US Army Corps
of Engineers

AOP

2000-2001

Northwestern Division
Missouri River Basin
Water Management Division

Missouri River Main Stem Reservoirs

2000-2001 Annual Operating Plan

January 2001

DEPARTMENT OF THE ARMY
NORTHWESTERN DIVISION, CORPS OF ENGINEERS
12565 WEST CENTER ROAD
OMAHA, NEBRASKA 68144-3869

REPLY TO
ATTENTION OF

This Annual Operating Plan (AOP) for the Missouri River System was prepared by the Corps of Engineers' Missouri River Basin Water Management Division, Northwestern Division. The plan outlines the operating objectives of the Missouri River main stem reservoirs for the coming year (December 2000 through July 2001). In addition, two sets of 5-year extensions to the AOP, through March 2007, are presented to serve as guides for longer range planning.

Previous AOP's have included a System description and discussion of the typical operation to meet authorized purposes and a historic summary of the previous year's operation. Although not included in this AOP, they are available as separate reports upon request. To receive a copy of either the "System Description and Operation" or the "Summary of Actual 1999-00 Operations," contact the Water Management Division at 12565 West Center Road, Omaha, Nebraska 68144-3869, phone (402) 697-2676. Both reports are also available at the "Reports and Publications" link on our web site at: **www.nwd.usace.army.mil/rcc**.

The development of this year's Draft AOP was coordinated with the Missouri River Natural Resources Committee (MRNRC) and the general public. The MRNRC recommendations for the 2000-2001 AOP are shown as Exhibits 1 and 2.

The Draft AOP also received review at three fall public meetings held at Bismarck, North Dakota, on October 17, 2000, at Fort Peck, Montana, on October 18, 2000, and at Kansas City, Missouri, on October 19, 2000. The primary purpose of these meetings was to present the Draft AOP and receive comments from all concerned. Private citizens and representatives of public and industry interest groups and Missouri River basin states attended the meetings.

The final plan presented in this report is approved as the framework within which the Missouri River Region will schedule detailed daily, weekly, and monthly regulation of the individual main stem reservoirs for the period December 2000 through 2001. The final plan differs slightly from the draft plan presented at the October public meetings. First, the AOP studies were updated to reflect current basin conditions as of December 1, 2000. The final plan also differs from the draft in that lower winter System releases are used when System storage is below normal as an additional water conservation measure and to offset excess releases made for threatened and endangered species operation during the previous summer. Although a winter release rate of 12,000 cubic feet per second was used in the studies, releases will be adjusted as needed to assure adequate downstream water supply. This change was the result of suggestions from various interests made during the public comment period. A number of clarifications and word changes were also made to the draft to improve readability. The press release announcing the adopted plan for next year is shown on Exhibit 3.

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MISSOURI RIVER MAIN STEM RESERVOIRS

Annual Operating Plan
2000-2001

TABLES

PLATES

EXHIBITS

ABBREVIATIONS

AOP	-	annual operating plan
ac.ft.	-	acre-feet
AF	-	acre-feet
B	-	Billion
cfs	-	cubic feet per second
Corps	-	Corps of Engineers
CY	-	calendar year (January 1 to December 31)
elev	-	elevation
ft	-	feet
FY	-	fiscal year (October 1 to September 30)
GIS	-	Geographic Information System
GWh	-	gigawatt hour
KAF	-	1,000 acre-feet
Kcfs	-	1,000 cubic feet per second
kW	-	kilowatt
kWh	-	kilowatt hour
M	-	million
MAF	-	million acre-feet
MRBA	-	Missouri River Basin Association
MRNRC	-	Missouri River Natural Resources Committee
msl	-	mean sea level
MW	-	megawatt
MWh	-	megawatt hour
PI	-	Preliminary Injunction
plover	-	piping plover
pp	-	powerplant
P-S MBP	-	Pick-Sloan Missouri Basin Program
RCC	-	Reservoir Control Center
RM	-	river mile
tern	-	interior least tern
TRO	-	Temporary Restraining Order
tw	-	tailwater
USGS	-	United States Geological Survey
yr	-	year

DEFINITION OF TERMS

Acre-foot (AF, ac-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or 325,850 gallons.

Cubic foot per second (cfs) is 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 acre-feet, or 646,272 gallons.

Discharge is the volume of water (or more broadly, volume of fluid plus suspended sediment) that passes a given point within a given period of time.

Drainage area of a stream at a specific location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the river above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Drainage basin is a part of the surface of the earth that is occupied by drainage system, which consists of a surface stream or body of impounded surface water together with all tributary surface streams and bodies of impounded water.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of hydrologic data are obtained.

Runoff in inches shows the depth to which the drainage area would be covered if allquota the runoff for a given time period were uniformly distributed on it.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff" as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

MISSOURI RIVER MAIN STEM RESERVOIRS

Annual Operating Plan
2000 - 2001

I. FOREWORD

This Annual Operating Plan (AOP) presents pertinent information and tentative plans for operating the Missouri River Main Stem Reservoir System (System) for the remainder of 2000 through December 2001 under widely varying water supply conditions. It provides a framework for the development of detailed monthly, weekly, and daily regulation schedules for the System's six individual dams during the upcoming year to serve the Congressionally authorized project purposes. Regulation is directed by the Missouri River Basin Water Management Division (formerly the Reservoir Control Center), Northwestern Division, U.S. Army Corps of Engineers (Corps). A map of the Missouri River basin is shown on ***Plate 1*** and the summary of engineering data for the six main stem reservoirs is shown on ***Plate 2***.

This plan may require adjustments when substantial departures from expected runoff occur. Results of a 5-year extension to the AOP studies (March 2002 to March 2007) are presented to serve as a guide for Western Area Power Administration's power marketing activities and those other interests that require information on reservoir conditions for long term planning.

The AOP studies described in the following paragraphs and shown at the end of this document have been updated from the Draft AOP studies to reflect actual conditions through late November and forecasted December 1, 2000 initial conditions. These updated studies serve as the basis for 2001 forecasts and for extensions through March 1, 2007.

Previous AOP's have used August 1 of the current year as the initial condition, but much lower runoff forecasts, low System storage, and two lawsuits pertaining to System operation rendered the Draft AOP regulation forecasts obsolete.

The first lawsuit, State of Kansas *v*. United States, filed in the United States District Court for the District of Kansas in Topeka, Kansas on September 25, 2000 resulted in a Temporary Restraining Order (TRO) and Preliminary Injunction (PI) that prevented the use of water stored in the Kansas River tributary dams for support of navigation on the lower Missouri River. Prior to the TRO, the Missouri River Basin Water Management Division had requested the Kansas City District to use water stored in Tuttle Creek, Milford, and Perry reservoirs to meet a 2,000 cubic feet per second (cfs) target on the Kansas River at Desoto, Kansas. This was 1,000 cfs above the minimum summertime water quality target. As a result of the TRO, the target flow on the Kansas River was reduced to 1,000 cfs, and additional releases were made from the main stem System to maintain the navigation flow targets. On a motion of the Plaintiff, the case has been dismissed and the PI vacated.

The second lawsuit, Standing Rock Sioux Tribe, et al *v.* U.S. Army Corps of Engineers, et al, pertained to the Lake Oahe elevation. The U.S. District Court in Aberdeen, South Dakota issued a Temporary Restraining Order (TRO) effective at 1800 hours on November 6, 2000 to maintain Lake Oahe at an elevation of 1597 feet above mean sea level (msl) with a variance not to exceed 6 inches downward to minimize impacts to exposed cultural and historical sites important to the Standing Rock Tribe. As a result, Oahe and Big Bend releases were immediately reduced and Garrison releases were increased to comply with the order. The effect on the main stem System was that releases from Oahe were drastically reduced and much higher flows were initiated from Garrison. The TRO was voluntarily modified and extended while settlement opportunities were pursued. A Joint Motion to Stay the Proceedings until January 22, 2001 was granted (later amended to January 23) by order dated November 28, 2000. That order provides that "Lake Oahe shall not be reduced below 1597 msl with not more than an eighteen (18) inch total variance downward. "

This AOP includes only the plan for future operation. Previous AOP's have included a System description and discussion of the typical operation to meet authorized purposes and a historic summary of the previous year's operation. Although not included in this AOP, they are available as separate reports upon request. To receive a copy of either the updated version of the "System Description and Operation" dated January 2000, or the "Summary of Actual 1999-2000 Operations," contact the Missouri River Basin Water Management Division at 12565 West Center Road, Omaha, Nebraska 68144-3869, phone (402) 697-2676. Both reports will be available at the "Reports and Publications" link on our web site at: **www.nwd-mr.usace.army.mil/rcc** in early 2001.

II. PURPOSE AND SCOPE

Beginning in 1953, projected System operation for the year ahead was developed annually as a basis for advance coordination with the various interested Federal, state, and local agencies and private citizens. Also beginning in 1953, a coordinating committee was organized to make recommendations on each upcoming year's System operation. The Coordinating Committee on Missouri River Main Stem Reservoir Operations held meetings semiannually until 1981 and provided recommendations to the Corps. In 1982 the committee was dissolved because it did not conform to the provisions of the Federal Advisory Committee Act. Since 1982, to continue providing a forum for public participation, one or more open public meetings are held semiannually in the spring and fall. The fall public meeting is conducted to take public input on a draft of the Annual Operating Plan, which is typically published in early October each year. The spring meetings are conducted to update the public on the current hydrologic conditions and projected System operation for the remainder of the year.

The spring public meetings were held in Jefferson City, Missouri, on April 12, 2000 and in South Sioux City, Nebraska, on April 13, 2000. The attendees were given an update regarding the outlook for 2000 runoff and projected operation for the remainder of 2000. Three fall public meetings on the Draft AOP were held on October 17, 2000 at Bismarck, North Dakota, October 18, 2000 at Fort Peck, Montana, and on October 19, 2000 at Kansas City, Missouri.

Pre-draft AOP coordination was conducted with the Missouri River Natural Resources Committee (MRNRC). Its recommendations for the 2000-2001 AOP are shown as Exhibits 1 and 2.

III. FUTURE WATER SUPPLY - AUGUST 2000 - DECEMBER 2001

The AOP forecast studies described in this document underwent a major revision between the draft and the final AOP. The Draft 2000-2001 AOP studies used August 1, 2000 as the initial condition and the appropriate water supplies to the reservoirs for the period August 2000 to December 2001 were estimated. The period August through February is normally one of relatively low and stable inflows and can be forecast with reasonable reliability. Therefore, a Basic Forecast (most likely for current runoff conditions) of monthly inflows to the river reaches above the six reservoirs and the river reach from Gavins Point to Sioux City was prepared for the period August 2000 to February 2001.

However, due to changed basin and reservoir conditions, and the previously described lawsuits pertaining to the use of Kansas River basin reservoirs for navigation support and the Lake Oahe pool elevation, forecast studies for the final AOP used a forecasted December 1, 2000 starting condition and the Basic Forecast was revised for the period December through February.

Forecasts of the Lower Quartile and Lower Decile using 80 percent and Upper Quartile and Upper Decile using 120 percent of the Basic Forecast are also used to give a range of monthly inflows leading up to March 1, 2001, the beginning of next year's runoff season. Inflows to the System after March 1, 2001, are dependent upon many hydrologic factors which are impossible to forecast at the time the AOP is prepared. Therefore, in lieu of utilizing forecasted inflows to the Missouri River above Sioux City for the period March 2001 to December 2001, inflows were based on analyses of the past water supply records extending from 1898 through 1997. Runoff conditions selected for use in the AOP were the Upper Decile with a runoff of 34.5 million acre-feet (MAF) having 1 chance in 10 of being exceeded, the Upper Quartile with a runoff of 30.6 MAF having 1 chance in 4 of being exceeded, and the Median (most likely) with a runoff of 24.6 MAF having 1 chance in 2 of being exceeded. The lower range of System inflows used for the analyses in the AOP, the Lower Quartile with a runoff of 19.5 MAF having 1 chance in 4 of occurrence of less runoff and the Lower Decile with a runoff of 15.5 MAF having 1 chance in 10 of occurrence of less runoff, completes the range of inflows into the System.

The range between the AOP forecasts for Lower Decile (15.5 MAF with a 90 percent exceedence) and the Upper Decile (34.5 MAF with a 10 percent exceedence) simulates 80 percent of the historic runoffs. There is still a 20 percent chance that a runoff condition may occur that has not been simulated; i.e., 10 percent chance a runoff event could be lower than the 15.5 MAF (Lower Decile) and a 10 percent chance a runoff event could be greater than the 34.5 MAF (Upper Decile).

The estimated natural flow 1/ at Sioux City, the corresponding post-1949 water use effects, and the net flow 2/ available above Sioux City are shown in ***Table I,*** where several water supply conditions are quantified for the periods December 2000, Calendar Year (CY) 2000, and CY 2001. The natural water supply for CY 2000 (actual January 2000 to November 2000 runoff plus Basic Forecast for December 2000) is estimated to total about 16.6 MAF.

TABLE I
NATURAL AND GROSS WATER SUPPLY AT SIOUX CITY

	Natural 1/	Post-1949 Depletions	Net 2/
		(Volumes in 1,000 Acre-Feet)	
December 2000 (Basic Forecast)			
Basic	700	+100	800
120% Basic	800	+200	1,000
80% Basic	600	+100	700
Calendar Year 2000 (January-November Actual; December Basic Forecast)			
Basic	16,600	-1,700	14,900
120% Basic	16,700	-1,800	14,900
80% Basic	16,500	-1,400	15,100
Calendar Year 2001 (Extended Forecast - Statistical Analysis of Past Records)			
Upper Decile	34,500	-2,400	32,100
Upper Quartile	30,600	-2,400	28,200
Median	24,600	-2,600	22,000
Lower Quartile	19,500	-2,600	16,900
Lower Decile	15,500	-2,200	13,300

1/ The word "natural" is used to designate flows adjusted to the 1949 level of basin development, except that regulation and evaporation effects of the Fort Peck Reservoir have also been eliminated during its period of operation prior to 1949. 2/ The word "net" represents the total streamflow after deduction of the post-1949 irrigation, upstream storage, and other use effects.

IV. ANNUAL OPERATING PLAN FOR 2000-2001

A. General. The anticipated operation described in this AOP is designed to meet the operational objectives documented in the current Missouri River Master Water Control Manual (Master Manual). Consideration has been given to all of the authorized project purposes including the needs of endangered species. It incorporates the lessons learned during the 6 consecutive years of drought of the late-1980's through 1992 as well as the high runoff period that followed. Runoff during the period 1993 to 1999 was greater than upper quartile level during 5 of those 7 years, including the record 49.0 MAF of runoff in 1997.

This 2000-2001 AOP, developed for all five runoff scenarios, follows the March 15 and July 1 water-in-storage (storage) checks contained in the current Master Manual used to determine navigation flow service level and navigation season length. The September 1 storage check that previously was used to determine winter multipurpose System releases was not used in the AOP studies. Rather, when forecasted System storage was below 57.1 MAF on March 1, winter releases were set at 12,000 cfs as an additional water conservation measure and to offset excess releases made for threatened and endangered species operation during the previous summer. Although a winter release rate of 12,000 cfs was used in the studies, releases will be adjusted as needed to assure adequate downstream water supply, including powerplants. An additional Lower Decile study that shortens the navigation season by 2 weeks is included. Adjusted regulations for fish spawning and endangered species nesting habitat have been adopted for the three scenarios of Median, Lower Quartile, and Lower Decile runoffs with no peaking cycle at Gavins Point Dam as was implemented to conserve water during the recent drought years. Intrasystem releases are adjusted to best serve the multiple-purpose functions of the projects with special emphasis placed on regulation for fisheries starting in early April and for endangered species beginning in early May and continuing through August.

A reanalysis of the average monthly Gavins Point releases needed to meet navigation service requirements was completed in 1999. The study used the Daily Long Range Study (DLRS) model for the period 1950 to 1996. As part of this study, the relationship between annual runoff upstream of Sioux City and the average Gavins Point release required for the navigation season was analyzed. The study concluded that generally more water was needed downstream to support navigation during years with below normal upper basin runoff than during years with higher upper basin runoff. Therefore, regulation studies since 1999 use two levels of System release requirements: one for Median, Upper Quartile, and Upper Decile runoff scenarios, and another for Lower Quartile and Lower Decile scenarios.

The updated release requirements for full service navigation used in the development of the 2000-2001 AOP are given in ***Table II***. Releases required for minimum service navigation support are 6,000 cfs less than the numbers provided in ***Table II***. A final report detailing the procedures used in this study is available on our web site.

In summary, the Upper Decile runoff scenario follows the Master Manual with much above normal runoff prompting release increases early in the year to evacuate floodwater from the reservoirs. Releases for Upper Decile and Upper Quartile runoff for 2001 are considerably lower than was shown in recent Annual Operating Plans since March 1 System storage based on the 120 Percent Forecast is expected to be 6.1 MAF less than the desired 57.1 MAF. The Median, Lower Quartile, and Lower Decile runoffs follow the March 15 and July 1 System storage checks contained in the Master Manual. Since System storage is less than 52 MAF on July 1, 2001 for Lower Decile runoff, an additional study shortens the navigation season by 2 weeks. The Median and above runoff forecasts also include releases that provide a steady to rising lake level in the upper three large reservoirs during the spring fish spawn period. Similar regulations have resulted in a higher fish reproduction success. Gavins Point releases will not be cycled to conserve water under any of the five studied runoff levels but may be necessary for flood control operations during the endangered species nesting period or should significant drought conditions return.

TABLE II
GAVINS POINT RELEASES NEEDED TO MEET
NAVIGATION REQUIREMENTS
1950 - 1996
(Discharges in 1,000 cfs)

Runoff Scenario	Month Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Average
Median, Upper Quartile, Upper Decile	26.7	28.0	27.9	31.6	33.2	32.6	32.0	31.1	30.4
Lower Quartile, Lower Decile	29.8	31.3	31.2	34.3	34.0	33.5	33.1	31.2	32.3

The lowest runoff scenario presented is Lower Decile. Runoff less than Lower Decile is possible, as was experienced in 1988 (12.4 MAF). One of the operational objectives of the current Master Manual is to provide for water supply requirements in the open Missouri River reaches between the reservoirs and below the System. Recent experience has shown that these water supply requirements are greater than was anticipated during the development of the guidelines documented in the current Master Manual. Also, operation to limit impacts to threatened and endangered species has resulted in higher releases during low runoff periods. Therefore, in order to meet the operational objectives of the current Master Manual, we would need to adjust the water conservation guidelines published in the Master Manual. These water conservation guidelines apply during drought periods and present criteria for season length, service level, minimum navigation season length, and nonnavigation season minimum releases. In order to meet the operational objectives of the current Master Manual, adjustments to drought water conservation guidelines would need to occur when total System storage is at or below 52 MAF on July 1. It is important to note that there are many possible combinations of potential adjustments that would result in attainment of the current Master Manual operational objectives.

This year's Lower Decile studies show a decline of total System storage below the 52 MAF level by July 1, 2001. Should significant drought conditions persist, (i.e., 52 MAF - July 1 level or less) the Missouri River Basin Association (MRBA), the MRNRC, and other interested parties would be consulted for adjustment recommendations that would best meet the operational objectives of the current Master Manual. We would facilitate discussion by providing studies that outline the effects of the various adjustment options to the aforementioned groups. If a general agreement on reasonable adjustments cannot be attained, we will determine which adjustments best meet the current Master Manual operational objectives.

Background information available for preparation of the 2000-2001 AOP includes 13 years of operation at Fort Peck Reservoir (1940) by itself plus 47 years of System experience as Fort Randall (1953), Garrison (1955), Gavins Point (1955), Oahe (1962), and Big Bend (1964)

have been brought progressively into operation. In addition to the long period of actual regulation experience, many background operational studies for the completed System are available for guidance.

Actual System operation from January through November 2000 and the operating plans for each project for the remainder of 2000 with the Basic Forecast and for CY 2001 using the five alternate levels of estimated runoff described on page 2 are presented on ***Plates 3 through 8***, inclusive. An exception is the omission of Big Bend, since storage at that project is relatively constant and average monthly releases are essentially the same as those at Oahe. These plates also show, on a condensed scale, actual operations during the period 1953 through 1999.

Plate 9 illustrates for Fort Peck, Garrison, Oahe, and Gavins Point Dams the actual reservoir releases (Regulated Flow) as well as the Missouri River flows (Unregulated Flow) that would have resulted if the reservoirs were not in place during the period January 1999 through July 2000. ***Plate 10*** presents past and forecasted gross monthly, average power generation, and gross peaking capability for the System.

B. Operation for the Balance of the 2000 Navigation Season. Gavins Point releases continued at 31,500 cubic feet per second (cfs) range until the endangered and threatened species left in late August. Releases were then adjusted as needed to provide 1,500 cfs less than full service support to navigation flows as computed by the July 1 System storage check. System storage was 57.0 MAF on July 1, 2000, substantially less than the 59.0 MAF minimum storage required to provide full service flows the remainder of the navigation season. A full 8-month navigation season was provided in 2000, but unlike the past 5 years, the navigation season was not extended since there was no excess storage to evacuate from the System.

The decline in System storage over the past year began with lack of significant runoff from a plains snowpack and continued with dismal runoff from the much below normal mountain snowpack (82 percent of normal) in combination with below normal rainfall. The total runoff for 2000 is expected to be below Lower Quartile, but there has been a great deal of variability in the way the runoff has occurred. January and February were 99 and 106 percent of normal, respectively. March dropped to 63 percent, and April was 59 percent of normal. The reduction during March and April was due to the lack of a significant plains snow cover, most of which melted during February and did not produce any significant runoff. The months of May, June, and July were well below average at 65, 60, and 65 percent of normal, respectively. Low runoff continued in the August through November period. The December 1 runoff forecast of 16.6 MAF is just 66 percent of normal. The closing dates for ending the 2000 navigation season were November 22 at Sioux City, November 24 at Omaha, November 25 at Nebraska City, November 27 at Kansas City, and December 1 at the mouth of the Missouri River near St. Louis.

Energy generation by the System powerplants for the period August 1 to December 1 was 3.2 billion kilowatt hours (kWh), 0.6 billion kWh below normal.

Fort Peck releases ranged from 4,500 to 9,000 cfs, for the remainder of the 2000 navigation season. Fort Peck Lake declined 4.0 feet from elevation 2232.0 feet msl to 2228.0

feet msl by the end of the navigation season, 6.9 feet lower than the 1967-1999 long term average.

Garrison releases ranged from 13,000 to 27,000 cfs through the remainder of the 2000 navigation season. Releases as high as 27,000 cfs were scheduled November 9-17 to prevent the lowering of Lake Oahe. The level of Lake Sakakawea declined steadily by 6.9 feet from elevation 1837.4 feet msl to 1830.5 feet msl by the end of the navigation season, 8.1 feet below the long term average.

Oahe releases were reduced from 34,000 cfs in August to 8,000 cfs in November to achieve the scheduled Fort Randall drawdown to elevation 1335.0 feet msl prior to the end of the navigation season. A low 8,000 cfs release was scheduled November 7-9 to meet the requirements of the TRO that prohibited the lowering of Lake Oahe below elevation 1597.7 feet msl, plus or minus 6 inches. Releases were adjusted to serve the variable power loads. Lake Oahe fell 7.1 feet from August through early November, from elevation 1604.8 to elevation 1597.7 feet msl. The lake level was maintained near 1597.7 feet msl during the remainder of November as required by the TRO and, at the close of the navigation season, was at 1597.3 feet msl, 4.7 feet lower than the long term average.

Big Bend releases paralleled those from Oahe. Lake Sharpe generally fluctuated between 1420.0 and 1421.0 feet msl for weekly cycling during high power load periods. Actual elevations ranged from 1418.4 feet msl to 1421.0 feet msl during the period August through November. The lake was lowered to near elevation 1418.5 feet msl September 8-13 to facilitate protection of a cultural resources site along the shores of Lake Sharpe. Reservoir fluctuations of a foot are scheduled during the course of most weeks in order to follow peaking power demands. Storage lost during the week is regained during the succeeding weekend period of lower power demands.

Fort Randall releases generally paralleled those from Gavins Point. Lake Francis Case lowered 4.2 feet in September, from elevation 1355.7 feet msl to elevation 1351.5 feet msl. The fall drawdown of Lake Francis Case, originally planned to reach 1337.5 feet msl at the end of November, was accelerated to lower the pool to near 1335 feet msl by October 25. This allowed the Omaha District to attempt to locate remains at St. Phillips Cemetery in the White Swan area. Lake Francis Case was further lowered to elevation 1332.6 feet msl to supply navigation flows as Oahe releases were reduced in November to comply with the TRO. The drawdown will provide sufficient capacity to store a reasonable level of power releases from Oahe and Big Bend during the coming winter season.

Gavins Point releases ranged from 29,000 to 34,500 cfs during the remainder of the navigation season. Lewis and Clark Lake rose about 1 foot from elevation 1205.8 to near elevation 1207.0 feet msl during the remainder of the 2000 navigation season that ended December 1. The lake level will be maintained near 1207.0 feet msl through the winter.

C. Operating Plan for the Winter of 2000-2001. Winter releases from the System are normally based on the amount of water in storage on September 1 in accordance with guidelines

presented in the Master Manual. A System storage level of 58.0 MAF or above on September 1 indicates a full service release rate for the following winter. A System storage of 43.0 MAF indicates minimum service releases. Full and minimum service releases call for an average winter Fort Randall release of 15,000 and 5,000 cfs, respectively. Following the criteria in the current Master Manual, the Fort Randall 2000-2001 winter release rate would be near 12,500 cfs based on the September 1, 2000 System storage of 54.3 MAF. However, due to the low System storage, Gavins Point releases were set at 12,000 cfs as a water conservation measure and to offset the increased releases required for the endangered species nesting requirements. Sustained winter release rates above this amount are not anticipated since System storage is forecast to be 6.8 MAF below the desired 57.1 MAF on March 1, 2001. However, it may be necessary at times to increase System releases to provide adequate downstream flows if ice jams or blockages form which temporarily restrict flows. These events are expected to occur infrequently and be of short duration based on past experiences.

For the winter period from the close of the 2000 navigation season on December 1, 2000 until the opening of the 2001 navigation season on April 1, 2001 operations are expected to be as follows:

Fort Peck releases are expected to be near 10,000 cfs before the beginning of the winter period to prevent ice-jam flooding during the winter freeze-in period on the reach of the Missouri River from the dam to the Williston, North Dakota area. Releases will then be increased only slightly to 11,000 cfs for the remainder of the winter period to meet critical winter hydropower demands. Fort Peck Lake with the Basic Forecast is expected to fall steadily by 4.0 feet to elevation 2224.0 by March 1, the beginning of next year's runoff season. The lake would then rise to near elevation 2225.1 feet msl by March 31, which would be nearly 8.0 feet below normal.

Garrison winter releases are lower than the draft AOP forecasts as a result of the Temporary Restraining Order at Lake Oahe. Water stored in Lake Sakakawea that normally would have been transferred to Lake Oahe during the winter was moved to Lake Oahe in November to meet the requirements of the TRO. Releases will average only 17,500 cfs from December through February to balance the upper three reservoirs by March 1. Releases are normally scheduled near 20,000 cfs in December with reductions to 18,000 cfs during the freeze-in in the Bismarck area in an attempt to remain below a 13-foot stage at the Bismarck gage. Flood stage is 16 feet. Lake Sakakawea is expected to lower from near elevation 1830.9 feet msl to elevation 1829.3 feet msl by March 1, 8.2 feet below the base of the annual flood control storage zone. The Median forecast indicates the lake will rise to elevation 1830.0 by March 31, which would be 5.8 feet below normal.

Oahe releases for the winter season will provide backup for the Fort Randall and Gavins Point releases plus fill the recapture space available at Fort Randall consistent with anticipated winter power loads. Monthly average releases may vary substantially with fluctuations in power loads occasioned by weather conditions but, in general, are expected to average between 11,000 and 17,000 cfs. Daily releases will vary widely to best meet power loads. Peak hourly releases as well as daily energy generation will be constrained to prevent urban flooding in the Pierre and

Fort Pierre areas if severe ice problems develop downstream of Oahe Dam. This potential reduction has been coordinated with the Western Area Power Administration.

The Lake Oahe level is expected to gradually rise from elevation 1597.3 feet msl at the end of the 2000 navigation season to elevation 1599.1 by March 1, with a further rise to elevation 1601.7 feet msl by the end of March, 5.0 feet below normal.

Lake Sharpe at Big Bend will be maintained in the normal 1420.0 to 1421.0 feet msl range during the winter.

Fort Randall releases will average 9,000 to 10,000 cfs. Lake Francis Case is expected to rise from a low of about 1335.0 feet msl at the end of the 2000 navigation season to near elevation 1350.0, the seasonal base of flood control, by March 1. However, if the plains snowpack flood potential downstream of Oahe is quite low at that time, measures will be taken to raise Lake Francis Case to near elevation 1353.0 by March 1. It is likely that a Lake Francis Case level above elevation 1353 feet msl, to as high as 1355.2, will be reached by the end of the winter period on March 31 if runoff conditions permit. The level of Lake Francis Case above the White River delta near Chamberlain, South Dakota will likely remain at a higher elevation than the lake below the delta from late October through December, due to the damming effect of this delta area.

Gavins Point releases were gradually reduced beginning the last week of November to near a winter level of 12,000 cfs. It is anticipated, although not modeled, that releases may have to be increased during periods of freeze-in to maintain water levels necessary for downstream water intakes. Lewis and Clark Lake will generally be near elevation 1207 feet msl until late February when it will be lowered to elevation 1206 feet msl for controlling spring floods, primarily from the Niobrara River and Ponca Creek along the Fort Randall to Gavins Point reach.

System storage for all five runoff conditions will be substantially below the base of the annual flood control zone by March 1, 2001, the beginning of next year's runoff season.

D. Operations During the 2001 Navigation Season. The Upper Decile, Upper Quartile, Median, and Lower Quartile runoff scenarios studied for this year's AOP follow the guidelines presented in the Master Manual for navigation service flow support and season length. Two Lower Decile studies are included, one with an 8-month navigation season as called for in the Master Manual and an additional study that has a 2-week shortening since the July 1 System storage is less than 52.0 MAF. Steady System releases or repetitive daily project patterns will be held from early May, at the beginning of the endangered species nesting season, to the end of the nesting in late August. All runoff scenarios except Lower Quartile and Lower Decile would provide rising pool levels in the spring fish spawn period.

All five runoff scenarios studied for this year's AOP are based on gradually increasing System releases to provide navigation season flow rates at the mouth of the Missouri near St. Louis by April 1, 2001, the normal navigation season opening date. The corresponding dates at upstream locations are: Sioux City, Iowa, March 23; Omaha, Nebraska, March 25; Nebraska

City, Nebraska, March 26; and Kansas City, Missouri, March 28. The studies illustrated on ***Plates 3 through 8*** and summarized in ***Table III*** are based on providing greater than full service flows and a full 8-month season extended by 10 days as a reservoir flood storage evacuation measure for the Upper Decile runoff scenario. Releases for Upper Quartile runoff are 1,600 cfs below full service in the spring, increasing to near full service during the summer and fall with an 8-month navigation season. The normal runoff scenario characterized by the Median study indicates 2,300 cfs less than full service flows for a full 8-month navigation season. Lower Quartile has a 3,000 cfs spring and 4,500 cfs summer and fall reduction below full service flows with an 8-month season. Both Lower Decile studies have releases 3,100 cfs below full service in the spring and 5,900 cfs below full service in the summer and fall.

