | 13.2 | 15.9 | 18.6 | 36.0 | 35.9 | 35.1 | 29.4 | 30.7 | 10.2 | |
| End-month elevation ft | 4393.16 | 4397.66 | 4400.75 | 4403.01 | 4404.95 | 4406.69 | 4415.76 | 4415.73 | 4415.35 | 4412.60 | 4413.29 | 4400.44 | |
| Generation gwh | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.37 | 4.69 | 4.49 | 2.29 | 4.73 | 4.40 | 23.97 |

## Flood Benefits

The Corps of Engineers, Omaha District, estimates that in Water Year 2000 flood damages of $2,815,200.00 were prevented because of the existence of dams in the North Platte System. Guernsey Dam is the only North Platte River Dam to which flood benefits were not assigned for the year (see table 9).

Table 9

**Flood Damage Prevented by Dams**
In the North Platte River System 1/

| DAMS | WATER YEAR 2000 | PRIOR TO 2000 | ACCUMULATED TOTAL |
|---|---|---|---|
| SEMINOE | $193,300 | $27,449,500 | $27,642,800 |
| PATHFINDER | $28,400 | $8,731,800 | $8,760,200 |
| ALCOVA | $1,400 | $476,100 | $477,500 |
| GLENDO | $2,592,100 | $57,487,900 | $60,080,000 |
| GUERNSEY | $0 | $439,000 | $439,000 |
| TOTAL | $2,815,200 | $94,584,300 | $97,399,500 |

1/This data is received from the Army Corps of Engineers Omaha District Office and is revised every October. The period of assessment is 1970 through 2000 except for Glendo Dam, which is 1965 through 2000.

Table 10

**Power Generation Water Year 2000**

| Powerplant | Gross generation (Giga-watt Hours) | Percent of average 1/ |
|---|---|---|
| Seminoe | 120.0 | 80 |
| Kortes | 119.5 | 76 |
| Fremont Canyon | 285.7 | 111 |
| Alcova | 126.6 | 98 |
| Glendo | 91.8 | 103 |
| Guernsey | 24.0 | 107 |
| Total Basin | 767.6 | 95 |

1/ 30 year average (1970-1999).

Table 11

**Most Probable Power Generation Water Year 2001**

| Powerplant | Gross generation (giga-watt hours) 1/ | Percent of average 2/ |
|---|---|---|
| Seminoe | 157.4 3/ | 106 |
| Kortes | 159.3 | 103 |
| Fremont Canyon | 252.8 | 97 |
| Alcova | 115.2 | 89 |
| Glendo | 86.0 | 96 |
| Guernsey | 21.7 | 98 |
| Total Basin | 792.4 | 98 |

1/ Gross generation based on October 1999 storage and 786,000 AF April-July Most Probable expected inflow plan.
2/ 30 year average (1971-2000).

Table 12

**North Platte River Powerplant Data**

| Powerplant | Number of Units | Capacity each Unit (Kw) | Total 2/ installed Capacity (Kw) | Normal operating Head (Ft) | Output at rated Head ($Ft^3/s$) | 30 Year Average 1/ (Kw) |
|---|---|---|---|---|---|---|
| Seminoe | 3 | 15,000 | 45,000 | 97-227 | 4,050 | 147,900 |
| Kortes | 3 | 12,000 | 36,000 | 192-204 | 2,910 | 155,200 |
| Fremont Canyon | 2 | 33,000 | 66,800 | 247-363 | 3,080 | 261,900 |
| Alcova | 2 | 18,000 | 36,000 | 153-165 | 4,100 | 129,800 |
| Glendo | 2 | 19,000 | 38,000 | 73-156 | 3,400 | 89,400 |
| Guernsey | 2 | 3,200 | 6,400 | 89-91 | 1,340 | 22,200 |
| Total | 14 | ----- | 228,200 | ----- | ----- | 806,400 |

1/1971-2000

2/Installed capacity from Monthly Report of Power Operations - Powerplant (Form 59)

Table 13

**Proposed Generating Unit Maintenance Schedule**
**North Platte River System**
**October 2000 Through September 2001**

| Facility and Unit No. | Scheduled Period | Description of Work |
|---|---|---|
| Alcova Unit #2 | 09-05-00 through 03-22-01 | Annual Maintenance/rewind And commissioning |
| Seminoe Unit #1 | 09-11-00 through 10-25-00 | Annual Maintenance |
| Fremont Unit #2 | 09-25-00 through 11-0-00 | Annual Maintenance |
| Kortes Unit #1 | 10-02-00 through 10-25-00 | Annual Maintenance |
| Guernsey Unit #1 | 10-16-00 through 11-22-00 | Annual Maintenance |
| Glendo Unit #1 | 10-30-00 through 11-16-00 | Annual Maintenance |
| Kortes Unit #2 | 10-30-00 through 11-20-00 | Annual Maintenance |
| Fremont Unit #1 | 11-13-00 through 12-08-00 | Annual Maintenance |
| Kortes Unit #3 | 11-21-00 through 12-27-00 | Annual Maintenance |
| Guernsey Unit #2 | 01-02-01 through 01-18-01 | Annual Maintenance |
| Glendo Unit #2 | 01-02-01 through 02-08-01 | Annual Maintenance |
| Seminoe Unit #3 | 01-03-01 through 02-14-01 | Annual Maintenance |
| Seminoe Unit #2 | 02-20-01 through 03-28-01 | Annual Maintenance |
| Alcova Unit #1 | 03-26-01 through 04-26-01 | Annual Maintenance |

## PROPOSED OPERATIONS FOR WATER YEAR 2001

Three operation studies were developed for the System to establish an AOP for Water Year 2001. Each of the studies conformed to the established operating criteria but used different inflow conditions and different demand conditions.

The three inflow conditions were determined from a statistical analysis of historic inflows and were labeled reasonable minimum, reasonable maximum, and most probable. Reservoir inflow during Water Year 2001 has a one-in-ten chance of being less than the reasonable minimum. Statistically, inflows in 2001 will have an eight-in-ten chance of falling between the two extremes. The most probable inflow is based on long-term averages and approximates a 50 percent chance of occurrence. The three studies for Water Year 2001 are summarized numerically in tables 14A, 14B, and 14C.

The AOP, as developed and reflected in the three studies, provides the flexibility to adjust operations as conditions change during the Water Year. Forecasts of the April-July reservoir inflow will be made at the beginning of each month for February through May. Projected operating schedules will be adjusted, as required, throughout the Water Year as changes occur in the forecasted inflows, irrigation demands, maintenance schedules, and power loads.

The total storage in mainstem reservoirs on the North Platte River in Wyoming (including Kortes Reservoir and Gray Reef Reservoir) was 1,740,122 AF at the beginning of the Water Year 2001. This amount was 108 percent of the 30 year average (1971-2000).

## Seminoe Reservoir

### Most Probable Condition - 2001

October through March -- Seminoe Reservoir storage of 829,060 AF, at the beginning of the Water Year, is 111 percent of the 30-year average. Planned turbine releases from Seminoe Reservoir of 900 cfs for October through January, will be increased to 1,100 cfs in February and then increased again to 1,800 cfs by March, causing the reservoir storage to decrease to about 609,100 AF by March 31. These releases are projected based on a statistically estimated Seminoe inflow for the October through March period of 178,900 AF. A Kortes release of at least 500 cfs is required to maintain the minimum flow in the Miracle Mile reach of the river.

April through September -- Turbine releases are expected to average approximately 2,350 cfs in April; 1,900 cfs in May and June and decrease to 1,000 cfs in July and August; and 700 cfs in September. The total release from the reservoir during the April to September period will be scheduled through the power generators to provide storage space for the April-July inflow and meet downstream requirements. With most probable inflow, storage will reach a maximum of 932,400 AF by the end of July. Projected carryover storage of about 873,100 AF at the end of the Water Year would be 117 percent of average.

### Reasonable Minimum Condition - 2001

October through March -- Water releases for this period under a reasonable minimum inflow condition would be 900 cfs from October through January and then reduced to 600 cfs. A release of at least 500 cfs is required to maintain the minimum flow in the Miracle Mile reach of the river. Under this condition inflows would be expected to be 150,800 AF for the period, which is 28,100 AF less than in the most probable condition. The March 31 reservoir content would be expected to be approximately 681,900 AF under these conditions.

April through September -- Seminoe water releases will remain at approximately 600 cfs in April and increase to 1,800 cfs in May in order to meet irrigation requirements and provide increased power production. The releases will be increased to 2,000 cfs in June and July and then decrease to approximately 1,900 cfs, for August and 800 cfs in September. Under these conditions the Water Year will end with a Seminoe Reservoir content of 490,300 AF (66 percent of average). The end of month content under these conditions will be approximately 726,700 AF at the end of June.

Reasonable Maximum Condition - 2001

October through March -- Water releases for this period under a reasonable maximum inflow condition would be similar to the most probable condition as water is moved downstream to generate power and make room in Seminoe Reservoir for spring runoff. Although inflows to Seminoe Reservoir would be higher under these conditions, actual changes in winter operations would be made gradually until it was evident that the inflow quantities being experienced were showing a trend towards the reasonable maximum inflows for the Water Year. October through March inflows under this condition will be 221,100 AF, which is 42,200 AF more than the most probable runoff condition. The reservoir content would decrease from 829,060 AF at the beginning of October to 519,400 AF by the end of March under these conditions.

April through September -- Seminoe Reservoir release for April will be 2,600 cfs and will be increased in May to an average of 3,860 cfs. Releases will average approximately 4,750 cfs for June, and decrease to about 2,860 cfs in July, and then decrease further to a release of about 1,400 cfs in August. The September Seminoe Reservoir release should average 1,000 cfs. Inflows for the April through July period will be 1,341,000 AF, which is 555,000 AF more than the most probable runoff condition. Seminoe Reservoir will reach its maximum end of month content for the year in July with approximately 980,000 AF in storage. This plan of operation would result in an end of year carryover storage of 918,800 AF, which would be 123 percent of average.

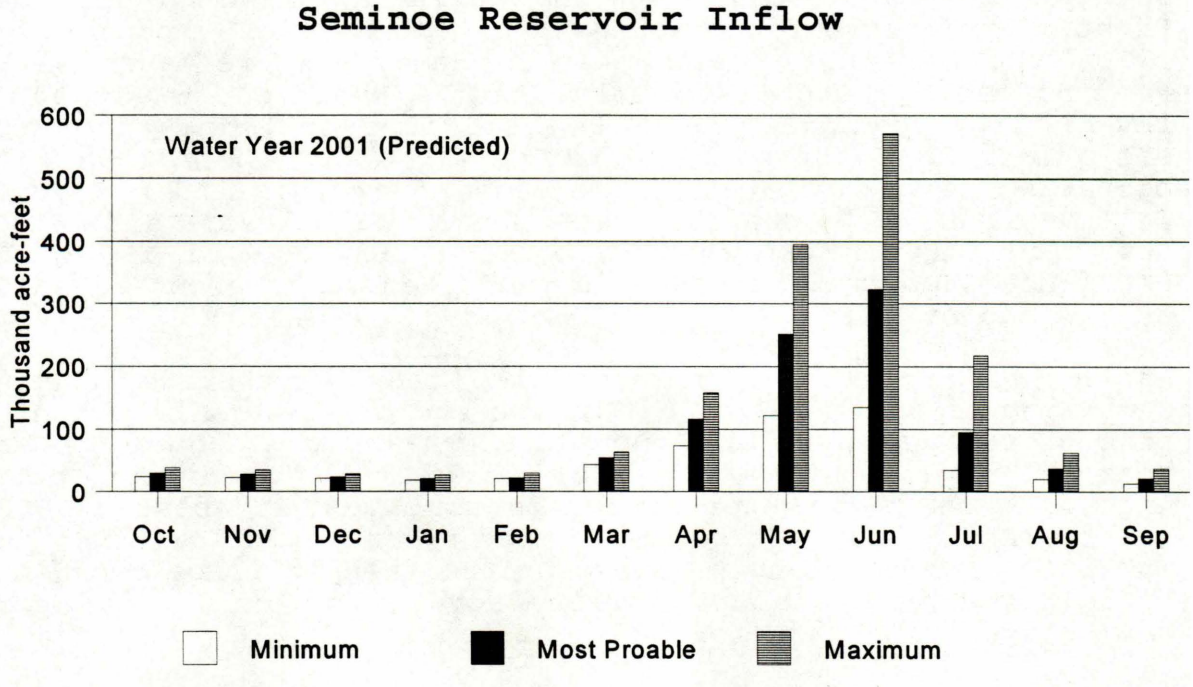



**Figure 12**

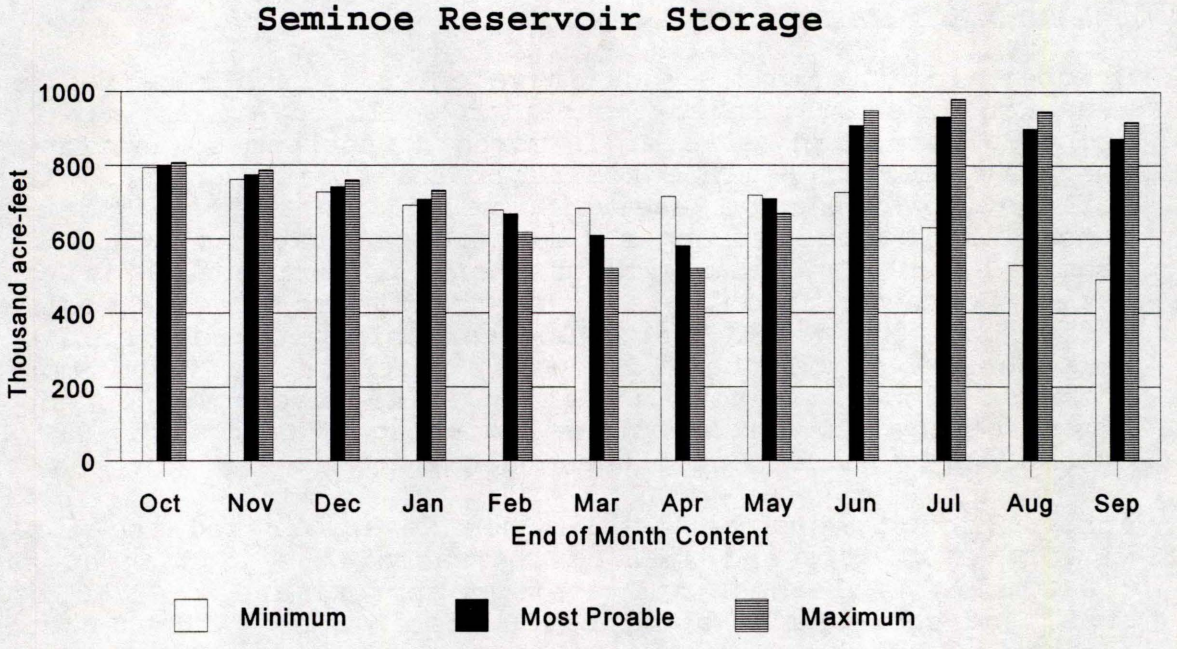



**Figure 13**

## Pathfinder Reservoir

### Most Probable Condition - 2001

October through March -- At the beginning of the Water Year, Pathfinder Reservoir storage is 610,429 AF or 107 percent of the 1971-2000 average. Fremont Canyon Powerplant releases will be reduced during October to allow Alcova Reservoir water surface level to be lowered to 5488.0 ± 1.0 foot, which is the normal elevation range for winter operation. After the Alcova winter operating range is reached, releases from Pathfinder Reservoir will be adjusted to meet Gray Reef Reservoir releases and maintain the Alcova Reservoir content between 153,800 and 158,300 AF. Pathfinder Reservoir storage is projected to be about 817,800 AF at the end of March.

April through September -- Pathfinder Reservoir storage will reach a maximum of about 908,800 AF by the end of May and be drawn down to a storage content of about 675,800 AF by the end of the Water Year. River gain between Kortes and Pathfinder Reservoirs, including the Sweetwater River, is estimated at about 83,600 AF for the April-July period under most probable inflow conditions. In April, Fremont Canyon Powerplant releases will be coordinated with Alcova releases to refill Alcova Reservoir to its normal summer operating range of 5498 ± 1 foot.

During May through September, Fremont Canyon power releases will be scheduled to meet downstream irrigation deliveries and maintain Alcova Reservoir within its normal summer operating range of 5498 ± 1 foot. During May and June, water releases will average approximately 1,860 cfs and 2,310 cfs, respectively. In July and August Fremont Canyon turbine releases are expected to average approximately 2,520 cfs and 2,400 cfs, respectively, with releases reduced in September to approximately 1,320 cfs.

Reasonable Minimum Condition - 2001

October through March -- Water releases for this period under a reasonable minimum inflow condition would be the same as in the most probable condition. Under this condition, gains to the river between Kortes Dam and Pathfinder Dam, including the Sweetwater River, are expected to be 18,800 AF for the period. Pathfinder Reservoir storage will reach about 679,800 AF by the end of March. Fremont Canyon Powerplant releases for the period will be scheduled to maintain approximately 156,000 AF of water in Alcova Reservoir.

April through September -- River gains between Kortes Dam and Pathfinder Reservoir, including the Sweetwater River, are estimated at about 52,900 AF for the April-July period under reasonable minimum inflow conditions. In April, releases will be coordinated with Alcova releases to refill Alcova Reservoir to its normal summer operating range of 5498 ft ± 1 foot by the end of April.

During April through September, Fremont Canyon power releases will be scheduled to meet Kendrick Project and downstream irrigation deliveries and maintain a storage content of approximately 179,400 AF in Alcova Reservoir. Summer releases will increase to average approximately 3,330 cfs during August, then end the Water Year at approximately 810 cfs during September. If reasonable minimum runoff develops, the reservoir content at the end of the Water Year will be about 351,700 AF or 62 percent of average.

Reasonable Maximum Condition - 2001

October through March -- Water releases for this period under a reasonable maximum inflow condition would be similar to the most probable condition except for March when release would be increased in anticipation of runoff. Under this condition, gains between Kortes Dam and Pathfinder Dam would be expected to be 35,800 AF for the period. Pathfinder Reservoir content increases through this period from 655,300 AF at the end of October to 908,600 AF by the end of March as releases from Seminoe Reservoir are increased to generate power during the winter.

April through September -- In April, water releases from Fremont Canyon Powerplant will be increased as Alcova Reservoir is refilled to water surface elevation 5498 ± one foot. The rate of release will be increased through the summer as needed to meet downstream irrigation demands. Pathfinder Reservoir would fill to its maximum content of 1,001,200 AF during May while releases average about 5,420 cfs in June and then decrease to approximately 4,210 cfs in July and further decrease to 1,950 cfs by August ending the Water Year with flows of approximately 930 cfs. A bypass release through the jet flow valves of 310,100 AF would be required during the months of May through July under maximum conditions. The Pathfinder Reservoir end of year storage content is projected to be about 889,800 AF, which would be 156 percent of average.

**Gains to the North Platte River**
**Kortes Dam to Pathfinder Dam**
**Including Sweetwater Inflow**

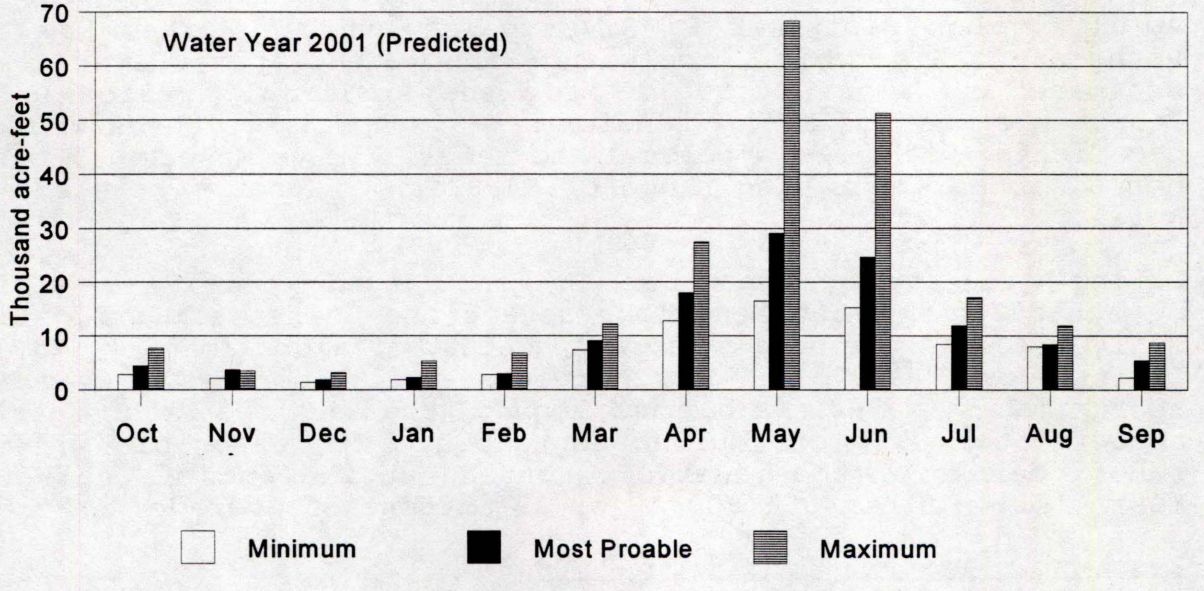



**Figure 14**

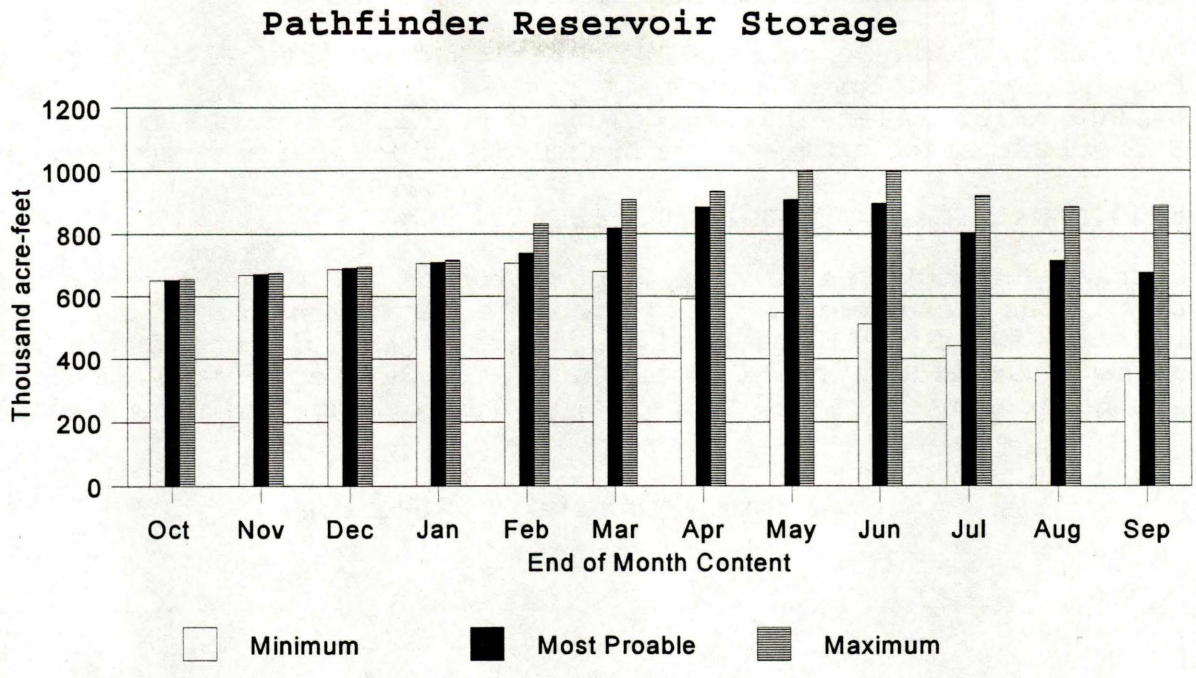



**Figure 15**

## Alcova Reservoir

### Most Probable Condition - 2001

October through March -- During October, Alcova Reservoir will be drawn down to the normal winter operating range of 5488.0 ± 1.0 foot and will be maintained there through March. The releases through March will be maintained at approximately 600 cfs for production of power, maintenance of fishery flows, pollution abatement, and transfer of water to Glendo Reservoir in preparation for meeting downstream irrigation demands during the coming irrigation season.