TABLE III
NAVIGATION SERVICE SUPPORT
FOR THE 2001 SEASON

	Runoff Scenario (MAF)	2001 System Storage March 15 (MAF)	2001 System Storage July 1 (MAF)	Flow Level Above or Below Full Service (in cfs) Spring	Flow Level Above or Below Full Service (in cfs) Summer/Fall	Length of Season (Months)
U.D.	34.5	52.4	60.0	+4,300	+ 3,500	8 + 10 days
U.Q.	30.6	52.2	58.8	-1,600	-100	8
Med	24.6	51.2	55.7	-2,300	-2,300	8
L.Q.	19.5	50.3	52.6	-3,000	-4,500	8
L.D.	15.5	50.2	50.7	-3,100	-5,900	8 or 7.5

Navigation flow support for the 2001 season will be determined by actual reservoir System storage on March 15 and July 1 following the Master Manual guidelines. Gavins Point releases may be quite variable during the 2001 navigation season but, for Median, Lower Quartile, and Lower Decile, are expected to range from 24,400 to 30,900 cfs. For Upper Quartile, releases range from 25,100 to 33,100 cfs; for the Upper Decile, Gavins Point releases would range from a minimum 31,000 cfs to a maximum 35,000 cfs. Release reductions necessary to minimize downstream flooding are not reflected in these monthly averages but will be instituted as conditions warrant.

Planned storages and releases for the System and individual reservoirs within the System are shown on ***Plates 3 through 8***. Ample regulatory storage space exists in the System to control flood inflows under all conditions studied. ***Table III*** summarizes the navigation service support projected for the 2001 navigation season.

Two reservoir operations that have not been a part of previous Annual Operating Plans are included for 2001 in the Upper Decile, Upper Quartile, and Median forecasts. An endangered species flow modification "mini-test" will be conducted at Fort Peck beginning in early June to monitor effects of higher spring releases and warmer water released from the spillway. It will also allow for an evaluation of the integrity of the spillway structure given the potential for increased frequency of use. Streambank erosion and fishing impacts will also be monitored.

During the Fort Peck "mini-test," which will last about 4 weeks, flows will vary from 8,000 to 15,000 cfs as various combinations of spillway and powerplant releases are monitored. The maximum spillway release of 11,000 cfs will combine with a minimum powerplant release of 4,000 cfs for 6 days. This operation is reflected in the June releases shown for Fort Peck for Upper Decile, Upper Quartile, and Median runoff, but will be timed to avoid lowering the lake during the forage fish spawn. The "mini-test" will not be conducted if sufficient flows will not pass over the spillway crest (elevation 2225 feet msl). A minimum lake elevation of about 2229 feet msl is needed during the test to avoid unstable flows over the spillway. This elevation cannot be achieved in 2001 for Lower Quartile and Lower Decile flows. A more extensive test with a combined 20,000 to 30,000 cfs release from Fort Peck is scheduled to be conducted beginning in early June 2002 to determine if warm water releases will benefit the native river fishery. Peak outflows during the 2002 test would be maintained for 2 weeks within the 4-week test period. Any permanent change to the Fort Peck operation to enhance flows for endangered species will be considered as part of the Master Manual Review and Update.

The other reservoir operation involves unbalancing the three large upper reservoirs to benefit reservoir fishery and the endangered interior least tern and threatened piping plover. ***Table IV*** indicates the reservoirs will be balanced on March 1, 2001, but 1 year later, on March 1, 2002, Fort Peck will be high, Garrison low, and Oahe allowed to float (normal operation) should Median or greater runoff occur. This unbalancing is computed based on the percent of the carryover multiple purpose pool that remains in Fort Peck Lake, Lake Sakakawea, and Lake Oahe. In terms of elevations, Fort Peck would be 4.0 feet high, Garrison would be 3.0 feet low, and Oahe would be balanced on March 1, 2002, for Upper Decile and Upper Quartile. Since Median runoff does not refill the reservoirs in 2001, Fort Peck would be only 1.5 feet high and Garrison would be 1.0 foot low. This would permit the Fort Peck "spring rise" test of 20,000 to 30,000 cfs in the spring of 2002, as described in the previous paragraph. The unbalancing would alternate at each project; high one year, float (normal operation) the next year, and low the third year as shown on ***Table IV***. Table V shows the lake elevations proposed by the MRNRC at which the unbalancing would be terminated. ***Table V*** indicates that no reservoir unbalancing should occur for any of the five runoff conditions in 2001 since Fort Peck Lake is below elevation 2227 feet msl on March 1, 2001. However, it is important to implement unbalancing to benefit endangered species should Median or greater runoff occur. No reservoir unbalancing is shown for the Lower Quartile and Lower Decile studies.

TABLE IV
RESERVOIR UNBALANCING SCHEDULE

	Fort Peck		Garrison		Oahe	
Year	***March 1***	***Rest of Year***	***March 1***	***Rest of Year***	***March 1***	***Rest of year***
2001	Balance	High	Balance	Low	Balance	Float
2002	High	Float	Low	Hold peak	Raise & hold during spawn	Float
2003	Raise & hold during spawn	Float	High	Float	Low	Hold peak
2004	Low	Hold peak	Raise & hold during spawn	Float	High	Float

Notes:

Float year: Normal operation, then unbalance 1 foot during low pool years or 3 feet when System storage is near 57.1 MAF on March 1.

Low year: Begin low, then hold peak the remainder of the year.

High year: Begin high, raise and hold pool during spawn, then float.

TABLE V
MRNRC RECOMMENDED
RESERVOIR ELEVATION GUIDELINES
FOR UNBALANCING

	Fort Peck	Garrison	Oahe
Implement unbalancing if March 1 reservoir elevation is above this level.	2234 feet msl	1837.5 feet msl	1607.5 feet msl
Implement unbalancing if March 1 reservoir elevation is in this range **and** the pool is expected to raise more than 3 feet after March 1.	2227-2234 feet msl	1827-1837.5 feet msl	1600-1607.5 feet msl
Scheduling Criteria	Avoid lake level decline during spawn period which ranges from April 15 – May 30.	Schedule after spawn period of April 20 – May 20.	Schedule after spawn period of April 8 – May 15.

Summary of Reservoir Regulation Activities for Endangered Species and Fish Propagation Enhancement

As discussed in the section above, the 2000-2001 AOP includes provisions for unbalancing the Fort Peck, Garrison, and Oahe reservoirs for Median and greater runoff scenarios. The unbalancing is intended to benefit the reservoir fisheries in the long term by ensuring a periodic rise in reservoir elevation sufficient to provide good spawning conditions and inundating vegetation, thereby increasing young-of-the-year fish survival. Unbalancing is also intended to benefit interior least tern and piping plover production in the long term by maintaining and exposing sandbar and shoreline habitat.

Fort Peck will have a 2,500 cfs reduction in flows during the tern and plover nesting season for Upper Decile runoff and a 4,000 cfs reduction for Upper Quartile and Median runoff conditions. The resulting stage difference will provide excellent nesting habitat. For Lower Quartile and Lower Decile runoff scenarios, no difference in flows is anticipated during the nesting season, but the releases are low enough that good habitat should be available.

If flood flows enter the Missouri River below the project during the nesting season, hourly releases will be lowered to no less than 3,000 cfs in order to keep traditional riverine fish rearing areas continuously inundated while helping to lower river stages at downstream nesting sites. April releases should be adequate for trout spawning below the project. A rising pool in the April-to-May sport fish spawning season will be dependent upon the ever changing daily inflow pattern to the reservoir but appears possible with all AOP plans.

Garrison will have a reduction in flows during the tern and plover nesting season under all runoff scenarios. For Median and above runoff, the reductions will be approximately 2,000 cfs. For Lower Quartile and Lower Decile, the reductions will be in the 500-1,000 cfs range. Hourly peaking will be limited to no more than 30,000 cfs for 6 hours if the daily average release is lower than 28,000 cfs. This will limit peak stages below the project for nesting birds.

Except for the Upper Quartile and Upper Decile runoff conditions, Lake Sakakawea elevations will not reach levels considered necessary for optimum fish spawning during the month of May. In addition to the runoff conditions, the actual timing of the rise in lake elevation will be dependent upon the pattern of inflow at that time.

Oahe releases in the spring and summer will back up those from Gavins Point. If flows into the System are Median or greater, Oahe's elevation in the spring will likely be steady or rising. Under all AOP plans, the Oahe pool will fall during the summer.

Fort Randall will be operated to provide for a pool elevation near 1355 during the fish spawn period and the lake will not be drawn down below elevation 1337.5 feet msl in the fall for water intakes. Hourly releases from Fort Randall, during the 2001 nesting season will be limited to 37,000 cfs. Daily average flows may be increased every third day to preserve the capability of increasing releases later in the summer if conditions turn dry.

Gavins Point releases will be set in May when terns and plovers begin to initiate nesting. The release rate will be based on an assessment of flows needed to support navigation in July and August. The resulting steady release prevents inundation of nests and chicks due to navigation support flows. Flows during the nesting season will be near or below what they were this past nesting season for all runoff conditions. The excellent habitat conditions should result in very good tern and plover production. Cycling releases every third day is not planned during the 2001 nesting season except during downstream flood control operations.

The Gavins Point pool will be operated near 1206 feet msl in the spring and early summer with variations day to day due to rainfall runoff. Greater fluctuations occur in the river, increasing the risk of nest inundation in the upper end of the Gavins Point pool. Several factors contribute to the increased risk of nest inundation in the upper end of the Gavins Point pool. First, because there are greater numbers of endangered species nesting below the Gavins Point project which must be preserved, Gavins Point releases are restricted during the nesting season. Second, unexpected rainfall runoff between Fort Randall and Gavins Point can result in sudden pool rises because the Gavins Point project has a smaller storage capacity than the other System reservoirs. Third, the operation of Gavins Point for downstream flood control may necessitate sudden release reductions to prevent downstream bird losses. And finally, high releases required in wet years make nest inundation more likely. When combined, all these factors make it difficult and sometimes impossible to prevent inundation of nests in the upper end of Lewis and Clark Lake. The pool will be increased to elevation 1207.0 feet msl following the nesting season.

Summary of Habitat Activities

The Biological Opinion on the ongoing operations of the System was completed on November 30, 2000. A draft implementation plan, which includes actions to meet endangered species needs, is located on Missouri River Region web page.

V. SUMMARY OF RESULTS EXPECTED IN 2000-2001

With System operations in accordance with the 2000-2001 AOP outlined in the preceding pages, the following results can be expected.

A. Flood Control. All runoff scenarios studied will begin next year's runoff season on March 1, 2001 substantially below the desired 57.1 MAF base of annual flood control and multiple use zone. Therefore, the entire System flood control zone plus an additional 6.1 to 7.4 MAF of the carryover multiple use zone will be available to store runoff. The System will be available to significantly reduce peak discharges for all floods that may originate above the System.

Remaining storage in the carryover multiple use zone will be adequate to provide support for all of the other multiple purposes of the System, although recreation access may be difficult at some locations for the lower runoff scenarios.

B. Water Supply and Water Quality Control. Although below normal winter releases are being provided for all five runoff scenarios, all water supply and water quality requirements on the Missouri River both below Gavins Point Dam and between main stem reservoirs should be met for all flow conditions studied. It is possible with the low winter releases that ice formation or ice jams may temporarily reduce river stages to levels below which some intakes can draw water. Therefore, during severe cold spells it may be necessary to increase Gavins Point releases as was required during the recent drought years to help alleviate water supply problems.

C. Irrigation. Scheduled releases from the System reservoirs will be ample to meet the volumes of flow required for irrigation diversions from the Missouri River. Some access problems may be experienced, however, if drought conditions persist. Tributary irrigation water usage is fully accounted for in the estimates of water supply.

D. Navigation. Service to navigation in 2001 would be scheduled above full service flow support for the Upper Decile runoff scenario. Navigation support for Upper Quartile runoff will be 1,600 cfs under full service in the spring and near full service the remainder of the season. The three studies of Median, Lower Quartile, and Lower Decile have reductions below full service as shown in ***Table III***. Although these studies provide a comparison of typical flow support under varying runoff conditions that cover 80 percent of the historic runoff conditions, the actual rate of flow support for the 2001 navigation season will be based on actual System storage on March 15 and July 1, 2001.

In addition to greater than full service flow, the Upper Decile condition has an 8-month navigation season with a 10-day extension. Upper Quartile, Median and Lower Quartile runoffs have an 8-month navigation season. Should Lower Decile runoff occur with System storage forecast to be less than 52 MAF on July 1, 2001, meetings will be conducted with navigators, MRBA, the MRNRC, and other interested parties to determine if the navigation season will be shortened. The anticipated service level and season length for all runoff conditions studied are shown in ***Table III***.

E. Power. ***Tables VI*** and ***VII*** give the estimated monthly System load requirements and hydropower supply of the Eastern Division, Pick-Sloan Missouri Basin Program (P-S MBP), from December 2000 through December 2001. Estimates of monthly peak demands and energy include customer requirements for firm, short-term firm, summer firm, peaking, and various other types of power sales, System losses, and the effects of diversity. Also included in the estimated requirements are deliveries of power to the Western Division, P-S MBP, to help meet its firm power commitments.

F. Recreation, Fish and Wildlife. The basic operations of the System will continue to provide recreation and fish and wildlife opportunities in the project areas and along the Missouri River as well as other benefits of a controlled river. Special operational adjustments incorporating specific objectives for these purposes will be accomplished whenever possible. Conditions should be favorable for the many visitors who enjoy the camping, boating, fishing, hunting, swimming, picnicking, and other recreational activities associated with the System reservoirs and for increasing usage of the regulated reaches of the Missouri River downstream of the reservoirs.

TABLE VI
PEAKING CAPABILITY AND SALES
(1,000 kW at plant)

2000	Estimated Committed Sales*	Expected C of E Capability					Expected Bureau Capability**					Expected Total System Capability				
		120%	Basic	80%			120%	Basic	80%			120%	Basic	80%		
Aug																
Sep																
Oct																
Nov																
Dec	1819	2127	2125	2122			196	195	190			2323	2320	2312		
2001																
Jan	2228	2151	2145	2141			191	194	187			2342	2339	2328		
Feb	1925	2159	2150	2144			187	194	185			2346	2344	2329		
		U.D.	U.Q.	Med.	L.Q.	L.D. ***	U.D.	U.Q.	Med.	L.Q.	L.D.	U.D.	U.Q.	Med	L.Q.	L.D.
Mar	1725	2228	2223	2206	2188	2185	188	188	194	185	185	2416	2411	2400	2373	2370
Apr	1494	2243	2239	2212	2186	2180	190	190	192	187	187	2433	2429	2404	2373	2367
May	1384	2260	2252	2219	2185	2174	189	189	195	193	193	2449	2441	2414	2378	2367
Jun	1706	2286	2280	2244	2204	2181	204	204	203	198	198	2490	2484	2447	2402	2379
Jul	2283	2305	2288	2245	2200	2171	204	204	204	198	197	2509	2492	2449	2398	2368
Aug	2124	2299	2279	2230	2183	2152	202	203	202	197	196	2501	2482	2432	2380	2348
Sep	1525	2293	2270	2219	2168	2136	203	202	202	198	196	2496	2472	2421	2366	2332
Oct	1452	2276	2251	2197	2144	2087	202	202	202	199	197	2478	2453	2399	2343	2284
Nov	1763	2235	2215	2160	2106	2082	200	201	201	198	196	2435	2416	2361	2304	2278
Dec	1943	2211	2199	2147	2090	2060	195	196	198	196	193	2406	2395	2345	2286	2253

* Estimated sales, including system reserves. Power in addition to hydro production needed for these load requirements wil be obtained from other power systems by interchange or purchase.
** Total output of Canyon Ferry and 1/2 of the output of Yellowtail powerplant.
*** Lower decile values based on navigation season shortened at 40 MAF on July 1.

TABLE VII
ENERGY GENERATION AND SALES
(Million kWh at plant)

2000	Estimated Committed Sales*	Expected C of E Generation					Expected Bureau Generation **					Expected Total System Generation				
		120%	Basic	80%			120%	Basic	80%			120%	Basic	80%		
Aug																
Sep																
Oct																
Nov																
Dec	906	555	556	552			76	53	45			631	609	597		
2001																
Jan	903	559	556	552			74	53	45			633	609	597		
Feb	847	442	442	439			65	47	40			507	489	479		
		U.D.	U.Q.	Med.	L.Q.	L.D. ***	U.D.	U.Q.	Med.	L.Q.	L.D.	U.D.	U.Q.	Med	L.Q.	L.D.
Mar	791	620	589	552	582	588	73	73	67	44	44	693	662	619	626	632
Apr	737	792	680	667	737	706	70	70	60	36	36	862	750	727	773	742
May	682	942	852	816	840	814	104	104	85	41	41	1046	956	901	881	855
Jun	738	1029	950	897	828	785	133	133	96	43	43	1162	1083	993	871	828
Jul	812	1046	1000	941	907	860	151	130	88	51	50	1197	1130	1029	958	910
Aug	831	1075	1011	934	897	854	100	92	78	51	50	1175	1103	1012	948	904
Sep	714	947	833	789	754	716	93	88	75	49	48	1040	921	864	803	764
Oct	716	810	702	649	628	586	93	88	78	56	55	903	790	727	684	641
Nov	778	798	647	602	571	532	90	89	79	58	52	888	736	681	629	584
Dec	911	854	684	592	582	557	91	91	56	59	53	945	775	648	641	610
CY TOT	9460	9914	8949	8437	8317	7989	1137	1097	862	573	557	11051	10046	9299	8890	8546

* Estimated sales including system reserves and losses. Power in addition to hydro production needed for these load requirements will be obtained from other systems by interchange or purchase.
** Total output Canyon Ferry and 1/2 output of Yellowtail powerplant.
*** Lower decile values based on navigation season shortened at 40 MAF on July 1.

Boat ramps that were lowered and low water ramps that were constructed during the drought of the late 1980's to early 1990's should be adequate to provide lake access next year even under the Lower Decile runoff scenario. However, boat ramps in a few areas where the ramps could not be extended may become unusable. This will affect the normal use patterns as visitors will have to seek out areas with usable boat ramps.

The effects of the planned System operation during 2000-2001 on fish and wildlife are included in the section entitled, "Summary of Reservoir Regulation Activities for Endangered Species and Fish Propagation Enhancement."

G. System Storage. If presently anticipated runoff estimates based upon normal precipitation materialize, System storage will total about 49.9 MAF by the close of CY 2000. This year-end storage would be 7.6 MAF less than the 57.5 MAF experienced on December 31, 1999, and 5.8 MAF less than the 1967 to 1999 average. Since the System first filled to normal operating levels in 1967, the lowest end-of-December storage was 40.9 MAF in 1990. The previous lowest storage prior to the recent 6 consecutive years of drought was 50.9 MAF in 1981. The end-of-year storages have ranged from a maximum of 60.9 MAF, which occurred in 1975, to the 1990 minimum of 40.9 MAF. Under the five runoff conditions of inflow analyzed for this AOP, the total System storage at the end of next year on December 31, 2001, would be approximately as shown on ***Table VIII***.

TABLE VIII
ANTICIPATED DECEMBER 31, 2001 STORAGE IN MAIN STEM SYSTEM

Water Supply Condition	Total (12/31/01)	Above Minimum Pools 1/	Unfilled Carryover Storage 2/	Total Change CY 2001
		(Volumes in 1,000 Acre-Feet)		
Upper Decile	57,600	39,500	0	7,400
Upper Quartile	56,800	38,700	300	6,600
Median	52,100	34,000	5,000	2,200
Lower Quartile	47,300	29,200	9,800	- 2,400
Lower Decile 3/	44,800	26,700	12,300	-4,900
Lower Decile 4/	45,300	27,200	11,800	-4,400

1/ Net usable storage above 18.1 million-acre-foot System minimum pool level established for power, recreation, irrigation diversions, and other purposes.
2/ System base of flood control zone containing 57.1 million acre-feet.
3/ No shortening.
4/ With 2-week shortening

H. Summary of Water Use by Functions. Anticipated water use in CY 2000, under the plan of operation with the Basic Forecast of water supply, is shown in ***Table IX***. Actual water use data for CY 1999 are included for information and comparison.

Under the planned operations, estimated water use in CY 2001, which will be subject to reappraisal next year, also is shown in ***Table IX*** for the various levels of water supply.

VI. TENTATIVE PROJECTION OF OPERATIONS THROUGH MARCH 2007

The 5-year extension to the Annual Operating Plan (March 2002 to March 2007) has been prepared to serve as a guide for Western Area Power Administration's power marketing activities. As discussed in Section IV, Chapter A, adjustments to the drought water conservation guidelines are necessary to continue to meet the operational objectives of the current Master Manual during drought periods. This is due to increased release requirements for water supply and endangered species during low runoff periods. The specific details of these adjustments are not certain, absent the completion of review of possible options by the MRBA, the MRNRC, and any other interested parties. However, for planning purposes, we have included projections that utilize two different sets of drought water conservation guidelines in the 5-year extension studies.

The first set of projections presented uses drought water conservation guidelines that call for a 2-week shortening of the navigation season length if System storage falls to 52 MAF by July 1 of any year, and progressive shortening up to 4 weeks at 44 MAF on any July 1. These studies utilize the service level guidelines published in the current Master Manual which call for full service flows if System storage is 54.5 MAF or more on March 15, or 59 MAF or more on July 1 of any year. They also call for minimum service flows if System storage falls to 46 MAF by March 15, or 50.5 MAF by July 1 of any year.

The second set of results presented uses drought water conservation guidelines identical to those published in the current Master Manual. These guidelines call for a 1-week shortening of the navigation season if System storage falls to 40 MAF by any July 1, and would result in a progressive shortening up to 10 weeks at 25 MAF or less on any July 1. This set of guidelines calls for full service flows if System storage is 54.5 MAF or more on March 15, or 59 MAF or more on July 1 of any year. It also calls for minimum service flows if System storage falls to 46 MAF by March 15, or 50.5 MAF by July 1 of any year.

Only one set of Median results is presented since System storage would not fall below the drought water conservation trigger points under either set of guidelines during the study period. For all scenarios, from mid-May through July, Gavins Point releases are set to the anticipated August release required to meet downstream flow targets, to minimize inundation of interior least tern and piping plover nests.

TABLE IX
MISSOURI RIVER MAIN STEM
WATER USE FOR CALENDAR YEARS 1999, 2000, AND 2001 ABOVE SIOUX CITY, IOWA
in Million Acre-Feet (MAF)

		CY 1999 Actual	CY 2000 Basic Forecast	Forecast for Calendar Year 2001 Upper Decile	Upper Quartile	Median	Lower Quartile	Lower Decile(7)	Lower Decile(8)
Upstream Depletions	(1)								
Irrigation, Tributary Reservoir Evaporation & Other Uses		1.8	1.9						
Tributary Reservoir Storage Change		- 0.1	- 0.4						
Total Upstream Depletions		1.7	1.5	2.4	2.4	2.5	2.5	2.1	2.0
Main Stem Reservoir Evaporation	(2)	2.2	1.9	1.2	1.3	1.7	1.9	1.8	1.8
Sioux City Flows									
Navigation Season									
Unregulated Flood Inflows Between Gavins Point & Sioux City	(3)	0.0	0.0						
Navigation Service Requirement	15.0	16.0	17.6	16.5	14.9	14.3	13.6	13.0	
Supplementary Releases									
Endangered Species	(4)	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0
Flood Evacuation	(5)	6.4	0.0	1.9	0.3	0.0	0.0	0.0	0.0
Nonnavigation Season									
Flows		4.2	3.5	3.5	3.6	3.3	3.2	3.0	3.1
Flood Evacuation Releases	(6)	2.2	0.5	0.5	0.0	0.0	0.0	0.0	0.0
Main Stem System Storage Change		- 0.5	- 7.6	7.4	6.5	2.2	- 2.4	-5.0	-4.4
Total		31.2	16.6	34.5	30.6	24.6	19.5	15.5	15.5
Project Releases									
Fort Peck		6.0	5.7	6.3	5.8	5.8	5.6	5.5	5.4
Garrison		17.7	14.9	17.4	15.7	14.2	13.7	13.0	12.7
Oahe		19.9	18.9	17.3	15.6	15.2	15.6	15.2	14.7
Big Bend		20.2	17.9	17.3	15.5	15.1	15.5	15.1	14.6
Fort Randall		21.6	17.8	18.6	16.6	15.8	15.8	15.2	14.8
Gavins Point		24.8	19.8	20.6	18.3	17.1	16.9	16.3	15.8

(1) Tributary uses, above the 1949 level of development including agricultural depletions and tributary storage effects.
(2) Net Evaporation is shown for 2001.
(3) Incremental inflows to reach which exceed those usable in support of navigation at the target level, even if Gavins Point releases were held to as low as 6,000 cfs.
(4) Increased releases required to maintain navigation release flexibility during the endangered species nesting season.
(5) Includes flood control releases for flood control storage evacuation and releases used to extend the navigation season beyond the normal December 1 closing date at the mouth of the Missouri River.
(6) Releases for flood control storage evacuation in excess of a 15,000 cfs Fort Randall release.
(7) Navigation season shortened at 40 MAF on July 1.
(8) Navigation season shortened at 52 MAF on July 1.

A. Median Runoff. System storage would begin in March 2002 at 52.5 MAF and would rise to 57.1 MAF by March 2007. The September 1 storage check provided for in the current Master Manual, which sets the Fort Randall winter release, is not followed, resulting in annual increases in System storage of up to 1 MAF. The additional conservation measure of providing
minimum winter releases unless the System storage is forecast to return to normal is utilized. Therefore, water conservation during the winter period is followed. Winter releases are 12,000 cfs except 2006-2007 when System storage has refilled. Fort Peck Lake, Lake Sakakawea, and Lake Oahe were unbalanced each March 1 as shown on ***Table X***. This follows the pattern of "high," "float," "low" described in ***Table IV***. The amount of unbalancing was increased each year as System storage refilled to 57.1 MAF on March 1, 2007. Fort Peck releases were set at 18,800 cfs in June 2002, reflecting a 25,000 cfs "spring rise" for 2 weeks, most of which would be discharged through the spillway. This release is also shown 3 years later in June 2005. An 8-month navigation season and full service flows are provided through 2006.

TABLE X
MARCH 1 RESERVOIR UNBALANCING, AOP EXTENSIONS

Year	Fort Peck	Garrison	Oahe
2003	0.0 feet	+ 1.0 feet	- 1.0 feet
2004	- 2.2	0.0	+ 1.5
2005	+ 1.8	- 2.0	+ .7
2006	0.0	+ 3.0	- 3.1
2007	- 4.7	0.0	+ 3.0

B. Lower Quartile Runoff – Navigation Season Shortened at 52 MAF on July 1. System storage begins the period at 47.2 MAF and rises to 49.1 MAF by March 2007 due primarily to reduced winter releases. A 12,000 cfs winter release is shown for the entire study period. Navigation service levels are reduced from 3,600 cfs to 5,500 cfs below full service. Navigation season length is 7.5 months in 2002 and 2003, and 8 months from 2004 through 2006 as System storage recovers. Since the upper three reservoirs do not refill under Lower Quartile and Lower Decile runoff, their percent of remaining carryover multiple use storage is balanced each March 1.

C. Lower Quartile Runoff – Navigation Season Shortened at 40 MAF on July 1. System storage rises slightly, from 47.2 MAF in March 2002 to 48.8 MAF in March 2007, and navigation service levels are reduced from 3,800 cfs to 5,500 cfs with no season shortening. A 12,000 cfs winter release is shown for the entire study period.

D. Lower Decile Runoff - Navigation Season Shortened at 52 MAF on July 1. System storage begins the period at 45.0 MAF and falls to 37.6 MAF by March 2007. The navigation season is shortened 3 weeks in 2002 and 4 weeks from 2003 through 2006.

Service level is at minimum service throughout the study period (2002-2006). A 12,000 cfs winter release is shown for the entire study period.

E. <u>Lower Decile Runoff - Navigation Season Shortened at 40 MAF on July 1</u>. System storage begins the period at 44.5 MAF and falls to 33.8 MAF by March 2007. An 8-month navigation season is provided through 2004, with a 2-week shortening to 7.5 months in 2005 and 2006. Service level is minimum service 2002 through 2006. A 12,000 cfs winter release is shown for the entire study period.

Plate 11 presents System storage, Gavins Point regulated flow, and System peaking capability for Median, Lower Quartile, and Lower Decile for both sets of guidelines, for the period 2002 through March 2007. Peak power, or peaking capability, is the amount of power available when all powerplants are operating at maximum.

Plate 12 presents reservoir elevations for Fort Peck, Garrison, Oahe, and Fort Randall for Median, Lower Quartile, and Lower Decile for both sets of guidelines, for the period 2002 through March 2007.

A Summary of Engineering Data for the Main Stem Reservoir System is shown on **Plate 2**.