April through September -- During April, the reservoir will be refilled to water surface elevation 5,498 feet (179,400 AF). This level will be maintained within ± 1 foot to provide the necessary water surface elevation to make irrigation deliveries to Casper Canal and for recreational purposes. About 74,000 AF of water are scheduled to be delivered during the May-September period to meet Kendrick Project irrigation requirements. Releases from Alcova Reservoir will be re-regulated in Gray Reef Reservoir.

Reasonable Minimum Condition - 2001

October through September -- Operation of Alcova Reservoir would be the same as under the most probable condition, except about 84,000 AF of water are scheduled to be delivered during the May-September period to meet Kendrick Project irrigation requirements.

Reasonable Maximum Condition - 2001

October through September -- Operation of Alcova Reservoir would be the same as under the most probable condition except that March releases would be increased in anticipation of runoff and water delivered through the Casper Canal to the Kendrick Project for irrigation is estimated to be 74,000 AF for the irrigation season.

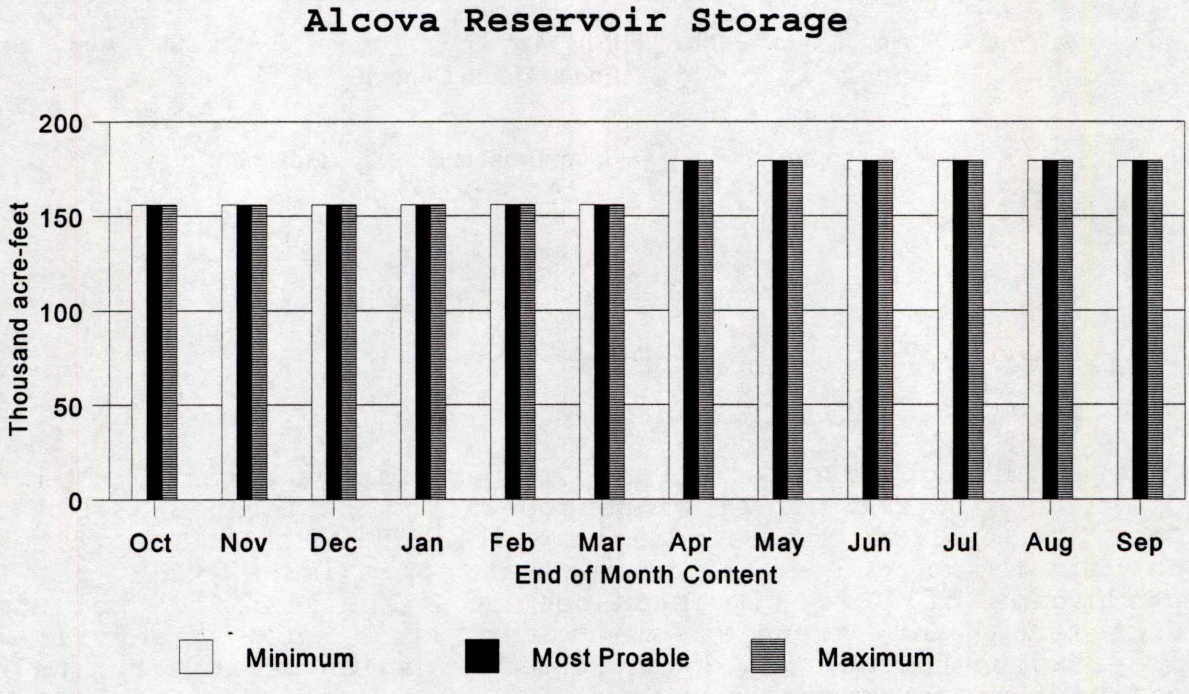



**Figure 16**

Gray Reef Reservoir

Most Probable Condition - 2001

October through March -- From October through March the water releases from Gray Reef Dam will be maintained at approximately 600 cfs. This will result in a winter river level the same as last year. The 30-year average flow below Gray Reef ranges between 780 cfs and 1,050 cfs for the months of October through March.

April through September -- Releases from Gray Reef Reservoir will average about 1,000 cfs in the month of April. The May through September releases are expected to be approximately 1,600 cfs in May; 2,000 cfs in June; 2,200 cfs in July; 2,100 cfs in August; and 1,180 cfs in September as project irrigation water is moved downstream.

Reasonable Minimum Condition - 2001

October through March -- Operation of Gray Reef Reservoir would be the same as under the most probable condition until March when releases will be increased to 1,100 cfs.

April through September -- Releases from Gray Reef Reservoir will average approximately 1,800 cfs in April, increasing to 2,400 cfs in May and June. The releases will be further increased in July to 2,800 cfs and increased to 3,000 cfs in August. The September releases will be reduced to average 650 cfs. These predicted flows may be redistributed as the irrigators adjust their use of water from storage.

Reasonable Maximum Condition - 2001

October through March -- Operation of Gray Reef Reservoir would be the same as under the most probable condition, except for March when releases would be increased in anticipation of runoff.

April through September -- Releases of 2,100 cfs in April and 3,500 cfs in May, would be required to move water through the system to avoid filling and spilling upstream reservoirs. Release will then be increased to average 5,100 cfs during June and decreased to 3,900 cfs in July. The releases will be further decreased to a flow of about 800 cfs by the end of September.

## Glendo and Guernsey Reservoirs

Most Probable Condition - 2001

October through March -- Carryover storage of 104,173 AF in Glendo Reservoir on September 30, 2000 was 105 percent of average. With restorage of North Platte Project water released from Alcova and with North Platte River gains below Alcova Dam estimated to be near normal, Glendo Reservoir storage will increase to about 380,700 AF by the end of March.

A constant release of 25 cfs is planned for the Glendo Dam Outlet works which will provide the necessary water to maintain a year round fishery in the North Platte River between Glendo Dam and Guernsey Reservoir. The water released will be restored in Guernsey Reservoir.

Guernsey Reservoir contained 10,160 AF of water at the end of Water Year 2000. Natural inflow, as well as the low flow releases from Glendo Dam, will be stored during the winter which will increase storage to 22,000 AF by March 31.

April through September -- Glendo Reservoir storage will be about 511,200 AF by the end of June. During April releases from Glendo Reservoir will be scheduled to refill Guernsey Reservoir. Releases from Glendo Reservoir during the April through September period will be based upon meeting a full irrigation demand of 1,010,000 AF for the North Platte Project and 28,000 AF for the Glendo Unit. Maximum Glendo Reservoir storage for the Water Year will be 511,200 AF at the end of June which is approximately 0.50 feet below a full reservoir at elevation of 4634.5 ft.

Guernsey Reservoir content will be maintained near 35,000 AF during April, May and June and lowered to 30,000 AF during July and August. Provision is made in the plan for a possible silt run in July, which will require close coordination of Glendo and Guernsey release schedules as Guernsey is drawn down to about 1,000 AF in July and refilled to about 30,000 AF around the end of July. During September, releases from Gray Reef will be scheduled to complete Glendo drawdown to about 65,000 AF. During September Guernsey Reservoir will be lowered to approximately 5,000 AF.

Reasonable Minimum Condition - 2001

October through March -- Guernsey Reservoir contained 10,160 AF of water at the end of Water Year 2000. Under the reasonable minimum inflow conditions the natural inflow will be stored during the winter, as well as the low flow release from Glendo Dam, which will increase the Guernsey Reservoir content to 20,400 AF by March 31. Glendo Reservoir content will increase from the carryover storage of 104,173 AF to a March 31 content of 393,400 AF.

April through September -- Glendo Reservoir storage will increase to about 475,900 AF by the end of May, which will be the largest end of month content for the year. At this level, it would take approximately 41,600 AF of water to bring Glendo to a full Reservoir at elevation of 4635 ft. During April releases from Glendo Reservoir will be scheduled to refill Guernsey Reservoir.

The operation of Glendo and Guernsey Reservoirs will be based upon making full irrigation deliveries to the Glendo Unit and the North Platte Project. The total combined North Platte System reservoir storage would be approximately 710,100 AF less by the end of the Water Year under reasonable minimum water supply conditions than under the most probable conditions.

Guernsey Reservoir content will be maintained near 35,000 AF during May and June and lowered to 30,000 AF during July and August. Provision is made in the plan for a possible silt run in July, which will require close coordination of Glendo and Guernsey release schedules as Guernsey is drawn down to about 1,000 AF in July and refilled to 30,000 AF by July 31. September releases will be made to meet irrigation requirements leaving 65,000 AF of water in Glendo Reservoir at years end. Guernsey Reservoir content on September 30 will be 1,800 AF under minimum conditions.

Reasonable Maximum Condition - 2001

October through March -- Guernsey Reservoir contained 10,160 AF of water at the end of Water Year 2000. Under the reasonable maximum inflow conditions, the natural inflow as well as the 25 cfs river maintenance release from Glendo will be stored during the winter, which will increase the reservoir content to 27,000 AF by March 31. Glendo Reservoir content is expected to increase from the starting content of 104,173 AF to an end of March content of 437,000 AF.

April through September -- Under maximum conditions an evacuation of excess water above the irrigation demand would be required. A total of 1,130,000 AF of water would be released from the system starting as early as March, 2001. Guernsey Reservoir content reaches a maximum end of month content of 35,000 AF in April through June. Under reasonable maximum conditions Glendo Reservoir will reach near conservation capacity of 517,000 AF during May. Provision is made in the plan for a possible silt run in July, which will require close coordination of Glendo and Guernsey release schedules as Guernsey is drawn down to about 1,000 AF in July and refilled to 32,000 AF by the end of the month. During September releases will be scheduled to lower Guernsey Reservoir to approximately 5,000 AF.

The operating plan shown assumes no downstream flow restrictions and normal irrigation deliveries. Glendo storage is projected to decrease to about 350,000 AF by the end of July and will be about 65,000 AF by the end of September. This end of year Glendo storage would be 69 percent of average and the total System storage at the end of the Water Year of 2,063,900 AF which includes about 6,300 AF of storage in Kortes and Gray Reef Reservoirs, would be 128 percent of average.

## Gains to the North Platte River
## Alcova Dam to Glendo Reservoir

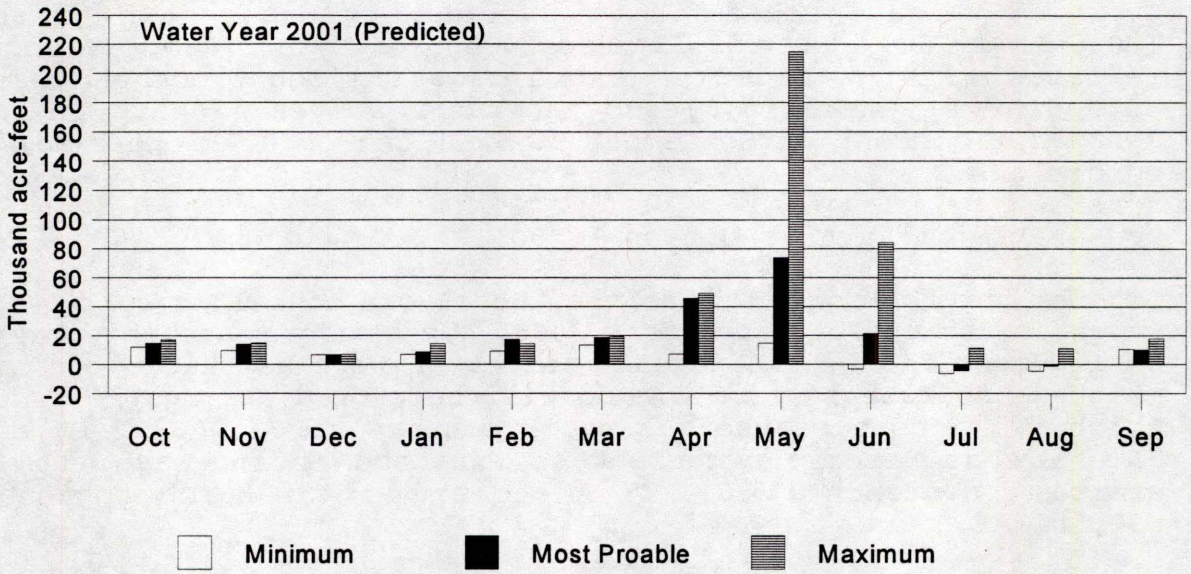



Figure 17

## Glendo Reservoir Storage

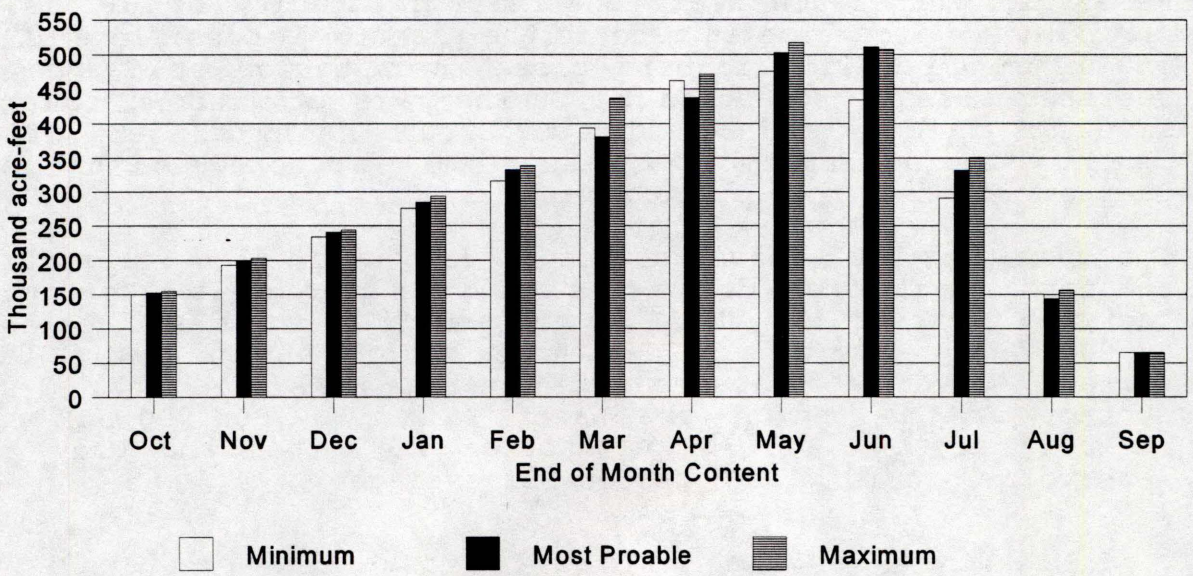



Figure 18

## Ownerships

### Most Probable Condition - 2001

At the close of Water Year 2001 the North Platte Project storage ownership is expected to be near 528,100 AF (113 percent of average); the Kendrick Project storage ownership is expected to be near 1,120,800 AF (113 percent of average). Glendo storage ownership at the end of Water Year 2001 is expected to be near average with an end-of-season content of 146,300 AF (104 percent of average). All storage water ownerships in the North Platte River System will fill during the Water Year under most probable conditions. Also 90,000 AF of water will be captured in the reservoirs as excess to ownership. All excess will be released as natural flow except for approximately 15,000 AF which will be retained and used as operational water.

### Reasonable Minimum Condition - 2001

The North Platte Project storage ownership is expected to be 122,000 AF at the close of the Water Year compared to 528,100 AF with the most probable runoff conditions. The North Platte Project ownership will not fill under minimum conditions. The Kendrick Project storage ownership is expected to be near 958,700 AF which is 96 percent of average at the close of the Water Year. The Kendrick Project ownership will not accrue any water under the reasonable minimum conditions. Glendo storage ownership is expected to be near 110,600 AF (78 percent of average) at the close of Water Year 2001 under the reasonable minimum runoff conditions. The Glendo Unit ownership will not accrue any water during the Water Year.

Reasonable Maximum Condition - 2001

All storage water ownerships in the North Platte River System will fill during the Water Year. About 935,000 AF of water, will be captured in the reservoirs as excess to ownership in the North Platte System. The excess water will be released from the System to meet irrigation demands and approximately 15,000 AF will be retained and used as operational water, if the reasonable maximum runoff develops in the pattern that was assumed.

**End of September Ownership**
**Water Year 2001 (Predicted)**

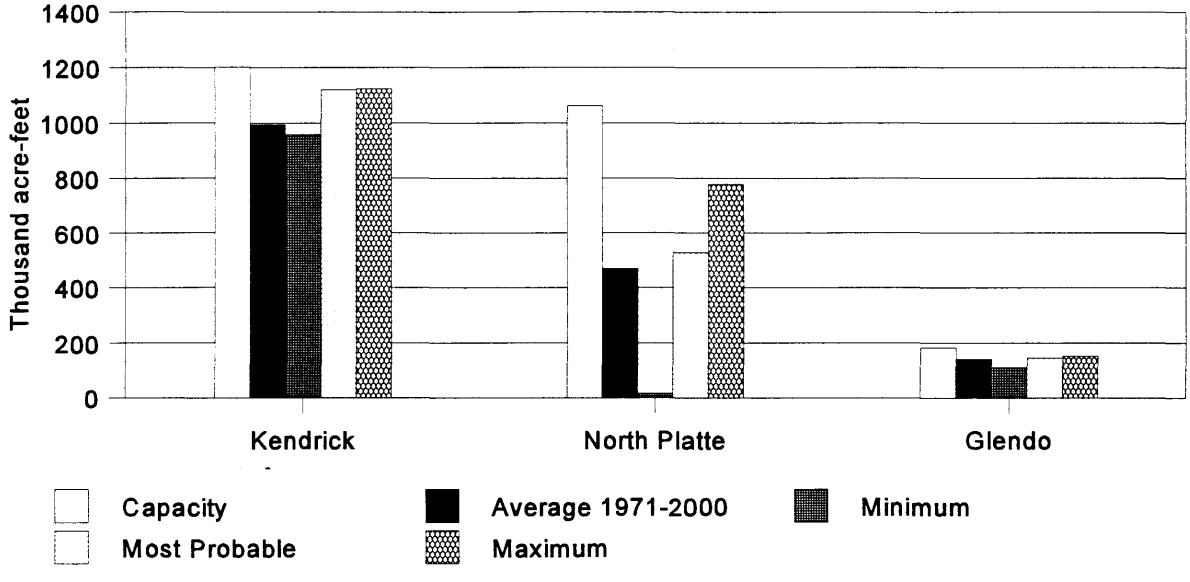



**Figure 19**

NORTH PLATTE RIVER OPERATING PLAN
Year Beginning Oct 2000

HYDROLOGY OPERATIONS

Seminoe Reservoir Operations — Initial Content 829.1 Kaf — Operating Limits: Max 1017.3 Kaf, 6357.00 Ft. Min 31.7 Kaf, 6239.02 Ft.

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Inflow | kaf | 29.8 | 28.2 | 23.7 | 20.9 | 22.0 | 54.3 | 116.2 | 251.3 | 322.3 | 95.6 | 37.3 | 21.3 |
| Total Inflow | cfs | 485. | 474. | 385. | 340. | 396. | 883. | 1953. | 4087. | 5416. | 1555. | 607. | 358. |
| Turbine Release | kaf | 55.5 | 53.6 | 55.4 | 55.4 | 61.1 | 110.7 | 139.9 | 116.8 | 113.1 | 61.5 | 61.5 | 41.7 |
| Jetflow Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Spillway Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Release | kaf | 55.5 | 53.6 | 55.4 | 55.4 | 61.1 | 110.7 | 139.9 | 116.8 | 113.1 | 61.5 | 61.5 | 41.7 |
| Total Release | cfs | 903. | 901. | 901. | 901. | 1100. | 1800. | 2351. | 1900. | 1901. | 1000. | 1000. | 701. |
| Evaporation | kaf | 4.8 | 2.5 | 1.4 | 1.3 | 1.2 | 2.4 | 4.3 | 4.5 | 8.7 | 10.6 | 9.1 | 6.5 |
| End-month content | kaf | 800.7* | 774.1* | 742.4* | 708.1* | 667.8* | 609.1* | 581.2* | 708.8* | 908.4* | 932.4* | 899.7* | 873.1* |
| End-month elevation | ft | 6345.3 | 6343.7 | 6341.7 | 6339.5 | 6336.8 | 6332.6 | 6330.5 | 6339.6 | 6351.4 | 6352.7 | 6350.9 | 6349.5 |

Kortes Reservoir Operations — Initial Content 4.7 Kaf — Operating Limits: Max 4.8 Kaf, 6142.73 Ft. Min 1.7 Kaf, 6092.73 Ft.

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Inflow | kaf | 55.5 | 53.6 | 55.4 | 55.4 | 61.1 | 110.7 | 139.9 | 116.8 | 113.1 | 61.5 | 61.5 | 41.7 |
| Total Inflow | cfs | 903. | 901. | 901. | 901. | 1100. | 1800. | 2351. | 1900. | 1901. | 1000. | 1000. | 701. |
| Turbine Release | kaf | 55.4 | 53.6 | 55.4 | 55.4 | 61.1 | 110.7 | 139.9 | 116.8 | 113.1 | 61.5 | 61.5 | 41.7 |
| Spillway Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Release | kaf | 55.4 | 53.6 | 55.4 | 55.4 | 61.1 | 110.7 | 139.9 | 116.8 | 113.1 | 61.5 | 61.5 | 41.7 |
| Total Release | cfs | 901. | 901. | 901. | 901. | 1100. | 1800. | 2351. | 1900. | 1901. | 1000. | 1000. | 701. |

Pathfinder Reservoir Operations — Initial Content 610.4 Kaf — Operating Limits: Max 1016.5 Kaf, 5850.10 Ft. Min 31.4 Kaf, 5746.00 Ft.

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sweetwater Inflow | kaf | 2.9 | 3.2 | 3.0 | 3.3 | 3.4 | 4.4 | 12.1 | 18.7 | 20.1 | 7.5 | 2.6 | 1.3 |
| Kortes-Path Gain | kaf | 1.6 | 0.6 | -1.0 | -0.9 | -0.3 | 4.7 | 5.9 | 10.4 | 4.5 | 4.4 | 5.8 | 4.2 |
| Inflow from Kortes | kaf | 55.4 | 53.6 | 55.4 | 55.4 | 61.1 | 110.7 | 139.9 | 116.8 | 113.1 | 61.5 | 61.5 | 41.7 |
| Total Inflow | kaf | 59.9 | 57.4 | 57.4 | 57.8 | 64.2 | 119.8 | 157.9 | 145.9 | 137.7 | 73.4 | 69.9 | 47.2 |
| Total Inflow | cfs | 974. | 965. | 934. | 940. | 1156. | 1948. | 2654. | 2373. | 2314. | 1194. | 1137. | 793. |
| Turbine Release | kaf | 13.8 | 36.0 | 37.1 | 37.1 | 33.6 | 37.3 | 83.9 | 114.5 | 137.5 | 155.0 | 147.6 | 78.4 |
| Jetflow Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Spillway Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Release | kaf | 13.8 | 36.0 | 37.1 | 37.1 | 33.6 | 37.3 | 83.9 | 114.5 | 137.5 | 155.0 | 147.6 | 78.4 |
| Total Release | cfs | 224. | 605. | 603. | 603. | 605. | 607. | 1410. | 1862. | 2311. | 2521. | 2400. | 1318. |
| Evaporation | kaf | 4.3 | 2.5 | 1.4 | 1.4 | 1.4 | 3.2 | 6.4 | 8.0 | 12.0 | 12.8 | 10.4 | 7.5 |
| End-month content | kaf | 652.2 | 671.1 | 690.0 | 709.3 | 738.5 | 817.8 | 885.4 | 908.8 | 897.0 | 802.6 | 714.5 | 675.8 |
| End-month elevation | ft | 5830.9 | 5832.1 | 5833.2 | 5834.4 | 5836.1 | 5840.4 | 5843.9 | 5845.0 | 5844.5 | 5839.6 | 5834.7 | 5832.4 |

Alcova Reservoir Operations — Initial Content 180.0 Kaf — Operating Limits: Max 184.4 Kaf, 5500.00 Ft. Min 100.0 Kaf, 5459.92 Ft.

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Inflow | kaf | 13.8 | 36.0 | 37.1 | 37.1 | 33.6 | 37.3 | 83.9 | 114.5 | 137.5 | 155.0 | 147.6 | 78.4 |
| Total Inflow | cfs | 224. | 605. | 603. | 603. | 605. | 607. | 1410. | 1862. | 2311. | 2521. | 2400. | 1318. |
| Turbine Release | kaf | 37.2 | 35.7 | 36.9 | 36.9 | 33.4 | 36.9 | 59.6 | 98.5 | 119.1 | 135.4 | 129.2 | 70.3 |
| Spillway Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Casper Canal Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.0 | 17.0 | 18.0 | 17.0 | 7.0 |
| Total Release | kaf | 37.2 | 35.7 | 36.9 | 36.9 | 33.4 | 36.9 | 59.6 | 113.5 | 136.1 | 153.4 | 146.2 | 77.3 |
| Total Release | cfs | 605. | 600. | 600. | 600. | 601. | 600. | 1002. | 1846. | 2287. | 2495. | 2378. | 1299. |
| Evaporation | kaf | 0.7 | 0.3 | 0.2 | 0.2 | 0.2 | 0.4 | 0.8 | 1.0 | 1.4 | 1.6 | 1.4 | 1.1 |
| End-month content | kaf | 155.9* | 155.9* | 155.9* | 155.9* | 155.9* | 155.9* | 179.4* | 179.4* | 179.4* | 179.4* | 179.4* | 179.4* |
| End-month elevation | ft | 5487.9 | 5487.9 | 5487.9 | 5487.9 | 5487.9 | 5487.9 | 5498.0 | 5498.0 | 5498.0 | 5498.0 | 5498.0 | 5498.0 |

NORTH PLATTE RIVER OPERATING PLAN
Year Beginning Oct 2000

Gray Reef Reservoir Operations — Initial Content 1.6 Kaf — Operating Limits: Max 1.8 Kaf, 5332.00 Ft. Min 0.0 Kaf, 5306.00 Ft.

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Inflow | kaf | 37.2 | 35.7 | 36.9 | 36.9 | 33.4 | 36.9 | 59.6 | 98.5 | 119.1 | 135.4 | 129.2 | 70.3 |
| Total Inflow | cfs | 605. | 600. | 600. | 600. | 601. | 600. | 1002. | 1602. | 2002. | 2202. | 2101. | 1181. |
| Total Release | kaf | 36.9 | 35.7 | 36.9 | 36.9 | 33.4 | 36.9 | 59.5 | 98.4 | 119.0 | 135.3 | 129.1 | 70.2 |
| Total Release | cfs | 600. | 600. | 600. | 600. | 601. | 600. | 1000. | 1600. | 2000. | 2200. | 2100. | 1180. |

Glendo Reservoir Operations — Initial Content 104.2 Kaf — Operating Limits: Max 789.4 Kaf, 4653.00 Ft. Min 63.2 Kaf, 4570.02 Ft.

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alcova-Glendo Gain | kaf | 14.7 | 13.9 | 6.9 | 8.5 | 17.2 | 18.6 | 45.7 | 73.7 | 21.2 | -4.5 | -9.8 | 10.0 |
| Infl from Gray Reef | kaf | 36.9 | 35.7 | 36.9 | 36.9 | 33.4 | 36.9 | 59.5 | 98.4 | 119.0 | 135.3 | 129.1 | 70.2 |
| Total Inflow | kaf | 51.6 | 49.6 | 43.8 | 45.4 | 50.6 | 55.5 | 105.2 | 172.1 | 140.2 | 130.8 | 119.3 | 80.2 |
| Total Inflow | cfs | 839. | 834. | 712. | 738. | 911. | 903. | 1768. | 2799. | 2356. | 2127. | 1940. | 1348. |
| Turbine Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.2 | 43.8 | 101.3 | 123.3 | 231.3 | 221.4 | 155.9 |
| Low Flow Release | kaf | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Spillway Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Irrigation Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 70.8 | 80.0 | 0.0 |
| Total Release | kaf | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 5.7 | 45.3 | 102.8 | 124.8 | 303.6 | 302.9 | 157.4 |
| Total Release | cfs | 24. | 25. | 24. | 24. | 27. | 93. | 761. | 1672. | 2097. | 4938. | 4926. | 2645. |
| Evaporation | kaf | 1.0 | 0.7 | 0.7 | 0.7 | 0.8 | 1.7 | 3.1 | 4.8 | 7.1 | 6.9 | 4.2 | 1.8 |
| End-month content | kaf | 152.7 | 199.9 | 241.4 | 284.5 | 332.7 | 380.7* | 437.4* | 502.4* | 511.2* | 331.8* | 144.0* | 65.0* |
| End-month elevation | ft | 4591.6 | 4599.6 | 4605.7 | 4611.4 | 4617.1 | 4622.4 | 4628.0 | 4633.8 | 4634.5 | 4617.0 | 4590.0 | 4570.6 |

Guernsey Reservoir Operations — Initial Content 10.1 Kaf — Operating Limits: Max 45.6 Kaf, 4419.99 Ft. Min 0.0 Kaf, 4370.00 Ft.

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Glendo-Guerns Gain | kaf | 3.7 | 2.3 | 2.2 | 1.7 | 1.0 | 0.6 | 3.9 | 8.1 | 3.4 | 2.8 | 1.0 | 5.3 |
| Inflow from Glendo | kaf | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 5.7 | 45.3 | 102.8 | 124.8 | 303.6 | 302.9 | 157.4 |
| Total Inflow | kaf | 5.2 | 3.8 | 3.7 | 3.2 | 2.5 | 6.3 | 49.2 | 110.9 | 128.2 | 306.4 | 303.9 | 162.7 |
| Total Inflow | cfs | 85. | 64. | 60. | 52. | 45. | 102. | 827. | 1804. | 2154. | 4983. | 4942. | 2734. |
| Turbine Release | kaf | 9.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.3 | 52.6 | 50.9 | 52.9 | 53.3 | 54.9 |
| Seepage | kaf | 0.3 | 0.2 | 0.3 | 0.4 | 0.3 | 0.3 | 0.4 | 1.2 | 3.0 | 3.1 | 2.5 | 2.1 |
| Spillway Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 56.2 | 73.1 | 255.0 | 247.2 | 130.0 |
| Total Release | kaf | 10.0 | 0.2 | 0.3 | 0.4 | 0.3 | 0.3 | 35.7 | 110.0 | 127.0 | 311.0 | 303.0 | 187.0 |
| Total Release | cfs | 163. | 3. | 5. | 7. | 5. | 5. | 600. | 1789. | 2134. | 5058. | 4928. | 3143. |
| Evaporation | kaf | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.5 | 0.9 | 1.2 | 0.4 | 0.9 | 0.7 |
| End-month content | kaf | 5.1# | 8.5 | 11.7 | 14.3 | 16.3# | 22.0* | 35.0* | 35.0* | 35.0* | 30.0* | 30.0* | 5.0* |
| End-month elevation | ft | 4394.6 | 4398.8 | 4401.8 | 4403.8 | 4405.2 | 4408.7 | 4415.3 | 4415.3 | 4415.3 | 4412.9 | 4412.9 | 4394.5 |

NORTH PLATTE RIVER OPERATING PLAN
Year Beginning Oct 2000

OWNERSHIP OPERATIONS

North Platte Pathfinder — Initial Ownership 439.3 Kaf, Accrued this water year: 0.0 Kaf

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Net Accrual | kaf | 31.5 | 30.3 | 24.6 | 22.2 | 24.0 | 61.0 | 129.4 | 245.3 | 8.9 | 0.0 | 0.0 | 0.0 |
| Evaporation | kaf | 2.8 | 1.7 | 1.1 | 1.1 | 1.1 | 2.4 | 4.8 | 6.9 | 13.1 | 13.0 | 10.7 | 6.0 |
| Deliv fm Ownership | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 67.7 | 258.1 | 132.9 |
| End-month Ownership | kaf | 470.8 | 501.1 | 525.7 | 547.9 | 571.9 | 632.9 | 762.3 | 1007.6 | 1016.5 | 935.8 | 667.0 | 528.1 |

North Platte Guernsey — Initial Ownership 0.0 Kaf, Accrued this water year: 0.0 Kaf

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Net Accrual | kaf | 0.0 | 0.0 | 8.8 | 9.8 | 17.9 | 9.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Evaporation/Seepage | kaf | 0.0 | 0.0 | 0.3 | 0.4 | 0.3 | 0.5 | 0.3 | 0.4 | 0.6 | 0.6 | 0.0 | 0.0 |
| Deliv fm Ownership | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 43.7 | 0.0 | 0.0 |
| End-month Ownership | kaf | 0.0 | 0.0 | 8.8 | 18.6 | 36.5 | 45.6 | 45.3 | 44.9 | 44.3 | 0.0 | 0.0 | 0.0 |

Inland Lakes — Initial Ownership 0.0 Kaf, Accrued this water year: 0.0 Kaf

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Net Accrual | kaf | 18.4 | 16.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Evaporation/Seepage | kaf | 0.0 | 0.2 | 0.1 | 0.1 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Trnsfr fm Ownership | kaf | 10.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| End-month Ownership | kaf | 8.4 | 24.4 | 24.3 | 24.2 | 24.2 | 24.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Kendrick — Initial Ownership1132.0 Kaf, Accrued this water year: 0.0 Kaf

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Net Accrual | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 125.9 | 0.0 | 0.0 | 0.0 |
| Evaporation | kaf | 7.2 | 3.9 | 2.4 | 2.3 | 2.3 | 4.6 | 8.5 | 10.0 | 14.0 | 15.3 | 13.4 | 10.2 |
| Deliv fm Ownership | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.0 | 0.0 | 18.0 | 17.0 | 7.0 |
| End-month Ownership | kaf | 1124.8 | 1120.9 | 1118.5 | 1116.2 | 1113.9 | 1109.3 | 1100.8 | 1075.8 | 1201.7 | 1168.4 | 1138.0 | 1120.8 |

Glendo Unit — Initial Ownership 149.4 Kaf, Accrued this water year: 0.0 Kaf

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Accrual | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.6 | 27.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Evaporation | kaf | 1.0 | 0.5 | 0.3 | 0.3 | 0.3 | 0.6 | 1.2 | 1.7 | 2.4 | 2.3 | 1.9 | 1.4 |
| Deliv fm Ownership | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 8.0 | 12.0 |
| End-month Ownership | kaf | 148.4 | 147.9 | 147.6 | 147.3 | 147.0 | 156.0 | 182.0 | 180.3 | 177.9 | 169.6 | 159.7 | 146.3 |

Excess to Ownership — Initial Ownership 13.7 Kaf, Accrued this water year: 0.0 Kaf

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Accrual | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.6 | 0.0 | 65.6 | 0.0 | 0.0 | 0.0 |
| Evaporation/Seepage | kaf | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.3 | 1.1 | 0.0 | 0.0 |
| Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 87.8 | 0.0 | 0.0 |
| End-month total | kaf | 13.6 | 13.5 | 13.5 | 13.5 | 13.4 | 13.3 | 23.8 | 23.6 | 88.9 | 0.0 | 0.0 | 0.0 |

NORTH PLATTE RIVER OPERATING PLAN
Year Beginning Oct 2000

City of Cheyenne Initial Ownership 3.7 Kaf,

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Inflow | kaf | 2.1 | 1.3 | 1.4 | 1.5 | 0.0 | 0.1 | 0.1 | 0.3 | 0.0 | 0.5 | 0.6 | 0.3 |
| Evaporation | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.9 | 0.0 | 0.0 | 0.0 |
| Ownership | kaf | 5.8 | 7.1 | 8.5 | 10.0 | 10.0 | 10.1 | 10.1 | 7.6 | 6.6 | 7.0 | 7.5 | 7.7 |

Pacificorp Initial Ownership 2.0 Kaf,

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Inflow | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.3 | 0.0 | 0.0 |
| Evaporation | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Release | kaf | 0.6 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Ownership | kaf | 1.4 | 1.2 | 1.1 | 1.0 | 0.9 | 0.8 | 0.7 | 1.2 | 1.7 | 2.0 | 2.0 | 2.0 |

Other Initial Ownership 0.0 Kaf,

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Inflow | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Evaporation | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Ownership | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

IRRIGATION DELIVERY

| Kendrick (Casper Canal) | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Requested | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.0 | 17.0 | 18.0 | 17.0 | 7.0 |
| Delivered | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.0 | 17.0 | 18.0 | 17.0 | 7.0 |

| Kendrick (River) | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Requested | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Delivered | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Guernsey Deliveries | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| North Platte Req | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 110.0 | 125.0 | 305.0 | 295.0 | 175.0 |
| Glendo Req | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 6.0 | 8.0 | 12.0 |
| Inland Lakes Req | kaf | 10.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Requirement | kaf | 10.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.7 | 110.0 | 127.0 | 311.0 | 303.0 | 187.0 |
| Seepage | kaf | 0.3 | 0.2 | 0.3 | 0.4 | 0.3 | 0.3 | 0.4 | 1.2 | 3.0 | 3.1 | 2.5 | 2.1 |
| Actual Release | kaf | 10.0 | 0.2 | 0.3 | 0.4 | 0.3 | 0.3 | 35.7 | 110.0 | 127.0 | 311.0 | 303.0 | 187.0 |

NORTH PLATTE RIVER OPERATING PLAN
Year Beginning Oct 2000

POWER GENERATION

| Seminoe Power Plant | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbine Release | kaf | 55.5 | 53.6 | 55.4 | 55.4 | 61.1 | 110.7 | 139.9 | 116.8 | 113.1 | 61.5 | 61.5 | 41.7 |
| Bypass | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Maximum generation | gwh | 24.284 | 32.383 | 33.488 | 23.035 | 21.806 | 22.605 | 30.514 | 32.462 | 32.225 | 32.615 | 32.607 | 27.901 |
| Actual generation | gwh | 9.661 | 9.292 | 9.529 | 9.418 | 10.265 | 18.266 | 22.695 | 19.295 | 19.679 | 10.979 | 10.952 | 7.387 |
| Percent max generation | | 40. | 29. | 28. | 41. | 47. | 81. | 74. | 59. | 61. | 34. | 34. | 26. |
| Average kwh/af | | 174. | 173. | 172. | 170. | 168. | 165. | 162. | 165. | 174. | 179. | 178. | 177. |

| Kortes Power Plant | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbine Release | kaf | 55.4 | 53.6 | 55.4 | 55.4 | 61.1 | 110.7 | 139.9 | 116.8 | 113.1 | 61.5 | 61.5 | 41.7 |
| Bypass | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Maximum generation | gwh | 20.399 | 17.819 | 19.591 | 27.606 | 24.940 | 27.606 | 26.712 | 27.606 | 26.712 | 27.606 | 27.606 | 20.193 |
| Actual generation | gwh | 9.529 | 9.219 | 9.529 | 9.529 | 10.509 | 19.040 | 24.063 | 20.090 | 19.453 | 10.578 | 10.578 | 7.172 |
| Percent max generation | | 47. | 52. | 49. | 35. | 42. | 69. | 90. | 73. | 73. | 38. | 38. | 36. |
| Average kwh/af | | 172. | 172. | 172. | 172. | 172. | 172. | 172. | 172. | 172. | 172. | 172. | 172. |

| Fremont Canyon | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbine Release | kaf | 13.8 | 36.0 | 37.1 | 37.1 | 33.6 | 37.3 | 83.9 | 114.5 | 137.5 | 155.0 | 147.6 | 78.4 |
| Bypass | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Maximum generation | gwh | 22.789 | 24.446 | 40.158 | 46.274 | 41.984 | 46.982 | 45.680 | 47.249 | 45.716 | 47.215 | 46.805 | 40.273 |
| Actual generation | gwh | 3.722 | 9.778 | 10.115 | 10.152 | 9.238 | 10.363 | 23.426 | 31.993 | 38.423 | 43.278 | 40.854 | 21.435 |
| Percent max generation | | 16. | 40. | 25. | 22. | 22. | 22. | 51. | 68. | 84. | 92. | 87. | 53. |
| Average kwh/af | | 270. | 272. | 273. | 274. | 275. | 278. | 279. | 279. | 279. | 279. | 277. | 273. |

| Alcova Power Plant | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbine Release | kaf | 37.2 | 35.7 | 36.9 | 36.9 | 33.4 | 36.9 | 59.6 | 98.5 | 119.1 | 135.4 | 129.2 | 70.3 |
| Bypass | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Maximum generation | gwh | 13.584 | 13.301 | 13.736 | 13.736 | 12.403 | 6.215 | 14.904 | 27.552 | 26.656 | 27.552 | 27.552 | 15.120 |
| Actual generation | gwh | 5.136 | 4.855 | 5.018 | 5.018 | 4.542 | 5.018 | 8.225 | 13.790 | 16.674 | 18.956 | 18.088 | 9.842 |
| Percent max generation | | 38. | 37. | 37. | 37. | 37. | 81. | 55. | 50. | 63. | 69. | 66. | 65. |
| Average kwh/af | | 138. | 136. | 136. | 136. | 136. | 136. | 138. | 140. | 140. | 140. | 140. | 140. |

| Glendo Power Plant | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbine Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.2 | 43.8 | 101.3 | 123.3 | 231.3 | 221.4 | 155.9 |
| Bypass | kaf | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 72.3 | 81.5 | 1.5 |
| Maximum generation | gwh | 13.770 | 12.030 | 19.400 | 10.671 | 16.723 | 23.477 | 24.148 | 26.735 | 26.945 | 25.315 | 19.925 | 12.411 |
| Actual generation | gwh | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.439 | 4.752 | 11.466 | 14.308 | 25.315 | 19.925 | 9.762 |
| Percent max generation | | 0. | 0. | 0. | 0. | 0. | 2. | 20. | 43. | 53. | 100. | 100. | 79. |
| Average kwh/af | | 0. | 0. | 0. | 0. | 0. | 105. | 108. | 113. | 116. | 109. | 90. | 63. |

| Guernsey Power Plant | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbine Release | kaf | 9.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.3 | 52.6 | 50.9 | 52.9 | 53.3 | 54.9 |
| Bypass | kaf | 0.3 | 0.2 | 0.3 | 0.4 | 0.3 | 0.3 | 0.4 | 57.4 | 76.1 | 258.1 | 249.7 | 132.1 |
| Maximum generation | gwh | 2.371 | 1.924 | 3.338 | 2.555 | 3.188 | 3.655 | 3.683 | 3.840 | 3.716 | 3.835 | 3.838 | 3.486 |
| Actual generation | gwh | 0.497 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 2.510 | 3.840 | 3.716 | 3.835 | 3.838 | 3.486 |
| Percent max generation | | 21. | 0. | 0. | 0. | 0. | 0. | 68. | 100. | 100. | 100. | 100. | 100. |
| Average kwh/af | | 51. | 0. | 0. | 0. | 0. | 0. | 71. | 73. | 73. | 72. | 72. | 63. |