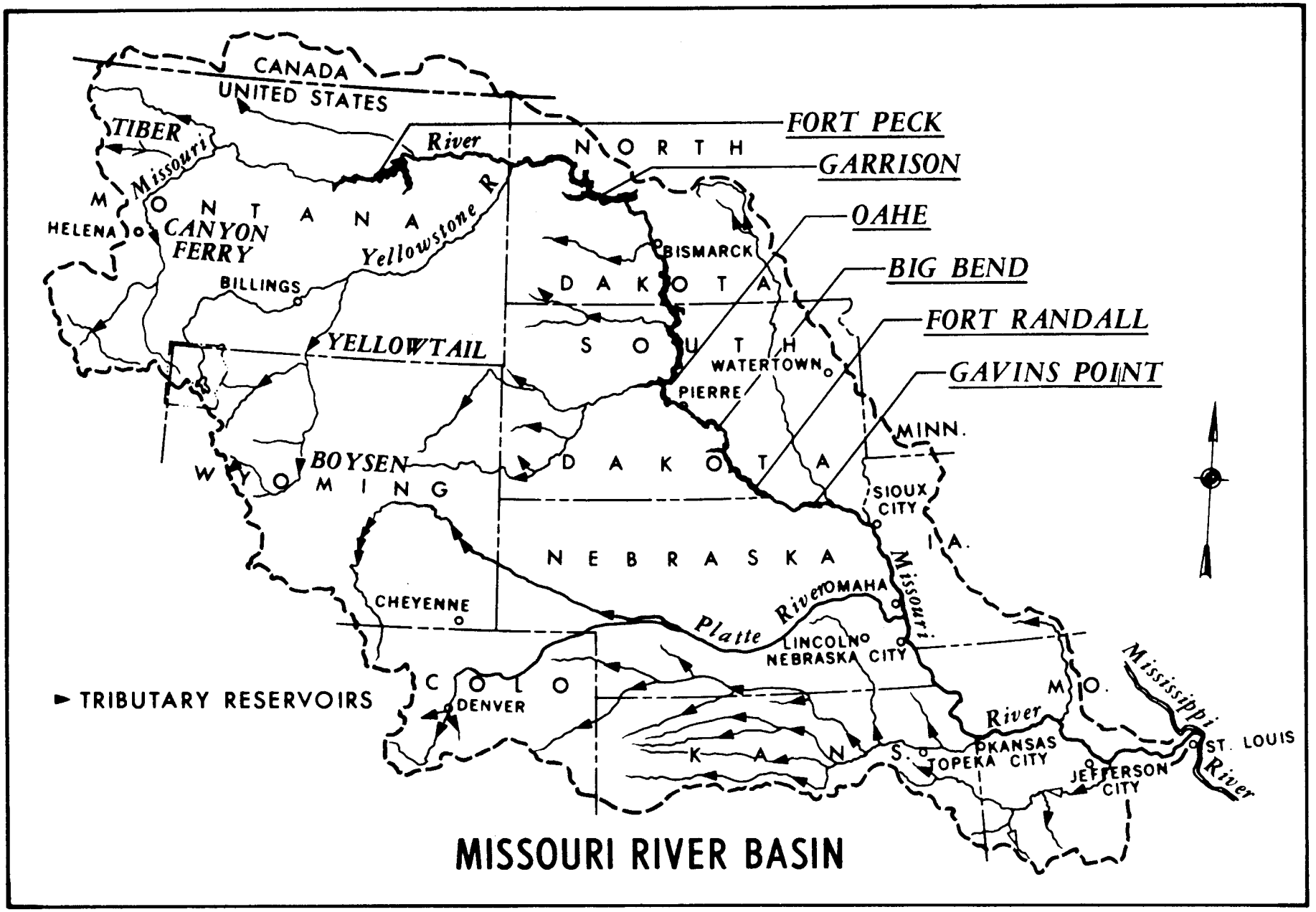

CANADA
UNITED STATES
TIBER
Missouri
River
FORT PECK
NORTH
GARRISON
OAHE
MONTANA
HELENA
CANYON FERRY
Yellowstone R.
BISMARCK
BIG BEND
BILLINGS
DAKOTA
FORT RANDALL
YELLOWTAIL
SOUTH
WATERTOWN
GAVINS POINT
PIERRE
MINN.
BOYSEN
WYOMING
DAKOTA
SIOUX CITY
IA.
NEBRASKA
Missouri
CHEYENNE
Platte River
OMAHA
LINCOLN
NEBRASKA CITY
COLO
DENVER
MO.
Mississippi
River
KANSAS
TOPEKA
CITY
ST. LOUIS
JEFFERSON CITY
TRIBUTARY RESERVOIRS
MISSOURI RIVER BASIN

PLATE 1

Summary of Engineering Data -- Missouri River Main Stem Reservoirs

Item No.	Subject	Fort Peck Lake	Garrison Dam - Lake Sakakawea	Oahe Dam - Lake Oahe
1	Location of Dam	Near Glasgow, Montana	Near Garrison, ND	Near Pierre, SD
2	River Mile - 1960 Mileage	Mile 1771.5	Mile 1389.9	Mile 1072.3
3	Total & incremental drainage areas in square miles	57,500	181,400 (2) 123,900	243,490 (1) 62,090
4	Approximate length of full reservoir (in valley miles)	134, ending near Zortman, MT	178, ending near Trenton, ND	231, ending near Bismarck, ND
5	Shoreline in miles (3)	1520 (elevation 2234)	1340 (elevation 1837.5)	2250 (elevation 1607.5)
6	Average total & incremental inflow in cfs	10,200	25,600 15,400	28,900 3,300
7	Max. discharge of record near damsite in cfs	137,000 (June 1953)	348,000 (April 1952)	440,000 (April 1952)
8	Construction started - calendar yr.	1933	1946	1948
9	In operation (4) calendar yr.	1940	1955	1962
	Dam and Embankment			
10	Top of dam, elevation in feet msl	2280.5	1875	1660
11	Length of dam in feet	21,026 (excluding spillway)	11,300 (including spillway)	9,300 (excluding spillway)
12	Damming height in feet (5)	220	180	200
13	Maximum height in feet (5)	250.5	210	245
14	Max. base width, total & w/o berms in feet	3500, 2700	3400, 2050	3500, 1500
15	Abutment formations (under dam & embankment)	Bearpaw shale and glacial fill	Fort Union clay shale	Pierre shale
16	Type of fill	Hydraulic & rolled earth fill	Rolled earth filled	Rolled earth fill & shale berms
17	Fill quantity, cubic yards	125,628,000	66,500,000	55,000,000 & 37,000,000
18	Volume of concrete, cubic yards	1,200,000	1,500,000	1,045,000
19	Date of closure	24 June 1937	15 April 1953	3 August 1958
	Spillway Data			
20	Location	Right bank - remote	Left bank - adjacent	Right bank - remote
21	Crest elevation in feet msl	2225	1825	1596.5
22	Width (including piers) in feet	820 gated	1336 gated	456 gated
23	No., size and type of gates	16 - 40' x 25' vertical lift gates	28 - 40' x 29' Tainter	8 - 50' x 23.5' Tainter
24	Design discharge capacity, cfs	275,000 at elev 2253.3	827,000 at elev 1858.5	304,000 at elev 1644.4
25	Discharge capacity at maximum operating pool in cfs	230,000	660,000	80,000
	Reservoir Data (6)			
26	Max. operating pool elev. & area	2250 msl 246,000 acres	1854 msl 380,000 acres	1620 msl 374,000 acres
27	Max. normal op. pool elev. & area	2246 msl 240,000 acres	1850 msl 364,000 acres	1617 msl 360,000 acres
28	Base flood control elev & area	2234 msl 212,000 acres	1837.5 msl 307,000 acres	1607.5 msl 312,000 acres
29	Min. operating pool elev. & area	2160 msl 90,000 acres	1775 msl 128,000 acres	1540 msl 117,000 acres
	Storage allocation & capacity			
30	Exclusive flood control	2250-2246 975,000 a.f.	1854-1850 1,489,000 a.f.	1620-1617 1,102,000 a.f.
31	Flood control & multiple use	2246-2234 2,717,000 a.f.	1850-1837.5 4,222,000 a.f.	1617-1607.5 3,201,000 a.f.
32	Carryover multiple use	2234-2160 10,785,000 a.f.	1837.5-1775 13,130,000 a.f.	1607.5-1540 13,461,000 a.f.
33	Permanent	2160-2030 4,211,000 a.f.	1775-1673 4,980,000 a.f.	1540-1415 5,373,000 a.f.
34	Gross	2250-2030 18,688,000 a.f.	1854-1673 23,821,000 a.f.	1620-1415 23,137,000 a.f.
35	Reservoir filling initiated	November 1937	December 1953	August 1958
36	Initially reached min. operating pool	27 May 1942	7 August 1955	3 April 1962
37	Estimated annual sediment inflow	18,100 a.f. 1030 yrs.	25,900 a.f. 920 yrs.	19,800 a.f. 1170 yrs.
	Outlet Works Data			
38	Location	Right bank	Right Bank	Right Bank
39	Number and size of conduits	2 - 24' 8" diameter (nos. 3 & 4)	1 - 26' dia. and 2 - 22' dia.	6 - 19.75' dia. upstream, 18.25' dia. downstream
40	Length of conduits in feet (8)	No. 3 - 6,615, No. 4 - 7,240	1529	3496 to 3659
41	No., size, and type of service gates	1 - 28' dia. cylindrical gate 6 ports, 7.6' x 8.5' high (net opening) in each control shaft	1 - 18' x 24.5' Tainter gate per conduit for fine regulation	1 - 13' x 22' per conduit, vertical lift, 4 cable suspension and 2 hydraulic suspension (fine regulation)
42	Entrance invert elevation (msl)	2095	1672	1425
43	Avg. discharge capacity per conduit & total	Elev. 2250 22,500 cfs - 45,000 cfs	Elev. 1854 30,400 cfs - 98,000 cfs	Elev. 1620 18,500 cfs - 111,000 cfs
44	Present tailwater elevation (ft msl)	2032-2036 5,000 - 35,000 cfs	1670-1680 15,000- 60,000 cfs	1423-1428 20,000-55,000 cfs
	Power Facilities and Data			
45	Avg. gross head available in feet (14)	194	161	174
46	Number and size of conduits	No. 1-24'8" dia., No. 2-22'4" dia.	5 - 29' dia., 25' penstocks	7 - 24' dia., imbedded penstocks
47	Length of conduits in feet (8)	No. 1 - 5,653, No. 2 - 6,355	1829	From 3,280 to 4,005
48	Surge tanks	PH#1: 3-40' dia., PH#2: 2-65' dia.	65' dia. - 2 per penstock	70' dia., 2 per penstock
49	No., type and speed of turbines	5 Francis, PH#1-2: 128.5 rpm, 1-164 rpm , PH#2-2: 128.6 rpm	5 Francis, 90 rpm	7 Francis, 100 rpm
50	Discharge cap. at rated head in cfs	PH#1, units 1&3 170', 2-140' 8,800 cfs, PH#2-4&5 170'-7,200 cfs	150' 41,000 cfs	185' 54,000 cfs
51	Generator nameplate rating in kW	1&3: 43,500; 2: 18,250; 4&5: 40,000	3 - 109,250, 2 - 95,000	112,290
52	Plant capacity in kW	185,250	517,750	786,030
53	Dependable capacity in kW (9)	181,000	388,000	534,000
54	Avg. annual energy, million kWh (12)	1,163	2,472	2,908
55	Initial generation, first and last unit	July 1943 - June 1961	January 1956 - October 1960	April 1962 - June 1963
56	Estimated cost September 1996 completed project (13)	$158,428,000	$299,938,000	$346,521,000

Summary of Engineering Data -- Missouri River Main Stem Reservoirs

Big Bend Dam - Lake Sharpe	Fort Randall Dam - Lake Francis Case	Gavins Point Dam - Lewis & Clark Lake	Total	Item No.	Remarks
21 miles upstream Chamberlain, SD	Near Lake Andes, SD	Near Yankton, SD		1	(1) Includes 4,280 square miles of non-contributing areas.
Mile 987.4	Mile 880.0	Mile 811.1		2	
249,330 (1) 5,840	263,480 (1) 14,150	279,480 (1) 16,000		3	(2) Includes 1,350 square miles of non-contributing areas.
80, ending near Pierre, SD	107, ending at Big Bend Dam	25, ending near Niobrara, NE	755 miles	4	
200 (elevation 1420)	540 (elevation 1350)	90 (elevation 1204.5)	5,940 miles	5	(3) With pool at base of flood control.
28,900	30,000 1,100	32,000 2,000		6	
440,000 (April 1952)	447,000 (April 1952)	480,000 (April 1952)		7	(4) Storage first available for regulation of flows.
1959	1946	1952		8	(5) Damming height is height from low water to maximum operating pool. Maximum height is from average streambed to top of dam.
1964	1953	1955		9	
1440	1395	1234		10	
10,570 (including spillway)	10,700 (including spillway)	8,700 (including spillway)	71,596	11	(6) Based on latest available storage data.
78	140	45	863 feet	12	
95	165	74		13	(7) River regulation is attained by flows over low-crested spillway and through turbines.
1200, 700	4300, 1250	850, 450		14	
Pierre shale & Niobrara chalk	Niobrara chalk	Niobrara chalk & Carlile shale		15	(8) Length from upstream face of outlet or to spiral case.
Rolled earth, shale, chalk fill	Rolled earth fill & chalk berms	Rolled earth & chalk fill		16	
17,000,000	28,000,000 & 22,000,000	7,000,000	358,128,000 cu. yds	17	(9) Based on 8th year (1961) of drought drawdown (From study 8-83-1985).
540,000	961,000	308,000	5,554,000 cu. yds.	18	
24 July 1963	20 July 1952	31 July 1955		19	
Left bank - adjacent	Left bank - adjacent	Right bank - adjacent		20	(10) Affected by level of Lake Francis case. Applicable to pool at elevation 1350.
1385	1346	1180		21	
376 gated	1000 gated	664 gated		22	(11) Spillway crest.
8 - 40' x 38' Tainter	21 - 40' x 29' Tainter	14 - 40' x 30' Tainter		23	(12) 1967-1999 Average
390,000 at elev 1433.6	620,000 at elev 1379.3	584,000 at elev 1221.4		24	(13) Source: Annual Report on Civil Works Activities of the Corps of Engineers. Extract Report Fiscal Year 1996.
270,000	508,000	345,000		25	
1423 msl 61,000 acres	1375 msl 102,000 acres	1210 msl 31,000 acres	1,194,000 acres	26	(14) Based on Study 8-83-1985
1422 msl 60,000 acres	1365 msl 95,000 acres	1208 msl 28,000 acres	1,147,000 acres	27	
1420 msl 57,000 acres	1350 msl 77,000 acres	1204.5 msl 24,000 acres	989,000 acres	28	
1415 msl 51,000 acres	1320 msl 38,000 acres	1204.5 msl 24,000 acres	450,000 acres	29	
1423-1422 60,000 a.f.	1375-1365 985,000 a.f.	1210-1208 59,000 a.f.	4,670,000 a.f.	30	
1422-1420 117,000 a.f.	1365-1350 1,309,000 a.f.	1208-1204.5 90,000 a.f.	11,656,000 a.f.	31	
	1350-1320 1,607,000 a.f.		38,983,000 a.f.	32	
1420-1345 1,682,000 a.f.	1320-1240 1,517,000 a.f.	1204.5-1160 321,000 a.f.	18,084,000 a.f.	33	
1423-1345 1,859,000 a.f.	1375-1240 5,418,000 a.f.	1210-1160 470,000 a.f.	73,393,000 a.f.	34	
November 1963	January 1953	August 1955		35	
25 March 1964	24 November 1953	22 December 1955		36	
4,300 a.f. 430 yrs.	18,300 a.f. 250 yrs.	2,600 a.f. 180 yrs.	92,500 a.f.	37	
	Left Bank			38	
None (7)	4 - 22' diameter	None (7)		39	
	1013			40	
	2 - 11' x 23' per conduit, vertical lift, cable suspension			41	
1385 (11)	1229	1180 (11)		42	
	Elev 1375			43	
	32,000 cfs - 128,000 cfs				
1351-1355(10) 25,000-100,000 cfs	1228-1239 5,000-60,000 cfs	1155-1163 15,000-60,000 cfs		44	
70	117	48	764 feet	45	
None: direct intake	8 - 28' dia., 22' penstocks	None: direct intake		46	
	1,074		55,083	47	
None	59' dia, 2 per alternate penstock	None		48	
8 Fixed blade, 81.8 rpm	8 Francis, 85.7 rpm	3 Kaplan, 75 rpm	36 units	49	
67' 103,000 cfs	112' 44,500 cfs	48' 36,000 cfs		50	
3 - 67,276, 5 - 58,500	40,000	44,100		51	
494,320	320,000	132,300	2,435,650 kw	52	
497,000	293,000	74,000	1,967,000 kw	53	Corps of Engineers, U.S. Army
1,055	1,861	756	10,215 million kWh	54	Compiled by
October 1964 - July 1966	March 1954 - January 1956	September 1956 - January 1957	July 1943 - July 1966	55	Northwestern Division
				56	Missouri River Region
$107,498,000	$199,066,000	$49,617,000	$1,161,068,000		May 2000

Plate 2

System Storage

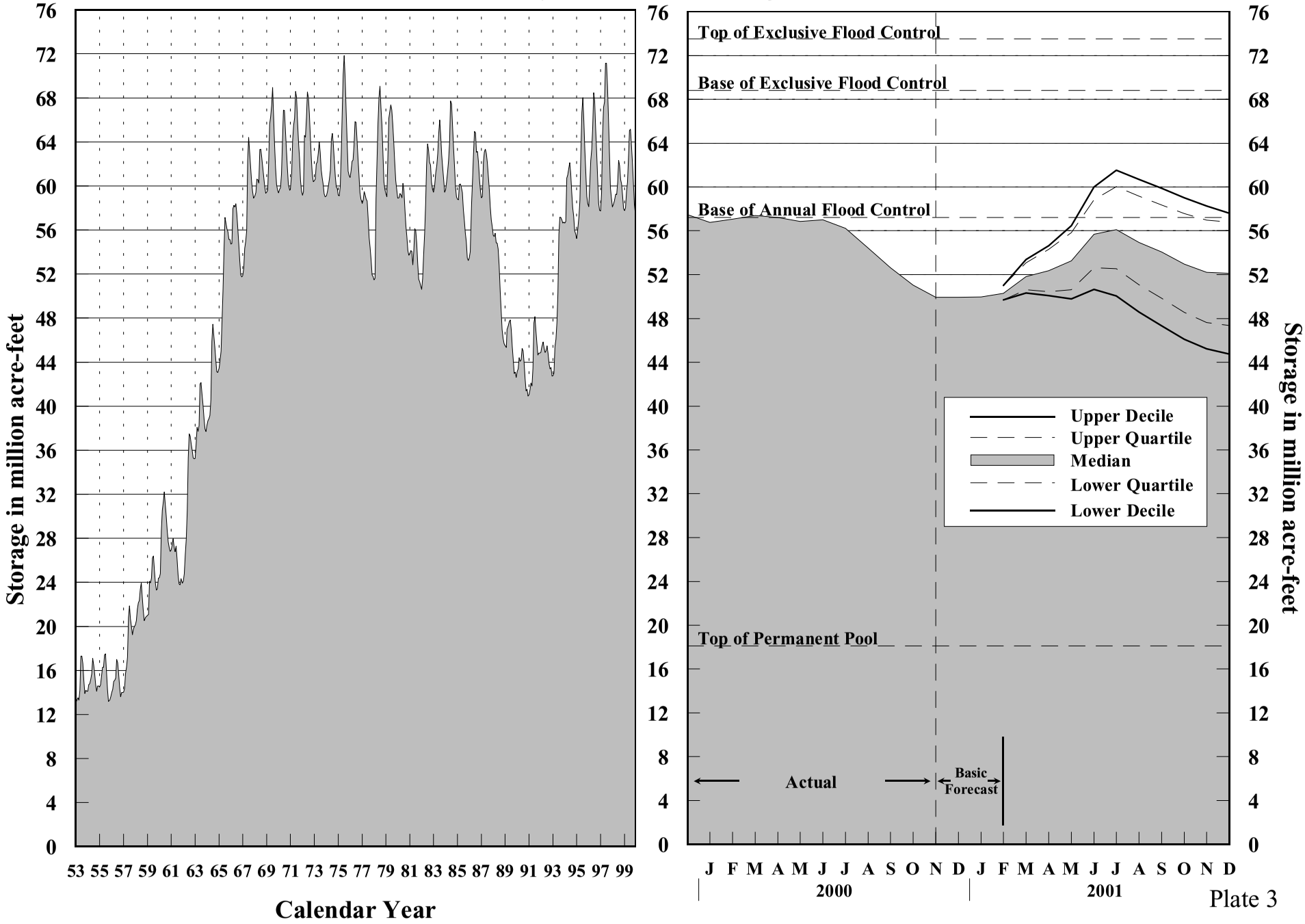


Plate 3

Gavins Point Releases

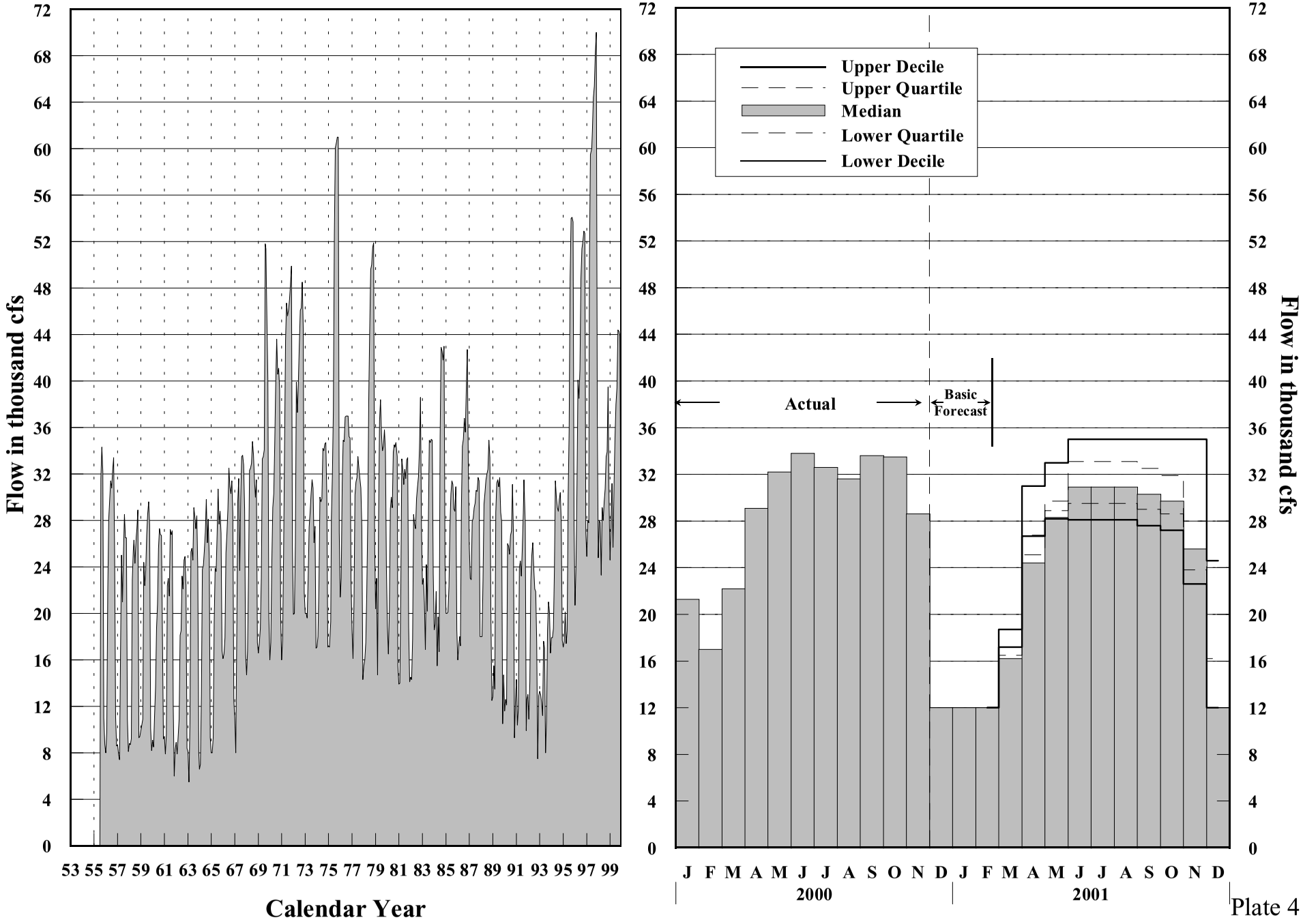
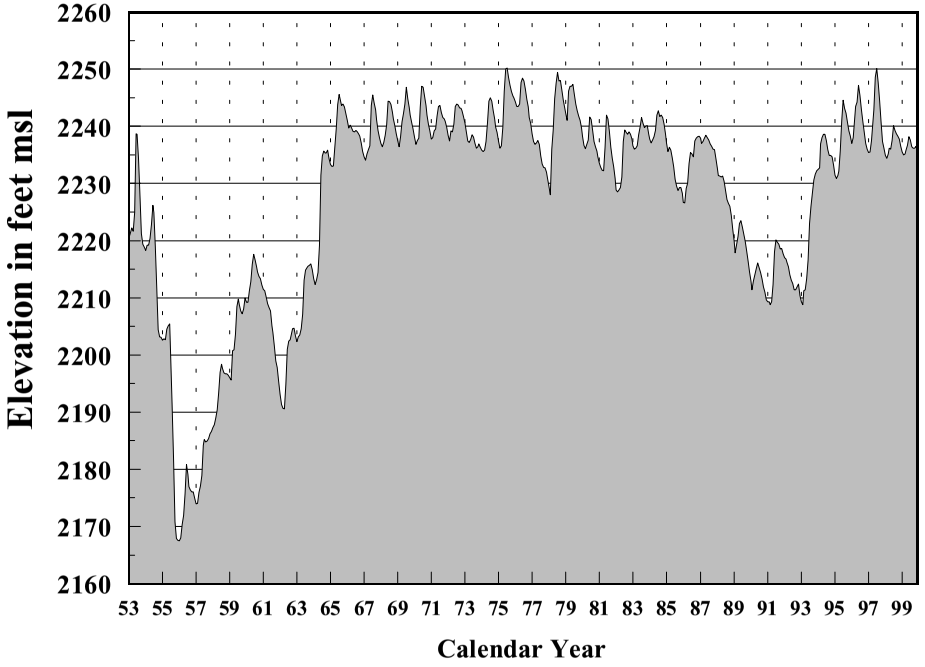
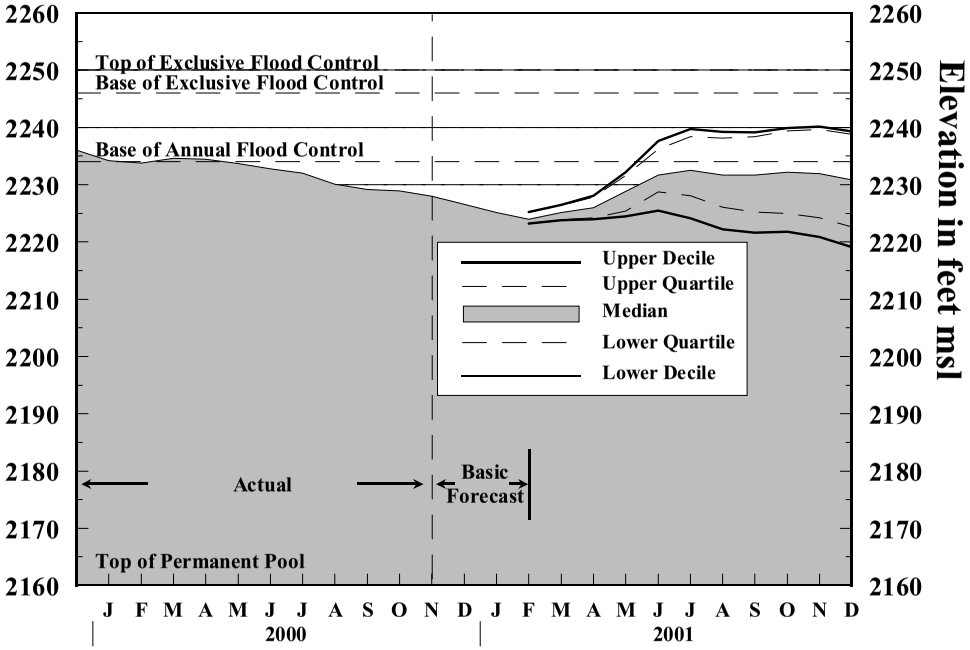
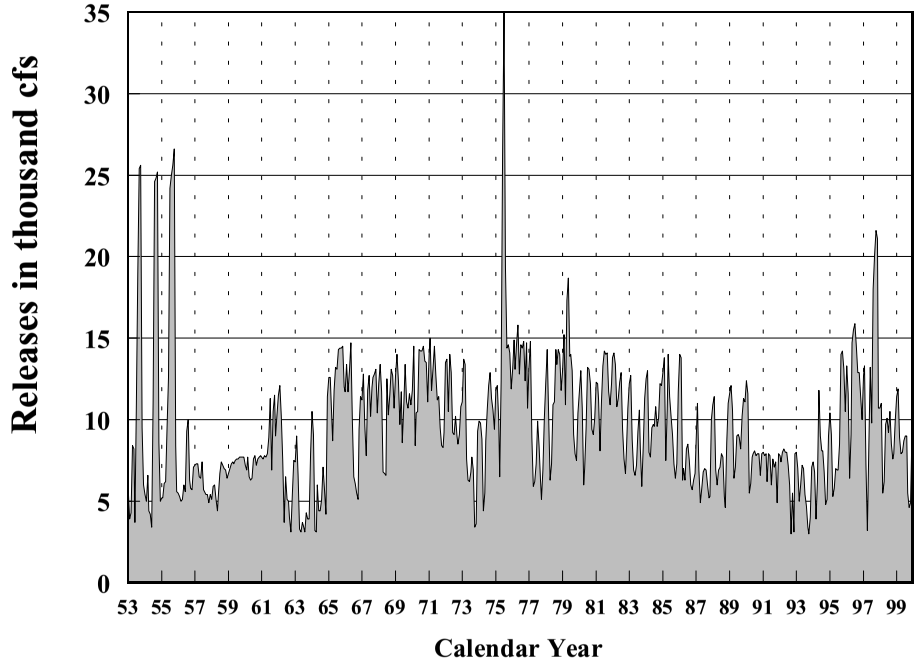