NORTH PLATTE RIVER OPERATING PLAN
Year Beginning Oct 2000

PROJECT GENERATION SUMMARY

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Base Generation: | | | | | | | | | | | | | |
| Glendo | gwh | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.439 | 4.752 | 11.466 | 14.308 | 25.315 | 19.925 | 9.762 |
| Guernsey | gwh | 0.497 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 2.510 | 3.840 | 3.716 | 3.835 | 3.838 | 3.486 |
| Total | gwh | 0.497 | 0.000 | 0.000 | 0.000 | 0.000 | 0.439 | 7.262 | 15.306 | 18.024 | 29.150 | 23.763 | 13.248 |
| Load Following Generation: | | | | | | | | | | | | | |
| Seminoe | gwh | 9.661 | 9.292 | 9.529 | 9.418 | 10.265 | 18.266 | 22.695 | 19.295 | 19.679 | 10.979 | 10.952 | 7.387 |
| Kortes | gwh | 9.529 | 9.219 | 9.529 | 9.529 | 10.509 | 19.040 | 24.063 | 20.090 | 19.453 | 10.578 | 10.578 | 7.172 |
| Fremont Canyon | gwh | 3.722 | 9.778 | 10.115 | 10.152 | 9.238 | 10.363 | 23.426 | 31.993 | 38.423 | 43.278 | 40.854 | 21.435 |
| Alcova | gwh | 5.136 | 4.855 | 5.018 | 5.018 | 4.542 | 5.018 | 8.225 | 13.790 | 16.674 | 18.956 | 18.088 | 9.842 |
| Total | gwh | 28.048 | 33.144 | 34.191 | 34.117 | 34.554 | 52.687 | 78.409 | 85.168 | 94.229 | 83.791 | 80.472 | 45.836 |
| Total Generation | gwh | 28.545 | 33.144 | 34.191 | 34.117 | 34.554 | 53.126 | 85.671 | 100.474 | 112.253 | 112.941 | 104.235 | 59.084 |
| Total Capability | gwh | 97.197 | 101.903 | 129.711 | 123.877 | 121.044 | 130.540 | 145.641 | 165.444 | 161.970 | 164.138 | 158.333 | 119.384 |

PROJECT RELEASE FLEXIBILITY

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Seminoe | Min kaf | 55.5 | 53.6 | 55.4 | 55.4 | 61.1 | 110.7 | 139.9 | 116.8 | 113.1 | 61.5 | 61.5 | 41.7 |
| | Max kaf | 55.5 | 53.6 | 55.4 | 55.4 | 61.1 | 110.7 | 139.9 | 116.8 | 113.1 | 61.5 | 61.5 | 41.7 |
| | Min gwh | 9.661 | 9.292 | 9.529 | 9.418 | 10.265 | 18.266 | 22.695 | 19.295 | 19.679 | 10.979 | 10.952 | 7.387 |
| | Max gwh | 9.661 | 9.292 | 9.529 | 9.418 | 10.265 | 18.266 | 22.695 | 19.295 | 19.679 | 10.979 | 10.952 | 7.387 |
| Kortes | Min kaf | 55.4 | 53.6 | 55.4 | 55.4 | 61.1 | 110.7 | 139.9 | 116.8 | 113.1 | 61.5 | 61.5 | 41.7 |
| | Max kaf | 55.4 | 53.6 | 55.4 | 55.4 | 61.1 | 110.7 | 139.9 | 116.8 | 113.1 | 61.5 | 61.5 | 41.7 |
| | Min gwh | 9.529 | 9.219 | 9.529 | 9.529 | 10.509 | 19.040 | 24.063 | 20.090 | 19.453 | 10.578 | 10.578 | 7.172 |
| | Max gwh | 9.529 | 9.219 | 9.529 | 9.529 | 10.509 | 19.040 | 24.063 | 20.090 | 19.453 | 10.578 | 10.578 | 7.172 |
| Fremont Canyon | Min kaf | 7.6 | 30.1 | 30.9 | 30.9 | 28.0 | 31.1 | 83.9 | 114.5 | 137.5 | 155.0 | 147.6 | 78.4 |
| | Max kaf | 43.9 | 66.4 | 67.2 | 67.2 | 64.3 | 67.4 | 83.9 | 114.5 | 137.5 | 155.0 | 147.6 | 78.4 |
| | Min gwh | 2.050 | 8.176 | 8.424 | 8.456 | 7.698 | 8.641 | 23.426 | 31.993 | 38.423 | 43.278 | 40.854 | 21.435 |
| | Max gwh | 11.839 | 18.036 | 18.321 | 18.389 | 17.679 | 18.726 | 23.426 | 31.993 | 38.423 | 43.278 | 40.854 | 21.435 |
| Alcova | Min kaf | 31.0 | 29.8 | 30.7 | 30.7 | 27.8 | 30.7 | 59.6 | 98.5 | 119.1 | 135.4 | 129.2 | 70.3 |
| | Max kaf | 67.3 | 66.1 | 67.0 | 67.0 | 64.1 | 67.0 | 59.6 | 98.5 | 119.1 | 135.4 | 129.2 | 70.3 |
| | Min gwh | 4.280 | 4.053 | 4.175 | 4.175 | 3.781 | 4.175 | 8.225 | 13.790 | 16.674 | 18.956 | 18.088 | 9.842 |
| | Max gwh | 9.291 | 8.990 | 9.112 | 9.112 | 8.718 | 6.215 | 8.225 | 13.790 | 16.674 | 18.956 | 18.088 | 9.842 |
| Load Following | Min gwh | 25.520 | 30.740 | 31.657 | 31.578 | 32.253 | 50.122 | 78.409 | 85.168 | 94.229 | 83.791 | 80.472 | 45.836 |
| | Max gwh | 40.320 | 45.537 | 46.491 | 46.448 | 47.171 | 62.247 | 78.409 | 85.168 | 94.229 | 83.791 | 80.472 | 45.836 |
| Total Project | Min gwh | 26.017 | 30.740 | 31.657 | 31.578 | 32.253 | 50.561 | 85.671 | 100.474 | 112.253 | 112.941 | 104.235 | 59.084 |
| | Max gwh | 40.817 | 45.537 | 46.491 | 46.448 | 47.171 | 62.686 | 85.671 | 100.474 | 112.253 | 112.941 | 104.235 | 59.084 |

NORTH PLATTE RIVER OPERATING PLAN
Year Beginning Oct 2000

GENERATION CAPACITY AND DURATION

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Project Generation** | | | | | | | | | | | | | |
| Base Generation: | | | | | | | | | | | | | |
| Glendo | mw | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 6.6 | 15.4 | 19.9 | 34.0 | 26.8 | 13.6 |
| Guernsey | mw | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 5.2 | 5.2 | 5.2 | 5.2 | 4.8 |
| Total Base Load | mw | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 10.1 | 20.6 | 25.1 | 39.2 | 32.0 | 18.4 |
| Load Following Generation: | | | | | | | | | | | | | |
| Seminoe | | | | | | | | | | | | | |
| Min Capacity | mw | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| Duration | mw | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 11.3 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| Max Capacity | mw | 16.3 | 15.6 | 16.3 | 16.3 | 18.5 | 39.0 | 45.0 | 41.0 | 39.8 | 18.7 | 18.7 | 11.1 |
| Duration | mw | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.7 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| Kortes | | | | | | | | | | | | | |
| Min Capacity | mw | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| Duration | mw | 11.8 | 11.8 | 11.8 | 11.8 | 12.0 | 10.4 | 5.6 | 9.4 | 10.1 | 12.0 | 12.0 | 11.4 |
| Max Capacity | mw | 17.5 | 16.8 | 17.5 | 17.5 | 19.8 | 36.0 | 36.0 | 36.0 | 36.0 | 20.0 | 20.0 | 11.7 |
| Duration | mw | 12.2 | 12.2 | 12.2 | 12.2 | 12.0 | 13.6 | 18.4 | 14.6 | 14.0 | 12.0 | 12.0 | 12.6 |
| Fremont Canyon | | | | | | | | | | | | | |
| Min Capacity | mw | 0.0 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 66.0 | 7.5 | 7.5 |
| Duration | mw | 0.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.2 | 4.4 | 12.0 | 2.9 | 12.0 |
| Max Capacity | mw | 0.0 | 21.9 | 22.9 | 22.9 | 19.7 | 23.1 | 60.3 | 66.0 | 66.0 | 66.0 | 66.0 | 56.7 |
| Duration | mw | 0.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 15.8 | 19.6 | 12.0 | 21.1 | 12.0 |
| Alcova | | | | | | | | | | | | | |
| Min Capacity | mw | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| Duration | mw | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 11.6 | 9.7 | 10.5 | 12.0 |
| Max Capacity | mw | 10.8 | 10.2 | 10.7 | 10.7 | 9.2 | 10.7 | 17.9 | 31.4 | 35.9 | 36.0 | 36.0 | 21.1 |
| Duration | mw | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.4 | 14.3 | 13.5 | 12.0 |
| Total Load Following | | | | | | | | | | | | | |
| Min Capacity | mw | 16.3 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 82.3 | 23.8 | 23.8 |
| Max Capacity | mw | 44.6 | 64.5 | 67.4 | 67.4 | 67.2 | 108.8 | 159.2 | 174.4 | 177.7 | 140.7 | 140.7 | 100.6 |
| Total Project Capacity | | | | | | | | | | | | | |
| Min Capacity | mw | 17.0 | 23.8 | 23.8 | 23.8 | 23.8 | 24.4 | 33.9 | 44.4 | 48.9 | 121.5 | 55.8 | 42.2 |
| Max Capacity | mw | 45.3 | 64.5 | 67.4 | 67.4 | 67.2 | 109.4 | 169.3 | 195.0 | 202.8 | 179.9 | 172.7 | 119.0 |

NORTH PLATTE RIVER OPERATING PLAN
Year Beginning Oct 2000

HYDROLOGY OPERATIONS

Seminoe Reservoir Operations — Initial Content 829.1 Kaf — Operating Limits: Max 1017.3 Kaf, 6357.00 Ft. Min 31.7 Kaf, 6239.02 Ft.

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Inflow | kaf | 24.2 | 22.4 | 21.4 | 18.3 | 21.2 | 43.3 | 73.8 | 122.0 | 135.3 | 34.6 | 20.5 | 13.4 |
| Total Inflow | cfs | 394. | 376. | 348. | 298. | 382. | 704. | 1240. | 1984. | 2274. | 563. | 333. | 225. |
| Turbine Release | kaf | 55.5 | 53.6 | 55.4 | 55.4 | 33.3 | 36.9 | 35.7 | 110.7 | 119.0 | 123.0 | 116.8 | 47.6 |
| Jetflow Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Spillway Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Release | kaf | 55.5 | 53.6 | 55.4 | 55.4 | 33.3 | 36.9 | 35.7 | 110.7 | 119.0 | 123.0 | 116.8 | 47.6 |
| Total Release | cfs | 903. | 901. | 901. | 901. | 600. | 600. | 600. | 1800. | 2000. | 2000. | 1900. | 800. |
| Evaporation | kaf | 4.8 | 2.5 | 1.3 | 1.2 | 1.2 | 2.5 | 4.9 | 4.9 | 7.9 | 8.3 | 6.3 | 4.3 |
| End-month content | kaf | 794.1* | 761.7* | 727.8* | 691.0* | 677.9* | 681.9* | 715.2* | 719.2* | 726.7* | 630.5* | 528.5* | 490.3* |
| End-month elevation | ft | 6344.9 | 6342.9 | 6340.8 | 6338.4 | 6337.5 | 6337.8 | 6340.0 | 6340.2 | 6340.7 | 6334.2 | 6326.2 | 6323.0 |

Kortes Reservoir Operations — Initial Content 4.7 Kaf — Operating Limits: Max 4.8 Kaf, 6142.73 Ft. Min 1.7 Kaf, 6092.73 Ft.

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Inflow | kaf | 55.5 | 53.6 | 55.4 | 55.4 | 33.3 | 36.9 | 35.7 | 110.7 | 119.0 | 123.0 | 116.8 | 47.6 |
| Total Inflow | cfs | 903. | 901. | 901. | 901. | 600. | 600. | 600. | 1800. | 2000. | 2000. | 1900. | 800. |
| Turbine Release | kaf | 55.4 | 53.6 | 55.4 | 55.4 | 33.3 | 36.9 | 35.7 | 110.7 | 119.0 | 123.0 | 116.8 | 47.6 |
| Spillway Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Release | kaf | 55.4 | 53.6 | 55.4 | 55.4 | 33.3 | 36.9 | 35.7 | 110.7 | 119.0 | 123.0 | 116.8 | 47.6 |
| Total Release | cfs | 901. | 901. | 901. | 901. | 600. | 600. | 600. | 1800. | 2000. | 2000. | 1900. | 800. |

Pathfinder Reservoir Operations — Initial Content 610.4 Kaf — Operating Limits: Max 1016.5 Kaf, 5850.10 Ft. Min 31.4 Kaf, 5746.00 Ft.

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sweetwater Inflow | kaf | 1.2 | 1.2 | 1.1 | 1.0 | 1.3 | 2.6 | 8.9 | 6.8 | 5.9 | 1.9 | 1.2 | 0.9 |
| Kortes-Path Gain | kaf | 1.7 | 1.0 | 0.3 | 1.0 | 1.6 | 4.8 | 3.9 | 9.7 | 9.3 | 6.5 | 6.8 | 1.4 |
| Inflow from Kortes | kaf | 55.4 | 53.6 | 55.4 | 55.4 | 33.3 | 36.9 | 35.7 | 110.7 | 119.0 | 123.0 | 116.8 | 47.6 |
| Total Inflow | kaf | 58.3 | 55.8 | 56.8 | 57.4 | 36.2 | 44.3 | 48.5 | 127.2 | 134.2 | 131.4 | 124.8 | 49.9 |
| Total Inflow | cfs | 948. | 938. | 924. | 934. | 652. | 720. | 815. | 2069. | 2255. | 2137. | 2030. | 839. |
| Turbine Release | kaf | 13.8 | 36.0 | 37.1 | 37.1 | 33.5 | 68.1 | 131.5 | 165.7 | 163.3 | 169.1 | 169.1 | 48.6 |
| Jetflow Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24.8 | 35.9 | 0.0 |
| Spillway Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Release | kaf | 13.8 | 36.0 | 37.1 | 37.1 | 33.5 | 68.1 | 131.5 | 165.7 | 163.3 | 193.9 | 205.0 | 48.6 |
| Total Release | cfs | 224. | 605. | 603. | 603. | 603. | 1108. | 2210. | 2695. | 2744. | 3153. | 3334. | 817. |
| Evaporation | kaf | 4.3 | 2.4 | 1.4 | 1.4 | 1.4 | 2.9 | 5.1 | 5.6 | 7.6 | 7.8 | 5.9 | 4.1 |
| End-month content | kaf | 650.6 | 668.0 | 686.3 | 705.2 | 706.5 | 679.8 | 591.7 | 547.6 | 510.9 | 440.6 | 354.5 | 351.7 |
| End-month elevation | ft | 5830.8 | 5831.9 | 5833.0 | 5834.1 | 5834.2 | 5832.6 | 5826.9 | 5823.7 | 5821.0 | 5815.1 | 5806.6 | 5806.3 |

Alcova Reservoir Operations — Initial Content 180.0 Kaf — Operating Limits: Max 184.4 Kaf, 5500.00 Ft. Min 145.3 Kaf, 5483.12 Ft.

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Inflow | kaf | 13.8 | 36.0 | 37.1 | 37.1 | 33.5 | 68.1 | 131.5 | 165.7 | 163.3 | 193.9 | 205.0 | 48.6 |
| Total Inflow | cfs | 224. | 605. | 603. | 603. | 603. | 1108. | 2210. | 2695. | 2744. | 3153. | 3334. | 817. |
| Turbine Release | kaf | 37.2 | 35.7 | 36.9 | 36.9 | 33.3 | 45.7 | 107.2 | 147.7 | 142.9 | 172.3 | 184.6 | 38.5 |
| Spillway Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Casper Canal Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.0 | 19.0 | 20.0 | 19.0 | 9.0 |
| Total Release | kaf | 37.2 | 35.7 | 36.9 | 36.9 | 33.3 | 67.7 | 107.2 | 164.7 | 161.9 | 192.3 | 203.6 | 47.5 |
| Total Release | cfs | 605. | 600. | 600. | 600. | 600. | 1101. | 1802. | 2679. | 2721. | 3127. | 3311. | 798. |
| Evaporation | kaf | 0.7 | 0.3 | 0.2 | 0.2 | 0.2 | 0.4 | 0.8 | 1.0 | 1.4 | 1.6 | 1.4 | 1.1 |
| End-month content | kaf | 155.9* | 155.9* | 155.9* | 155.9* | 155.9* | 155.9* | 179.4* | 179.4* | 179.4* | 179.4* | 179.4* | 179.4* |
| End-month elevation | ft | 5487.9 | 5487.9 | 5487.9 | 5487.9 | 5487.9 | 5487.9 | 5498.0 | 5498.0 | 5498.0 | 5498.0 | 5498.0 | 5498.0 |

NORTH PLATTE RIVER OPERATING PLAN
Year Beginning Oct 2000

Gray Reef Reservoir Operations — Initial Content 1.6 Kaf — Operating Limits: Max 1.8 Kaf, 5332.00 Ft. Min 0.0 Kaf, 5306.00 Ft.

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Inflow | kaf | 37.2 | 35.7 | 36.9 | 36.9 | 33.3 | 67.7 | 107.2 | 147.7 | 142.9 | 172.3 | 184.6 | 38.5 |
| Total Inflow | cfs | 605. | 600. | 600. | 600. | 600. | 1101. | 1802. | 2402. | 2402. | 2802. | 3002. | 647. |
| Total Release | kaf | 36.9 | 35.7 | 36.9 | 36.9 | 33.3 | 67.7 | 107.1 | 147.6 | 142.8 | 172.2 | 184.5 | 38.4 |
| Total Release | cfs | 600. | 600. | 600. | 600. | 600. | 1101. | 1800. | 2400. | 2400. | 2801. | 3001. | 645. |

Glendo Reservoir Operations — Initial Content 104.2 Kaf — Operating Limits: Max 789.4 Kaf, 4653.00 Ft. Min 63.2 Kaf, 4570.02 Ft.

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alcova-Glendo Gain | kaf | 12.1 | 9.6 | 6.8 | 6.7 | 9.1 | 13.3 | 7.1 | 14.6 | -3.3 | -6.4 | -4.7 | 10.5 |
| Infl from Gray Reef | kaf | 36.9 | 35.7 | 36.9 | 36.9 | 33.3 | 67.7 | 107.1 | 147.6 | 142.8 | 172.2 | 184.5 | 38.4 |
| Total Inflow | kaf | 49.0 | 45.3 | 43.7 | 43.6 | 42.4 | 81.0 | 114.2 | 162.2 | 139.5 | 165.8 | 179.8 | 48.9 |
| Total Inflow | cfs | 797. | 761. | 711. | 709. | 763. | 1317. | 1919. | 2638. | 2344. | 2696. | 2924. | 822. |
| Turbine Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40.7 | 142.7 | 174.0 | 225.3 | 221.4 | 131.2 |
| Low Flow Release | kaf | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Spillway Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Irrigation Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 76.9 | 92.6 | 0.0 |
| Total Release | kaf | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 42.2 | 144.2 | 175.5 | 303.7 | 315.5 | 132.7 |
| Total Release | cfs | 24. | 25. | 24. | 24. | 27. | 24. | 709. | 2345. | 2949. | 4939. | 5131. | 2230. |
| Evaporation | kaf | 1.0 | 0.7 | 0.7 | 0.7 | 0.8 | 1.7 | 3.1 | 4.8 | 6.3 | 6.1 | 4.0 | 1.9 |
| End-month content | kaf | 150.1 | 193.0 | 234.4 | 275.7 | 315.7* | 393.4* | 462.2* | 475.9* | 434.1* | 290.4* | 150.7* | 65.0* |
| End-month elevation | ft | 4591.1 | 4598.6 | 4604.7 | 4610.3 | 4615.2 | 4623.7 | 4630.3 | 4631.5 | 4627.7 | 4612.1 | 4591.3 | 4570.6 |

Guernsey Reservoir Operations — Initial Content 10.1 Kaf — Operating Limits: Max 45.6 Kaf, 4419.99 Ft. Min 0.0 Kaf, 4370.00 Ft.

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Glendo-Guerns Gain | kaf | 2.4 | 1.8 | 1.5 | 1.2 | 1.4 | 1.3 | 0.7 | 1.7 | -1.3 | -2.4 | -2.6 | 1.8 |
| Inflow from Glendo | kaf | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 42.2 | 144.2 | 175.5 | 303.7 | 315.5 | 132.7 |
| Total Inflow | kaf | 3.9 | 3.3 | 3.0 | 2.7 | 2.9 | 2.8 | 42.9 | 145.9 | 174.2 | 301.3 | 312.9 | 134.5 |
| Total Inflow | cfs | 63. | 55. | 49. | 44. | 52. | 46. | 721. | 2373. | 2928. | 4900. | 5089. | 2260. |
| Turbine Release | kaf | 5.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.4 | 52.6 | 50.9 | 52.9 | 53.3 | 55.4 |
| Seepage | kaf | 0.3 | 0.2 | 0.3 | 0.4 | 0.3 | 0.3 | 0.4 | 1.2 | 3.0 | 3.1 | 2.5 | 2.1 |
| Spillway Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 91.2 | 119.1 | 249.0 | 256.2 | 104.5 |
| Total Release | kaf | 5.5 | 0.2 | 0.3 | 0.4 | 0.3 | 0.3 | 27.8 | 145.0 | 173.0 | 305.0 | 312.0 | 162.0 |
| Total Release | cfs | 89. | 3. | 5. | 7. | 5. | 5. | 467. | 2358. | 2907. | 4960. | 5074. | 2722. |
| Evaporation | kaf | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.5 | 0.9 | 1.2 | 1.3 | 0.9 | 0.7 |
| End-month content | kaf | 8.3 | 11.2 | 13.7 | 15.8 | 18.2# | 20.4# | 35.0* | 35.0* | 35.0* | 30.0* | 30.0* | 1.8* |
| End-month elevation | ft | 4398.6 | 4401.4 | 4403.4 | 4404.9 | 4406.4 | 4407.8 | 4415.3 | 4415.3 | 4415.3 | 4412.9 | 4412.9 | 4387.3 |

NORTH PLATTE RIVER OPERATING PLAN
Year Beginning Oct 2000

OWNERSHIP OPERATIONS

North Platte Pathfinder — Initial Ownership 439.3 Kaf, Accrued this water year: 0.0 Kaf

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Net Accrual | kaf | 24.3 | 23.0 | 21.8 | 19.3 | 23.0 | 48.4 | 82.1 | 3.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| Evaporation | kaf | 2.8 | 1.6 | 1.0 | 1.0 | 1.1 | 2.3 | 4.5 | 5.9 | 8.6 | 9.0 | 5.0 | 1.4 |
| Deliv fm Ownership | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 238.7 | 283.8 | 122.0 |
| End-month Ownership | kaf | 463.6 | 486.6 | 508.4 | 527.7 | 550.7 | 599.1 | 681.2 | 685.1 | 676.5 | 428.8 | 140.0 | 16.6 |

North Platte Guernsey — Initial Ownership 0.0 Kaf, Accrued this water year: 0.0 Kaf

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Net Accrual | kaf | 0.0 | 0.0 | 8.0 | 7.5 | 10.2 | 14.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Evaporation/Seepage | kaf | 0.0 | 0.0 | 0.3 | 0.4 | 0.3 | 0.4 | 0.3 | 0.3 | 0.5 | 0.4 | 0.0 | 0.0 |
| Deliv fm Ownership | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.3 | 27.1 | 0.0 | 0.0 |
| End-month Ownership | kaf | 0.0 | 0.0 | 8.0 | 15.5 | 25.7 | 39.9 | 39.6 | 39.3 | 27.5 | 0.0 | 0.0 | 0.0 |

Inland Lakes — Initial Ownership 0.0 Kaf, Accrued this water year: 0.0 Kaf

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Net Accrual | kaf | 14.5 | 11.2 | 0.0 | 0.0 | 0.0 | 0.0 | 7.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Evaporation/Seepage | kaf | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Trnsfr fm Ownership | kaf | 5.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| End-month Ownership | kaf | 9.0 | 20.2 | 20.2 | 20.2 | 20.2 | 20.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Kendrick — Initial Ownership1132.0 Kaf, Accrued this water year: 0.0 Kaf

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Net Accrual | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Evaporation | kaf | 7.2 | 3.9 | 2.4 | 2.3 | 2.3 | 4.6 | 8.3 | 9.6 | 13.4 | 13.9 | 11.9 | 9.5 |
| Deliv fm Ownership | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.0 | 19.0 | 20.0 | 19.0 | 9.0 |
| End-month Ownership | kaf | 1124.8 | 1120.9 | 1118.5 | 1116.2 | 1113.9 | 1109.3 | 1101.0 | 1074.4 | 1042.0 | 1008.1 | 977.2 | 958.7 |

Glendo Unit — Initial Ownership 149.4 Kaf, Accrued this water year: 0.0 Kaf

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Accrual | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Evaporation | kaf | 1.0 | 0.5 | 0.3 | 0.3 | 0.3 | 0.6 | 1.1 | 1.3 | 1.8 | 1.8 | 1.6 | 1.2 |
| Deliv fm Ownership | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 5.0 | 7.0 | 12.0 |
| End-month Ownership | kaf | 148.4 | 147.9 | 147.6 | 147.3 | 147.0 | 146.4 | 145.3 | 144.0 | 139.2 | 132.4 | 123.8 | 110.6 |

Excess to Ownership — Initial Ownership 13.7 Kaf, Accrued this water year: 0.0 Kaf

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Accrual | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Evaporation/Seepage | kaf | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.8 | 0.0 | 0.0 | 0.0 |
| End-month total | kaf | 13.6 | 13.5 | 13.4 | 13.3 | 13.2 | 13.1 | 13.0 | 12.9 | 0.0 | 0.0 | 0.0 | 0.0 |

NORTH PLATTE RIVER OPERATING PLAN
Year Beginning Oct 2000

City of Cheyenne Initial Ownership 3.7 Kaf,

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Inflow | kaf | 1.1 | 1.3 | 1.4 | 1.5 | 0.2 | 0.1 | 0.1 | 0.3 | 0.0 | 0.5 | 0.6 | 0.3 |
| Evaporation | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.9 | 0.0 | 0.0 | 0.0 |
| Ownership | kaf | 4.8 | 6.1 | 7.5 | 9.0 | 9.2 | 9.3 | 9.3 | 6.8 | 5.8 | 6.2 | 6.7 | 6.9 |

Pacificorp Initial Ownership 2.0 Kaf,

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Inflow | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.3 | 0.0 | 0.0 |
| Evaporation | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Release | kaf | 0.6 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Ownership | kaf | 1.4 | 1.2 | 1.1 | 1.0 | 0.9 | 0.8 | 0.7 | 1.2 | 1.7 | 2.0 | 2.0 | 2.0 |

Other Initial Ownership 0.0 Kaf,

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Inflow | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Evaporation | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Ownership | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

IRRIGATION DELIVERY

| Kendrick (Casper Canal) | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Requested | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.0 | 19.0 | 20.0 | 19.0 | 9.0 |
| Delivered | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.0 | 19.0 | 20.0 | 19.0 | 9.0 |

| Kendrick (River) | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Requested | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Delivered | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Guernsey Deliveries | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| North Platte Req | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 145.0 | 170.0 | 300.0 | 305.0 | 150.0 |
| Glendo Req | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 5.0 | 7.0 | 12.0 |
| Inland Lakes Req | kaf | 5.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Requirement | kaf | 5.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.8 | 145.0 | 173.0 | 305.0 | 312.0 | 162.0 |
| Seepage | kaf | 0.3 | 0.2 | 0.3 | 0.4 | 0.3 | 0.3 | 0.4 | 1.2 | 3.0 | 3.1 | 2.5 | 2.1 |
| Actual Release | kaf | 5.5 | 0.2 | 0.3 | 0.4 | 0.3 | 0.3 | 27.8 | 145.0 | 173.0 | 305.0 | 312.0 | 162.0 |

NORTH PLATTE RIVER OPERATING PLAN
Year Beginning Oct 2000

POWER GENERATION

| Seminoe Power Plant | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbine Release | kaf | 55.5 | 53.6 | 55.4 | 55.4 | 33.3 | 36.9 | 35.7 | 110.7 | 119.0 | 123.0 | 116.8 | 47.6 |
| Bypass | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Maximum generation | gwh | 24.308 | 32.329 | 33.474 | 23.034 | 21.756 | 23.139 | 32.376 | 33.473 | 32.402 | 33.073 | 31.230 | 25.431 |
| Actual generation | gwh | 9.657 | 9.242 | 9.481 | 9.397 | 5.594 | 6.187 | 6.017 | 18.819 | 20.230 | 20.608 | 18.880 | 7.454 |
| Percent max generation | | 40. | 29. | 28. | 41. | 26. | 27. | 19. | 56. | 62. | 62. | 60. | 29. |
| Average kwh/af | | 174. | 172. | 171. | 170. | 168. | 168. | 169. | 170. | 170. | 168. | 162. | 157. |

| Kortes Power Plant | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbine Release | kaf | 55.4 | 53.6 | 55.4 | 55.4 | 33.3 | 36.9 | 35.7 | 110.7 | 119.0 | 123.0 | 116.8 | 47.6 |
| Bypass | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Maximum generation | gwh | 20.399 | 17.819 | 19.591 | 27.606 | 24.940 | 27.606 | 26.712 | 27.606 | 26.712 | 27.606 | 27.606 | 20.193 |
| Actual generation | gwh | 9.529 | 9.219 | 9.529 | 9.529 | 5.728 | 6.347 | 6.140 | 19.040 | 20.468 | 21.156 | 20.090 | 8.187 |
| Percent max generation | | 47. | 52. | 49. | 35. | 23. | 23. | 23. | 69. | 77. | 77. | 73. | 41. |
| Average kwh/af | | 172. | 172. | 172. | 172. | 172. | 172. | 172. | 172. | 172. | 172. | 172. | 172. |

| Fremont Canyon | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbine Release | kaf | 13.8 | 36.0 | 37.1 | 37.1 | 33.5 | 68.1 | 131.5 | 165.7 | 163.3 | 169.1 | 169.1 | 48.6 |
| Bypass | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24.8 | 35.9 | 0.0 |
| Maximum generation | gwh | 22.784 | 24.435 | 40.132 | 46.239 | 41.837 | 46.215 | 44.172 | 44.875 | 42.953 | 43.764 | 42.749 | 36.714 |
| Actual generation | gwh | 3.721 | 9.774 | 10.108 | 10.145 | 9.178 | 18.612 | 35.505 | 43.973 | 42.874 | 43.764 | 42.749 | 12.113 |
| Percent max generation | | 16. | 40. | 25. | 22. | 22. | 40. | 80. | 98. | 100. | 100. | 100. | 33. |
| Average kwh/af | | 270. | 272. | 272. | 273. | 274. | 273. | 270. | 265. | 263. | 259. | 253. | 249. |

| Alcova Power Plant | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbine Release | kaf | 37.2 | 35.7 | 36.9 | 36.9 | 33.3 | 45.7 | 107.2 | 147.7 | 142.9 | 172.3 | 184.6 | 38.5 |
| Bypass | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Maximum generation | gwh | 13.584 | 13.301 | 13.736 | 13.736 | 12.403 | 6.215 | 14.904 | 27.552 | 26.656 | 27.552 | 27.552 | 15.120 |
| Actual generation | gwh | 5.136 | 4.855 | 5.018 | 5.018 | 4.529 | 6.215 | 14.794 | 20.678 | 20.006 | 24.122 | 25.844 | 5.390 |
| Percent max generation | | 38. | 37. | 37. | 37. | 37. | 100. | 99. | 75. | 75. | 88. | 94. | 36. |
| Average kwh/af | | 138. | 136. | 136. | 136. | 136. | 136. | 138. | 140. | 140. | 140. | 140. | 140. |

| Glendo Power Plant | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbine Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40.7 | 142.7 | 174.0 | 225.3 | 221.4 | 131.2 |
| Bypass | kaf | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 78.4 | 94.1 | 1.5 |
| Maximum generation | gwh | 13.699 | 11.833 | 19.146 | 10.547 | 16.425 | 23.419 | 24.680 | 26.708 | 25.443 | 23.626 | 19.397 | 12.601 |
| Actual generation | gwh | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 4.474 | 16.143 | 19.494 | 23.626 | 19.397 | 8.312 |
| Percent max generation | | 0. | 0. | 0. | 0. | 0. | 0. | 18. | 60. | 77. | 100. | 100. | 66. |
| Average kwh/af | | 0. | 0. | 0. | 0. | 0. | 0. | 110. | 113. | 112. | 105. | 88. | 63. |

| Guernsey Power Plant | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbine Release | kaf | 5.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.4 | 52.6 | 50.9 | 52.9 | 53.3 | 55.4 |
| Bypass | kaf | 0.3 | 0.2 | 0.3 | 0.4 | 0.3 | 0.3 | 0.4 | 92.4 | 122.1 | 252.1 | 258.7 | 106.6 |
| Maximum generation | gwh | 2.432 | 2.026 | 3.425 | 2.600 | 3.238 | 3.657 | 3.665 | 3.840 | 3.716 | 3.835 | 3.838 | 3.429 |
| Actual generation | gwh | 0.283 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.935 | 3.840 | 3.716 | 3.835 | 3.838 | 3.429 |
| Percent max generation | | 12. | 0. | 0. | 0. | 0. | 0. | 53. | 100. | 100. | 100. | 100. | 100. |
| Average kwh/af | | 54. | 0. | 0. | 0. | 0. | 0. | 71. | 73. | 73. | 72. | 72. | 62. |

NORTH PLATTE RIVER OPERATING PLAN
Year Beginning Oct 2000

PROJECT GENERATION SUMMARY

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Base Generation: | | | | | | | | | | | | | |
| Glendo | gwh | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 4.474 | 16.143 | 19.494 | 23.626 | 19.397 | 8.312 |
| Guernsey | gwh | 0.283 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.935 | 3.840 | 3.716 | 3.835 | 3.838 | 3.429 |
| Total | gwh | 0.283 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 6.409 | 19.983 | 23.210 | 27.461 | 23.235 | 11.741 |
| Load Following Generation: | | | | | | | | | | | | | |
| Seminoe | gwh | 9.657 | 9.242 | 9.481 | 9.397 | 5.594 | 6.187 | 6.017 | 18.819 | 20.230 | 20.608 | 18.880 | 7.454 |
| Kortes | gwh | 9.529 | 9.219 | 9.529 | 9.529 | 5.728 | 6.347 | 6.140 | 19.040 | 20.468 | 21.156 | 20.090 | 8.187 |
| Fremont Canyon | gwh | 3.721 | 9.774 | 10.108 | 10.145 | 9.178 | 18.612 | 35.505 | 43.973 | 42.874 | 43.764 | 42.749 | 12.113 |
| Alcova | gwh | 5.136 | 4.855 | 5.018 | 5.018 | 4.529 | 6.215 | 14.794 | 20.678 | 20.006 | 24.122 | 25.844 | 5.390 |
| Total | gwh | 28.043 | 33.090 | 34.136 | 34.089 | 25.029 | 37.361 | 62.456 | 102.510 | 103.578 | 109.650 | 107.563 | 33.144 |
| Total Generation | gwh | 28.326 | 33.090 | 34.136 | 34.089 | 25.029 | 37.361 | 68.865 | 122.493 | 126.788 | 137.111 | 130.798 | 44.885 |
| Total Capability | gwh | 97.206 | 101.743 | 129.504 | 123.762 | 120.599 | 130.251 | 146.509 | 164.054 | 157.882 | 159.456 | 152.372 | 113.488 |

PROJECT RELEASE FLEXIBILITY

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Seminoe | Min kaf | 55.5 | 53.6 | 55.4 | 55.4 | 33.3 | 36.9 | 35.7 | 110.7 | 119.0 | 123.0 | 116.8 | 47.6 |
| | Max kaf | 55.5 | 53.6 | 55.4 | 55.4 | 33.3 | 36.9 | 35.7 | 110.7 | 119.0 | 123.0 | 116.8 | 47.6 |
| | Min gwh | 9.657 | 9.242 | 9.481 | 9.397 | 5.594 | 6.187 | 6.017 | 18.819 | 20.230 | 20.608 | 18.880 | 7.454 |
| | Max gwh | 9.657 | 9.242 | 9.481 | 9.397 | 5.594 | 6.187 | 6.017 | 18.819 | 20.230 | 20.608 | 18.880 | 7.454 |
| Kortes | Min kaf | 55.4 | 53.6 | 55.4 | 55.4 | 33.3 | 36.9 | 35.7 | 110.7 | 119.0 | 123.0 | 116.8 | 47.6 |
| | Max kaf | 55.4 | 53.6 | 55.4 | 55.4 | 33.3 | 36.9 | 35.7 | 110.7 | 119.0 | 123.0 | 116.8 | 47.6 |
| | Min gwh | 9.529 | 9.219 | 9.529 | 9.529 | 5.728 | 6.347 | 6.140 | 19.040 | 20.468 | 21.156 | 20.090 | 8.187 |
| | Max gwh | 9.529 | 9.219 | 9.529 | 9.529 | 5.728 | 6.347 | 6.140 | 19.040 | 20.468 | 21.156 | 20.090 | 8.187 |
| Fremont Canyon | Min kaf | 7.6 | 30.1 | 30.9 | 30.9 | 28.0 | 68.1 | 131.5 | 165.7 | 163.3 | 193.9 | 205.0 | 48.6 |
| | Max kaf | 37.6 | 60.1 | 60.9 | 60.9 | 58.0 | 68.1 | 131.5 | 165.7 | 163.3 | 193.9 | 205.0 | 48.6 |
| | Min gwh | 2.049 | 8.172 | 8.419 | 8.449 | 7.671 | 18.612 | 35.505 | 43.973 | 42.874 | 43.764 | 42.749 | 12.113 |
| | Max gwh | 10.138 | 16.317 | 16.592 | 16.652 | 15.891 | 18.612 | 35.505 | 43.973 | 42.874 | 43.764 | 42.749 | 12.113 |
| Alcova | Min kaf | 31.0 | 29.8 | 30.7 | 30.7 | 27.8 | 67.7 | 107.2 | 147.7 | 142.9 | 172.3 | 184.6 | 38.5 |
| | Max kaf | 61.0 | 59.8 | 60.7 | 60.7 | 57.8 | 67.7 | 107.2 | 147.7 | 142.9 | 172.3 | 184.6 | 38.5 |
| | Min gwh | 4.280 | 4.053 | 4.175 | 4.175 | 3.781 | 6.215 | 14.794 | 20.678 | 20.006 | 24.122 | 25.844 | 5.390 |
| | Max gwh | 8.421 | 8.133 | 8.255 | 8.255 | 7.861 | 6.215 | 14.794 | 20.678 | 20.006 | 24.122 | 25.844 | 5.390 |
| Load Following | Min gwh | 25.515 | 30.686 | 31.604 | 31.550 | 22.774 | 37.361 | 62.456 | 102.510 | 103.578 | 109.650 | 107.563 | 33.144 |
| | Max gwh | 37.745 | 42.911 | 43.857 | 43.833 | 35.074 | 37.361 | 62.456 | 102.510 | 103.578 | 109.650 | 107.563 | 33.144 |
| Total Project | Min gwh | 25.798 | 30.686 | 31.604 | 31.550 | 22.774 | 37.361 | 68.865 | 122.493 | 126.788 | 137.111 | 130.798 | 44.885 |
| | Max gwh | 38.028 | 42.911 | 43.857 | 43.833 | 35.074 | 37.361 | 68.865 | 122.493 | 126.788 | 137.111 | 130.798 | 44.885 |

NORTH PLATTE RIVER OPERATING PLAN
Year Beginning Oct 2000

GENERATION CAPACITY AND DURATION

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Project Generation** | | | | | | | | | | | | | |
| Base Generation: | | | | | | | | | | | | | |
| Glendo | mw | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | 21.7 | 27.1 | 31.8 | 26.1 | 11.5 |
| Guernsey | mw | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 5.2 | 5.2 | 5.2 | 5.2 | 4.8 |
| Total Base Load | mw | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.9 | 26.9 | 32.3 | 37.0 | 31.3 | 16.3 |
| Load Following Generation: | | | | | | | | | | | | | |
| Seminoe | | | | | | | | | | | | | |
| Min Capacity | mw | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| Duration | mw | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| Max Capacity | mw | 16.3 | 15.6 | 16.3 | 16.3 | 7.7 | 9.2 | 8.7 | 39.0 | 41.7 | 42.6 | 41.0 | 13.4 |
| Duration | mw | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| Kortes | | | | | | | | | | | | | |
| Min Capacity | mw | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| Duration | mw | 11.8 | 11.8 | 11.8 | 11.8 | 11.1 | 11.2 | 11.2 | 10.4 | 9.1 | 8.4 | 9.4 | 11.6 |
| Max Capacity | mw | 17.5 | 16.8 | 17.5 | 17.5 | 8.2 | 9.7 | 9.2 | 36.0 | 36.0 | 36.0 | 36.0 | 14.2 |
| Duration | mw | 12.2 | 12.2 | 12.2 | 12.2 | 12.9 | 12.8 | 12.8 | 13.6 | 14.9 | 15.6 | 14.6 | 12.4 |
| Fremont Canyon | | | | | | | | | | | | | |
| Min Capacity | mw | 0.0 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 66.0 | 66.0 | 66.0 | 66.0 | 7.5 |
| Duration | mw | 0.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 5.3 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| Max Capacity | mw | 0.0 | 21.9 | 22.9 | 22.9 | 19.7 | 48.7 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 32.9 |
| Duration | mw | 0.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 18.7 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| Alcova | | | | | | | | | | | | | |
| Min Capacity | mw | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| Duration | mw | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 11.9 | 8.2 | 8.8 | 5.1 | 3.6 | 12.0 |
| Max Capacity | mw | 10.8 | 10.2 | 10.7 | 10.7 | 9.2 | 14.2 | 34.3 | 36.0 | 36.0 | 36.0 | 36.0 | 11.3 |
| Duration | mw | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.1 | 15.8 | 15.2 | 18.9 | 20.4 | 12.0 |
| Total Load Following | | | | | | | | | | | | | |
| Min Capacity | mw | 16.3 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 82.3 | 82.3 | 82.3 | 82.3 | 23.8 |
| Max Capacity | mw | 44.6 | 64.5 | 67.4 | 67.4 | 44.8 | 81.8 | 118.2 | 177.0 | 179.7 | 180.6 | 179.0 | 71.8 |
| Total Project Capacity | | | | | | | | | | | | | |
| Min Capacity | mw | 16.7 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 32.7 | 109.2 | 114.6 | 119.3 | 113.6 | 40.1 |
| Max Capacity | mw | 45.0 | 64.5 | 67.4 | 67.4 | 44.8 | 81.8 | 127.1 | 203.9 | 212.0 | 217.6 | 210.3 | 88.1 |

NORTH PLATTE RIVER OPERATING PLAN
Year Beginning Oct 2000

HYDROLOGY OPERATIONS

Seminoe Reservoir Operations — Initial Content 829.1 Kaf — Operating Limits: Max 1017.3 Kaf, 6357.00 Ft.; Min 31.7 Kaf, 6239.02 Ft.

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Inflow | kaf | 37.9 | 34.5 | 28.7 | 26.5 | 29.7 | 63.8 | 158.3 | 394.4 | 571.9 | 216.9 | 62.5 | 37.3 |
| Total Inflow | cfs | 616. | 580. | 467. | 431. | 535. | 1038. | 2660. | 6414. | 9611. | 3528. | 1016. | 627. |
| Turbine Release | kaf | 55.5 | 53.6 | 55.4 | 55.4 | 129.5 | 135.1 | 154.7 | 194.4 | 185.1 | 175.6 | 86.1 | 59.5 |
| Jetflow Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 14.9 | 24.7 | 0.0 | 42.9 | 97.7 | 0.0 | 0.0 | 0.0 |
| Spillway Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Release | kaf | 55.5 | 53.6 | 55.4 | 55.4 | 144.4 | 159.8 | 154.7 | 237.3 | 282.8 | 175.6 | 86.1 | 59.5 |
| Total Release | cfs | 903. | 901. | 901. | 901. | 2600. | 2599. | 2600. | 3859. | 4753. | 2856. | 1400. | 1000. |
| Evaporation | kaf | 4.8 | 2.6 | 1.4 | 1.3 | 1.2 | 2.1 | 3.9 | 4.2 | 8.7 | 11.0 | 9.5 | 6.8 |
| End-month content | kaf | 807.8* | 787.4* | 760.7 | 732.0* | 617.4 | 519.4 | 519.2* | 669.7* | 949.2* | 980.0* | 947.5* | 918.8* |
| End-month elevation | ft | 6345.7 | 6344.5 | 6342.9 | 6341.1 | 6333.2 | 6325.5 | 6325.5 | 6336.9 | 6353.6 | 6355.1 | 6353.5 | 6352.0 |

Kortes Reservoir Operations — Initial Content 4.7 Kaf — Operating Limits: Max 4.8 Kaf, 6142.73 Ft.; Min 1.7 Kaf, 6092.73 Ft.