Plate 4

Fort Peck
Elevations and Releases







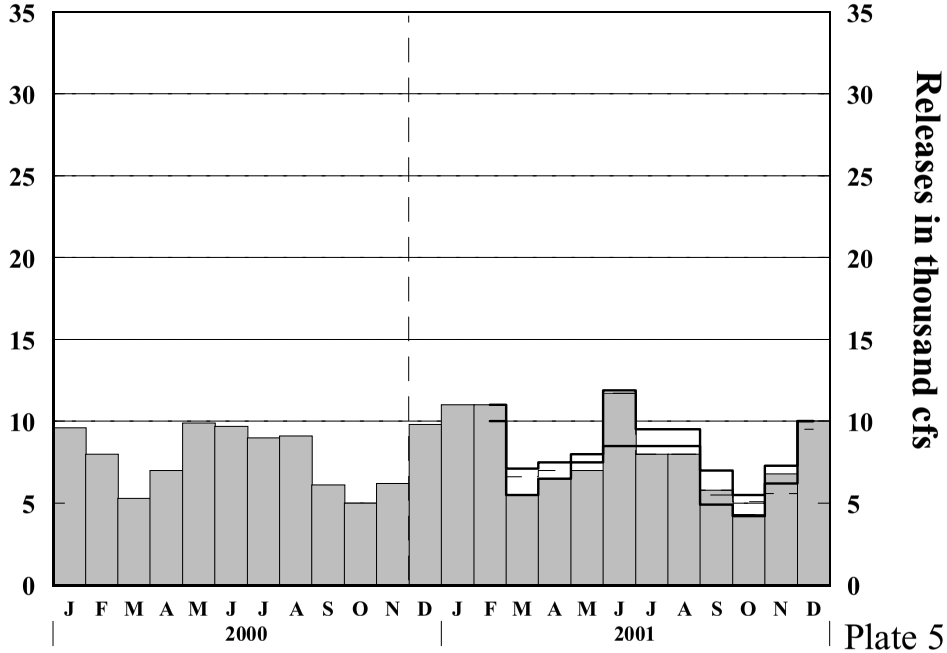
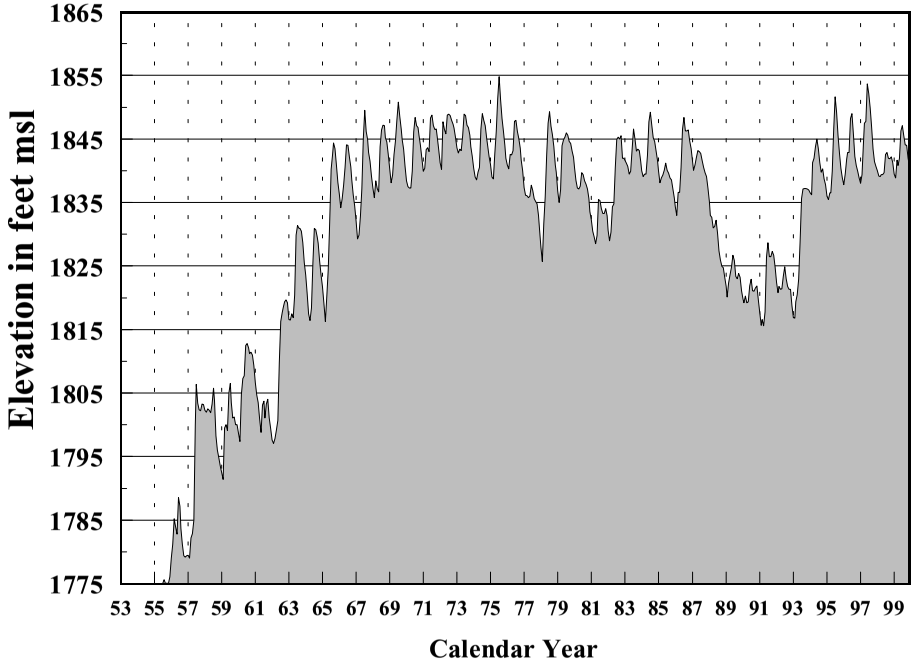
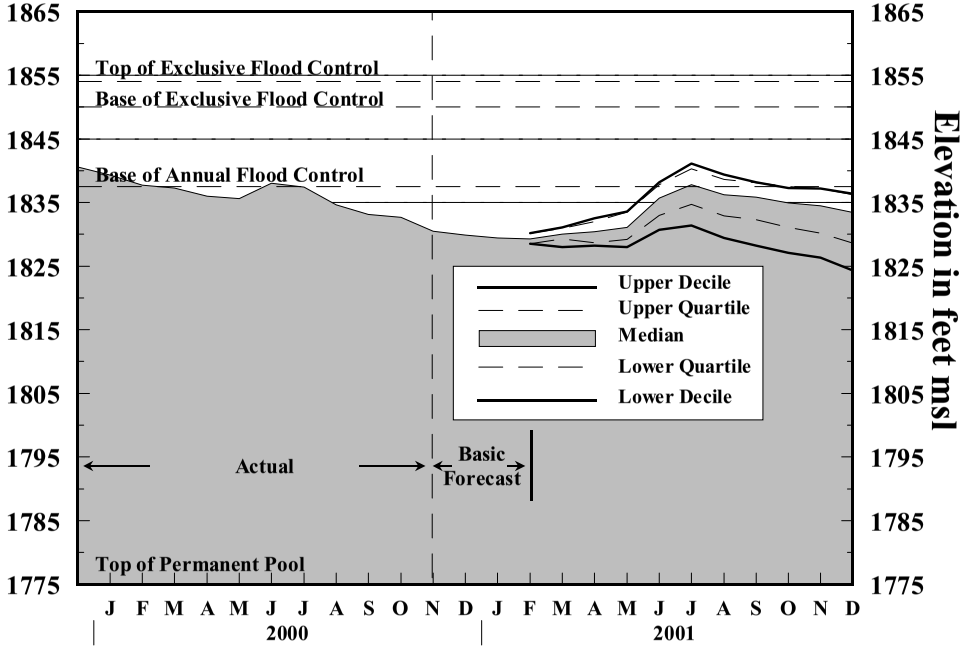
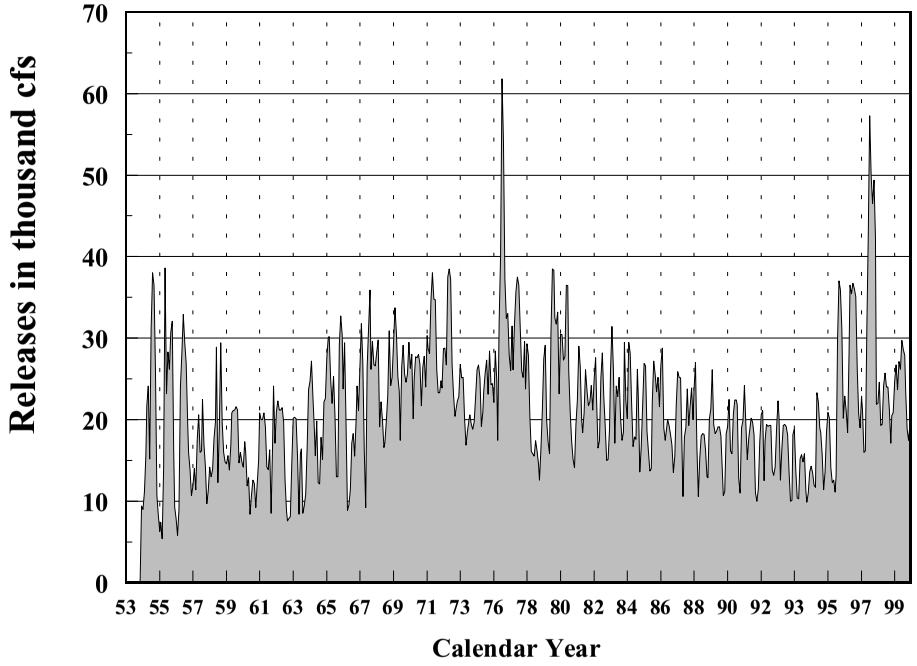


Plate 5

Garrison
Elevations and Releases







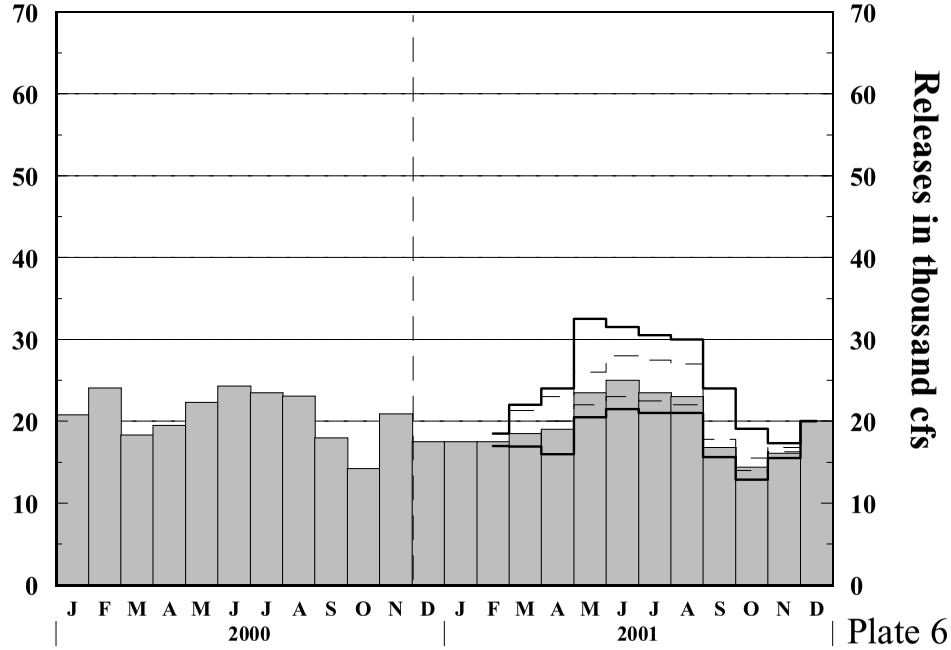
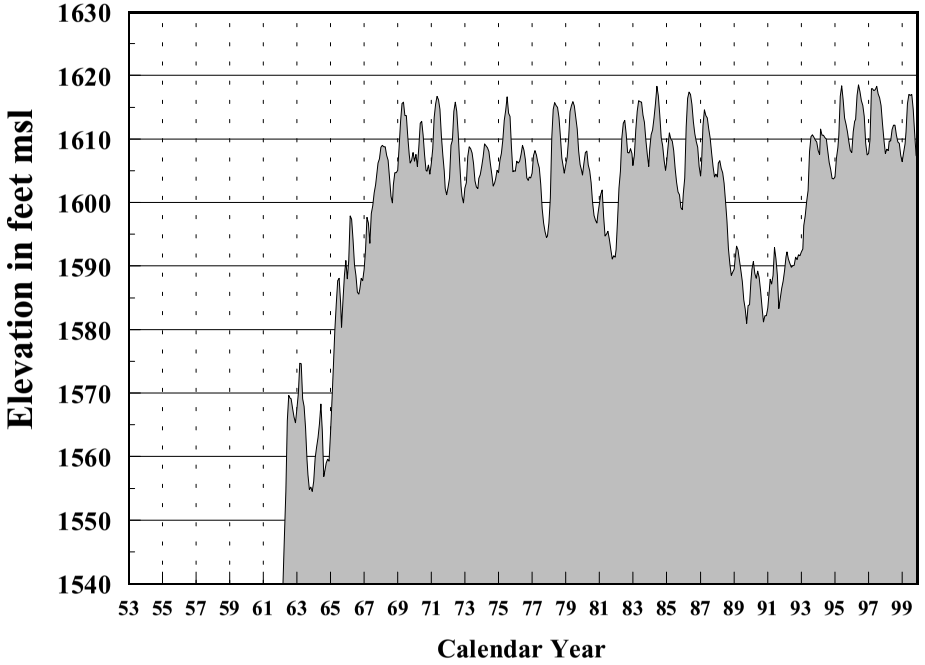
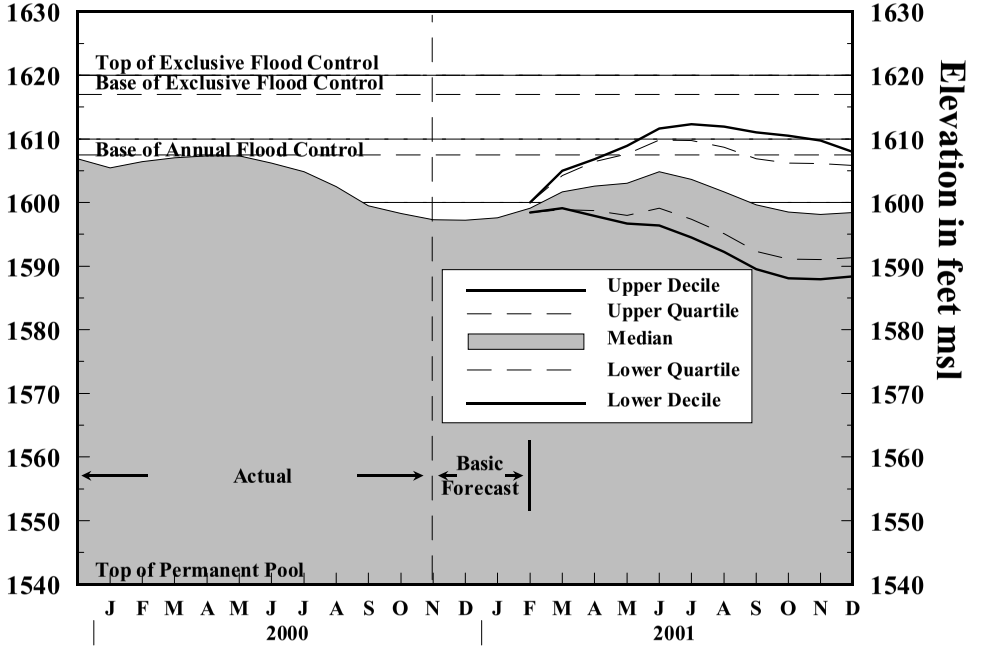
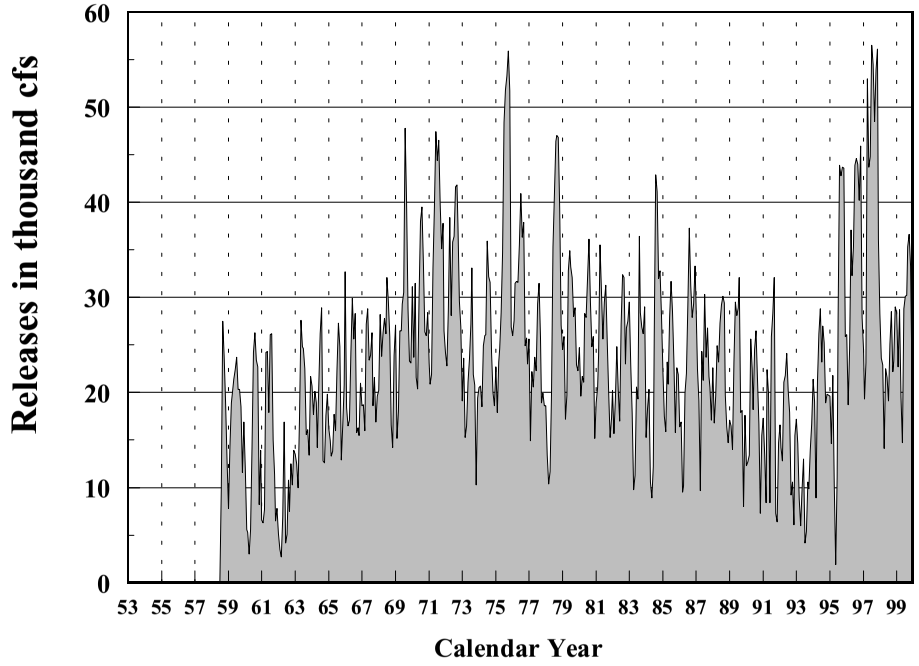


Plate 6

Oahe
Elevations and Releases







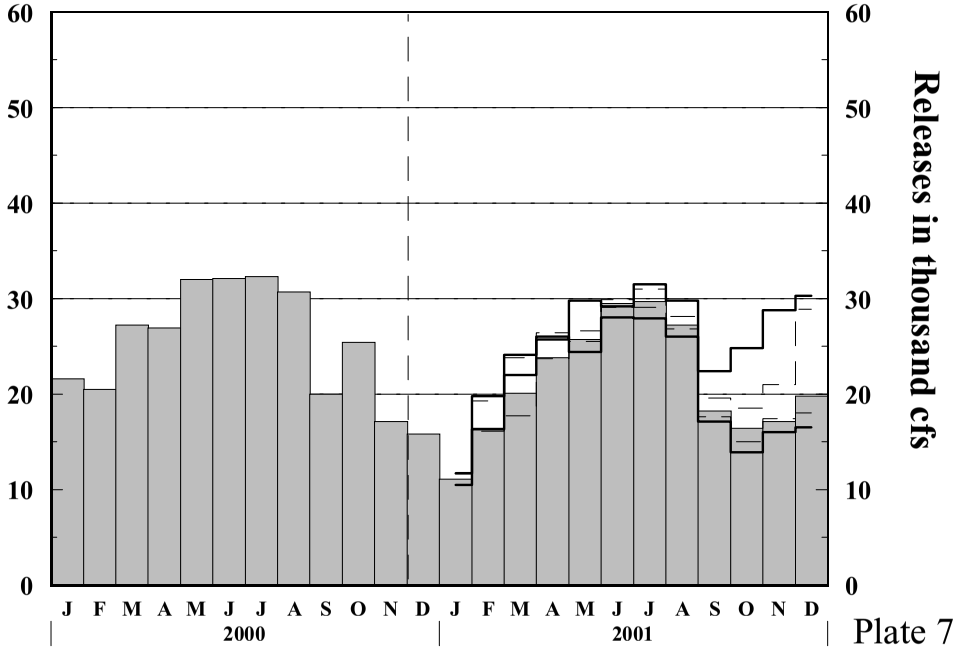
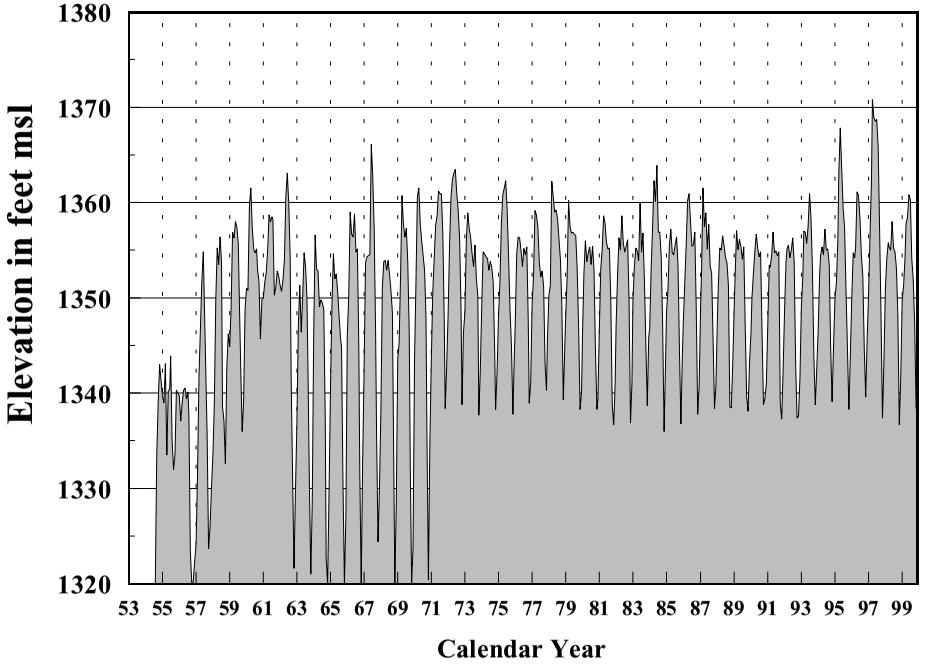
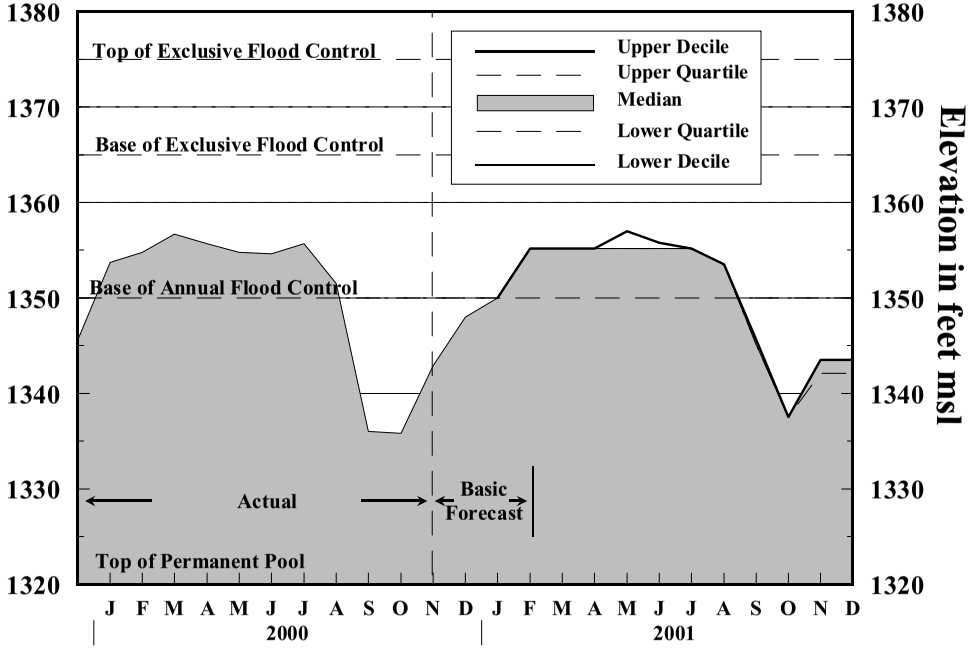
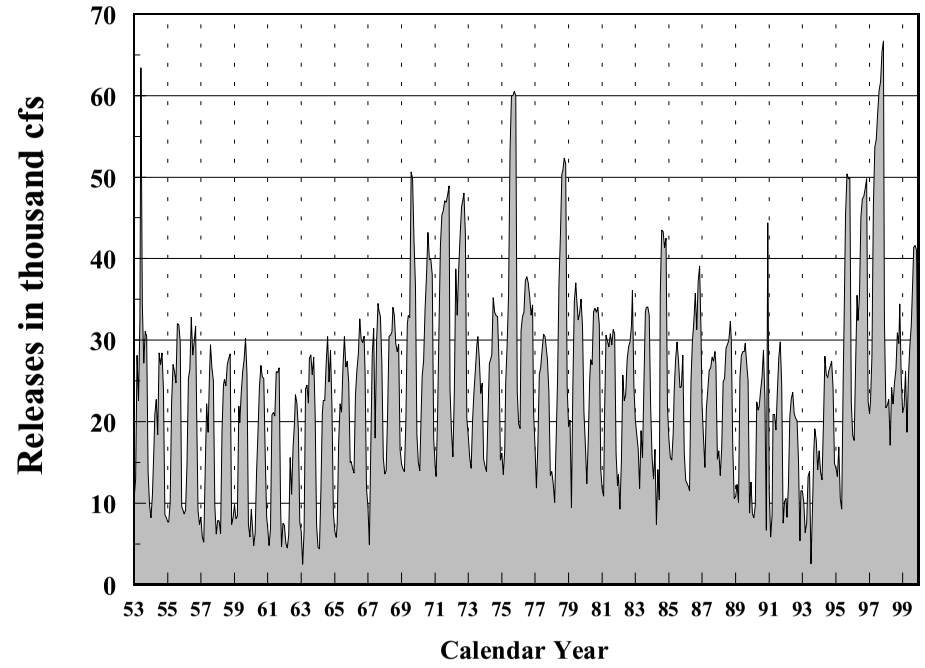


Plate 7

Fort Randall
Elevations and Releases







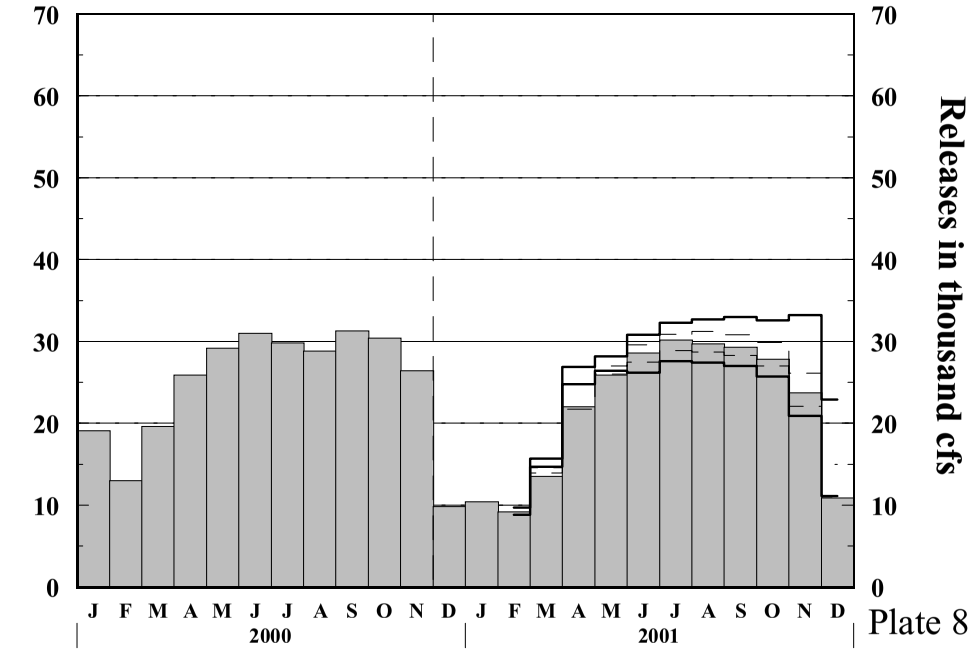
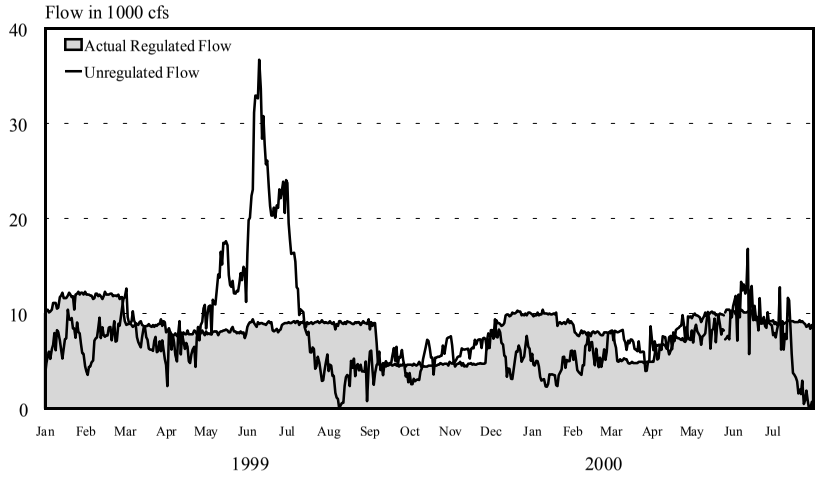


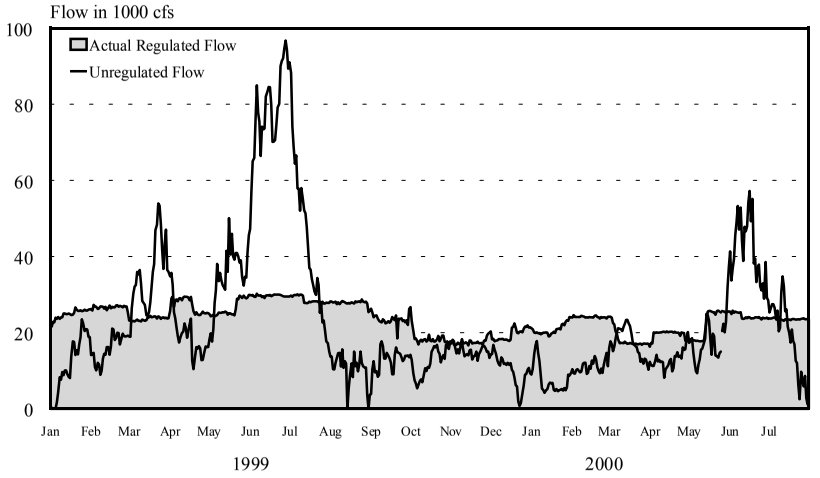
Plate 8

Reservoir Release and Unregulated Flow

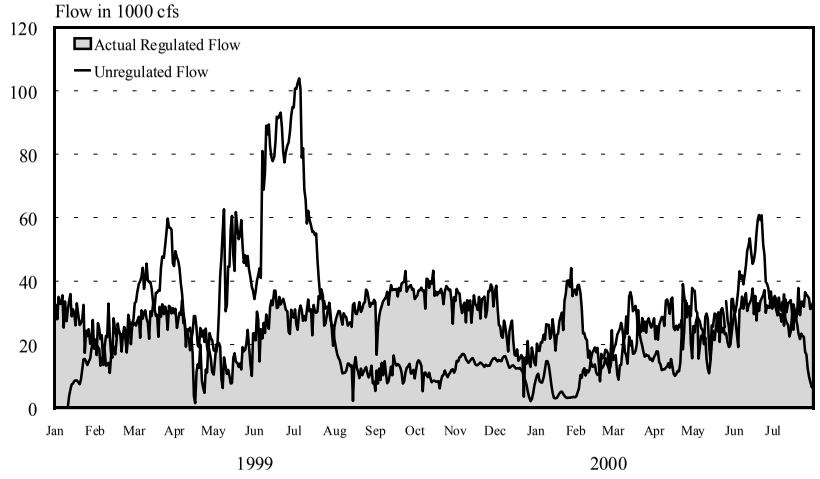
Fort Peck



Garrison



Oahe



Gavins Point

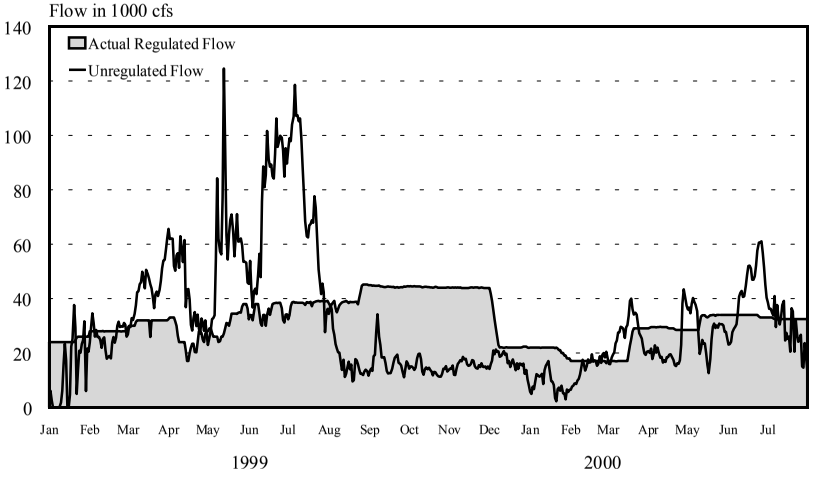


Plate 9

System Gross Capability and Average Monthly Generation

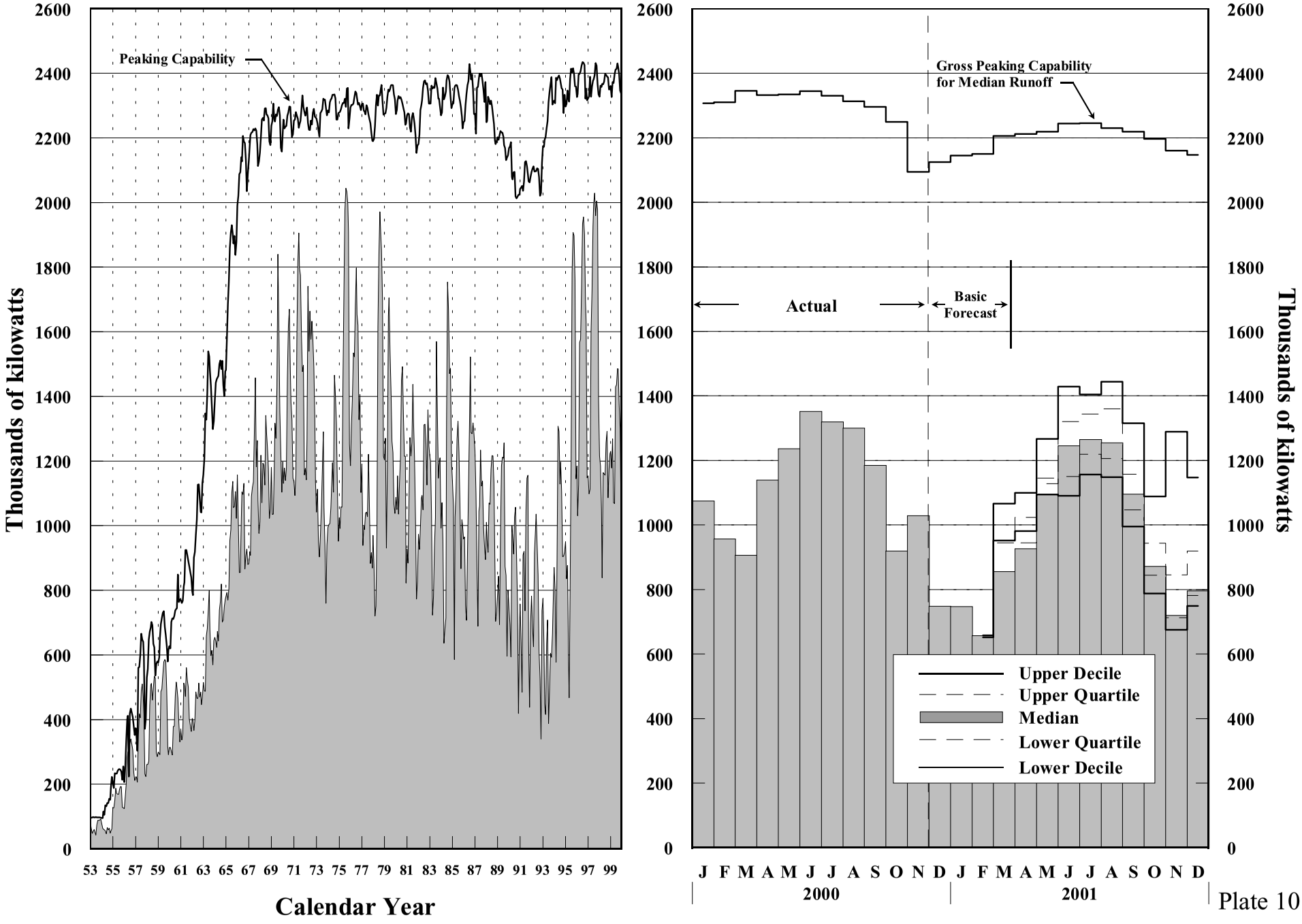


Plate 10

Tentative Five Year Extensions of 2000-2001 AOP

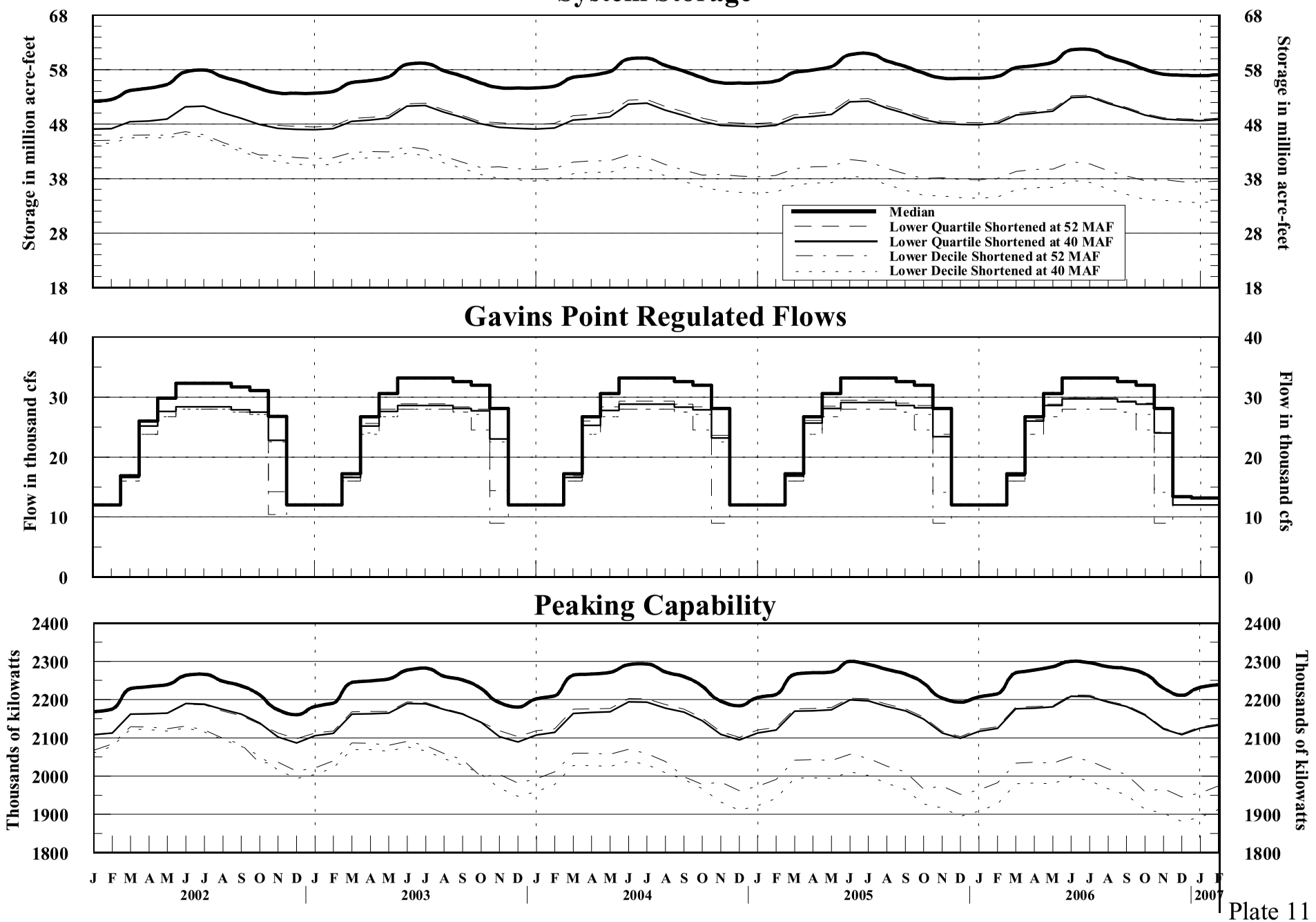


Plate 11

Tentative Five Year Extensions of 2000-2001 AOP

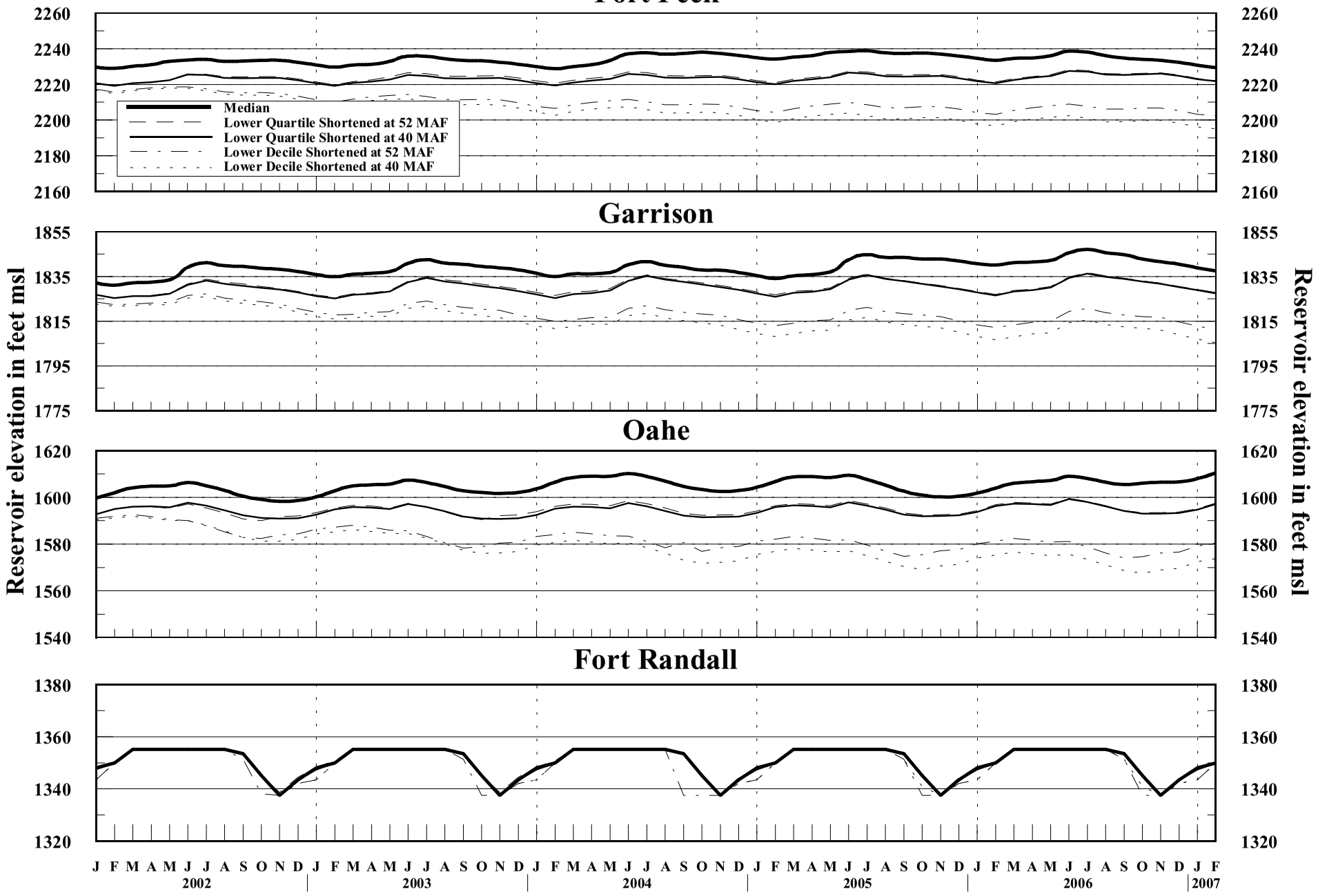


Plate 12

MRNRC
MISSOURI RIVER
NATURAL RESOURCES
COMMITTEE

1434 316th Lane • Missouri Valley, Iowa 51555 • 712-642-4121 • Fax 712-642-2460

September 1, 2000

Colonel Michael Meuleners
Northwestern Division, Corps of Engineers
12565 W. Center Road
Omaha, NE 68144-3869

Dear Colonel Meuleners:

I am pleased to submit the following recommendations of the Missouri River Natural Resources Committee (MRNRC) for operation of the Missouri River system during 2000/2001. These recommendations were developed with input from our Fish, Wildlife, and Tern and Plover Technical Sections and adopted by our official MRNRC state delegates.

For the past several years the MRNRC has provided comprehensive recommendations regarding seasonal dam releases, reservoir elevations, and operations for interior least terns and piping plovers. The recommendations regarding Fort Peck and Gavins Point Dam releases, minimum flows below the dams, minimum lake elevations in Lake Sakakawea and Lake Oahe, stable discharges below Oahe Dam and Fort Randall Dam, and spiking of water releases and operations for interior least terns and piping plovers cited in our August 26, 1999 letter remain valid and are incorporated herein by reference.

We appreciate the efforts made this year to maintain Lake Sakakawea elevations during rainbow smelt spawning and to maintain more stable discharges from Oahe Dam during walleye spawning. Biologists have already detected substantial numbers of young-of-the-year (YOY) smelt in Lake Sakakawea while low numbers were found in Lake Oahe. The remainder of this letter will concentrate on specific recommendations for the 2000/2001 AOP which pertain to test flows from Fort Peck Dam and unbalancing of storage in Fort Peck Lake, Lake Sakakawea, and Lake Oahe.

It is our understanding that beginning in mid-May 2001, test flows ("the mini-test") will be released through the Fort Peck Dam spillway to test the structural integrity and performance of the spillway. Various combinations of flow from the spillway and powerhouse will be tested up to a maximum combined release of 15,000 cubic-feet-per-second. These combinations will be tested over a 3-4 day period followed by several days of monitoring prior to another test. The testing is to be completed in 25 days. In 2002, larger test flows will be released and accompanied by an unbalancing of storage in Fort Peck Lake, Lake Sakakawea, and Lake Oahe.

The MRNRC supports these preliminary tests as we view them as initial steps in adaptive management of the river. Spring releases from the dams and unbalancing of reservoir storage should be decided annually, and be dependent on storage conditions in the reservoirs and projected basin runoff. In anticipation of the 2002 full Fort Peck test and reservoir unbalancing, MRNRC members are developing elevation triggers and runoff guidelines for Fort Peck Lake, Lake Sakakawea, and Lake Oahe to guide future release and unbalancing efforts. We intend to discuss these guidelines with your staff and the U.S. Fish and Wildlife Service during our annual meeting in September.

Our specific recommendations for 2001 are:

Exhibit 1

- Owing to the current low storage in Fort Peck Lake, Lake Sakakawea, and Lake Oahe, storage should be balanced ;

- Minimum storage in all lakes should be maintained as close as possible to the conservation pool (base of the annual flood control pool);

- Lake Oahe elevations should not fall between April 8 and May 15 for smelt and walleye spawning; levels in Lake Sakakawea should not fall between April 20 and May 20. Smelt spawn in the top six inches to one foot of the water column on reservoir shorelines. Lake Oahe levels dropped approximately one foot this year immediately after the smelt spawned. Stable reservoir levels are necessary during and immediately following spawning to prevent dessication and loss of eggs. Because of its current low smelt numbers, Lake Oahe is the priority for the coming spring and the following spring if this recommendation cannot be implemented in both lakes.

- It is our understanding that the Fort Peck mini-test will not be implemented unless reservoir elevations exceed 2225 and runoff is expected to be above lower quartile. Stable to rising lake levels should be maintained during the test to preserve reservoir fish spawning and nursery habitat. The tests should be delayed until early June. This will make it more likely that inflows would match or exceed the test outflows even during a low runoff year, thus preserving lake levels. Also, in May, reservoir surface temperatures are not likely to be high enough to produce the desired downstream temperature increases from spillway releases.

- Preliminary reports are that interior least terns and piping plovers had a successful nesting year owing to the continued availability of habitat created by the high flows in 1997 and the lower flows that occurred throughout the nesting season. However, vegetation is beginning to significantly encroach on nesting bars, especially in the river reach between Fort Randall Dam and Lewis and Clark Lake. Flow management measures should be instituted next year if water is available to scour and push up new bars.

I trust these recommendations will be helpful to your staff in developing the Annual Operating Plan for next year. If you have any questions concerning these recommendations, please contact me at 402-471-5555 or Tom Gengerke, incoming MRNRC Chair at 712-336-1714.

Sincerely,

Gene Zuerlein
MRNRC Chair
Nebraska Game and Parks Commission

MRNRC Delegates
MRNRC Ex-Officio Members and
Cooperating Agencies
MRNRC Technical Section Chairs
MRBA Executive Director
FWS Missouri River Coordinator (Olson)

MISSOURI RIVER
NATURAL RESOURCES
COMMITTEE

1434 316th Lane • Missouri Valley, Iowa 51555 • 712-642-4121 • Fax 712-642-2460

September 21, 2000

Colonel Michael Meuleners
Northwestern Division, Corps of Engineers
12565 W. Center Road
Omaha, NE 68144-3869

Dear Colonel Meuleners:

This is a follow-up to our Annual Operating Plan recommendations of September 1, 2000. After the presentation by your staff on September 13 at our annual meeting and follow-up discussion, we have a better understanding of the plans proposed for the Fort Peck test flows and unbalancing of reservoir storage in 2001 and 2002.

The Missouri River Natural Resources Committee has supported the concept of unbalancing for many years, but only under the right circumstances. This past year has been one of below normal runoff in the Upper Basin. Your staff predicts runoff to be approximately 17.1 million acre-feet which is below Lower Quartile (i.e. occurred in 15 years during the 100-year period from 1898 to 1997). The elevations predicted for Fort Peck Lake, Lake Sakakawea, and Lake Oahe under the basic forecast for next March 1 are below normal for that time of year and infrequently occur under current operations. Since 1968 when the reservoir system was completed, these elevations have been exceeded in roughly 4 out of 5 years. **Therefore, we are concerned that the plans proposed for unbalancing in the next several years may further lower already low reservoirs if a prolonged drought ensues**. For this reason, we believe that the conditions for implementing unbalancing need to be specified to minimize unintended impacts to reservoir fisheries in the event the drought persists.

We agreed at the meeting to provide reservoir elevation guidelines for Fort Peck Lake, Lake Sakakawea, and Lake Oahe for implementing unbalancing. The elevation guidelines are as follows:

1) **Fort Peck Lake:** If the March 1 elevation is greater than the base of the annual flood control pool (2234 ft. msl), implement unbalancing. If the March 1 elevation is between 2227 and 2234 feet msl, implement unbalancing if runoff is projected to raise the reservoir elevation more than three (3) feet after March 1. Unbalancing should not cause lake levels to decline during the important spawning period for forage fish which ranges from April 15-May 30.

2) **Lake Sakakawea:** If the March 1 elevation is greater than the base of the annual flood control pool (1837.5 feet msl), implement unbalancing. If the March 1 elevation is between 1827 feet msl and 1837.5 feet msl, implement unbalancing if runoff is projected to raise the reservoir elevation more than three (3) feet after March 1. Unbalancing should not be implemented until after the critical rainbow smelt and walleye spawning period of April 20-May 20.

3) **Lake Oahe:** If the March 1 elevation is greater than the base of the annual flood control pool (1607.5 feet msl), implement unbalancing. If the March 1 elevation is between 1600 feet msl and 1607.5 feet msl, implement unbalancing if runoff is projected to raise the reservoir elevation more than three (3) feet after March 1. Unbalancing should not be implemented until after the critical rainbow smelt and walleye

Exhibit 2

spawning period of April 8-May 15.

Under the criteria listed above, it would have been possible to implement unbalancing in the reservoirs in the majority of years since 1968. Our analysis of actual end-of-month storage data for the reservoirs indicate that unbalancing would have occurred in 24 of 32 years in Oahe, 24 of 32 years in Sakakawea, and 26 years out of 32 in Fort Peck.

Even with these conditions, it will still be possible to implement the Fort Peck test flows over the next several years without unbalancing Lake Sakakawea. If the drought persists, Sakakawea elevations will continue to decline thereby exposing shoreline habitat and allowing regrowth of vegetation already exposed this year.

I hope these guidelines are helpful to your staff in developing the Annual Operating Plan for next year and the plans for the Fort Peck test flows. If you have any questions concerning these recommendations, please contact me at 402-471-5555 or Tom Gengerke, incoming MRNRC Chair at 712-336-1714.

Sincerely,

Gene Zuerlein
Immediate Past MRNRC Chair
Nebraska Game and Parks Commission

MRNRC Delegates
MRNRC Ex-Officio Members and
Cooperating Agencies
MRNRC Technical Section Chairs
MRBA Executive Director
FWS Missouri River Coordinator (Olson)

News Release

US Army Corps of Engineers
Northwestern Division
Public Affairs Office

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(402) 697-2552

Date: Jan. 12, 2001

FOR IMMEDIATE RELEASE

OMAHA -- The U.S. Army Corps of Engineers announced today its Annual Operating Plan for the Missouri River main stem dams and reservoirs for next year.

"With much of the basin suffering from moderate drought, the plan for the upcoming year will be one of conservation," said Lt. Col. Duane Sims, Northwestern Division Assistant Division Engineer. "The final plan differs slightly from the draft presented at the October public meetings. First, the AOP studies were updated to reflect current basin conditions, and second, lower winter releases are planned as an additional conservation measure while the system storage is below normal," he said.

Three public meetings were conducted on the draft plan Oct. 17-19 at Bismarck, N.D., Fort Peck, Mont., and Kansas City, Mo. As a result of suggestions received from various interests, a winter release rate of 12,000 cubic feet per second (cfs) was used in the final AOP studies.

"Releases this winter should be high enough to provide adequate service to downstream intakes," said Colonel Sims. “However, we will continue to provide modest short-term increases in Gavins Point releases to help alleviate water supply intake problems along the river during ice formation periods.”

Exhibit 3

Releases to support navigation will be in accordance with the operational objectives described in the current Master Water Control Manual. “Flow support for the 2001 navigation season will begin on schedule but at reduced levels, unless the basin experiences a significant turnaround in runoff conditions."

A number of clarifications and word changes were made to the draft to improve readability. Corps officials will distribute the final report later this month. Public meetings will be conducted in April 2001 to update the spring runoff outlook and review the operational plans for the remainder of the year. Specific dates and locations will be announced prior to the meetings.

--30--

Daily reservoir and river information is available from the water management section of the Northwestern Division homepage at www.nwd.usace.army.mil.

VALUES IN 1000 AF EXCEPT AS INDICATED

30NOV00		2000		2001
	INI-SUM	31DEC	31JAN	28FEB
--FORT PECK--				
NAT INFLOW	970	290	315	365
DEPLETION	-208	-83	-78	-47
EVAPORATION	45	45		
MOD INFLOW	1133	328	393	412
RELEASE	1890	603	676	611
STOR CHANGE	-757	-275	-283	-199
STORAGE	13775	13500	13217	13018
ELEV FTMSL	2228.0	2226.6	2225.1	2224.0
DISCH KCFS	6.3	9.8	11.0	11.0
POWER				
AVE POWER MW		130	145	145
PEAK POW MW		203	201	200
ENERGY GWH	302.4	97.0	108.2	97.2
--GARRISON--				
NAT INFLOW	850	230	260	360
DEPLETION	-47	-46	-12	11
CHAN STOR	-48	-36	-12	0
EVAPORATION	50	50		
REG INFLOW	2689	793	936	960
RELEASE	3124	1076	1076	972
STOR CHANGE	-435	-283	-140	-12
STORAGE	16170	15887	15747	15735
ELEV FTMSL	1830.9	1829.9	1829.4	1829.3
DISCH KCFS	20.8	17.5	17.5	17.5
POWER				
AVE POWER MW		209	208	207
PEAK POW MW		355	353	353
ENERGY GWH	449.0	155.2	154.5	139.3
--OAHE--				
NAT INFLOW	100		10	90
DEPLETION	60	13	18	29
CHAN STOR	15	15		
EVAPORATION	48	48		
REG INFLOW	3130	1029	1068	1033
RELEASE	2638	1051	973	614
STOR CHANGE	492	-21	95	419
STORAGE	15875	15854	15948	16367
ELEV FTMSL	1597.3	1597.2	1597.6	1599.1
DISCH KCFS	24.4	17.1	15.8	11.1
POWER				
AVE POWER MW		208	193	136
PEAK POW MW		652	653	661
ENERGY GWH	390.0	155.0	143.8	91.3
--BIG BEND--				
EVAPORATION	11	11		
REG INFLOW	2627	1039	973	614
RELEASE	2644	1056	973	614
STORAGE	1699	1682	1682	1682
ELEV FTMSL	1420.3	1420.0	1420.0	1420.0
DISCH KCFS	24.1	17.2	15.8	11.1
POWER				
AVE POWER MW		85	77	53
PEAK POW MW		538	537	529
ENERGY GWH	156.4	63.5	57.2	35.7
--FORT RANDALL--				
NAT INFLOW	80	10	20	50
DEPLETION	9	3	3	3
EVAPORATION	10	10		
REG INFLOW	2705	1054	990	661
RELEASE	1753	603	639	511
STOR CHANGE	952	451	351	150
STORAGE	2171	2622	2973	3123
ELEV FTMSL	1335.1	1342.9	1348.0	1350.0
DISCH KCFS	26.2	9.8	10.4	9.2
POWER				
AVE POWER MW		72	81	74
PEAK POW MW		301	324	331
ENERGY GWH	164.0	53.8	60.4	49.8
--GAVINS POINT--				
NAT INFLOW	345	120	100	125
DEPLETION	11	10	1	
CHAN STOR	32	31	-1	2
EVAPORATION	4	4		
REG INFLOW	2115	739	737	638
RELEASE	2141	739	737	664
STOR CHANGE	-26			-26
STORAGE	384	384	384	358
ELEV FTMSL	1207.0	1207.0	1207.0	1206.0
DISCH KCFS	28.8	12.0	12.0	12.0
POWER				
AVE POWER MW		43	43	42
PEAK POW MW		77	77	76
ENERGY GWH	92.1	31.9	31.8	28.4
--GAVINS POINT - SIOUX CITY--				
NAT INFLOW	160	40	35	85
DEPLETION	35	11	12	12
REGULATED FLOW AT SIOUX CITY				
KAF	2266	768	760	737
KCFS		12.5	12.4	13.3
--TOTAL--				
NAT INFLOW	2505	690	740	1075
DEPLETION	-140	-92	-56	8
CHAN STOR	-2	10	-13	2
EVAPORATION	169	169		
STORAGE	50074	49928	49951	50283
SYSTEM POWER				
AVE POWER MW		748	747	657
PEAK POW MW		2125	2145	2150
ENERGY GWH	1553.9	556.4	555.9	441.6
DAILY GWH		17.9	17.9	15.8
	INI-SUM	31DEC	31JAN	28FEB

VALUES IN 1000 AF EXCEPT AS INDICATED

	30NOV00	2000		2001
	INI-SUM	31DEC	31JAN	28FEB
--FORT PECK--				
NAT INFLOW	1164	348	378	438
DEPLETION	-238	-81	-99	-58
EVAPORATION	34	34		
MOD INFLOW	1368	395	477	496
RELEASE	1902	615	676	611
STOR CHANGE	-534	-220	-199	-115
STORAGE	13775	13555	13356	13241
ELEV FTMSL	2228.0	2226.9	2225.8	2225.2
DISCH KCFS	6.3	10.0	11.0	11.0
POWER				
AVE POWER MW		133	146	145
PEAK POW MW		203	202	201
ENERGY GWH	305.1	99.0	108.4	97.6
--GARRISON--				
NAT INFLOW	1020	276	312	432
DEPLETION	-243	-118	-83	-42
CHAN STOR	-48	-38	-10	0
EVAPORATION	38	38		
REG INFLOW	3079	933	1061	1085
RELEASE	3272	1107	1138	1027
STOR CHANGE	-193	-174	-76	57
STORAGE	16170	15996	15920	15977
ELEV FTMSL	1830.9	1830.3	1830.0	1830.2
DISCH KCFS	20.8	18.0	18.5	18.5
POWER				
AVE POWER MW		215	220	220
PEAK POW MW		356	355	356
ENERGY GWH	471.4	159.8	163.7	147.9
--OAHE--				
NAT INFLOW	120		12	108
DEPLETION	60	13	18	29
CHAN STOR	10	12	-2	
EVAPORATION	36	36		
REG INFLOW	3305	1070	1129	1106
RELEASE	2552	1019	951	582
STOR CHANGE	754	51	178	525
STORAGE	15875	15926	16104	16629
ELEV FTMSL	1597.3	1597.5	1598.1	1600.0
DISCH KCFS	24.4	16.6	15.5	10.5
POWER				
AVE POWER MW		202	189	129
PEAK POW MW		653	656	666
ENERGY GWH	378.1	150.4	140.8	86.9
--BIG BEND--				
EVAPORATION	9	9		
REG INFLOW	2543	1010	951	582
RELEASE	2560	1027	951	582
STORAGE	1699	1682	1682	1682
ELEV FTMSL	1420.3	1420.0	1420.0	1420.0
DISCH KCFS	24.1	16.7	15.5	10.5
POWER				
AVE POWER MW		83	75	50
PEAK POW MW		538	537	529
ENERGY GWH	151.5	61.8	55.9	33.8
--FORT RANDALL--				
NAT INFLOW	96	12	24	60
DEPLETION	9	3	3	3
EVAPORATION	7	7		
REG INFLOW	2640	1029	972	639
RELEASE	1688	578	621	489
STOR CHANGE	952	451	351	150
STORAGE	2171	2622	2973	3123
ELEV FTMSL	1335.1	1342.9	1348.0	1350.0
DISCH KCFS	26.2	9.4	10.1	8.8
POWER				
AVE POWER MW		69	79	71
PEAK POW MW		301	324	331
ENERGY GWH	157.9	51.6	58.7	47.6
--GAVINS POINT--				
NAT INFLOW	414	144	120	150
DEPLETION	11	10	1	
CHAN STOR	33	31	-1	2
EVAPORATION	3	3		
REG INFLOW	2120	740	739	641
RELEASE	2146	740	739	667
STOR CHANGE	-26			-26
STORAGE	384	384	384	358
ELEV FTMSL	1207.0	1207.0	1207.0	1206.0
DISCH KCFS	28.8	12.0	12.0	12.0
POWER				
AVE POWER MW		43	43	42
PEAK POW MW		77	77	76
ENERGY GWH	92.3	31.9	31.9	28.5
--GAVINS POINT - SIOUX CITY--				
NAT INFLOW	192	48	42	102
DEPLETION	35	11	12	12
REGULATED FLOW AT SIOUX CITY				
KAF	2303	777	769	757
KCFS		12.6	12.5	13.6
--TOTAL--				
NAT INFLOW	3006	828	888	1290
DEPLETION	-366	-162	-148	-56
CHAN STOR	-5	6	-14	2
EVAPORATION	127	127		
STORAGE	50074	50165	50419	51010
SYSTEM POWER				
AVE POWER MW		745	752	658
PEAK POW MW		2127	2151	2159
ENERGY GWH	1556.3	554.5	559.4	442.3
DAILY GWH		17.9	18.0	15.8
	INI-SUM	31DEC	31JAN	28FEB

VALUES IN 1000 AF EXCEPT AS INDICATED

	30NOV00		2000	
	INI-SUM	31DEC	31JAN	28FEB
--FORT PECK--				
NAT INFLOW	776	232	252	292
DEPLETION	-89	-46	-36	-7
EVAPORATION	56	56		
MOD INFLOW	809	222	288	299
RELEASE	1724	553	615	555
STOR CHANGE	-915	-332	-327	-256
STORAGE	13775	13443	13116	12860
ELEV FTMSL	2228.0	2226.3	2224.5	2223.2
DISCH KCFS	6.3	9.0	10.0	10.0
POWER				
AVE POWER MW		120	132	131
PEAK POW MW		202	201	199
ENERGY GWH	275.5	89.1	98.3	88.2
--GARRISON--				
NAT INFLOW	680	184	208	288
DEPLETION	-85	-42	-31	-12
CHAN STOR	-38	-28	-10	
EVAPORATION	63	63		
REG INFLOW	2388	689	844	855
RELEASE	3065	1045	1076	944
STOR CHANGE	-678	-357	-232	-89
STORAGE	16170	15813	15581	15492
ELEV FTMSL	1830.9	1829.6	1828.8	1828.5
DISCH KCFS	20.8	17.0	17.5	17.0
POWER				
AVE POWER MW		203	207	200
PEAK POW MW		354	351	351
ENERGY GWH	439.5	150.7	154.0	134.7
--OAHE--				
NAT INFLOW	80		8	72
DEPLETION	60	13	18	29
CHAN STOR	17	17	-2	2
EVAPORATION	61	61		
REG INFLOW	3042	989	1064	989
RELEASE	2731	1083	996	653
STOR CHANGE	310	-94	68	337
STORAGE	15875	15781	15849	16185
ELEV FTMSL	1597.3	1596.9	1597.2	1598.4
DISCH KCFS	24.4	17.6	16.2	11.8
POWER				
AVE POWER MW		214	197	144
PEAK POW MW		650	652	658
ENERGY GWH	403.1	159.6	146.8	96.7
--BIG BEND--				
EVAPORATION	14	14		
REG INFLOW	2717	1068	996	653
RELEASE	2734	1085	996	653
STORAGE	1699	1682	1682	1682
ELEV FTMSL	1420.3	1420.0	1420.0	1420.0
DISCH KCFS	24.1	17.7	16.2	11.8
POWER				
AVE POWER MW		88	79	56
PEAK POW MW		538	537	529
ENERGY GWH	161.6	65.2	58.5	37.9
--FORT RANDALL--				
NAT INFLOW	64	8	16	40
DEPLETION	9	3	3	3
EVAPORATION	12	12		
REG INFLOW	2777	1078	1009	690
RELEASE	1824	627	658	539
STOR CHANGE	953	451	351	151
STORAGE	2171	2622	2973	3124
ELEV FTMSL	1335.1	1342.9	1348.0	1350.0
DISCH KCFS	26.2	10.2	10.7	9.7
POWER				
AVE POWER MW		75	84	78
PEAK POW MW		301	324	331
ENERGY GWH	170.6	55.9	62.1	52.5
--GAVINS POINT--				
NAT INFLOW	276	96	80	100
DEPLETION	11	10	1	
CHAN STOR	31	30	-1	2
EVAPORATION	5	5		
REG INFLOW	2115	738	736	641
RELEASE	2141	738	736	667
STOR CHANGE	-26			-26
STORAGE	384	384	384	358
ELEV FTMSL	1207.0	1207.0	1207.0	1206.0
DISCH KCFS	28.8	12.0	12.0	12.0
POWER				
AVE POWER MW		43	43	42
PEAK POW MW		77	77	76
ENERGY GWH	92.1	31.8	31.8	28.5
--GAVINS POINT - SIOUX CITY--				
NAT INFLOW	128	32	28	68
DEPLETION	35	11	12	12
REGULATED FLOW AT SIOUX CITY				
KAF	2234	759	752	723
KCFS		12.3	12.2	13.0
--TOTAL--				
NAT INFLOW	2004	552	592	860
DEPLETION	-59	-51	-33	25
CHAN STOR	10	19	-13	4
EVAPORATION	212	212		
STORAGE	50074	49726	49585	49702
SYSTEM POWER				
AVE POWER MW		742	741	653
PEAK POW MW		2122	2141	2144
ENERGY GWH	1542.4	552.3	551.5	438.5
DAILY GWH		17.8	17.8	15.7