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Inflow | kaf | 55.5 | 53.6 | 55.4 | 55.4 | 144.4 | 159.8 | 154.7 | 237.3 | 282.8 | 175.6 | 86.1 | 59.5 |
| Total Inflow | cfs | 903. | 901. | 901. | 901. | 2600. | 2599. | 2600. | 3859. | 4753. | 2856. | 1400. | 1000. |
| Turbine Release | kaf | 55.4 | 53.6 | 55.4 | 55.4 | 144.4 | 159.8 | 154.7 | 160.5 | 155.3 | 160.5 | 86.1 | 59.5 |
| Spillway Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 76.8 | 127.5 | 15.1 | 0.0 | 0.0 |
| Total Release | kaf | 55.4 | 53.6 | 55.4 | 55.4 | 144.4 | 159.8 | 154.7 | 237.3 | 282.8 | 175.6 | 86.1 | 59.5 |
| Total Release | cfs | 901. | 901. | 901. | 901. | 2600. | 2599. | 2600. | 3859. | 4753. | 2856. | 1400. | 1000. |

Pathfinder Reservoir Operations — Initial Content 610.4 Kaf — Operating Limits: Max 1016.5 Kaf, 5850.10 Ft.; Min 31.4 Kaf, 5746.00 Ft.

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sweetwater Inflow | kaf | 2.6 | 3.0 | 2.3 | 1.9 | 2.0 | 5.2 | 17.7 | 48.4 | 46.3 | 13.2 | 4.5 | 3.1 |
| Kortes-Path Gain | kaf | 5.1 | 0.6 | 1.0 | 3.5 | 4.9 | 7.0 | 9.8 | 20.0 | 5.0 | 3.9 | 7.4 | 5.6 |
| Inflow from Kortes | kaf | 55.4 | 53.6 | 55.4 | 55.4 | 144.4 | 159.8 | 154.7 | 237.3 | 282.8 | 175.6 | 86.1 | 59.5 |
| Total Inflow | kaf | 63.1 | 57.2 | 58.7 | 60.8 | 151.3 | 172.0 | 182.2 | 305.7 | 334.1 | 192.7 | 98.0 | 68.2 |
| Total Inflow | cfs | 1026. | 961. | 955. | 989. | 2724. | 2797. | 3062. | 4972. | 5615. | 3134. | 1594. | 1146. |
| Turbine Release | kaf | 13.8 | 36.0 | 37.1 | 37.1 | 33.6 | 92.7 | 149.4 | 169.1 | 163.6 | 169.1 | 120.1 | 55.5 |
| Jetflow Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 61.6 | 158.7 | 89.8 | 0.0 | 0.0 |
| Spillway Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Release | kaf | 13.8 | 36.0 | 37.1 | 37.1 | 33.6 | 92.7 | 149.4 | 230.7 | 322.3 | 258.9 | 120.1 | 55.5 |
| Total Release | cfs | 224. | 605. | 603. | 603. | 605. | 1508. | 2511. | 3752. | 5416. | 4211. | 1953. | 933. |
| Evaporation | kaf | 4.4 | 2.5 | 1.4 | 1.4 | 1.5 | 3.4 | 6.7 | 8.5 | 12.8 | 13.9 | 11.9 | 9.0 |
| End-month content | kaf | 655.3 | 674.0 | 694.2 | 716.5 | 832.7 | 908.6 | 934.7 | 1001.2 | 1000.2 | 920.1 | 886.1 | 889.8 |
| End-month elevation | ft | 5831.1 | 5832.2 | 5833.5 | 5834.8 | 5841.2 | 5845.0 | 5846.3 | 5849.4 | 5849.4 | 5845.6 | 5843.9 | 5844.1 |

Alcova Reservoir Operations — Initial Content 180.0 Kaf — Operating Limits: Max 184.4 Kaf, 5500.00 Ft.; Min 100.0 Kaf, 5459.92 Ft.

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Inflow | kaf | 13.8 | 36.0 | 37.1 | 37.1 | 33.6 | 92.7 | 149.4 | 230.7 | 322.3 | 258.9 | 120.1 | 55.5 |
| Total Inflow | cfs | 224. | 605. | 603. | 603. | 605. | 1508. | 2511. | 3752. | 5416. | 4211. | 1953. | 933. |
| Turbine Release | kaf | 37.2 | 35.7 | 36.9 | 36.9 | 33.4 | 45.7 | 108.0 | 196.8 | 190.4 | 196.8 | 101.7 | 47.4 |
| Spillway Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 46.6 | 17.1 | 17.9 | 113.5 | 42.5 | 0.0 | 0.0 |
| Casper Canal Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.0 | 17.0 | 18.0 | 17.0 | 7.0 |
| Total Release | kaf | 37.2 | 35.7 | 36.9 | 36.9 | 33.4 | 92.3 | 125.1 | 229.7 | 320.9 | 257.3 | 118.7 | 54.4 |
| Total Release | cfs | 605. | 600. | 600. | 600. | 601. | 1501. | 2102. | 3736. | 5393. | 4185. | 1930. | 914. |
| Evaporation | kaf | 0.7 | 0.3 | 0.2 | 0.2 | 0.2 | 0.4 | 0.8 | 1.0 | 1.4 | 1.6 | 1.4 | 1.1 |
| End-month content | kaf | 155.9* | 155.9* | 155.9* | 155.9* | 155.9* | 155.9* | 179.4* | 179.4* | 179.4* | 179.4* | 179.4* | 179.4* |
| End-month elevation | ft | 5487.9 | 5487.9 | 5487.9 | 5487.9 | 5487.9 | 5487.9 | 5498.0 | 5498.0 | 5498.0 | 5498.0 | 5498.0 | 5498.0 |

NORTH PLATTE RIVER OPERATING PLAN
Year Beginning Oct 2000

Gray Reef Reservoir Operations — Initial Content 1.6 Kaf — Operating Limits: Max 1.8 Kaf, 5332.00 Ft. Min 0.0 Kaf, 5306.00 Ft.

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Inflow | kaf | 37.2 | 35.7 | 36.9 | 36.9 | 33.4 | 92.3 | 125.1 | 214.7 | 303.9 | 239.3 | 101.7 | 47.4 |
| Total Inflow | cfs | 605. | 600. | 600. | 600. | 601. | 1501. | 2102. | 3492. | 5107. | 3892. | 1654. | 797. |
| Total Release | kaf | 36.9 | 35.7 | 36.9 | 36.9 | 33.4 | 92.3 | 125.0 | 214.6 | 303.8 | 239.2 | 101.6 | 47.3 |
| Total Release | cfs | 600. | 600. | 600. | 600. | 601. | 1501. | 2101. | 3490. | 5106. | 3890. | 1652. | 795. |

Glendo Reservoir Operations — Initial Content 104.2 Kaf — Operating Limits: Max 789.4 Kaf, 4653.00 Ft. Min 63.2 Kaf, 4570.02 Ft.

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alcova-Glendo Gain | kaf | 17.0 | 15.0 | 7.0 | 14.2 | 14.1 | 19.2 | 49.2 | 214.7 | 84.3 | 11.2 | 10.8 | 17.7 |
| Infl from Gray Reef | kaf | 36.9 | 35.7 | 36.9 | 36.9 | 33.4 | 92.3 | 125.0 | 214.6 | 303.8 | 239.2 | 101.6 | 47.3 |
| Total Inflow | kaf | 53.9 | 50.7 | 43.9 | 51.1 | 47.5 | 111.5 | 174.2 | 429.3 | 388.1 | 250.4 | 112.4 | 65.0 |
| Total Inflow | cfs | 877. | 852. | 714. | 831. | 855. | 1813. | 2928. | 6982. | 6522. | 4072. | 1828. | 1092. |
| Turbine Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.8 | 134.9 | 238.7 | 232.7 | 232.1 | 221.4 | 153.5 |
| Low Flow Release | kaf | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Spillway Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Irrigation Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 138.9 | 157.3 | 166.2 | 79.2 | 0.0 |
| Total Release | kaf | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 11.3 | 136.4 | 379.1 | 391.5 | 399.8 | 302.1 | 155.0 |
| Total Release | cfs | 24. | 25. | 24. | 24. | 27. | 184. | 2292. | 6165. | 6579. | 6502. | 4913. | 2605. |
| Evaporation | kaf | 1.0 | 0.7 | 0.7 | 0.7 | 0.8 | 1.9 | 3.3 | 5.1 | 7.1 | 6.9 | 4.4 | 1.9 |
| End-month content | kaf | 155.0 | 203.3 | 244.9 | 293.7 | 338.8* | 437.0* | 471.4* | 517.0* | 507.0* | 351.0* | 156.9* | 65.0* |
| End-month elevation | ft | 4592.1 | 4600.2 | 4606.2 | 4612.5 | 4617.8 | 4628.0 | 4631.1 | 4635.0 | 4634.1 | 4619.2 | 4592.4 | 4570.6 |

Guernsey Reservoir Operations — Initial Content 10.1 Kaf — Operating Limits: Max 45.6 Kaf, 4419.99 Ft. Min 0.0 Kaf, 4370.00 Ft.

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Glendo-Guerns Gain | kaf | 3.9 | 2.0 | 1.7 | 1.8 | 1.1 | 0.4 | 7.7 | 33.5 | 26.7 | 8.6 | 2.0 | 5.7 |
| Inflow from Glendo | kaf | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 11.3 | 136.4 | 379.1 | 391.5 | 399.8 | 302.1 | 155.0 |
| Total Inflow | kaf | 5.4 | 3.5 | 3.2 | 3.3 | 2.6 | 11.7 | 144.1 | 412.6 | 418.2 | 408.4 | 304.1 | 160.7 |
| Total Inflow | cfs | 88. | 59. | 52. | 54. | 47. | 190. | 2422. | 6710. | 7028. | 6642. | 4946. | 2701. |
| Turbine Release | kaf | 9.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 51.4 | 52.6 | 50.9 | 52.8 | 53.0 | 54.5 |
| Seepage | kaf | 0.3 | 0.2 | 0.3 | 0.4 | 0.3 | 0.3 | 0.4 | 1.2 | 3.0 | 3.1 | 2.5 | 2.1 |
| Spillway Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 83.8 | 357.9 | 363.1 | 355.1 | 247.5 | 130.4 |
| Total Release | kaf | 10.0 | 0.2 | 0.3 | 0.4 | 0.3 | 0.3 | 135.6 | 411.7 | 417.0 | 411.0 | 303.0 | 187.0 |
| Total Release | cfs | 163. | 3. | 5. | 7. | 5. | 5. | 2279. | 6696. | 7008. | 6684. | 4928. | 3143. |
| Evaporation | kaf | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.5 | 0.9 | 1.2 | 0.4 | 1.1 | 0.7 |
| End-month content | kaf | 5.3 | 8.4 | 11.1 | 13.8 | 15.9# | 27.0* | 35.0* | 35.0* | 35.0* | 32.0* | 32.0* | 5.0* |
| End-month elevation | ft | 4394.9 | 4398.7 | 4401.3 | 4403.4 | 4404.9 | 4411.4 | 4415.3 | 4415.3 | 4415.3 | 4413.9 | 4413.9 | 4394.5 |

NORTH PLATTE RIVER OPERATING PLAN
Year Beginning Oct 2000

OWNERSHIP OPERATIONS

North Platte Pathfinder — Initial Ownership 439.3 Kaf, Accrued this water year: 0.0 Kaf

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Net Accrual | kaf | 42.8 | 36.4 | 30.9 | 30.8 | 35.4 | 73.5 | 180.7 | 146.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| Evaporation | kaf | 2.8 | 1.7 | 1.1 | 1.1 | 1.2 | 2.5 | 5.1 | 8.0 | 13.2 | 12.7 | 11.4 | 7.9 |
| Deliv fm Ownership | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 87.3 | 105.6 |
| End-month Ownership | kaf | 482.1 | 518.5 | 549.4 | 580.2 | 615.6 | 689.1 | 869.8 | 1016.5 | 1003.3 | 990.6 | 891.9 | 778.4 |

North Platte Guernsey — Initial Ownership 0.0 Kaf, Accrued this water year: 0.0 Kaf

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Net Accrual | kaf | 0.0 | 0.0 | 8.4 | 15.6 | 14.9 | 6.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Evaporation/Seepage | kaf | 0.0 | 0.0 | 0.3 | 0.4 | 0.3 | 0.5 | 0.3 | 0.4 | 0.6 | 0.6 | 0.5 | 0.0 |
| Deliv fm Ownership | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 43.2 | 0.0 |
| End-month Ownership | kaf | 0.0 | 0.0 | 8.4 | 24.0 | 38.9 | 45.6 | 45.3 | 44.9 | 44.3 | 43.7 | 0.0 | 0.0 |

Inland Lakes — Initial Ownership 0.0 Kaf, Accrued this water year: 0.0 Kaf

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Net Accrual | kaf | 20.9 | 16.8 | 0.0 | 0.0 | 0.0 | 0.0 | 8.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Evaporation/Seepage | kaf | 0.0 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Trnsfr fm Ownership | kaf | 10.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| End-month Ownership | kaf | 10.9 | 27.7 | 27.6 | 27.5 | 27.4 | 27.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Kendrick — Initial Ownership1132.0 Kaf, Accrued this water year: 0.0 Kaf

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Net Accrual | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| Evaporation | kaf | 7.3 | 4.0 | 2.4 | 2.3 | 2.3 | 4.6 | 8.3 | 9.6 | 15.0 | 15.0 | 13.5 | 10.1 |
| Deliv fm Ownership | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.0 | 7.0 |
| End-month Ownership | kaf | 1124.7 | 1120.7 | 1118.3 | 1116.0 | 1113.7 | 1109.1 | 1100.8 | 1201.7 | 1186.7 | 1171.7 | 1141.2 | 1124.1 |

Glendo Unit — Initial Ownership 149.4 Kaf, Accrued this water year: 0.0 Kaf

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Accrual | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.4 | 24.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Evaporation | kaf | 1.0 | 0.5 | 0.3 | 0.3 | 0.3 | 0.6 | 1.2 | 1.7 | 2.4 | 2.3 | 2.0 | 1.5 |
| Deliv fm Ownership | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.0 | 12.0 |
| End-month Ownership | kaf | 148.4 | 147.9 | 147.6 | 147.3 | 147.0 | 158.8 | 182.0 | 180.3 | 177.9 | 175.6 | 165.6 | 152.1 |

Excess to Ownership — Initial Ownership 13.7 Kaf, Accrued this water year: 0.0 Kaf

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Accrual | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24.0 | 320.8 | 590.2 | 0.0 | 0.0 | 0.0 |
| Evaporation/Seepage | kaf | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 3.2 | 0.9 | 0.0 |
| Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 301.7 | 290.0 | 175.2 | 77.3 | 0.0 |
| End-month total | kaf | 13.6 | 13.5 | 13.5 | 13.5 | 13.5 | 13.4 | -62.7 | -43.6 | 256.6 | 78.2 | 0.0 | 0.0 |

NORTH PLATTE RIVER OPERATING PLAN
Year Beginning Oct 2000

City of Cheyenne Initial Ownership 3.7 Kaf,

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Inflow | kaf | 1.1 | 1.3 | 1.4 | 1.5 | 1.3 | 0.1 | 0.1 | 0.3 | 0.0 | 0.5 | 0.6 | 0.3 |
| Evaporation | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.9 | 0.0 | 0.0 | 0.0 |
| Ownership | kaf | 4.8 | 6.1 | 7.5 | 9.0 | 10.3 | 10.4 | 10.4 | 7.9 | 6.9 | 7.3 | 7.8 | 8.0 |

Pacificorp Initial Ownership 2.0 Kaf,

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Inflow | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.3 | 0.0 | 0.0 |
| Evaporation | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Release | kaf | 0.6 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Ownership | kaf | 1.4 | 1.2 | 1.1 | 1.0 | 0.9 | 0.8 | 0.7 | 1.2 | 1.7 | 2.0 | 2.0 | 2.0 |

Other Initial Ownership 0.0 Kaf,

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Inflow | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Evaporation | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Ownership | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

IRRIGATION DELIVERY

| Kendrick (Casper Canal) | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Requested | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.0 | 17.0 | 18.0 | 17.0 | 7.0 |
| Delivered | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.0 | 17.0 | 18.0 | 17.0 | 7.0 |

| Kendrick (River) | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Requested | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Delivered | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Guernsey Deliveries | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| North Platte Req | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 110.0 | 125.0 | 305.0 | 295.0 | 175.0 |
| Glendo Req | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 6.0 | 8.0 | 12.0 |
| Inland Lakes Req | kaf | 10.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Requirement | kaf | 10.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.6 | 110.0 | 127.0 | 311.0 | 303.0 | 187.0 |
| Seepage | kaf | 0.3 | 0.2 | 0.3 | 0.4 | 0.3 | 0.3 | 0.4 | 1.2 | 3.0 | 3.1 | 2.5 | 2.1 |
| Actual Release | kaf | 10.0 | 0.2 | 0.3 | 0.4 | 0.3 | 0.3 | 135.6 | 411.7 | 417.0 | 411.0 | 303.0 | 187.0 |
| Waste | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 301.7 | 290.0 | 100.0 | 0.0 | 0.0 |

NORTH PLATTE RIVER OPERATING PLAN
Year Beginning Oct 2000

POWER GENERATION

| Seminoe Power Plant | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbine Release | kaf | 55.5 | 53.6 | 55.4 | 55.4 | 129.5 | 135.1 | 154.7 | 194.4 | 185.1 | 175.6 | 86.1 | 59.5 |
| Bypass | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 14.9 | 24.7 | 0.0 | 42.9 | 97.7 | 0.0 | 0.0 | 0.0 |
| Maximum generation | gwh | 24.298 | 32.364 | 33.377 | 23.039 | 21.646 | 21.687 | 29.139 | 31.523 | 32.207 | 32.274 | 32.292 | 31.486 |
| Actual generation | gwh | 9.681 | 9.326 | 9.531 | 9.490 | 21.646 | 21.687 | 24.288 | 31.523 | 32.207 | 31.608 | 15.498 | 10.651 |
| Percent max generation | | 40. | 29. | 29. | 41. | 100. | 100. | 83. | 100. | 100. | 98. | 48. | 34. |
| Average kwh/af | | 174. | 174. | 172. | 171. | 167. | 161. | 157. | 162. | 174. | 180. | 180. | 179. |

| Kortes Power Plant | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbine Release | kaf | 55.4 | 53.6 | 55.4 | 55.4 | 144.4 | 159.8 | 154.7 | 160.5 | 155.3 | 160.5 | 86.1 | 59.5 |
| Bypass | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 76.8 | 127.5 | 15.1 | 0.0 | 0.0 |
| Maximum generation | gwh | 20.399 | 17.819 | 19.591 | 27.606 | 24.940 | 27.606 | 26.712 | 27.606 | 26.712 | 27.606 | 27.606 | 26.712 |
| Actual generation | gwh | 9.529 | 9.219 | 9.529 | 9.529 | 24.837 | 27.486 | 26.608 | 27.606 | 26.712 | 27.606 | 14.809 | 10.234 |
| Percent max generation | | 47. | 52. | 49. | 35. | 100. | 100. | 100. | 100. | 100. | 100. | 54. | 38. |
| Average kwh/af | | 172. | 172. | 172. | 172. | 172. | 172. | 172. | 172. | 172. | 172. | 172. | 172. |

| Fremont Canyon | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbine Release | kaf | 13.8 | 36.0 | 37.1 | 37.1 | 33.6 | 92.7 | 149.4 | 169.1 | 163.6 | 169.1 | 120.1 | 55.5 |
| Bypass | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 61.6 | 158.7 | 89.8 | 0.0 | 0.0 |
| Maximum generation | gwh | 22.798 | 24.460 | 40.186 | 46.325 | 42.396 | 47.230 | 45.729 | 47.299 | 45.784 | 47.294 | 47.253 | 45.705 |
| Actual generation | gwh | 3.723 | 9.784 | 10.122 | 10.164 | 9.329 | 25.891 | 41.760 | 47.299 | 45.784 | 47.294 | 33.560 | 15.505 |
| Percent max generation | | 16. | 40. | 25. | 22. | 22. | 55. | 91. | 100. | 100. | 100. | 71. | 34. |
| Average kwh/af | | 270. | 272. | 273. | 274. | 278. | 279. | 280. | 280. | 280. | 280. | 279. | 279. |

| Alcova Power Plant | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbine Release | kaf | 37.2 | 35.7 | 36.9 | 36.9 | 33.4 | 45.7 | 108.0 | 196.8 | 190.4 | 196.8 | 101.7 | 47.4 |
| Bypass | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 46.6 | 17.1 | 17.9 | 113.5 | 42.5 | 0.0 | 0.0 |
| Maximum generation | gwh | 13.584 | 13.301 | 13.736 | 13.736 | 12.403 | 6.215 | 14.904 | 27.552 | 26.656 | 27.552 | 27.552 | 15.120 |
| Actual generation | gwh | 5.136 | 4.855 | 5.018 | 5.018 | 4.542 | 6.215 | 14.904 | 27.552 | 26.656 | 27.552 | 14.238 | 6.636 |
| Percent max generation | | 38. | 37. | 37. | 37. | 37. | 100. | 100. | 100. | 100. | 100. | 52. | 44. |
| Average kwh/af | | 138. | 136. | 136. | 136. | 136. | 136. | 138. | 140. | 140. | 140. | 140. | 140. |

| Glendo Power Plant | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbine Release | kaf | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.8 | 134.9 | 238.7 | 232.7 | 232.1 | 221.4 | 153.5 |
| Bypass | kaf | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 140.4 | 158.8 | 167.7 | 80.7 | 1.5 |
| Maximum generation | gwh | 13.828 | 12.149 | 19.505 | 10.771 | 16.899 | 24.351 | 25.429 | 27.466 | 27.096 | 25.537 | 20.414 | 12.774 |
| Actual generation | gwh | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.047 | 15.105 | 27.466 | 27.096 | 25.537 | 20.414 | 9.829 |
| Percent max generation | | 0. | 0. | 0. | 0. | 0. | 4. | 59. | 100. | 100. | 100. | 100. | 77. |
| Average kwh/af | | 0. | 0. | 0. | 0. | 0. | 107. | 112. | 115. | 116. | 110. | 92. | 64. |

| Guernsey Power Plant | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbine Release | kaf | 9.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 51.4 | 52.6 | 50.9 | 52.8 | 53.0 | 54.5 |
| Bypass | kaf | 0.3 | 0.2 | 0.3 | 0.4 | 0.3 | 0.3 | 84.2 | 359.1 | 366.1 | 358.2 | 250.0 | 132.5 |
| Maximum generation | gwh | 2.375 | 1.928 | 3.308 | 2.543 | 3.170 | 3.691 | 3.711 | 3.840 | 3.716 | 3.839 | 3.837 | 3.515 |
| Actual generation | gwh | 0.499 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 3.711 | 3.840 | 3.716 | 3.839 | 3.837 | 3.515 |
| Percent max generation | | 21. | 0. | 0. | 0. | 0. | 0. | 100. | 100. | 100. | 100. | 100. | 100. |
| Average kwh/af | | 51. | 0. | 0. | 0. | 0. | 0. | 72. | 73. | 73. | 73. | 72. | 64. |