	INI-SUM	31DEC	31JAN	28FEB

VALUES IN 1000 AF EXCEPT AS INDICATED

	28FEB01	2001										2002				
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB
--FORT PECK--																	
NAT INFLOW	9600	319	149	192	797	1604	2491	1219	456	379	531	210	98	112	346	297	400
DEPLETION	407	-12	-6	-7	48	279	635	135	-82	-108	-53	-18	-8	-10	-116	-155	-115
EVAPORATION	328							21	69	86	76	18	9	10	40		
MOD INFLOW	8865	332	155	199	749	1325	1856	1063	469	401	508	210	98	112	422	452	515
RELEASE	6246	208	97	134	446	492	708	584	584	417	336	143	67	159	615	646	611
STOR CHANGE	2619	123	57	65	303	833	1148	478	-115	-16	172	67	31	-47	-193	-194	-96
STORAGE	13241	13364	13422	13487	13789	14622	15770	16249	16134	16118	16290	16357	16389	16342	16149	15956	15860
ELEV FTMSL	2225.2	2225.9	2226.2	2226.5	2228.1	2232.2	2237.6	2239.7	2239.2	2239.1	2239.9	2240.2	2240.3	2240.1	2239.3	2238.4	2238.0
DISCH KCFS	11.0	7.0	7.0	7.5	7.5	8.0	11.9	9.5	9.5	7.0	5.5	4.8	4.8	10.0	10.0	10.5	11.0
POWER																	
AVE POWER MW		93	93	100	100	107	162	131	131	97	76	67	67	138	138	145	151
PEAK POW MW		202	202	203	204	207	211	213	212	212	213	213	213	213	212	212	211
ENERGY GWH	1034.0	33.4	15.6	21.5	71.9	80.0	116.6	97.4	97.6	69.7	56.3	24.0	11.2	26.6	102.8	107.7	101.7
--GARRISON--																	
NAT INFLOW	14199	515	240	309	1376	1934	3530	2647	841	574	652	260	121	139	278	348	434
DEPLETION	849	-32	-15	-19	-6	96	957	441	43	-114	7	-92	-43	-49	-132	-117	-77
CHAN STOR	0	41		-5	0	-5	-39	24		25	15	7	0	-52	0	-5	-5
EVAPORATION	347							23	75	92	79	19	9	10	41		
REG INFLOW	19249	797	353	457	1828	2325	3242	2791	1308	1037	917	482	222	285	984	1106	1117
RELEASE	17982	655	305	393	1428	1998	1874	1875	1845	1428	1173	508	237	286	1230	1414	1333
STOR CHANGE	1266	142	47	64	400	326	1367	915	-537	-391	-256	-26	-15	-1	-246	-309	-216
STORAGE	15977	16120	16167	16231	16631	16958	18325	19240	18703	18312	18056	18030	18015	18014	17768	17460	17244
ELEV FTMSL	1830.2	1830.7	1830.9	1831.1	1832.5	1833.6	1838.2	1841.1	1839.4	1838.2	1837.3	1837.2	1837.2	1837.2	1836.4	1835.3	1834.6
DISCH KCFS	18.5	22.0	22.0	22.0	24.0	32.5	31.5	30.5	30.0	24.0	19.1	17.1	17.1	18.0	20.0	23.0	24.0
POWER																	
AVE POWER MW		262	262	263	288	364	370	370	367	301	238	213	213	224	248	283	294
PEAK POW MW		357	358	358	362	366	379	389	383	379	376	376	376	376	374	371	369
ENERGY GWH	2629.0	94.2	44.1	56.7	207.1	270.7	266.7	275.4	272.9	216.4	177.2	76.6	35.7	43.0	184.5	210.6	197.3
--OAHE--																	
NAT INFLOW	3850	559	261	335	474	347	881	297	123	163	102	109	51	58	22	10	59
DEPLETION	542	21	10	13	44	60	114	129	84	21	-6	2	1	1	10	15	24
CHAN STOR	-26	-15	0	0	-8	-34	4	4	2	23	19	8		-4	-8	-12	-4
EVAPORATION	371							25	79	98	85	20	9	11	43		
REG INFLOW	20894	1177	556	715	1850	2251	2645	2022	1807	1494	1215	603	278	329	1191	1397	1364
RELEASE	18690	353	266	381	1308	1582	1774	1798	1937	1776	1376	664	307	507	1771	1621	1269
STOR CHANGE	2204	824	290	334	542	670	872	224	-130	-282	-162	-61	-30	-179	-581	-224	95
STORAGE	16629	17452	17743	18076	18618	19288	20160	20384	20254	19973	19811	19750	19721	19542	18961	18738	18833
ELEV FTMSL	1600.0	1602.9	1603.9	1605.0	1606.8	1608.9	1611.6	1612.3	1611.9	1611.0	1610.5	1610.4	1610.3	1609.7	1607.9	1607.2	1607.5
DISCH KCFS	10.5	11.9	19.1	21.4	22.0	25.7	29.8	29.2	31.5	29.8	22.4	22.3	22.1	32.0	28.8	26.4	22.8
POWER																	
AVE POWER MW		148	241	271	281	332	388	384	414	391	293	292	289	416	373	339	294
PEAK POW MW		681	686	692	701	713	727	730	728	724	721	720	720	717	707	703	705
ENERGY GWH	2935.6	53.4	40.5	58.4	202.1	246.7	279.7	286.0	308.1	281.8	218.2	105.0	48.6	79.8	277.4	252.4	197.5
--BIG BEND--																	
EVAPORATION	71							5	15	19	16	4	2	2	9		
REG INFLOW	18620	353	266	381	1308	1582	1774	1794	1922	1757	1360	660	306	505	1763	1621	1269
RELEASE	18620	353	266	381	1308	1582	1774	1794	1922	1757	1360	660	306	505	1763	1621	1269
STORAGE	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682
ELEV FTMSL	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
DISCH KCFS	10.5	11.9	19.1	21.4	22.0	25.7	29.8	29.2	31.3	29.5	22.1	22.2	22.0	31.8	28.7	26.4	22.8
POWER																	
AVE POWER MW		56	90	100	103	120	137	136	146	140	108	111	110	159	141	128	109
PEAK POW MW		517	509	509	509	509	496	505	509	517	538	538	538	538	538	538	529
ENERGY GWH	1072.8	20.3	15.1	21.6	74.1	89.6	98.8	101.1	108.8	100.8	80.5	39.9	18.5	30.4	104.8	95.1	73.6
--FORT RANDALL--																	
NAT INFLOW	1501	190	89	114	298	159	224	111	72	92	60	5	2	3	23	10	49
DEPLETION	80	1	1	1	4	9	12	18	15	7	1	1	0	1	3	3	3
EVAPORATION	82							6	19	24	19	4	2	2	8		
REG INFLOW	19958	542	354	494	1602	1732	1986	1881	1960	1819	1400	660	306	505	1775	1628	1315
RELEASE	19957	250	220	494	1602	1732	1831	1985	2011	1963	2002	989	461	527	1409	1371	1111
STOR CHANGE	1	292	134		0	0	155	-104	-51	-144	-602	-329	-155	-22	366	257	204
STORAGE	3123	3415	3549	3549	3549	3549	3704	3600	3549	3405	2803	2474	2319	2297	2663	2920	3124
ELEV FTMSL	1350.0	1353.6	1355.2	1355.2	1355.2	1355.2	1357.0	1355.8	1355.2	1353.5	1345.6	1340.6	1337.9	1337.5	1343.5	1347.2	1350.0
DISCH KCFS	8.8	8.4	15.8	27.7	26.9	28.2	30.8	32.3	32.7	33.0	32.6	33.2	33.2	33.2	22.9	22.3	20.0
POWER																	
AVE POWER MW		69	133	232	226	236	259	272	274	273	259	250	241	238	170	172	159
PEAK POW MW		346	352	352	352	352	359	355	352	345	312	289	278	276	304	320	332
ENERGY GWH	1955.5	25.0	22.3	50.1	162.4	175.4	186.5	202.5	203.7	196.9	193.0	90.1	40.5	45.7	126.2	128.3	107.0
--GAVINS POINT--																	
NAT INFLOW	2252	107	50	64	246	319	281	211	170	135	157	60	28	32	95	106	191
DEPLETION	114	0	0	0	5	19	24	39	10	-5	2	5	2	3	10	1	
CHAN STOR	-22	1	-14	-23	1	-2	-5	-3	-1	-1	1	-1	0	0	19	1	4
EVAPORATION	25							2	5	7	6	1	1	1	3		
REG INFLOW	22047	358	256	536	1844	2029	2083	2152	2165	2096	2152	1041	486	555	1510	1477	1306
RELEASE	22047	358	256	536	1844	2029	2083	2152	2152	2083	2152	1041	486	555	1510	1477	1332
STOR CHANGE									13	13							-26
STORAGE	358	358	358	358	358	358	358	358	371	384	384	384	384	384	384	384	358
ELEV FTMSL	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.5	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1206.0
DISCH KCFS	12.0	12.0	18.4	30.0	31.0	33.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	24.6	24.0	24.0
POWER																	
AVE POWER MW		42	64	101	103	108	112	112	112	113	114	114	114	114	78	78	77
PEAK POW MW		114	114	114	114	114	114	114	115	115	115	115	115	115	77	77	76
ENERGY GWH	864.9	15.2	10.7	21.8	74.3	80.1	80.5	83.2	83.5	81.6	84.6	41.0	19.1	21.8	57.8	57.8	51.9
--GAVINS POINT - SIOUX CITY--																	
NAT INFLOW	3100	195	91	117	1006	553	318	246	184	127	66	26	12	14	30	12	105
DEPLETION	237	6	3	3	19	34	29	36	32	21	9	5	2	3	11	12	12
REGULATED FLOW AT SIOUX CITY																	
KAF	24910	547	344	649	2831	2548	2372	2362	2304	2189	2209	1062	496	566	1529	1477	1425
KCFS		18.4	24.8	36.4	47.6	41.4	39.9	38.4	37.5	36.8	35.9	35.7	35.7	35.7	24.9	24.0	25.7
--TOTAL--																	
NAT INFLOW	34502	1885	879	1131	4197	4916	7725	4731	1846	1470	1568	670	312	357	794	783	1238
DEPLETION	2229	-16	-7	-10	114	497	1771	798	102	-178	-40	-97	-45	-52	-214	-241	-153
CHAN STOR	-49	27	-14	-28	-7	-41	-40	25	1	47	35	13	0	-56	12	-16	-5
EVAPORATION	1224							82	261	326	281	66	31	35	143		
STORAGE	51010	52391	52920	53383	54628	56457	59999	61513	60693	59874	59026	58678	58509	58261	57608	57139	57100
SYSTEM POWER																	
AVE POWER MW		671	883	1066	1100	1267	1429	1405	1444	1315	1088	1046	1034	1289	1147	1145	1085
PEAK POW MW		2217	2221	2228	2243	2260	2286	2305	2299	2293	2276	2252	2240	2235	2211	2221	2221
ENERGY GWH	10491.7	241.4	148.3	230.2	791.8	942.4	1028.8	1045.6	1074.6	947.1	809.7	376.5	173.7	247.4	853.5	851.9	729.0
DAILY GWH		16.1	21.2	25.6	26.4	30.4	34.3	33.7	34.7	31.6	26.1	25.1	24.8	30.9	27.5	27.5	26.0
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB

VALUES IN 1000 AF EXCEPT AS INDICATED

	28FEB01	2001												2002			
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB
--FORT PECK--																	
NAT INFLOW	8901	296	138	178	739	1487	2309	1130	423	351	492	195	91	104	321	276	371
DEPLETION	358	-12	-6	-7	48	279	635	138	-82	-108	-75	-28	-13	-15	-131	-161	-104
EVAPORATION	357							21	67	85	75	34	16	18	40		
MOD INFLOW	8186	308	144	185	691	1208	1674	971	438	374	492	189	88	101	412	437	475
RELEASE	5641	193	90	125	417	461	696	492	492	327	264	128	60	143	584	615	555
STOR CHANGE	2545	115	54	60	274	747	978	479	-54	47	228	61	29	-42	-172	-178	-80
STORAGE	13241	13356	13409	13469	13744	14491	15468	15947	15893	15940	16168	16229	16258	16216	16044	15866	15786
ELEV FTMSL	2225.2	2225.8	2226.1	2226.4	2227.8	2231.6	2236.2	2238.4	2238.1	2238.4	2239.4	2239.6	2239.8	2239.6	2238.8	2238.0	2237.7
DISCH KCFS	11.0	6.5	6.5	7.0	7.0	7.5	11.7	8.0	8.0	5.5	4.3	4.3	4.3	9.0	9.5	10.0	10.0
POWER																	
AVE POWER MW		86	86	93	93	101	159	110	110	76	59	59	59	124	131	138	137
PEAK POW MW		202	202	203	204	207	210	212	211	212	212	212	213	212	212	211	211
ENERGY GWH	932.0	31.0	14.5	20.1	67.1	74.9	114.3	81.8	82.0	54.6	44.1	21.4	10.0	23.9	97.6	102.4	92.4
--GARRISON--																	
NAT INFLOW	12901	482	225	289	1250	1723	3207	2405	764	522	593	236	110	126	260	316	394
DEPLETION	847	-30	-14	-18	-2	147	906	434	44	-111	12	-96	-45	-51	-134	-118	-78
CHAN STOR	10	46		-5		-5	-42	37		25	12	0		-47	-5	-5	
EVAPORATION	379							23	74	91	79	36	17	19	41		
REG INFLOW	17326	751	329	426	1669	2032	2955	2476	1138	894	777	424	198	254	932	1044	1027
RELEASE	16138	625	292	393	1369	1599	1666	1691	1660	1060	954	445	208	317	1230	1353	1277
STOR CHANGE	1188	126	37	34	300	433	1289	786	-522	-167	-177	-21	-10	-63	-297	-309	-250
STORAGE	15977	16103	16140	16174	16474	16907	18196	18981	18459	18293	18116	18095	18085	18022	17724	17416	17166
ELEV FTMSL	1830.2	1830.7	1830.8	1830.9	1832.0	1833.5	1837.8	1840.3	1838.6	1838.1	1837.5	1837.4	1837.4	1837.2	1836.2	1835.2	1834.4
DISCH KCFS	18.5	21.0	21.0	22.0	23.0	26.0	28.0	27.5	27.0	17.8	15.5	14.9	14.9	20.0	20.0	22.0	23.0
POWER																	
AVE POWER MW		250	250	262	275	311	337	340	336	223	194	187	187	249	248	271	281
PEAK POW MW		357	357	358	361	365	378	385	380	379	377	377	377	376	373	370	368
ENERGY GWH	2390.1	90.0	42.1	56.7	198.1	231.8	242.7	252.8	249.8	160.8	144.5	67.2	31.4	47.8	184.4	201.4	188.9
--OAHE--																	
NAT INFLOW	3200	460	214	276	394	285	749	246	103	135	85	91	42	48	18	5	49
DEPLETION	542	21	10	13	44	60	114	129	84	21	-6	2	1	1	10	15	24
CHAN STOR	-20	-11		-4	-4	-12	-8	2	2	36	9	2		-20	0	-8	-4
EVAPORATION	384							24	75	93	80	36	17	19	41		
REG INFLOW	18392	1053	496	652	1715	1812	2293	1786	1606	1118	975	500	232	325	1197	1335	1298
RELEASE	16270	533	126	328	1054	1455	1581	1840	1904	1675	1204	582	270	251	1290	1157	1021
STOR CHANGE	2122	519	370	324	661	356	713	-54	-298	-557	-229	-82	-37	75	-93	177	277
STORAGE	16629	17148	17518	17842	18502	18859	19571	19517	19219	18662	18434	18352	18314	18389	18296	18473	18751
ELEV FTMSL	1600.0	1601.9	1603.1	1604.2	1606.4	1607.6	1609.8	1609.7	1608.7	1606.9	1606.2	1605.9	1605.8	1606.1	1605.8	1606.3	1607.2
DISCH KCFS	10.5	17.9	9.1	18.4	17.7	23.7	26.6	29.9	31.0	28.1	19.6	19.6	19.4	15.8	21.0	18.8	18.4
POWER																	
AVE POWER MW		223	114	232	226	304	344	389	401	362	251	250	248	202	268	241	236
PEAK POW MW		675	682	688	699	705	717	716	711	702	698	697	696	697	696	699	704
ENERGY GWH	2529.1	80.3	19.2	50.1	162.5	226.1	247.5	289.3	298.4	261.0	186.8	90.1	41.7	38.8	199.3	179.1	158.7
--BIG BEND--																	
EVAPORATION	78							5	15	19	16	7	3	4	9		
REG INFLOW	16193	533	126	328	1054	1455	1581	1835	1889	1656	1187	575	266	247	1281	1157	1021
RELEASE	16193	533	126	328	1054	1455	1581	1835	1889	1656	1187	575	266	247	1281	1157	1021
STORAGE	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682
ELEV FTMSL	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
DISCH KCFS	10.5	17.9	9.1	18.4	17.7	23.7	26.6	29.8	30.7	27.8	19.3	19.3	19.2	15.6	20.8	18.8	18.4
POWER																	
AVE POWER MW		84	42	86	83	111	124	140	144	132	95	97	96	78	103	92	88
PEAK POW MW		510	509	509	509	509	509	509	509	517	538	538	538	538	538	538	529
ENERGY GWH	934.0	30.3	7.1	18.6	59.7	82.4	89.5	103.9	107.0	95.0	70.4	34.9	16.2	15.1	76.4	68.2	59.3
--FORT RANDALL--																	
NAT INFLOW	1200	142	66	85	239	150	195	89	65	64	38	3	1	1	18	5	39
DEPLETION	80	1	1	1	4	9	12	18	15	7	1	1	0	1	3	3	3
EVAPORATION	88							6	19	24	19	7	3	3	8		
REG INFLOW	17225	674	191	412	1289	1596	1764	1900	1920	1690	1206	569	264	245	1288	1159	1057
RELEASE	17224	265	174	412	1289	1596	1764	1900	1920	1834	1836	879	410	267	922	922	833
STOR CHANGE	1	409	17		0	0	0	0	0	-144	-630	-310	-146	-22	366	237	224
STORAGE	3123	3532	3549	3549	3549	3549	3549	3549	3549	3405	2775	2465	2319	2297	2663	2900	3124
ELEV FTMSL	1350.0	1355.0	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1353.5	1345.2	1340.4	1337.9	1337.5	1343.5	1347.0	1350.0
DISCH KCFS	8.8	8.9	12.6	23.1	21.7	26.0	29.6	30.9	31.2	30.8	29.9	29.5	29.6	16.8	15.0	15.0	15.0
POWER																	
AVE POWER MW		74	106	194	182	218	248	258	261	256	238	222	215	122	112	116	120
PEAK POW MW		351	352	352	352	352	352	352	352	345	310	289	278	276	304	319	332
ENERGY GWH	1695.0	26.6	17.8	41.9	131.0	161.9	178.5	192.2	194.2	184.2	176.9	80.0	36.2	23.4	83.1	86.7	80.5
--GAVINS POINT--																	
NAT INFLOW	1899	93	44	56	207	257	237	178	144	114	132	51	24	27	86	89	161
DEPLETION	114	0	0	0	5	19	24	39	10	-5	2	5	2	3	10	1	
CHAN STOR	-13	0	-7	-20	3	-8	-7	-2	-1	1	2	1	0	24	3		
EVAPORATION	28							2	5	7	6	3	1	1	3		
REG INFLOW	18968	359	211	448	1493	1826	1970	2035	2048	1947	1961	922	430	313	999	1010	994
RELEASE	18968	359	211	448	1493	1826	1970	2035	2035	1934	1961	922	430	313	999	1010	1020
STOR CHANGE									13	13							-26
STORAGE	358	358	358	358	358	358	358	358	371	384	384	384	384	384	384	384	358
ELEV FTMSL	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.5	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1206.0
DISCH KCFS	12.0	12.0	15.2	25.1	25.1	29.7	33.1	33.1	33.1	32.5	31.9	31.0	31.0	19.8	16.2	16.4	18.4
POWER																	
AVE POWER MW		42	53	86	86	100	108	108	108	108	107	105	105	70	58	58	64
PEAK POW MW		114	114	114	114	114	114	114	115	115	115	115	115	115	77	77	76
ENERGY GWH	773.0	15.2	8.9	18.6	61.9	74.5	77.6	80.2	80.6	77.7	79.7	37.8	17.6	13.4	42.8	43.3	43.2
--GAVINS POINT - SIOUX CITY--																	
NAT INFLOW	2500	181	85	109	811	406	252	199	148	97	53	21	10	11	24	10	84
DEPLETION	237	6	3	3	19	34	29	36	32	21	9	5	2	3	11	12	12
REGULATED FLOW AT SIOUX CITY																	
KAF	21231	534	293	554	2285	2198	2193	2198	2151	2010	2005	938	438	322	1012	1008	1092
KCFS		18.0	21.1	31.0	38.4	35.8	36.8	35.8	35.0	33.8	32.6	31.5	31.5	20.3	16.5	16.4	19.7
--TOTAL--																	
NAT INFLOW	30601	1654	772	992	3640	4308	6949	4247	1647	1283	1393	595	278	317	727	701	1098
DEPLETION	2178	-14	-6	-8	118	548	1720	794	103	-175	-57	-112	-52	-59	-231	-248	-143
CHAN STOR	-22	35	-7	-29	-1	-25	-57	36	1	61	23	3	0	-43	-2	-13	-4
EVAPORATION	1314							80	255	318	275	123	57	65	141		
STORAGE	51010	52179	52657	53074	54309	55845	58824	60035	59174	58365	57558	57207	57042	56989	56793	56721	56866
SYSTEM POWER																	
AVE POWER MW		759	653	953	945	1145	1320	1344	1360	1157	944	921	911	845	919	915	927
PEAK POW MW		2210	2217	2223	2239	2252	2280	2288	2279	2270	2251	2228	2216	2215	2199	2214	2218
ENERGY GWH	9253.3	273.3	109.6	205.9	680.4	851.6	950.3	1000.2	1011.9	833.3	702.4	331.4	153.0	162.3	683.7	681.1	622.9
DAILY GWH		18.2	15.7	22.9	22.7	27.5	31.7	32.3	32.6	27.8	22.7	22.1	21.9	20.3	22.1	22.0	22.2
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB

VALUES IN 1000 AF EXCEPT AS INDICATED

	28FEB01	2001												2002		
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB
--FORT PECK--																	
NAT INFLOW	7400	264	123	158	628	1210	1851	829	324	319	398	188	88	100	310	261	349
DEPLETION	316	0	0	0	81	230	580	148	-85	-136	-60	-32	-15	-17	-121	-155	-104
EVAPORATION	440							26	84	105	92	42	20	22	48		
MOD INFLOW	6644	264	123	158	547	980	1271	655	325	350	366	177	83	94	383	416	453
RELEASE	5692	179	69	89	387	430	696	492	492	345	267	149	111	143	615	646	583
STOR CHANGE	952	85	54	69	160	550	575	163	-167	5	99	28	-28	-48	-232	-230	-130
STORAGE	13018	13103	13157	13226	13386	13936	14510	14673	14506	14511	14610	14638	14610	14561	14329	14100	13970
ELEV FTMSL	2224.0	2224.5	2224.8	2225.1	2226.0	2228.8	2231.7	2232.5	2231.7	2231.7	2232.2	2232.3	2232.2	2231.9	2230.8	2229.6	2229.0
DISCH KCFS	11.0	6.0	5.0	5.0	6.5	7.0	11.7	8.0	8.0	5.8	4.3	5.0	8.0	9.0	10.0	10.5	10.5
POWER																	
AVE POWER MW		79	66	66	86	93	157	108	108	78	59	68	108	122	135	141	141
PEAK POW MW		201	201	201	202	204	207	207	207	207	207	207	207	207	206	205	205
ENERGY GWH	924.8	28.5	11.1	14.3	62.0	69.4	113.0	80.5	80.5	56.4	43.8	24.4	18.2	23.3	100.3	104.9	94.4
--GARRISON--																	
NAT INFLOW	11001	469	219	282	853	1423	2958	2066	581	497	454	192	89	102	253	237	326
DEPLETION	971	26	12	16	-18	196	799	478	37	-115	9	-95	-44	-50	-119	-99	-62
CHAN STOR	5	51	10		-15	-5	-48	37		22	14	-7	-30	-10	-10	-5	
EVAPORATION	484							30	94	117	101	45	21	24	52		
REG INFLOW	15243	673	286	355	1242	1652	2807	2087	942	862	625	383	193	261	925	977	971
RELEASE	14759	595	236	303	1131	1445	1488	1445	1414	997	887	429	243	286	1230	1353	1277
STOR CHANGE	484	78	50	52	112	207	1320	642	-472	-136	-262	-46	-50	-24	-305	-376	-306
STORAGE	15735	15813	15863	15915	16027	16234	17554	18196	17724	17588	17327	17280	17231	17206	16901	16525	16219
ELEV FTMSL	1829.3	1829.6	1829.8	1830.0	1830.4	1831.1	1835.7	1837.8	1836.2	1835.8	1834.9	1834.7	1834.6	1834.5	1833.4	1832.1	1831.1
DISCH KCFS	17.5	20.0	17.0	17.0	19.0	23.5	25.0	23.5	23.0	16.8	14.4	14.4	17.5	18.0	20.0	22.0	23.0
POWER																	
AVE POWER MW		237	202	202	226	280	303	291	285	207	178	177	214	220	244	266	275
PEAK POW MW		354	354	355	356	358	372	378	373	372	369	369	368	368	365	361	358
ENERGY GWH	2167.5	85.2	33.9	43.7	162.7	208.2	217.8	216.3	212.1	149.2	132.3	63.8	36.0	42.3	181.2	197.7	185.1
--OAHE--																	
NAT INFLOW	2300	317	148	190	364	236	689	162	33	118	14	5	2	3	-20		40
DEPLETION	542	21	10	13	44	60	114	129	84	21	-6	2	1	1	10	15	24
CHAN STOR	-24	-11	13		-8	-19	-6	6	2	26	10	0	-13	-2	-9	-9	-4
EVAPORATION	458							29	90	111	95	42	20	22	49		
REG INFLOW	16035	879	387	481	1442	1602	2056	1455	1275	1010	822	390	211	263	1142	1329	1289
RELEASE	15225	436	246	327	1197	1462	1529	1816	1829	1619	1120	529	244	203	1051	972	645
STOR CHANGE	810	444	141	153	245	141	527	-361	-553	-609	-298	-139	-32	59	91	357	644
STORAGE	16367	16811	16951	17105	17350	17490	18018	17657	17103	16494	16196	16057	16025	16084	16176	16533	17177
ELEV FTMSL	1599.1	1600.7	1601.2	1601.7	1602.6	1603.0	1604.8	1603.6	1601.7	1599.6	1598.5	1598.0	1597.9	1598.1	1598.4	1599.7	1602.0
DISCH KCFS	11.1	14.6	17.7	18.3	20.1	23.8	25.7	29.5	29.7	27.2	18.2	17.8	17.6	12.8	17.1	15.8	11.6
POWER																	
AVE POWER MW		181	220	229	252	298	324	373	372	337	224	218	215	157	210	195	145
PEAK POW MW		669	672	674	679	681	691	684	674	663	658	655	655	656	657	664	676
ENERGY GWH	2294.6	65.3	37.0	49.4	181.3	221.9	233.4	277.4	276.8	242.6	166.8	78.5	36.1	30.2	155.9	144.9	97.2
--BIG BEND--																	
EVAPORATION	103							6	20	25	22	10	5	5	11		
REG INFLOW	15122	436	246	327	1197	1462	1529	1810	1809	1595	1098	520	239	198	1040	972	645
RELEASE	15122	436	246	327	1197	1462	1529	1810	1809	1595	1098	520	239	198	1040	972	645
STORAGE	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682
ELEV FTMSL	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
DISCH KCFS	11.1	14.6	17.7	18.3	20.1	23.8	25.7	29.4	29.4	26.8	17.9	17.5	17.2	12.5	16.9	15.8	11.6
POWER																	
AVE POWER MW		69	83	86	94	111	120	138	138	127	88	88	87	63	84	77	56
PEAK POW MW		517	509	509	509	509	509	509	509	517	538	538	538	538	538	537	529
ENERGY GWH	871.3	25.0	13.9	18.5	67.8	82.8	86.6	102.5	102.4	91.4	65.2	31.6	14.6	12.1	62.2	57.1	37.5
--FORT RANDALL--																	
NAT INFLOW	900	122	57	73	115	140	185	74	57	42	2	2	1	1	10		19
DEPLETION	80	1	1	1	4	9	12	18	15	7	1	1	0	1	3	3	3
EVAPORATION	118							8	25	31	25	10	4	4	10		
REG INFLOW	15825	557	302	400	1308	1593	1702	1858	1826	1598	1074	511	236	194	1036	969	661
RELEASE	15824	265	168	400	1308	1593	1702	1858	1826	1742	1711	815	381	216	670	658	511
STOR CHANGE	1	292	134					0	0	-144	-637	-304	-145	-22	366	311	150
STORAGE	3123	3415	3549	3549	3549	3549	3549	3549	3549	3405	2768	2464	2319	2297	2663	2974	3124
ELEV FTMSL	1350.0	1353.6	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1353.5	1345.1	1340.4	1337.9	1337.5	1343.5	1348.0	1350.0
DISCH KCFS	9.2	8.9	12.1	22.4	22.0	25.9	28.6	30.2	29.7	29.3	27.8	27.4	27.4	13.6	10.9	10.7	9.2
POWER																	
AVE POWER MW		73	102	188	185	217	239	253	248	243	222	206	200	99	81	84	74
PEAK POW MW		346	352	352	352	352	352	352	352	345	310	289	278	276	303	324	331
ENERGY GWH	1563.5	26.4	17.1	40.6	133.0	161.5	172.4	188.0	184.8	175.1	165.1	74.2	33.6	19.0	60.6	62.3	49.8
--GAVINS POINT--																	
NAT INFLOW	1450	92	43	55	148	174	166	86	103	77	122	50	23	27	77	79	127
DEPLETION	114	0	0	0	5	19	24	39	10	-5	2	5	2	3	10	1	
CHAN STOR	-1	1	-6	-20	1	-8	-5	-3	1	1	3	1	0	26	5	0	3
EVAPORATION	37							2	7	9	8	4	2	2	4		
REG INFLOW	17122	358	206	436	1452	1740	1839	1900	1913	1816	1826	857	400	264	738	736	641
RELEASE	17122	358	206	436	1452	1740	1839	1900	1900	1803	1826	857	400	264	738	736	667
STOR CHANGE									13	13							-26
STORAGE	358	358	358	358	358	358	358	358	371	384	384	384	384	384	384	384	358
ELEV FTMSL	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.5	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1206.0
DISCH KCFS	12.0	12.0	14.8	24.4	24.4	28.3	30.9	30.9	30.9	30.3	29.7	28.8	28.8	16.7	12.0	12.0	12.0
POWER																	
AVE POWER MW		42	52	84	84	96	103	103	103	103	102	100	100	59	43	43	42
PEAK POW MW		114	114	114	114	114	114	114	115	115	115	115	115	115	77	77	76
ENERGY GWH	707.6	15.2	8.7	18.1	60.3	71.7	74.1	76.6	76.9	74.1	75.9	35.9	16.8	11.3	31.8	31.8	28.5
--GAVINS POINT - SIOUX CITY--																	
NAT INFLOW	1550	169	79	102	199	310	224	129	96	60	42	16	7	9	21	5	82
DEPLETION	237	6	3	3	19	34	29	36	32	21	9	5	2	3	11	12	12
REGULATED FLOW AT SIOUX CITY																	
KAF	18435	522	282	534	1632	2016	2034	1993	1964	1842	1859	868	405	270	748	729	737
KCFS		17.5	20.3	29.9	27.4	32.8	34.2	32.4	31.9	31.0	30.2	29.2	29.2	17.0	12.2	11.9	13.3
--TOTAL--																	
NAT INFLOW	24601	1435	669	860	2307	3493	6073	3346	1194	1113	1032	452	211	241	651	582	943
DEPLETION	2260	55	26	33	135	548	1558	848	93	-207	-45	-114	-53	-61	-206	-223	-127
CHAN STOR	-20	41	17	-20	-23	-31	-59	40	3	49	27	-6	-44	14	-14	-13	-2
EVAPORATION	1640							101	319	398	343	153	71	80	175		
STORAGE	50283	51182	51560	51834	52352	53249	55671	56115	54935	54065	52967	52506	52250	52215	52135	52197	52529
SYSTEM POWER																	
AVE POWER MW		682	725	855	926	1096	1246	1265	1255	1096	872	857	924	720	796	805	733
PEAK POW MW		2200	2202	2206	2212	2219	2244	2245	2230	2219	2197	2173	2161	2160	2147	2168	2175
ENERGY GWH	8529.4	245.6	121.8	184.6	667.1	815.5	897.3	941.2	933.5	788.9	649.0	308.4	155.2	138.2	592.0	598.6	492.5
DAILY GWH		16.4	17.4	20.5	22.2	26.3	29.9	30.4	30.1	26.3	20.9	20.6	22.2	17.3	19.1	19.3	17.6

INI-SUM 15MAR 22MAR 31MAR 30APR 31MAY 30JUN 31JUL 31AUG 30SEP 31OCT 15NOV 22NOV 30NOV 31DEC 31JAN 28FEB

VALUES IN 1000 AF EXCEPT AS INDICATED

	28 FEB01	2001												2002		
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB
--FORT PECK--																	
NAT INFLOW	6000	242	113	145	525	925	1454	633	263	252	324	167	78	89	295	212	283
DEPLETION	493	15	7	9	86	227	311	206	16	-36	-49	-21	-10	-11	-88	-103	-65
EVAPORATION	503							31	97	121	105	47	22	25	54		
MOD INFLOW	5004	227	106	136	439	698	1143	396	150	167	268	141	66	75	329	315	348
RELEASE	5728	179	69	89	387	461	506	523	523	347	311	179	111	143	615	676	611
STOR CHANGE	-724	49	37	47	52	237	637	-127	-373	-180	-43	-38	-45	-68	-286	-361	-263
STORAGE	12860	12909	12946	12993	13045	13282	13919	13792	13419	13240	13197	13159	13114	13046	12760	12399	12136
ELEV FTMSL	2223.2	2223.4	2223.6	2223.9	2224.2	2225.4	2228.7	2228.1	2226.1	2225.2	2225.0	2224.8	2224.5	2224.2	2222.6	2220.6	2219.2
DISCH KCFS	10.0	6.0	5.0	5.0	6.5	7.5	8.5	8.5	8.5	5.8	5.1	6.0	8.0	9.0	10.0	11.0	11.0
POWER																	
AVE POWER MW		79	66	66	86	99	113	114	113	77	67	79	105	118	131	143	142
PEAK POW MW		199	200	200	200	202	204	204	202	201	201	201	201	200	199	197	195
ENERGY GWH	912.2	28.4	11.0	14.2	61.6	73.6	81.4	84.5	84.1	55.6	49.7	28.6	17.7	22.7	97.4	106.3	95.2
--GARRISON--																	
NAT INFLOW	9400	443	207	266	712	1197	2521	1765	496	417	400	164	76	87	222	165	262
DEPLETION	1053	16	8	10	54	150	584	383	52	-85	52	-58	-27	-31	-37	-20	1
CHAN STOR	-10	41	10		-15	-10	-10	0		27	8	-10	-20	-10	-10	-10	0
EVAPORATION	584							36	113	141	122	55	26	29	63		
REG INFLOW	13481	647	279	345	1029	1498	2433	1869	854	735	544	335	168	221	801	851	872
RELEASE	14345	565	208	268	1190	1353	1369	1383	1353	934	863	418	264	317	1230	1353	1277
STOR CHANGE	-864	81	71	77	-161	145	1064	485	-499	-199	-319	-83	-96	-96	-429	-502	-405
STORAGE	15492	15574	15644	15722	15561	15706	16770	17255	16756	16557	16238	16155	16060	15964	15535	15033	14628
ELEV FTMSL	1828.5	1828.8	1829.0	1829.3	1828.7	1829.2	1833.0	1834.7	1832.9	1832.3	1831.1	1830.8	1830.5	1830.2	1828.6	1826.8	1825.3
DISCH KCFS	17.0	19.0	15.0	15.0	20.0	22.0	23.0	22.5	22.0	15.7	14.0	14.0	19.0	20.0	20.0	22.0	23.0
POWER																	
AVE POWER MW		224	177	178	236	259	275	273	267	190	169	168	227	238	237	257	266
PEAK POW MW		351	352	353	351	353	364	369	364	362	358	357	356	356	351	346	341
ENERGY GWH	2064.1	80.5	29.8	38.4	169.9	192.8	197.7	203.4	198.9	136.8	125.9	60.6	38.1	45.7	176.0	191.2	178.4
--OAHE--																	
NAT INFLOW	1449	154	72	92	229	130	577	102	24	65	9				-35	-6	36
DEPLETION	542	21	10	13	44	60	114	129	84	21	-6	2	1	1	10	15	24
CHAN STOR	-28	-9	17	0	-22	-9	-4	2	2	28	8	0	-23	-5	0	-9	-5
EVAPORATION	523							34	103	126	108	48	22	26	56		
REG INFLOW	14701	689	287	347	1353	1414	1827	1325	1192	880	778	368	217	286	1129	1322	1285
RELEASE	15621	470	295	422	1415	1620	1519	1787	1787	1596	1084	475	220	196	1067	950	716
STOR CHANGE	-920	219	-8	-75	-62	-206	308	-462	-596	-716	-306	-107	-2	90	61	372	569
STORAGE	16185	16404	16396	16322	16260	16054	16361	15900	15304	14588	14282	14175	14173	14262	14324	14696	15265
ELEV FTMSL	1598.4	1599.2	1599.2	1598.9	1598.7	1598.0	1599.1	1597.4	1595.1	1592.3	1591.1	1590.7	1590.7	1591.0	1591.3	1592.8	1595.0
DISCH KCFS	11.8	15.8	21.3	23.6	23.8	26.4	25.5	29.1	29.1	26.8	17.6	16.0	15.8	12.4	17.4	15.5	12.9
POWER																	
AVE POWER MW		195	262	291	292	322	313	355	351	320	208	188	186	146	205	183	154
PEAK POW MW		661	661	660	659	655	661	652	641	628	622	619	619	621	622	630	641
ENERGY GWH	2281.4	70.0	44.0	62.8	210.2	239.7	225.1	264.0	261.2	230.2	155.1	67.6	31.3	28.0	152.2	136.3	103.8
--BIG BEND--																	
EVAPORATION	129							8	24	31	27	12	6	7	14		
REG INFLOW	15492	470	295	422	1415	1620	1519	1779	1763	1565	1057	463	214	190	1053	950	716
RELEASE	15492	470	295	422	1415	1620	1519	1779	1763	1565	1057	463	214	190	1053	950	716
STORAGE	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682
ELEV FTMSL	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
DISCH KCFS	11.8	15.8	21.3	23.6	23.8	26.4	25.5	28.9	28.7	26.3	17.2	15.5	15.4	12.0	17.1	15.5	12.9
POWER																	
AVE POWER MW		75	100	111	111	123	120	135	134	125	84	78	78	60	85	75	62
PEAK POW MW		517	510	509	509	509	509	509	509	517	538	538	538	538	538	538	529
ENERGY GWH	892.1	27.0	16.7	23.9	80.2	91.8	86.1	100.8	99.8	89.8	62.8	28.2	13.0	11.6	63.0	56.0	41.6
--FORT RANDALL--																	
NAT INFLOW	500	68	32	41	64	51	130	26	49	23	1				5	-5	15
DEPLETION	80	1	1	1	4	9	12	18	15	7	1	1	0	1	3	3	3
EVAPORATION	147							10	32	39	31	12	5	5	13		
REG INFLOW	15766	537	326	462	1475	1662	1637	1777	1765	1542	1026	450	208	184	1042	942	728
RELEASE	15766	265	191	445	1475	1662	1637	1777	1765	1686	1663	754	353	206	676	670	539
STOR CHANGE	0	272	136	17				0	0	-144	-637	-304	-145	-22	366	272	189
STORAGE	3124	3396	3532	3549	3549	3549	3549	3549	3549	3405	2768	2464	2319	2297	2663	2935	3124
ELEV FTMSL	1350.0	1353.4	1355.0	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1353.5	1345.1	1340.4	1337.9	1337.5	1343.5	1347.5	1350.0
DISCH KCFS	9.7	8.9	13.7	24.9	24.8	27.0	27.5	28.9	28.7	28.3	27.0	25.3	25.5	13.0	11.0	10.9	9.7
POWER																	
AVE POWER MW		73	115	209	208	226	230	242	240	236	216	191	186	94	82	85	78
PEAK POW MW		345	351	352	352	352	352	352	352	345	310	288	277	276	303	321	331
ENERGY GWH	1558.7	26.4	19.3	45.1	149.7	168.5	165.9	180.0	178.7	169.6	160.5	68.8	31.2	18.1	61.1	63.3	52.4
--GAVINS POINT--																	
NAT INFLOW	1251	91	43	55	124	138	143	81	80	58	105	47	22	25	70	68	101
DEPLETION	114	0	0	0	5	19	24	39	10	-5	2	5	2	3	10	1	
CHAN STOR	-1	2	-9	-21	0	-4	-1	-3	0	1	2	3	0	23	4	0	2
EVAPORATION	47							3	9	11	10	5	2	2	5		
REG INFLOW	16855	358	224	479	1595	1777	1755	1814	1827	1739	1759	794	371	250	735	737	642
RELEASE	16855	358	224	479	1595	1777	1755	1814	1814	1726	1759	794	371	250	735	737	668
STOR CHANGE									13	13							-26
STORAGE	358	358	358	358	358	358	358	358	371	384	384	384	384	384	384	384	358
ELEV FTMSL	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.5	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1206.0
DISCH KCFS	12.0	12.0	16.2	26.8	26.8	28.9	29.5	29.5	29.5	29.0	28.6	26.7	26.7	15.7	12.0	12.0	12.0
POWER																	
AVE POWER MW		42	56	92	92	98	100	100	100	100	99	93	93	56	43	43	43
PEAK POW MW		114	114	114	114	114	114	114	115	115	115	115	115	115	77	77	76
ENERGY GWH	701.4	15.2	9.4	19.8	65.9	73.1	71.8	74.1	74.5	71.9	73.9	33.5	15.6	10.7	31.7	31.8	28.6
--GAVINS POINT - SIOUX CITY--																	
NAT INFLOW	900	115	54	69	90	174	125	75	56	35	24	13	6	7	13	-3	48
DEPLETION	237	6	3	3	19	34	29	36	32	21	9	5	2	3	11	12	12
REGULATED FLOW AT SIOUX CITY																	
KAF	17518	468	275	544	1666	1917	1851	1853	1838	1740	1774	802	374	254	737	722	704
KCFS		15.7	19.8	30.5	28.0	31.2	31.1	30.1	29.9	29.2	28.8	27.0	27.0	16.0	12.0	11.7	12.7
--TOTAL--																	
NAT INFLOW	19500	1114	520	668	1744	2615	4950	2682	968	850	863	390	182	208	570	431	745
DEPLETION	2519	59	28	35	212	499	1074	811	209	-77	9	-66	-31	-35	-91	-92	-25
CHAN STOR	-39	34	18	-21	-37	-23	-16	0	3	56	18	-6	-44	9	-6	-19	-2
EVAPORATION	1933							121	378	469	403	179	83	94	205		
STORAGE	49702	50323	50558	50625	50455	50630	52639	52536	51082	49856	48551	48019	47731	47635	47348	47129	47192
SYSTEM POWER																	
AVE POWER MW		687	776	945	1024	1128	1150	1219	1206	1047	844	798	875	713	782	786	744
PEAK POW MW		2189	2189	2188	2186	2185	2204	2200	2183	2168	2144	2120	2107	2106	2090	2108	2113
ENERGY GWH	8409.9	247.5	130.3	204.2	737.4	839.5	827.9	906.7	897.3	753.9	627.9	287.2	146.9	136.9	581.5	584.8	499.9
DAILY GWH		16.5	18.6	22.7	24.6	27.1	27.6	29.2	28.9	25.1	20.3	19.1	21.0	17.1	18.8	18.9	17.9

INI-SUM 15MAR 22MAR 31MAR 30APR 31MAY 30JUN 31JUL 31AUG 30SEP 31OCT 15NOV 22NOV 30NOV 31DEC 31JAN 28FEB

	28FEB01		2001										2002			
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB
--FORT PECK--																	
NAT INFLOW	5100	234	109	140	515	783	996	439	253	242	320	159	74	85	271	205	275
DEPLETION	406	15	7	9	86	227	311	141	-5	-64	-77	-20	-9	-11	-78	-79	-46
EVAPORATION	488							30	94	117	102	46	21	24	53		
MOD INFLOW	4206	220	102	132	429	556	685	268	164	189	295	132	62	71	296	284	321
RELEASE	5562	179	69	89	387	430	476	492	492	293	262	179	111	143	615	707	639
STOR CHANGE	-1356	41	33	43	42	126	209	-224	-328	-104	33	-46	-49	-72	-319	-423	-318
STORAGE	12860	12901	12934	12977	13019	13145	13354	13130	12802	12698	12731	12685	12636	12564	12245	11822	11504
ELEV FTMSL	2223.2	2223.4	2223.6	2223.8	2224.0	2224.7	2225.8	2224.6	2222.8	2222.3	2222.5	2222.2	2221.9	2221.5	2219.8	2217.4	2215.6
DISCH KCFS	10.0	6.0	5.0	5.0	6.5	7.0	8.0	8.0	8.0	4.9	4.3	6.0	8.0	9.0	10.0	11.5	11.5
POWER																	
AVE POWER MW		79	66	66	86	92	106	106	105	64	56	78	104	117	129	147	146
PEAK POW MW		199	200	200	200	201	202	201	199	198	198	198	198	198	196	192	190
ENERGY GWH	876.6	28.4	11.0	14.2	61.6	68.6	76.1	78.7	78.2	46.4	41.5	28.2	17.5	22.5	96.2	109.5	97.9
--GARRISON--																	
NAT INFLOW	7299	270	126	162	700	903	2020	1277	361	277	390	161	75	86	108	160	223
DEPLETION	783	16	8	10	54	150	484	298	22	-103	40	-61	-28	-32	-39	-26	-10
CHAN STOR	-16	41	10		-16	-5	-10			32	7	-18	-21	-10	-10	-16	
EVAPORATION	564							35	109	136	118	53	25	28	60		
REG INFLOW	11499	473	198	241	1017	1178	2002	1436	721	568	501	329	169	223	692	877	872
RELEASE	13131	565	208	268	952	1261	1220	1230	1199	882	756	366	236	301	1230	1291	1166
STOR CHANGE	-1632	-92	-10	-26	65	-82	782	206	-478	-314	-254	-36	-67	-79	-538	-414	-295
STORAGE	15492	15400	15390	15364	15429	15347	16128	16335	15857	15544	15289	15253	15186	15107	14569	14155	13860
ELEV FTMSL	1828.5	1828.1	1828.1	1828.0	1828.2	1827.9	1830.7	1831.5	1829.8	1828.7	1827.7	1827.6	1827.3	1827.1	1825.0	1823.5	1822.3
DISCH KCFS	17.0	19.0	15.0	15.0	16.0	20.5	20.5	20.0	19.5	14.8	12.3	12.3	17.0	19.0	20.0	21.0	21.0
POWER																	
AVE POWER MW		223	176	176	188	240	242	239	233	176	145	144	199	222	231	240	238
PEAK POW MW		350	349	349	350	349	357	359	354	351	348	348	347	346	340	336	332
ENERGY GWH	1860.3	80.4	29.7	38.1	135.5	178.8	174.4	178.0	173.0	126.5	107.8	52.0	33.4	42.6	172.1	178.5	159.7
--OAHE--																	
NAT INFLOW	1049	197	92	118	183	100	215	82	21	64	5	-5	-2	-3	-48	-12	41
DEPLETION	542	21	10	13	44	60	114	129	84	21	-6	2	1	1	10	15	24
CHAN STOR	-19	-9	17	0	-4	-20		2	2	22	12		-23	-10	-5	-5	
EVAPORATION	504							32	99	121	104	47	22	25	55		
REG INFLOW	13115	733	308	373	1087	1281	1321	1153	1040	826	675	312	189	263	1112	1259	1183
RELEASE	14824	474	316	431	1434	1599	1450	1719	1718	1377	791	510	99	141	998	775	994
STOR CHANGE	-1709	259	-8	-57	-347	-318	-129	-566	-678	-551	-116	-197	89	123	115	484	190
STORAGE	16186	16445	16437	16380	16033	15714	15585	15019	14341	13790	13674	13476	13566	13689	13803	14288	14477
ELEV FTMSL	1598.4	1599.4	1599.3	1599.1	1597.9	1596.7	1596.2	1594.0	1591.4	1589.1	1588.6	1587.8	1588.2	1588.7	1589.2	1591.1	1591.9
DISCH KCFS	11.7	15.9	22.8	24.1	24.1	26.0	24.4	28.0	27.9	23.1	12.9	17.1	7.1	8.9	16.2	12.6	17.9
POWER																	
AVE POWER MW		196	280	297	295	316	295	336	331	271	150	199	83	103	189	148	211
PEAK POW MW		662	662	661	655	649	647	636	623	612	609	605	607	609	612	622	626
ENERGY GWH	2142.3	70.5	47.1	64.1	212.6	235.3	212.4	249.7	246.3	195.0	111.5	71.5	13.9	19.8	140.5	110.1	142.0
--BIG BEND--																	
EVAPORATION	129							8	24	31	27	12	6	7	14		
REG INFLOW	14695	474	316	431	1434	1599	1450	1711	1694	1346	764	498	93	134	983	775	994
RELEASE	14695	474	316	431	1434	1599	1450	1711	1694	1346	764	498	93	134	983	775	994
STORAGE	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682
ELEV FTMSL	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
DISCH KCFS	11.7	15.9	22.8	24.1	24.1	26.0	24.4	27.8	27.5	22.6	12.4	16.7	6.7	8.5	16.0	12.6	17.9
POWER																	
AVE POWER MW		75	107	113	113	122	114	130	129	107	63	84	34	43	80	63	86
PEAK POW MW		518	510	509	509	509	509	509	509	523	538	538	538	538	538	538	529
ENERGY GWH	848.0	27.1	17.9	24.4	81.2	90.6	82.1	96.9	95.9	77.4	46.7	30.3	5.7	8.2	59.3	46.5	57.7
--FORT RANDALL--																	
NAT INFLOW	300	55	26	33	43	35	120	13	36	-10	-52	-3	-1	-1		-6	12
DEPLETION	80	1	1	1	4	9	12	18	15	7	1	1	0	1	3	3	3
EVAPORATION	141							10	32	39	28	10	5	5	13		
REG INFLOW	14770	527	341	463	1473	1625	1558	1696	1683	1291	678	483	88	127	968	766	1003
RELEASE	14769	268	192	446	1473	1625	1558	1696	1683	1606	1578	520	88	127	695	676	539
STOR CHANGE	1	260	149	17				0	0	-315	-900	-37	0	0	273	90	464
STORAGE	3123	3383	3532	3549	3549	3549	3549	3549	3549	3234	2334	2297	2297	2297	2570	2660	3124
ELEV FTMSL	1350.0	1353.2	1355.0	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1351.4	1338.2	1337.5	1337.5	1337.5	1342.1	1343.5	1350.0
DISCH KCFS	9.7	9.0	13.8	25.0	24.8	26.4	26.2	27.6	27.4	27.0	25.7	17.5	6.3	8.0	11.3	11.0	9.7
POWER																	
AVE POWER MW		74	116	209	208	221	219	231	229	223	197	127	46	58	84	84	77
PEAK POW MW		344	351	352	352	352	352	352	352	337	278	276	276	276	297	303	332
ENERGY GWH	1453.7	26.7	19.4	45.2	149.5	164.8	158.0	171.9	170.6	160.3	146.5	45.7	7.8	11.2	62.4	62.4	51.5
--GAVINS POINT--																	
NAT INFLOW	1200	87	41	52	120	131	138	76	76	55	104	45	21	24	67	65	98
DEPLETION	114	0	0	0	5	19	24	39	10	-5	2	5	2	3	10	1	
CHAN STOR	-1	1	-9	-21	0	-3	0	-3	0	1	2	15	21	-3	-6	1	2
EVAPORATION	47							3	9	11	10	5	2	2	5		
REG INFLOW	15808	357	223	477	1589	1734	1672	1728	1741	1655	1672	571	126	143	740	741	639
RELEASE	15808	357	223	477	1589	1734	1672	1728	1728	1642	1672	571	126	143	740	741	665
STOR CHANGE									13	13							-26
STORAGE	358	358	358	358	358	358	358	358	371	384	384	384	384	384	384	384	358
ELEV FTMSL	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.5	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1206.0
DISCH KCFS	12.0	12.0	16.1	26.7	26.7	28.2	28.1	28.1	28.1	27.6	27.2	19.2	9.0	9.0	12.0	12.0	12.0
POWER																	
AVE POWER MW		42	56	91	91	96	96	96	96	96	95	68	32	32	43	43	42
PEAK POW MW		114	114	114	114	114	114	114	115	115	115	115	115	115	77	77	76
ENERGY GWH	660.6	15.1	9.4	19.7	65.7	71.5	68.9	71.2	71.6	68.8	70.5	24.4	5.4	6.2	31.9	32.0	28.4
--GAVINS POINT - SIOUX CITY--																	
NAT INFLOW	550	36	17	22	77	144	106	47	22	15	14	10	4	5	10	-5	26
DEPLETION	237	6	3	3	19	34	29	36	32	21	9	5	2	3	11	12	12
REGULATED FLOW AT SIOUX CITY																	
KAF	16121	387	237	495	1647	1844	1749	1739	1718	1636	1677	576	128	145	739	724	679
KCFS		13.0	17.1	27.7	27.7	30.0	29.4	28.3	27.9	27.5	27.3	19.4	9.2	9.1	12.0	11.8	12.2
--TOTAL--																	
NAT INFLOW	15498	880	411	528	1638	2096	3595	1934	769	643	781	367	171	195	408	407	675
DEPLETION	2162	59	28	35	212	499	974	661	158	-123	-31	-68	-32	-36	-83	-74	-17
CHAN STOR	-41	34	18	-21	-19	-28	-10	0	3	54	16	-3	-21	-23	-21	-20	2
EVAPORATION	1871							117	366	455	389	173	80	92	199		
STORAGE	49702	50170	50334	50310	50070	49794	50656	50073	48602	47332	46094	45777	45750	45722	45253	44990	45005
SYSTEM POWER																	
AVE POWER MW		689	801	952	981	1088	1072	1138	1123	937	705	700	499	575	756	724	799
PEAK POW MW		2187	2187	2185	2180	2174	2181	2171	2152	2136	2087	2080	2081	2082	2060	2068	2084
ENERGY GWH	7841.5	248.2	134.5	205.7	706.0	809.5	772.0	846.4	835.5	674.3	524.5	252.1	83.8	110.4	562.5	538.9	537.2
DAILY GWH		16.5	19.2	22.9	23.5	26.1	25.7	27.3	27.0	22.5	16.9	16.8	12.0	13.8	18.1	17.4	19.2
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB

TIME OF STUDY 10:42:19 NAVIGATION SEASON SHORTENED AT 40 MAF ON JULY 1 STUDY NO 9
VALUES IN 1000 AF EXCEPT AS INDICATED

28FEB01		2001											2002			
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB
--FORT PECK--																	
NAT INFLOW	5100	234	109	140	515	783	996	439	253	242	320	159	74	85	271	205	275
DEPLETION	406	15	7	9	86	227	311	141	-5	-64	-77	-20	-9	-11	-78	-79	-46
EVAPORATION	485							30	93	116	101	46	21	24	52		
MOD INFLOW	4209	220	102	132	429	556	685	268	165	190	296	133	62	71	297	284	321
RELEASE	5709	179	69	89	387	461	506	523	523	291	261	179	111	143	615	707	666
STOR CHANGE	-1500	41	33	43	42	95	179	-255	-358	-101	35	-46	-49	-72	-318	-423	-345
STORAGE	12860	12901	12934	12977	13019	13114	13293	13039	12681	12580	12614	12569	12519	12447	12129	11706	11361
ELEV FTMSL	2223.2	2223.4	2223.6	2223.8	2224.0	2224.5	2225.5	2224.1	2222.2	2221.6	2221.8	2221.6	2221.3	2220.9	2219.1	2216.7	2214.7
DISCH KCFS	10.0	6.0	5.0	5.0	6.5	7.5	8.5	8.5	8.5	4.9	4.2	6.0	8.0	9.0	10.0	11.5	12.0
POWER																	
AVE POWER MW		79	66	66	86	99	112	112	111	64	55	78	104	117	129	147	151
PEAK POW MW		199	200	200	200	201	202	200	198	198	198	198	197	197	195	192	189
ENERGY GWH	897.8	28.4	11.0	14.2	61.6	73.5	80.8	83.4	82.8	46.0	41.2	28.2	17.5	22.4	96.0	109.2	101.8
--GARRISON--																	
NAT INFLOW	7299	270	126	162	700	903	2020	1277	361	277	390	161	75	86	108	160	223
DEPLETION	783	16	8	10	54	150	484	298	22	-103	40	-61	-28	-32	-39	-26	-10
CHAN STOR	-22	41	10		-16	-10	-10	0		37	7	-18	-21	-10	-10	-16	-5
EVAPORATION	560							35	109	136	117	52	24	28	59		
REG INFLOW	11643	473	198	241	1017	1204	2031	1467	752	573	501	329	169	223	692	877	894
RELEASE	13451	565	208	268	952	1261	1279	1291	1291	929	796	385	236	301	1230	1291	1166
STOR CHANGE	-1808	-92	-10	-26	65	-57	752	176	-539	-356	-295	-56	-67	-79	-538	-414	-272
STORAGE	15492	15400	15390	15364	15429	15372	16124	16300	15761	15405	15109	15054	14987	14908	14371	13957	13685
ELEV FTMSL	1828.5	1828.1	1828.1	1828.0	1828.2	1828.0	1830.7	1831.4	1829.4	1828.2	1827.1	1826.9	1826.6	1826.3	1824.3	1822.7	1821.6
DISCH KCFS	17.0	19.0	15.0	15.0	16.0	20.5	21.5	21.0	21.0	15.6	12.9	12.9	17.0	19.0	20.0	21.0	21.0
POWER																	
AVE POWER MW		223	176	176	188	240	254	251	250	184	152	151	198	221	230	239	236
PEAK POW MW		350	349	349	350	349	357	359	353	350	346	346	345	344	338	334	330
ENERGY GWH	1901.6	80.4	29.7	38.1	135.5	178.8	182.9	186.7	185.9	132.8	113.1	54.5	33.3	42.3	171.3	177.5	158.9
--OAHE--																	
NAT INFLOW	1049	197	92	118	183	100	215	82	21	64	5	-5	-2	-3	-48	-12	41
DEPLETION	542	21	10	13	44	60	114	129	84	21	-6	2	1	1	10	15	24
CHAN STOR	-19	-9	17	0	-4	-20	-4	2		25	13		-20	-10	-5	-5	
EVAPORATION	504							32	99	122	104	46	22	25	54		
REG INFLOW	13435	733	308	373	1087	1281	1376	1214	1129	875	716	332	192	264	1113	1259	1183
RELEASE	15324	474	316	431	1434	1599	1450	1719	1718	1549	1052	438	202	188	985	775	994
STOR CHANGE	-1889	259	-8	-57	-347	-318	-74	-505	-589	-674	-336	-106	-11	76	128	484	190
STORAGE	16186	16445	16437	16380	16033	15714	15640	15136	14547	13873	13537	13431	13421	13496	13624	14108	14298
ELEV FTMSL	1598.4	1599.4	1599.3	1599.1	1597.9	1596.7	1596.4	1594.5	1592.2	1589.5	1588.1	1587.6	1587.6	1587.9	1588.4	1590.4	1591.2
DISCH KCFS	11.7	15.9	22.8	24.1	24.1	26.0	24.4	28.0	27.9	26.0	17.1	14.7	14.6	11.9	16.0	12.6	17.9
POWER																	
AVE POWER MW		196	280	297	295	316	295	336	332	305	199	170	168	137	186	147	210
PEAK POW MW		662	662	661	655	649	648	638	627	613	606	604	604	605	608	618	622
ENERGY GWH	2212.4	70.5	47.1	64.1	212.6	235.3	212.5	250.2	247.1	219.8	148.0	61.3	28.3	26.3	138.2	109.6	141.4
--BIG BEND--																	
EVAPORATION	129							8	24	31	27	12	6	7	14		
REG INFLOW	15195	474	316	431	1434	1599	1450	1711	1694	1518	1025	426	197	182	971	775	994
RELEASE	15195	474	316	431	1434	1599	1450	1711	1694	1518	1025	426	197	182	971	775	994
STORAGE	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682
ELEV FTMSL	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
DISCH KCFS	11.7	15.9	22.8	24.1	24.1	26.0	24.4	27.8	27.5	25.5	16.7	14.3	14.2	11.4	15.8	12.6	17.9
POWER																	
AVE POWER MW		75	107	113	113	122	114	130	129	121	82	72	71	58	79	63	86
PEAK POW MW		518	510	509	509	509	509	509	509	517	538	538	538	538	538	538	529
ENERGY GWH	875.9	27.1	17.9	24.4	81.2	90.6	82.1	96.9	95.9	87.1	60.9	25.9	12.0	11.1	58.6	46.5	57.7
--FORT RANDALL--																	
NAT INFLOW	300	55	26	33	43	35	120	13	36	-10	-52	-3	-1	-1		-6	12
DEPLETION	80	1	1	1	4	9	12	18	15	7	1	1	0	1	3	3	3
EVAPORATION	147							10	32	39	31	12	5	5	13		
REG INFLOW	15268	527	341	463	1473	1625	1558	1696	1683	1462	941	410	190	174	956	766	1003
RELEASE	15267	268	192	446	1473	1625	1558	1696	1683	1606	1578	714	335	196	683	676	539
STOR CHANGE	1	260	149	17	0		0		0	-144	-637	-304	-145	-22	273	90	464
STORAGE	3123	3383	3532	3549	3549	3549	3549	3549	3549	3405	2768	2464	2319	2297	2570	2660	3124
ELEV FTMSL	1350.0	1353.2	1355.0	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1353.5	1345.1	1340.4	1337.9	1337.5	1342.1	1343.5	1350.0
DISCH KCFS	9.7	9.0	13.8	25.0	24.8	26.4	26.2	27.6	27.4	27.0	25.7	24.0	24.1	12.4	11.1	11.0	9.7
POWER																	
AVE POWER MW		74	116	209	208	221	219	231	229	225	205	181	176	90	82	84	77
PEAK POW MW		344	351	352	352	352	352	352	352	345	310	288	277	276	297	303	332
ENERGY GWH	1507.3	26.7	19.4	45.2	149.5	164.8	158.0	171.9	170.6	161.6	152.4	65.2	29.6	17.3	61.3	62.4	51.5
--GAVINS POINT--																	
NAT INFLOW	1200	87	41	52	120	131	138	76	76	55	104	45	21	24	67	65	98
DEPLETION	114	0	0	0	5	19	24	39	10	-5	2	5	2	3	10	1	
CHAN STOR	-1	1	-9	-21	0	-3	0	-3	0	1	2	3	0	22	2	0	2
EVAPORATION	47							3	9	11	10	5	2	2	5		
REG INFLOW	16306	357	223	477	1589	1734	1672	1728	1741	1655	1672	753	351	237	737	741	639
RELEASE	16306	357	223	477	1589	1734	1672	1728	1728	1642	1672	753	351	237	737	741	665
STOR CHANGE									13	13							-26
STORAGE	358	358	358	358	358	358	358	358	371	384	384	384	384	384	384	384	358
ELEV FTMSL	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.5	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1206.0
DISCH KCFS	12.0	12.0	16.1	26.7	26.7	28.2	28.1	28.1	28.1	27.6	27.2	25.3	25.3	15.0	12.0	12.0	12.0
POWER																	
AVE POWER MW		42	56	91	91	96	96	96	96	96	95	88	88	53	43	43	42
PEAK POW MW		114	114	114	114	114	114	114	115	115	115	115	115	115	77	77	76
ENERGY GWH	681.3	15.1	9.4	19.7	65.7	71.5	68.9	71.2	71.6	68.8	70.5	31.8	14.8	10.2	31.8	32.0	28.4
--GAVINS POINT - SIOUX CITY--																	
NAT INFLOW	550	36	17	22	77	144	106	47	22	15	14	10	4	5	10	-5	26
DEPLETION	237	6	3	3	19	34	29	36	32	21	9	5	2	3	11	12	12
REGULATED FLOW AT SIOUX CITY																	
KAF	16619	387	237	495	1647	1844	1749	1739	1718	1636	1677	757	353	240	736	724	679
KCFS		13.0	17.1	27.7	27.7	30.0	29.4	28.3	27.9	27.5	27.3	25.5	25.5	15.1	12.0	11.8	12.2
--TOTAL--																	
NAT INFLOW	15498	880	411	528	1638	2096	3595	1934	769	643	781	367	171	195	408	407	675
DEPLETION	2162	59	28	35	212	499	974	661	158	-123	-31	-68	-32	-36	-83	-74	-17
CHAN STOR	-41	34	18	-21	-19	-33	-14	0	0	63	22	-15	-41	2	-13	-20	-3
EVAPORATION	1871							117	366	455	390	173	80	91	198		
STORAGE	49702	50170	50334	50310	50070	49789	50647	50063	48591	47328	46095	45583	45312	45215	44760	44497	44507
SYSTEM POWER																	
AVE POWER MW		689	801	952	981	1095	1091	1156	1148	995	788	741	806	675	749	722	803
PEAK POW MW		2187	2187	2185	2180	2174	2182	2173	2154	2138	2113	2089	2077	2075	2053	2061	2078
ENERGY GWH	8076.3	248.2	134.5	205.7	706.0	814.4	785.2	860.2	853.9	716.1	586.0	266.9	135.5	129.7	557.1	537.2	539.7
DAILY GWH		16.5	19.2	22.9	23.5	26.3	26.2	27.7	27.5	23.9	18.9	17.8	19.4	16.2	18.0	17.3	19.3