NORTH PLATTE RIVER OPERATING PLAN
Year Beginning Oct 2000

PROJECT GENERATION SUMMARY

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Base Generation: | | | | | | | | | | | | | |
| Glendo | gwh | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.047 | 15.105 | 27.466 | 27.096 | 25.537 | 20.414 | 9.829 |
| Guernsey | gwh | 0.499 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 3.711 | 3.840 | 3.716 | 3.839 | 3.837 | 3.515 |
| Total | gwh | 0.499 | 0.000 | 0.000 | 0.000 | 0.000 | 1.047 | 18.816 | 31.306 | 30.812 | 29.376 | 24.251 | 13.344 |
| Load Following Generation: | | | | | | | | | | | | | |
| Seminoe | gwh | 9.681 | 9.326 | 9.531 | 9.490 | 21.646 | 21.687 | 24.288 | 31.523 | 32.207 | 31.608 | 15.498 | 10.651 |
| Kortes | gwh | 9.529 | 9.219 | 9.529 | 9.529 | 24.837 | 27.486 | 26.608 | 27.606 | 26.712 | 27.606 | 14.809 | 10.234 |
| Fremont Canyon | gwh | 3.723 | 9.784 | 10.122 | 10.164 | 9.329 | 25.891 | 41.760 | 47.299 | 45.784 | 47.294 | 33.560 | 15.505 |
| Alcova | gwh | 5.136 | 4.855 | 5.018 | 5.018 | 4.542 | 6.215 | 14.904 | 27.552 | 26.656 | 27.552 | 14.238 | 6.636 |
| Total | gwh | 28.069 | 33.184 | 34.200 | 34.201 | 60.354 | 81.279 | 107.560 | 133.980 | 131.359 | 134.060 | 78.105 | 43.026 |
| Total Generation | gwh | 28.568 | 33.184 | 34.200 | 34.201 | 60.354 | 82.326 | 126.376 | 165.286 | 162.171 | 163.436 | 102.356 | 56.370 |
| Total Capability | gwh | 97.282 | 102.021 | 129.703 | 124.020 | 121.454 | 130.780 | 145.624 | 165.286 | 162.171 | 164.102 | 158.954 | 135.312 |

PROJECT RELEASE FLEXIBILITY

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Seminoe | Min kaf | 55.5 | 53.6 | 30.8 | 30.8 | 112.8 | 128.3 | 153.4 | 237.3 | 282.8 | 175.6 | 86.1 | 59.5 |
| | Max kaf | 55.5 | 53.6 | 80.0 | 80.0 | 145.0 | 160.5 | 185.6 | 237.3 | 282.8 | 175.6 | 86.1 | 59.5 |
| | Min gwh | 9.681 | 9.326 | 5.299 | 5.276 | 18.855 | 20.595 | 24.084 | 31.523 | 32.207 | 31.608 | 15.498 | 10.651 |
| | Max gwh | 9.681 | 9.326 | 13.764 | 13.704 | 21.646 | 21.687 | 29.139 | 31.523 | 32.207 | 31.608 | 15.498 | 10.651 |
| Kortes | Min kaf | 55.4 | 53.6 | 30.8 | 30.8 | 112.8 | 128.3 | 153.4 | 237.3 | 282.8 | 175.6 | 86.1 | 59.5 |
| | Max kaf | 55.4 | 53.6 | 80.0 | 80.0 | 145.0 | 160.5 | 185.6 | 237.3 | 282.8 | 175.6 | 86.1 | 59.5 |
| | Min gwh | 9.529 | 9.219 | 5.298 | 5.298 | 19.402 | 22.068 | 26.385 | 27.606 | 26.712 | 27.606 | 14.809 | 10.234 |
| | Max gwh | 9.529 | 9.219 | 13.760 | 13.760 | 24.940 | 27.606 | 26.712 | 27.606 | 26.712 | 27.606 | 14.809 | 10.234 |
| Fremont Canyon | Min kaf | 7.6 | 30.1 | 30.9 | 30.9 | 28.0 | 92.7 | 149.4 | 230.7 | 322.3 | 258.9 | 120.1 | 55.5 |
| | Max kaf | 37.7 | 60.2 | 61.0 | 61.0 | 58.1 | 92.7 | 149.4 | 230.7 | 322.3 | 258.9 | 120.1 | 55.5 |
| | Min gwh | 2.050 | 8.181 | 8.430 | 8.465 | 7.774 | 25.891 | 41.760 | 47.299 | 45.784 | 47.294 | 33.560 | 15.505 |
| | Max gwh | 10.171 | 16.361 | 16.642 | 16.711 | 16.131 | 25.891 | 41.760 | 47.299 | 45.784 | 47.294 | 33.560 | 15.505 |
| Alcova | Min kaf | 31.0 | 29.8 | 30.7 | 30.7 | 27.8 | 92.3 | 125.1 | 214.7 | 303.9 | 239.3 | 101.7 | 47.4 |
| | Max kaf | 61.1 | 59.9 | 60.8 | 60.8 | 57.9 | 92.3 | 125.1 | 214.7 | 303.9 | 239.3 | 101.7 | 47.4 |
| | Min gwh | 4.280 | 4.053 | 4.175 | 4.175 | 3.781 | 6.215 | 14.904 | 27.552 | 26.656 | 27.552 | 14.238 | 6.636 |
| | Max gwh | 8.435 | 8.146 | 8.269 | 8.269 | 7.874 | 6.215 | 14.904 | 27.552 | 26.656 | 27.552 | 14.238 | 6.636 |
| Load Following | Min gwh | 25.540 | 30.779 | 23.202 | 23.214 | 49.812 | 74.769 | 107.133 | 133.980 | 131.359 | 134.060 | 78.105 | 43.026 |
| | Max gwh | 37.816 | 43.052 | 52.435 | 52.444 | 70.591 | 81.399 | 112.515 | 133.980 | 131.359 | 134.060 | 78.105 | 43.026 |
| Total Project | Min gwh | 26.039 | 30.779 | 23.202 | 23.214 | 49.812 | 75.816 | 125.949 | 165.286 | 162.171 | 163.436 | 102.356 | 56.370 |
| | Max gwh | 38.315 | 43.052 | 52.435 | 52.444 | 70.591 | 82.446 | 131.331 | 165.286 | 162.171 | 163.436 | 102.356 | 56.370 |

NORTH PLATTE RIVER OPERATING PLAN
Year Beginning Oct 2000

GENERATION CAPACITY AND DURATION

| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Project Generation** | | | | | | | | | | | | | |
| Base Generation: | | | | | | | | | | | | | |
| Glendo | mw | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 21.0 | 36.9 | 37.6 | 34.3 | 27.4 | 13.7 |
| Guernsey | mw | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 4.9 |
| Total Base Load | mw | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 26.2 | 42.1 | 42.8 | 39.5 | 32.6 | 18.6 |
| Load Following Generation: | | | | | | | | | | | | | |
| Seminoe | | | | | | | | | | | | | |
| Min Capacity | mw | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| Duration | mw | 12.0 | 12.0 | 12.0 | 12.0 | 11.9 | 11.9 | 9.6 | 6.8 | 6.8 | 7.2 | 12.6 | 12.0 |
| Max Capacity | mw | 16.3 | 15.6 | 16.3 | 16.3 | 43.9 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 28.6 | 17.8 |
| Duration | mw | 12.0 | 12.0 | 12.0 | 12.0 | 12.1 | 12.1 | 14.4 | 17.2 | 17.2 | 16.8 | 11.4 | 12.0 |
| Kortes | | | | | | | | | | | | | |
| Min Capacity | mw | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| Duration | mw | 11.8 | 11.8 | 11.8 | 11.8 | 4.8 | 2.2 | 3.1 | 2.1 | 3.0 | 2.1 | 11.9 | 12.0 |
| Max Capacity | mw | 17.5 | 16.8 | 17.5 | 17.5 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 29.9 | 19.3 |
| Duration | mw | 12.2 | 12.2 | 12.2 | 12.2 | 19.2 | 21.8 | 20.9 | 21.9 | 21.0 | 21.9 | 12.1 | 12.0 |
| Fremont Canyon | | | | | | | | | | | | | |
| Min Capacity | mw | 0.0 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 66.0 | 66.0 | 66.0 | 7.5 | 7.5 |
| Duration | mw | 0.0 | 12.0 | 12.0 | 12.0 | 12.0 | 11.6 | 2.6 | 12.0 | 12.0 | 12.0 | 7.1 | 12.0 |
| Max Capacity | mw | 0.0 | 21.9 | 22.9 | 22.9 | 19.7 | 64.7 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 38.4 |
| Duration | mw | 0.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.4 | 21.4 | 12.0 | 12.0 | 12.0 | 16.9 | 12.0 |
| Alcova | | | | | | | | | | | | | |
| Min Capacity | mw | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| Duration | mw | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 11.9 | 1.9 | 3.0 | 1.9 | 12.0 | 12.0 |
| Max Capacity | mw | 10.8 | 10.2 | 10.7 | 10.7 | 9.2 | 14.2 | 34.4 | 36.0 | 36.0 | 36.0 | 32.7 | 14.6 |
| Duration | mw | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.1 | 22.1 | 21.0 | 22.1 | 12.0 | 12.0 |
| Total Load Following | | | | | | | | | | | | | |
| Min Capacity | mw | 16.3 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 82.3 | 82.3 | 82.3 | 23.8 | 23.8 |
| Max Capacity | mw | 44.6 | 64.5 | 67.4 | 67.4 | 108.8 | 159.9 | 181.4 | 183.0 | 183.0 | 183.0 | 157.2 | 90.1 |
| Total Project Capacity | | | | | | | | | | | | | |
| Min Capacity | mw | 17.0 | 23.8 | 23.8 | 23.8 | 23.8 | 25.2 | 50.0 | 124.4 | 125.1 | 121.8 | 56.4 | 42.4 |
| Max Capacity | mw | 45.3 | 64.5 | 67.4 | 67.4 | 108.8 | 161.3 | 207.6 | 225.1 | 225.8 | 222.5 | 189.8 | 108.7 |

## Glossary

Annual Operating Plan(AOP) - An annual publication which is prepared, reviewed, and presented to the public, with a summary of the actual operations and outlook for the coming Water Year.

Acre-Foot(AF) - A measure of volume of water equal to an area of 1 acre covered with water 1 foot deep. (43,560 cubic feet)

Basin - The watershed from which overland runoff flows into the North Platte River. When used alone in this report it refers to the North Platte River Drainage Basin upstream of Guernsey Dam.

Bypass - That amount of water released from a reservoir other than through the powerplant for those reservoirs which have a powerplant connected to them.

Cubic foot per second (cfs) - The rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute. The volume of water represented by a flow of 1 cubic foot per second for 24 hours is equivalent to 86,400 cubic feet, approximately 1.983 AF, or 646,272 gallons.

Evaporation pool - A volume of water set aside in the accounting process from which reservoir evaporation is subtracted as it occurs. (Used in Glendo storage accounting).

Flood pool - A physical space in the reservoir which is to be occupied only by water from flood events. In Glendo Reservoir, the volume between reservoir elevations 4635.0 feet and 4653.0 feet is reserved exclusively for flood control.

Gains - Water which enters a river in a defined reach from a source other than an upstream release. When flow released into a reach is greater than the river flow exiting the lower end of the reach the net gain is negative (loss of water in the reach).

Head - The difference in elevation between the reservoir water surface and the power generating turbines at a powerplant which is connected to a reservoir.

Hydromet - Computer software designed for the acquisition, processing, storage and retrieval of hydrological and meteorological data which is gathered via satellite from remote sites.

Inflow - As used in this report is any water which enters a reservoir irrespective of whether it originated in the reach or was released from an upstream storage reservoir.

Inland Lakes - A series of four off-stream storage reservoirs on the Interstate Canal system in Nebraska which are used to store and re-release irrigation water. (Lake Alice, Lake Minatare, Little Lake Alice, and Lake Winters Creek)

Megawatt(MW) - one million watts

Natural flow - River flow which has originated from a source other than reservoir storage.

Power pool - That space in a reservoir which must be full in order to efficiently generate electrical power through an associated turbine generator

Precipitation - A deposit on the earth of hail, mist, rain, sleet, or snow.

Runoff - That part of precipitation on the Basin which appears as flow in the North Platte River.

Silt Run - The name given to the practice of flushing silt from Guernsey Reservoir into the North Platte River downstream where the silt laden water is diverted by irrigators. The silt tends to settle in the slower moving water of canals and laterals helping to seal the wetted perimeter and reduce seepage losses.

SNOTEL - Snowpack telemetry network. A network of Natural Resources Conservation Service automated sites which continually monitor snowpack and weather conditions and transmit data to a data retrieval center in Portland, Oregon.

System - As used in the report the System includes all storage, delivery, and power generating facilities on the mainstem of the North Platte River in Wyoming.

Water Year - October 1 through September 30

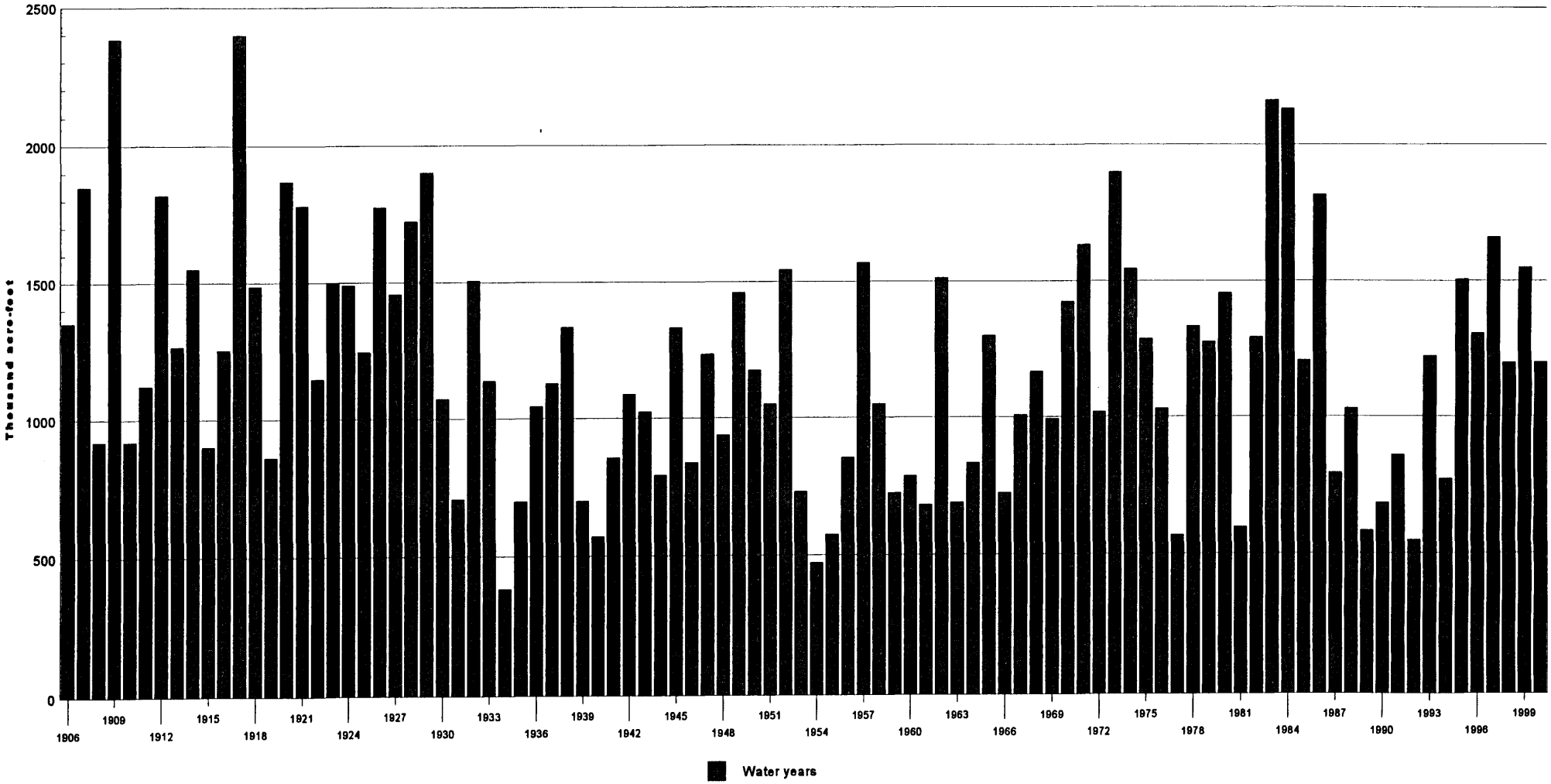
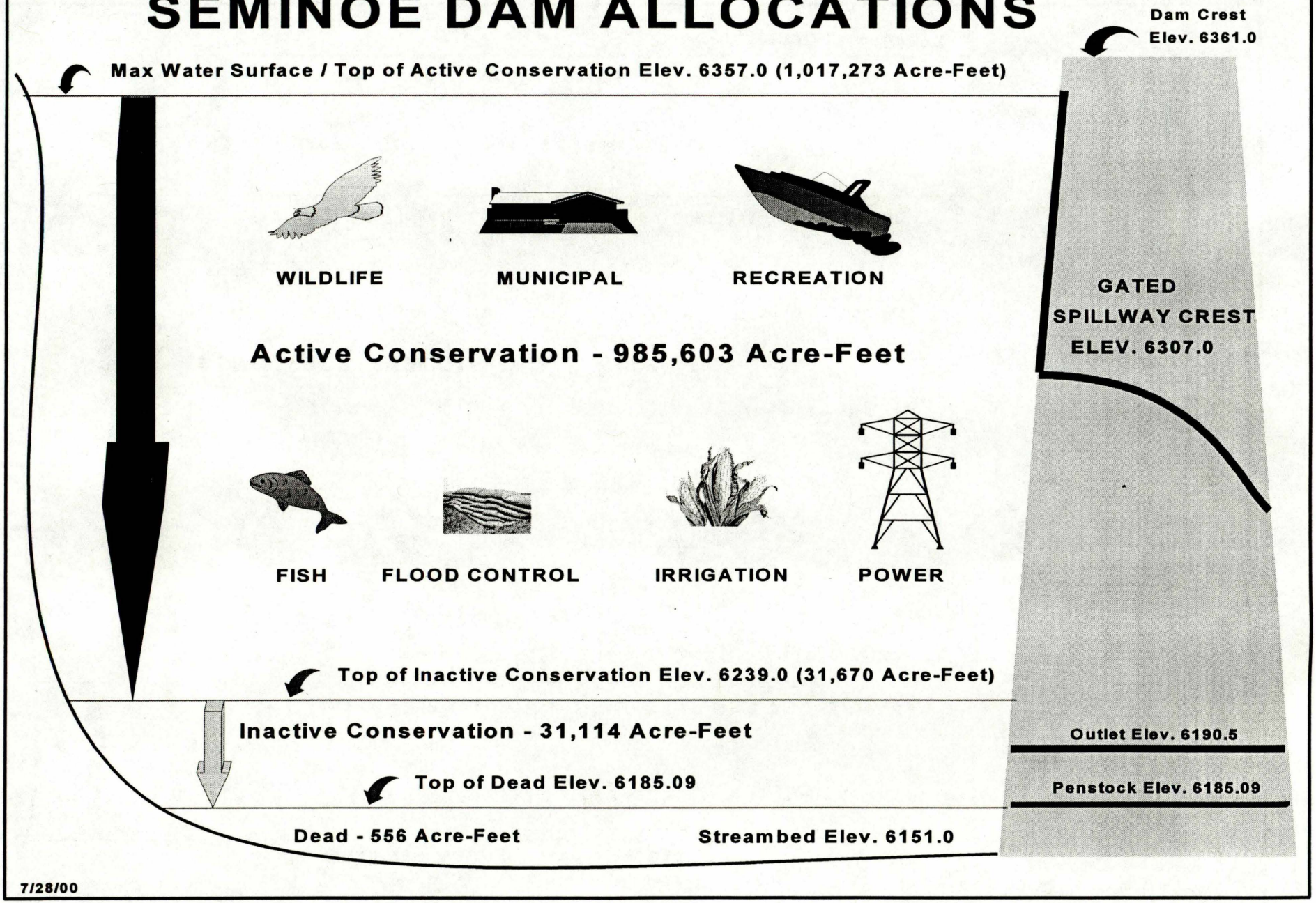

2500
2000
1500
1000
500
0
Thousand acre-feet
1906
1909
1912
1915
1918
1921
1924
1927
1930
1933
1936
1939
1942
1945
1948
1951
1954
1957
1960
1963
1966
1969
1972
1975
1978
1981
1984
1987
1990
1993
1996
1999
Water years

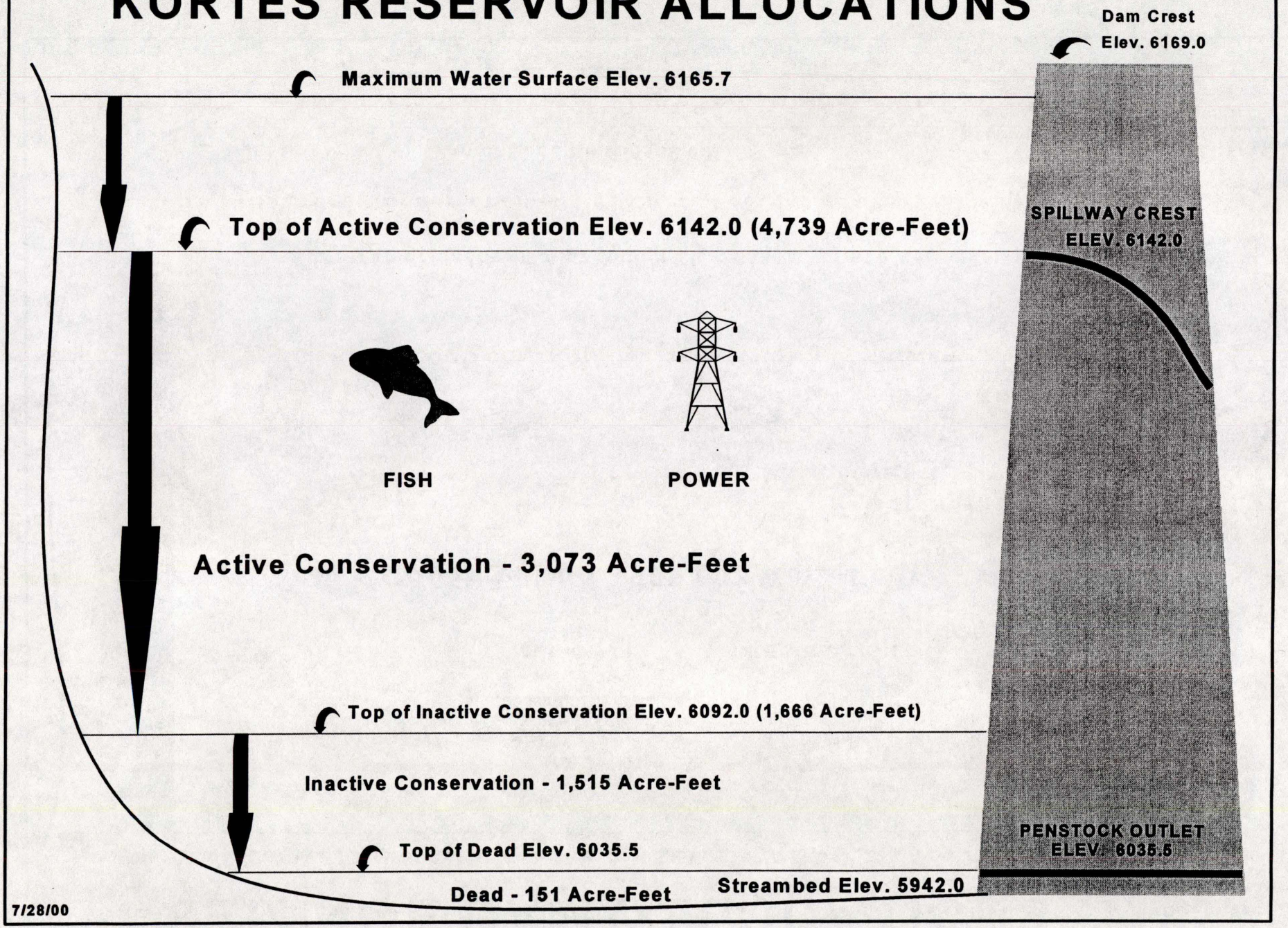
Figure 20

# SEMINOE DAM ALLOCATIONS



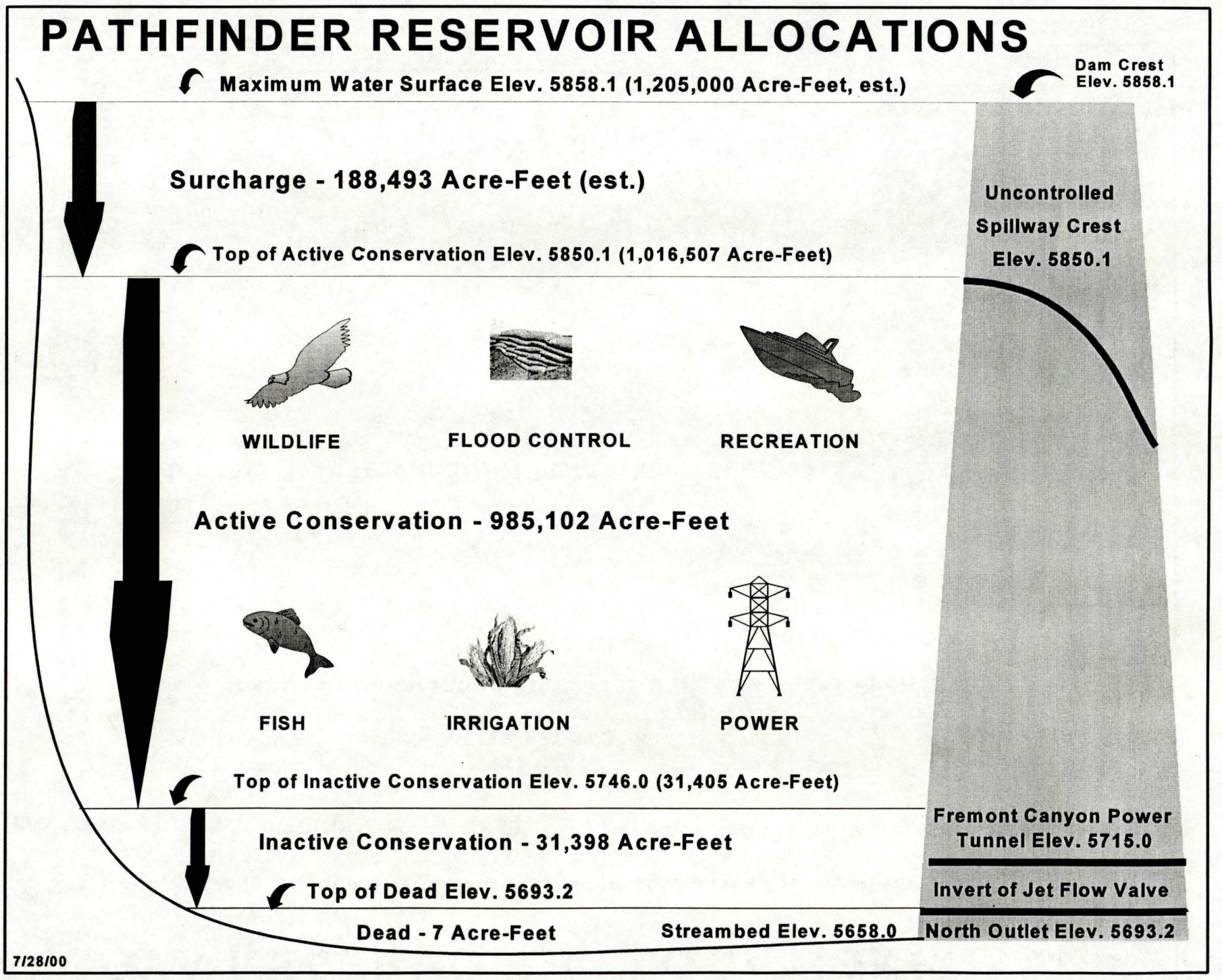

Note: Symbols represent typical reservoir uses.

# KORTES RESERVOIR ALLOCATIONS

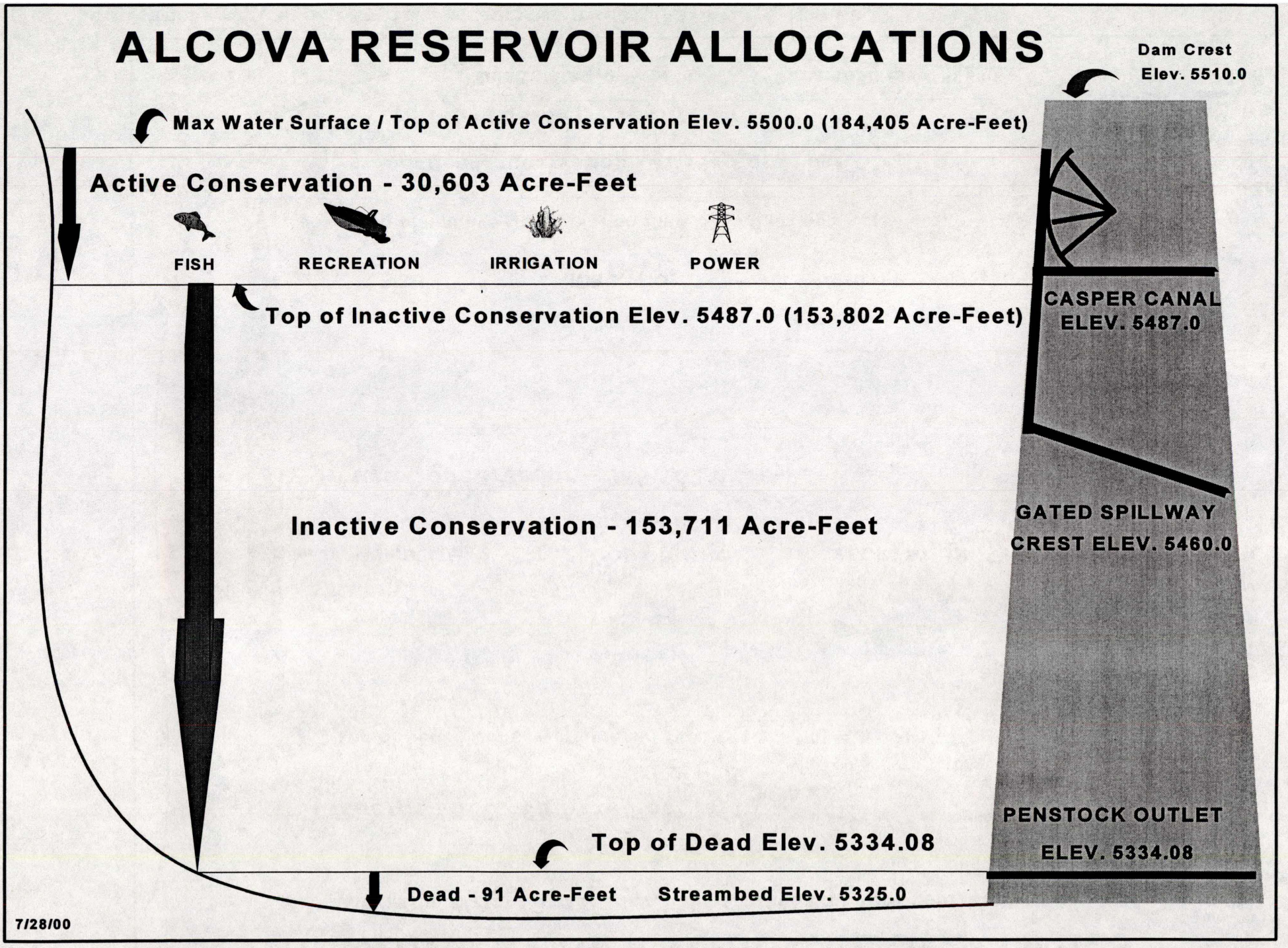



Note: Symbols represent typical reservoir uses.

# PATHFINDER RESERVOIR ALLOCATIONS

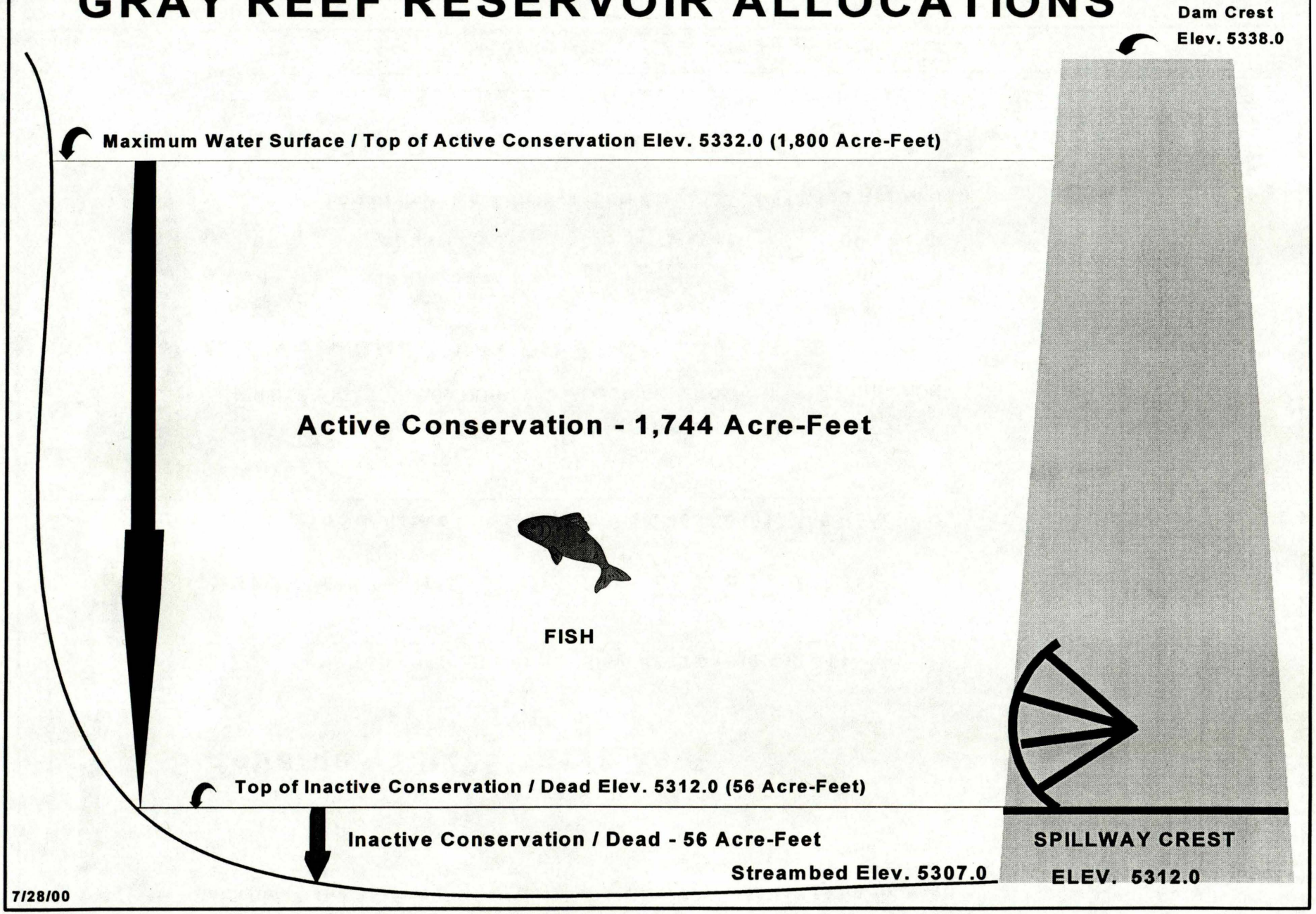



Note: Symbols represent typical reservoir uses.

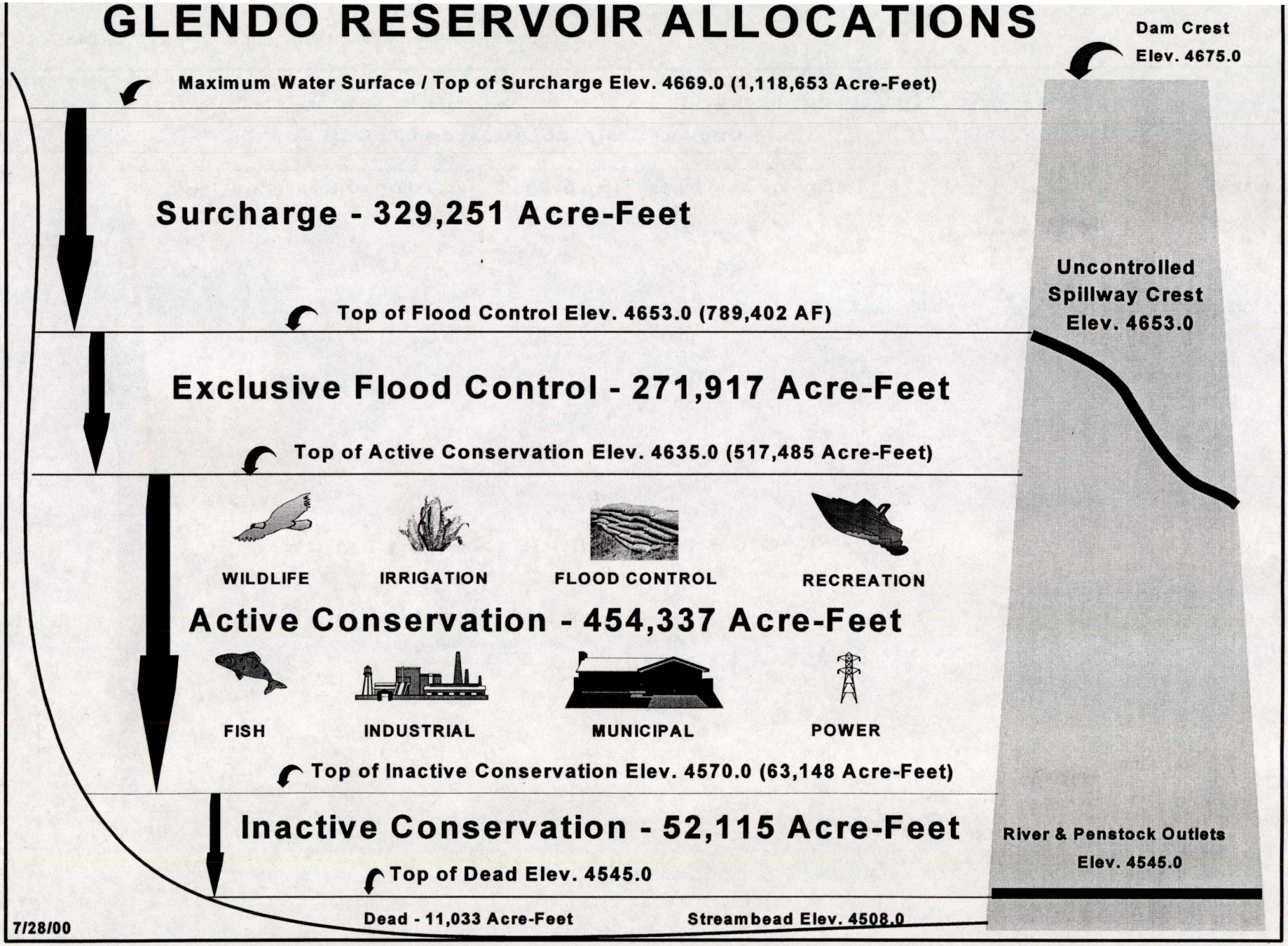



Note: Symbols represent typical reservoir uses.

# GRAY REEF RESERVOIR ALLOCATIONS




Note: Symbols represent typical reservoir uses.



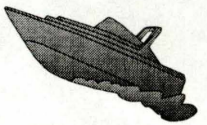

Note: Symbols represent typical reservoir uses.

# GUERNSEY RESERVOIR ALLOCATIONS

Dam Crest
Elev. 4430.0

Maximum Water Surface / Top of Conservation Elev. 4420.0 (45,612 Acre-Feet)

FLOOD CONTROL

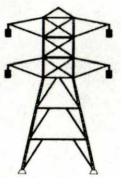


RECREATION

GATED SOUTH
SPILLWAY CREST
ELEV. 4405.50

**Active Conservation - 45,612 Acre-Feet**

IRRIGATION



POWER

GATED NORTH
SPILLWAY CREST
ELEV. 4370.0

Penstock Outlet
Elev. 4360.0

**Inactive & Dead - 0 Acre-Feet**
**(Zero Storage Until Elev. 4370.0)**

Streambed Elev. 4338.0

7/28/00

Note: Symbols represent typical reservoir uses.

GRAY REEF RESERVOIR

ALCOVA RESERVOIR

PATHFINDER RESERVOIR

CASPER-ALCOVA I.D.
KENDRICK PROJECT

Proposed Deer Creek Reservoir

GLENDO RESERVOIR

GUERNSEY RESERVOIR

WHALEN DIVERSION DAM

PATHFINDER I.D.
N.P. PROJECT

TRI-STATE DAM

LAKE ALICE

LITTLE LAKE ALICE

LAKE WINTERS CREEK

LAKE MINATARE

KORTES RESERVOIR

SEMINOE RESERVOIR

NORTHPORT I.D.
N.P. PROJECT

GOSHEN I.D.
N.P. PROJECT

Proposed Teeters Reservoir
Corn Creek Project

GERING-FT. LARAMIE I.D.
N.P. PROJECT

N.

WYOMING
NEBRASKA

COLORADO

SPECIAL MASTER'S NATURAL SECTIONS
OF THE RIVER BASIN

① NORTH PARK, COLORADO
② COLO.-WY. LINE TO PATHFINDER DAM
③ PATHFINDER DAM TO WHALEN, WY.
④ WHALEN, WY. TO THE TRI-STATE DAM IN NEBR.
⑤ TRI-STATE DAM TO KINGSLEY RESERVOIR

Seminoe Reservoir (Kendrick Project)
Wyoming Permit No. 4552 R for 1,026,360 a-f Date 12-1-1931
Current Capacity: 1,017,273 a-f

Kortes Reservoir (Pick-Sloan Missouri Basin Program)
Wyoming Permit No. 5580 R for 4,640 a-f Date 9-11-1933
Current capacity: 4,739 a-f

Pathfinder Reservoir (North Platte Project)
Wyoming Permit No. 609 R for 1,070,000 a-f Date 12-6-1904
Current capacity: 1,016,507 a-f

Alcova Reservoir (Kendrick Project)
Wyoming Permit No. 4630 R for 184,295 a-f Date 4-25-1936
Current capacity: 184,405 a-f

Gray Reef Reservoir (Pick-Sloan Missouri Basin Program)
Wyoming Permit No. 6489 R Date 8-12-1959
Current capacity: 1,800 a-f

Glendo Reservoir (Pick-Sloan Missouri Basin Program)
Wyoming Permit No. 5998 R for 800,000 a-f Date 8-30-1951
Current capacity: 789,402 a-f

Guernsey Reservoir (North Platte Project)
Wyoming Permit No. 3905 R for 71,040 a-f Date 4-20-1923
Current capacity: 45,612 a-f

Lake Alice (North Platte Project)
Current capacity: 11,015 a-f

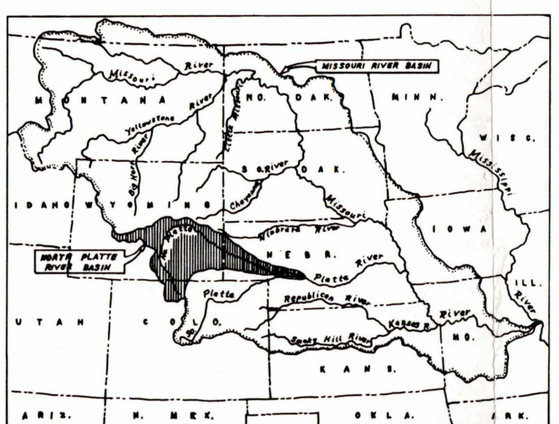
Little Lake Alice (North Platte Project)

Lake Winters Creek (North Platte Project)
Current capacity: 2,964 a-f

Lake Minatare (North Platte Project)
Current capacity: 60,776 a-f

REFERENCE DRAWINGS

NORTH PLATTE RIVER AREA IRRIGATION.....20-703-5198




LEGEND

IRRIGATED LANDS

10 0 10 20 30 40
SCALE OF MILES

| | | |
|---|---|---|
| 5-23-88 | 703 | D.W. |

ADDED SPEC. MASTER'S NUMBERS & PROPOSED DEER CREEK RES. & CORN CREEK PROJECT

ALWAYS THINK SAFETY

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION

NORTH PLATTE RIVER BASIN

DESIGNED _____ FIELD APPROVAL _____
DRAWN C.L.C. TECHNICAL APPROVAL _____
CHECKED _____ APPROVED _____

CASPER, WYOMING MARCH 31 1987 | 20-703-5199