VALUES IN 1000 AF EXCEPT AS INDICATED

	28FEB02 INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB
		2002												2003			
--FORT PECK--																	
NAT INFLOW	7400	264	123	158	628	1210	1851	829	324	319	398	188	88	100	310	261	349
DEPLETION	353	-13	-6	-8	46	329	575	170	-89	-141	-70	-38	-18	-20	-130	-143	-93
EVAPORATION	448							27	85	107	94	43	20	23	49		
MOD INFLOW	6599	277	129	166	582	881	1276	632	328	353	374	182	85	97	391	404	442
RELEASE	6465	179	69	89	417	492	1119	553	553	344	277	134	63	159	615	707	694
STOR CHANGE	135	98	60	77	165	389	157	79	-226	9	97	48	22	-61	-224	-303	-252
STORAGE	13970	14068	14128	14204	14370	14759	14916	14995	14769	14778	14874	14923	14945	14884	14660	14357	14104
ELEV FTMSL	2229.0	2229.5	2229.8	2230.2	2231.0	2232.9	2233.6	2234.0	2232.9	2233.0	2233.4	2233.6	2233.8	2233.5	2232.4	2230.9	2229.7
DISCH KCFS	10.5	6.0	5.0	5.0	7.0	8.0	18.8	9.0	9.0	5.8	4.5	4.5	4.5	10.0	10.0	11.5	12.5
POWER																	
AVE POWER MW		80	67	67	94	108	207	122	122	79	61	61	61	136	135	155	168
PEAK POW MW		205	205	205	206	207	208	208	208	208	208	208	208	208	207	206	205
ENERGY GWH	1023.7	29.0	11.3	14.5	67.9	80.4	149.4	91.0	90.9	56.6	45.6	22.1	10.3	26.1	100.8	115.3	112.7
--GARRISON--																	
NAT INFLOW	11001	469	219	282	853	1423	2958	2066	581	497	454	192	89	102	253	237	326
DEPLETION	901	-8	-4	-5	-15	215	780	495	13	-124	11	-92	-43	-49	-112	-98	-64
CHAN STOR	-22	46	10		-20	-10	-109	97		32	13			-54	0	-15	-10
EVAPORATION	514							31	100	124	108	48	22	26	55		
REG INFLOW	16029	702	302	376	1264	1690	3188	2190	1022	873	625	369	172	230	925	1027	1074
RELEASE	14933	506	236	303	1190	1414	1488	1506	1476	964	878	425	198	317	1230	1414	1388
STOR CHANGE	1096	196	66	72	74	276	1700	683	-454	-91	-252	-56	-26	-88	-305	-387	-314
STORAGE	16219	16415	16481	16554	16628	16903	18603	19287	18833	18742	18489	18434	18408	18320	18016	17629	17314
ELEV FTMSL	1831.1	1831.8	1832.0	1832.2	1832.5	1833.5	1839.1	1841.2	1839.8	1839.5	1838.7	1838.5	1838.5	1838.2	1837.2	1835.9	1834.9
DISCH KCFS	23.0	17.0	17.0	17.0	20.0	23.0	25.0	24.5	24.0	16.2	14.3	14.3	14.3	20.0	20.0	23.0	25.0
POWER																	
AVE POWER MW		204	205	205	241	278	308	309	303	205	180	180	179	250	249	284	306
PEAK POW MW		360	361	362	362	365	382	390	384	383	381	380	380	379	376	372	369
ENERGY GWH	2237.3	73.5	34.4	44.3	173.6	206.8	221.8	230.1	225.7	147.4	134.0	64.6	30.1	48.1	185.5	211.5	205.9
--OAHE--																	
NAT INFLOW	2300	317	148	190	364	236	689	162	33	118	14	5	2	3	-20		40
DEPLETION	557	22	10	13	45	61	117	134	87	22	-7	2	1	1	11	15	24
CHAN STOR	-9	25			-12	-12	-8	2	2	32	8		0	-25	0	-13	-9
EVAPORATION	464							30	92	112	96	43	20	23	49		
REG INFLOW	16203	826	374	480	1497	1577	2051	1507	1332	980	811	385	180	272	1150	1386	1396
RELEASE	15956	552	144	357	1292	1554	1612	1902	1915	1703	1206	571	263	217	1051	972	645
STOR CHANGE	248	274	230	123	205	23	439	-396	-583	-723	-395	-186	-83	54	99	414	751
STORAGE	17177	17451	17681	17804	18009	18032	18471	18076	17493	16770	16375	16190	16106	16160	16259	16673	17424
ELEV FTMSL	1602.0	1602.9	1603.7	1604.1	1604.8	1604.9	1606.3	1605.0	1603.0	1600.5	1599.1	1598.5	1598.1	1598.3	1598.7	1600.2	1602.8
DISCH KCFS	11.6	18.5	10.3	20.0	21.7	25.3	27.1	30.9	31.1	28.6	19.6	19.2	19.0	13.7	17.1	15.8	11.6
POWER																	
AVE POWER MW		233	131	253	275	320	345	393	392	356	242	236	233	168	210	195	145
PEAK POW MW		681	685	687	691	691	699	692	681	668	661	658	656	657	659	667	680
ENERGY GWH	2421.7	83.7	21.9	54.6	198.1	238.4	248.2	292.7	291.9	256.6	180.3	84.9	39.1	32.3	156.1	145.2	97.6
--BIG BEND--																	
EVAPORATION	103							6	20	25	22	10	5	5	11		
REG INFLOW	15852	552	144	357	1292	1554	1612	1896	1895	1678	1184	561	259	212	1040	972	645
RELEASE	15852	552	144	357	1292	1554	1612	1896	1895	1678	1184	561	259	212	1040	972	645
STORAGE	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682
ELEV FTMSL	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
DISCH KCFS	11.6	18.5	10.3	20.0	21.7	25.3	27.1	30.8	30.8	28.2	19.3	18.9	18.6	13.4	16.9	15.8	11.6
POWER																	
AVE POWER MW		87	48	94	102	118	127	144	144	134	94	95	94	68	84	77	56
PEAK POW MW		510	509	509	509	509	509	509	509	517	538	538	538	538	538	537	529
ENERGY GWH	912.9	31.3	8.1	20.2	73.2	88.0	91.3	107.4	107.3	96.2	70.3	34.1	15.7	13.0	62.2	57.1	37.5
--FORT RANDALL--																	
NAT INFLOW	900	122	57	73	115	140	185	74	57	42	2	2	1	1	10		19
DEPLETION	80	1	1	1	4	9	12	18	15	7	1	1	0	1	3	3	3
EVAPORATION	118							8	25	31	25	10	4	4	10		
REG INFLOW	16555	673	200	430	1403	1685	1785	1944	1912	1681	1161	552	255	209	1036	969	661
RELEASE	16555	265	183	430	1403	1685	1785	1944	1912	1825	1798	856	400	230	670	658	511
STOR CHANGE	0	408	17					0	0	-144	-637	-304	-145	-22	366	311	150
STORAGE	3124	3532	3549	3549	3549	3549	3549	3549	3549	3405	2768	2464	2319	2297	2663	2974	3124
ELEV FTMSL	1350.0	1355.0	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1353.5	1345.1	1340.4	1337.9	1337.5	1343.5	1348.0	1350.0
DISCH KCFS	9.2	8.9	13.2	24.1	23.6	27.4	30.0	31.6	31.1	30.7	29.2	28.8	28.8	14.5	10.9	10.7	9.2
POWER																	
AVE POWER MW		74	111	202	198	229	251	264	260	255	233	217	210	105	81	84	74
PEAK POW MW		351	352	352	352	352	352	352	352	345	310	289	278	276	303	324	331
ENERGY GWH	1635.4	26.6	18.7	43.6	142.5	170.7	180.6	196.6	193.3	183.4	173.2	77.9	35.2	20.2	60.6	62.3	49.8
--GAVINS POINT--																	
NAT INFLOW	1450	92	43	55	148	174	166	86	103	77	122	50	23	27	77	79	127
DEPLETION	114	0	0	0	5	19	24	39	10	-5	2	5	2	3	10	1	
CHAN STOR	-1	1	-8	-21	1	-7	-5	-3	1	1	3	1	0	27	7	0	3
EVAPORATION	37							2	7	9	8	4	2	2	4		
REG INFLOW	17853	358	218	464	1547	1832	1922	1986	1999	1899	1912	899	419	279	740	736	641
RELEASE	17853	358	218	464	1547	1832	1922	1986	1986	1886	1912	899	419	279	740	736	667
STOR CHANGE									13	13							-26
STORAGE	358	358	358	358	358	358	358	358	371	384	384	384	384	384	384	384	358
ELEV FTMSL	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.5	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1206.0
DISCH KCFS	12.0	12.0	15.7	26.0	26.0	29.8	32.3	32.3	32.3	31.7	31.1	30.2	30.2	17.6	12.0	12.0	12.0
POWER																	
AVE POWER MW		42	55	89	89	100	106	106	107	106	105	103	103	62	43	43	42
PEAK POW MW		114	114	114	114	114	114	114	115	115	115	115	115	115	77	77	76
ENERGY GWH	730.2	15.2	9.2	19.2	64.0	74.7	76.4	78.9	79.3	76.4	78.3	37.1	17.3	11.9	31.9	31.8	28.5
--GAVINS POINT - SIOUX CITY--																	
NAT INFLOW	1550	169	79	102	199	310	224	129	96	60	42	16	7	9	21	5	82
DEPLETION	239	6	3	3	19	34	29	36	33	21	9	5	2	3	11	12	13
REGULATED FLOW AT SIOUX CITY																	
KAF	19164	522	294	563	1727	2108	2117	2079	2049	1925	1945	910	424	285	750	729	736
KCFS		17.5	21.2	31.5	29.0	34.3	35.6	33.8	33.3	32.4	31.6	30.6	30.6	18.0	12.2	11.9	13.2
--TOTAL--																	
NAT INFLOW	24601	1435	669	860	2307	3493	6073	3346	1194	1113	1032	452	211	241	651	582	943
DEPLETION	2244	8	4	5	104	667	1537	892	69	-220	-54	-117	-54	-62	-207	-210	-117
CHAN STOR	-32	72	2	-21	-32	-30	-122	95	3	65	24	1	0	-52	7	-28	-16
EVAPORATION	1683							104	328	409	352	157	72	82	179		
STORAGE	52529	53506	53879	54151	54595	55283	57580	57946	56697	55761	54573	54076	53844	53727	53663	53698	54007
SYSTEM POWER																	
AVE POWER MW		720	617	910	999	1155	1344	1339	1329	1134	916	891	880	789	803	838	792
PEAK POW MW		2222	2226	2229	2234	2239	2263	2266	2248	2236	2212	2188	2175	2173	2160	2182	2191
ENERGY GWH	8961.2	259.3	103.7	196.5	719.2	859.0	967.7	996.6	988.4	816.6	681.8	320.8	147.8	151.6	597.1	623.2	531.9
DAILY GWH		17.3	14.8	21.8	24.0	27.7	32.3	32.1	31.9	27.2	22.0	21.4	21.1	18.9	19.3	20.1	19.0
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB

VALUES IN 1000 AF EXCEPT AS INDICATED

28FEB03		2003											2004			
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	29FEB
--FORT PECK--																	
NAT INFLOW	7400	264	123	158	628	1210	1851	829	324	319	398	188	88	100	310	261	349
DEPLETION	366	-13	-6	-8	50	324	582	176	-84	-141	-71	-37	-17	-19	-128	-140	-102
EVAPORATION	449							28	87	108	94	42	20	22	48		
MOD INFLOW	6585	277	129	166	578	886	1269	625	321	352	375	182	85	97	390	401	451
RELEASE	6765	179	69	89	476	553	655	646	615	567	413	238	125	159	615	676	690
STOR CHANGE	-181	99	60	77	102	333	614	-20	-294	-215	-38	-56	-40	-62	-225	-275	-239
STORAGE	14104	14203	14263	14340	14442	14775	15389	15369	15075	14860	14822	14765	14725	14664	14438	14163	13924
ELEV FTMSL	2229.7	2230.2	2230.5	2230.8	2231.3	2232.9	2235.8	2235.7	2234.4	2233.4	2233.2	2232.9	2232.7	2232.4	2231.3	2230.0	2228.8
DISCH KCFS	12.5	6.0	5.0	5.0	8.0	9.0	11.0	10.5	10.0	9.5	6.7	8.0	9.0	10.0	10.0	11.0	12.0
POWER																	
AVE POWER MW		81	67	67	108	122	150	143	136	129	91	108	122	135	135	148	161
PEAK POW MW		205	206	206	206	208	210	210	209	208	208	207	207	207	206	205	204
ENERGY GWH	1107.6	29.0	11.3	14.6	77.6	90.5	107.7	106.7	101.4	93.2	67.9	39.1	20.5	26.0	100.4	110.0	111.7
--GARRISON--																	
NAT INFLOW	11001	469	219	282	853	1423	2958	2066	581	497	454	192	89	102	253	237	326
DEPLETION	919	-7	-3	-4	-9	204	795	516	18	-126	6	-95	-44	-50	-112	-98	-71
CHAN STOR	5	65	10		-30	-10	-20	5	5	5	27	-13	-10	-10	0	-10	-10
EVAPORATION	522							32	102	126	109	49	23	26	56		
REG INFLOW	16330	720	302	375	1308	1762	2798	2168	1081	1068	780	463	226	275	924	1001	1077
RELEASE	16285	506	236	303	1190	1537	1607	1629	1599	1245	1103	534	278	317	1230	1476	1496
STOR CHANGE	45	215	66	72	118	225	1191	539	-517	-177	-323	-71	-52	-42	-306	-474	-418
STORAGE	17314	17529	17595	17666	17784	18010	19201	19740	19222	19045	18722	18651	18600	18558	18252	17778	17360
ELEV FTMSL	1834.9	1835.6	1835.8	1836.0	1836.4	1837.2	1840.9	1842.6	1841.0	1840.5	1839.5	1839.2	1839.1	1838.9	1838.0	1836.4	1835.0
DISCH KCFS	25.0	17.0	17.0	17.0	20.0	25.0	27.0	26.5	26.0	20.9	17.9	17.9	20.0	20.0	20.0	24.0	26.0
POWER																	
AVE POWER MW		209	210	210	247	309	335	335	330	265	227	226	252	251	251	298	318
PEAK POW MW		371	372	373	374	376	388	398	387	385	383	382	382	381	378	374	370
ENERGY GWH	2459.5	75.3	35.2	45.4	177.9	230.0	241.1	249.1	245.2	190.6	168.7	81.4	42.3	48.3	186.4	221.5	221.2
--OAHE--																	
NAT INFLOW	2300	317	148	190	364	236	689	162	33	118	14	5	2	3	-20		40
DEPLETION	570	22	10	13	45	62	120	138	90	23	-7	2	1	1	11	15	25
CHAN STOR	-4	33			-12	-20	-8	2	2	21	12	0	-9	0	0	-17	-8
EVAPORATION	479							30	94	115	99	45	21	24	52		
REG INFLOW	17532	834	374	480	1497	1691	2168	1625	1450	1246	1037	493	250	296	1147	1444	1502
RELEASE	16436	552	150	370	1334	1603	1666	1958	1970	1756	1261	598	276	259	1043	972	669
STOR CHANGE	1096	282	223	110	163	88	502	-333	-520	-511	-224	-105	-26	37	104	472	833
STORAGE	17424	17706	17930	18040	18203	18291	18793	18460	17940	17430	17206	17100	17074	17111	17215	17687	18521
ELEV FTMSL	1602.8	1603.8	1604.5	1604.9	1605.4	1605.7	1607.4	1606.3	1604.6	1602.8	1602.1	1601.7	1601.6	1601.7	1602.1	1603.7	1606.5
DISCH KCFS	11.6	18.5	10.8	20.7	22.4	26.1	28.0	31.8	32.0	29.5	20.5	20.1	19.9	16.3	17.0	15.8	11.6
POWER																	
AVE POWER MW		234	137	263	285	332	358	407	407	371	257	251	248	204	212	199	148
PEAK POW MW		685	689	691	694	696	704	699	689	680	676	674	674	675	676	685	700
ENERGY GWH	2518.4	84.1	23.0	56.8	205.2	246.9	257.7	303.0	302.5	267.4	191.3	90.4	41.7	39.1	157.9	148.0	103.2
--BIG BEND--																	
EVAPORATION	103							6	20	25	22	10	5	5	11		
REG INFLOW	16333	552	150	370	1334	1603	1666	1952	1950	1731	1240	588	271	254	1031	972	669
RELEASE	16333	552	150	370	1334	1603	1666	1952	1950	1731	1240	588	271	254	1031	972	669
STORAGE	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682
ELEV FTMSL	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
DISCH KCFS	11.6	18.5	10.8	20.7	22.4	26.1	28.0	31.7	31.7	29.1	20.2	19.8	19.5	16.0	16.8	15.8	11.6
POWER																	
AVE POWER MW		87	51	97	105	122	131	149	148	138	99	99	98	81	83	77	56
PEAK POW MW		510	509	509	509	509	509	509	509	517	538	538	538	538	538	537	529
ENERGY GWH	940.5	31.3	8.5	21.0	75.5	90.8	94.3	110.5	110.4	99.3	73.5	35.7	16.5	15.5	61.7	57.1	38.9
--FORT RANDALL--																	
NAT INFLOW	900	122	57	73	115	140	185	74	57	42	2	2	1	1	10		19
DEPLETION	80	1	1	1	4	9	12	18	15	7	1	1	0	1	3	3	3
EVAPORATION	118							8	25	31	25	10	4	4	10		
REG INFLOW	17035	673	206	443	1445	1734	1839	2000	1967	1735	1216	579	268	250	1028	969	685
RELEASE	17035	265	189	443	1445	1734	1839	2000	1967	1879	1853	883	413	272	662	658	535
STOR CHANGE	0	408	17					0	0	-144	-637	-304	-145	-22	366	311	150
STORAGE	3124	3532	3549	3549	3549	3549	3549	3549	3549	3405	2768	2464	2319	2297	2663	2974	3124
ELEV FTMSL	1350.0	1355.0	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1353.5	1345.1	1340.4	1337.9	1337.5	1343.5	1348.0	1350.0
DISCH KCFS	9.2	8.9	13.6	24.8	24.3	28.2	30.9	32.5	32.0	31.6	30.1	29.7	29.7	17.1	10.8	10.7	9.3
POWER																	
AVE POWER MW		74	115	208	204	236	258	272	267	262	240	223	216	124	80	84	75
PEAK POW MW		351	352	352	352	352	352	352	352	345	310	289	278	276	303	324	331
ENERGY GWH	1681.9	26.6	19.4	44.9	146.7	175.7	186.0	202.1	198.8	188.7	178.5	80.3	36.3	23.8	59.8	62.3	52.1
--GAVINS POINT--																	
NAT INFLOW	1450	92	43	55	148	174	166	86	103	77	122	50	23	27	77	79	127
DEPLETION	114	0	0	0	5	19	24	39	10	-5	2	5	2	3	10	1	
CHAN STOR	-1	1	-9	-21	1	-8	-5	-3	1	1	3	1	0	24	12	0	3
EVAPORATION	37							2	7	9	8	4	2	2	4		
REG INFLOW	18333	358	224	477	1589	1882	1976	2041	2054	1953	1968	925	432	317	737	736	665
RELEASE	18333	358	224	477	1589	1882	1976	2041	2041	1940	1968	925	432	317	737	736	691
STOR CHANGE									13	13							-26
STORAGE	358	358	358	358	358	358	358	358	371	384	384	384	384	384	384	384	358
ELEV FTMSL	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.5	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1206.0
DISCH KCFS	12.0	12.0	16.1	26.7	26.7	30.6	33.2	33.2	33.2	32.6	32.0	31.1	31.1	20.0	12.0	12.0	12.0
POWER																	
AVE POWER MW		42	56	91	91	102	108	108	109	108	107	105	105	70	43	43	42
PEAK POW MW		114	114	114	114	114	114	114	115	115	115	115	115	115	77	77	76
ENERGY GWH	744.8	15.2	9.4	19.7	65.7	76.1	77.8	80.4	80.7	77.9	79.8	37.9	17.7	13.5	31.8	31.8	29.5
--GAVINS POINT - SIOUX CITY--																	
NAT INFLOW	1550	169	79	102	199	310	224	129	96	60	42	16	7	9	21	5	82
DEPLETION	241	6	3	3	20	34	29	36	33	22	9	5	2	3	11	12	13
REGULATED FLOW AT SIOUX CITY																	
KAF	19642	522	300	575	1768	2158	2171	2134	2104	1978	2001	936	437	323	747	729	760
KCFS		17.5	21.6	32.2	29.7	35.1	36.5	34.7	34.2	33.2	32.5	31.5	31.5	20.4	12.1	11.9	13.2
--TOTAL--																	
NAT INFLOW	24601	1435	669	860	2307	3493	6073	3346	1194	1113	1032	452	211	241	651	582	943
DEPLETION	2290	8	4	5	115	652	1562	923	82	-220	-60	-119	-55	-63	-205	-207	-132
CHAN STOR	0	99	1	-21	-41	-38	-33	4	8	26	43	-12	-19	14	12	-27	-16
EVAPORATION	1708							106	334	415	357	159	73	84	182		
STORAGE	54007	55011	55377	55636	56019	56665	58972	59158	57840	56806	55584	55047	54784	54695	54635	54668	54968
SYSTEM POWER																	
AVE POWER MW		726	636	937	1040	1223	1340	1414	1397	1274	1021	1013	1041	865	804	848	800
PEAK POW MW		2238	2242	2245	2249	2254	2277	2282	2261	2251	2229	2206	2194	2192	2180	2202	2210
ENERGY GWH	9452.7	261.5	106.9	202.4	748.6	909.9	964.6	1051.7	1039.2	917.0	759.8	364.8	174.9	166.2	598.0	630.6	556.6
DAILY GWH		17.4	15.3	22.5	25.0	29.4	32.2	33.9	33.5	30.6	24.5	24.3	25.0	20.8	19.3	20.3	19.2

INI-SUM 15MAR 22MAR 31MAR 30APR 31MAY 30JUN 31JUL 31AUG 30SEP 31OCT 15NOV 22NOV 30NOV 31DEC 31JAN 29FEB

VALUES IN 1000 AF EXCEPT AS INDICATED

29FEB04		2004										2005			
INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB
--FORT PECK--																
NAT INFLOW 7400	264	123	158	628	1210	1851	829	324	319	398	188	88	100	310	261	349
DEPLETION 366	-13	-6	-8	50	324	582	176	-84	-141	-71	-37	-17	-19	-128	-140	-102
EVAPORATION 467							28	89	112	98	45	21	24	51		
MOD INFLOW 6567	277	129	166	578	886	1269	625	319	348	371	179	84	96	387	401	451
RELEASE 5447	179	69	89	357	400	476	492	492	260	209	238	125	159	615	676	611
STOR CHANGE 1120	99	60	77	221	486	793	133	-173	88	161	-59	-41	-63	-228	-275	-160
STORAGE 13924	14023	14082	14159	14380	14867	15660	15793	15620	15708	15870	15811	15770	15707	15479	15203	15044
ELEV FTMSL 2228.8	2229.3	2229.6	2229.9	2231.0	2233.4	2237.1	2237.7	2236.9	2237.3	2238.0	2237.8	2237.6	2237.3	2236.3	2235.0	2234.2
DISCH KCFS 12.0	6.0	5.0	5.0	6.0	6.5	8.0	8.0	8.0	4.4	3.4	8.0	9.0	10.0	10.0	11.0	11.0
POWER																
AVE POWER MW	80	67	67	81	88	109	110	110	60	47	110	124	137	137	150	150
PEAK POW MW	205	205	205	206	208	211	211	210	211	211	211	211	211	210	209	208
ENERGY GWH 899.7	29.0	11.3	14.5	58.2	65.5	78.6	81.8	81.8	43.3	34.9	39.6	20.8	26.4	101.9	111.7	100.6
--GARRISON--																
NAT INFLOW 11001	469	219	282	853	1423	2958	2066	581	497	454	192	89	102	253	237	326
DEPLETION 940	-6	-3	-4	-7	204	805	532	24	-129	1	-99	-46	-53	-115	-99	-65
CHAN STOR 10	60	10		-10	-5	-15			36	9	-45	-10	-10	0	-10	0
EVAPORATION 512							32	100	124	106	48	22	25	55		
REG INFLOW 15006	714	301	375	1207	1614	2614	1994	949	798	565	435	228	278	928	1002	1002
RELEASE 15268	506	236	303	1190	1445	1517	1537	1506	1065	943	456	213	317	1230	1414	1388
STOR CHANGE -262	209	65	71	17	169	1097	457	-558	-267	-378	-21	15	-39	-301	-412	-387
STORAGE 17360	17568	17634	17705	17722	17890	18987	19444	18887	18620	18242	18221	18236	18197	17896	17484	17098
ELEV FTMSL 1835.0	1835.7	1835.9	1836.2	1836.2	1836.8	1840.3	1841.7	1840.0	1839.1	1837.9	1837.9	1837.9	1837.8	1836.8	1835.4	1834.1
DISCH KCFS 26.0	17.0	17.0	17.0	20.0	23.5	25.5	25.0	24.5	17.9	15.3	15.3	15.3	20.0	20.0	23.0	25.0
POWER																
AVE POWER MW	209	210	210	247	290	319	316	310	226	193	192	192	250	249	283	305
PEAK POW MW	372	372	373	373	375	385	395	384	382	378	378	378	378	375	371	367
ENERGY GWH 2301.4	75.3	35.3	45.4	177.9	216.0	229.4	235.2	230.5	162.7	143.4	69.1	32.2	47.9	185.1	210.9	205.1
--OAHE--																
NAT INFLOW 2300	317	148	190	364	236	689	162	33	118	14	5	2	3	-20		40
DEPLETION 585	22	10	13	46	64	123	143	93	23	-8	2	1	1	11	16	25
CHAN STOR 3	36			-12	-14	-8	2	2	26	10			-20	0	-13	-8
EVAPORATION 492							32	97	119	101	45	21	24	52		
REG INFLOW 16495	836	373	480	1496	1603	2076	1527	1351	1067	874	415	194	276	1147	1386	1395
RELEASE 16412	552	150	370	1334	1603	1666	1958	1970	1756	1261	598	276	259	1043	972	645
STOR CHANGE 83	284	223	110	163	0	410	-431	-619	-689	-387	-183	-82	17	104	414	750
STORAGE 18521	18805	19028	19138	19301	19301	19711	19280	18661	17971	17584	17401	17319	17336	17439	17853	18604
ELEV FTMSL 1606.5	1607.4	1608.1	1608.5	1609.0	1609.0	1610.2	1608.9	1606.9	1604.7	1603.4	1602.7	1602.4	1602.5	1602.9	1604.3	1606.8
DISCH KCFS 11.6	18.5	10.8	20.7	22.4	26.1	28.0	31.8	32.0	29.5	20.5	20.1	19.9	16.3	17.0	15.8	11.6
POWER																
AVE POWER MW	238	140	268	290	338	364	413	412	376	259	253	249	205	213	200	148
PEAK POW MW	704	708	710	713	713	720	712	702	690	683	680	678	679	680	688	701
ENERGY GWH 2546.5	85.8	23.5	57.9	209.2	251.5	262.0	307.4	306.7	270.5	193.0	91.0	41.9	39.3	158.5	148.5	99.7
--BIG BEND--																
EVAPORATION 103							6	20	25	22	10	5	5	11		
REG INFLOW 16309	552	150	370	1334	1603	1666	1952	1950	1731	1240	588	271	254	1031	972	645
RELEASE 16309	552	150	370	1334	1603	1666	1952	1950	1731	1240	588	271	254	1031	972	645
STORAGE 1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682
ELEV FTMSL 1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
DISCH KCFS 11.6	18.5	10.8	20.7	22.4	26.1	28.0	31.7	31.7	29.1	20.2	19.8	19.5	16.0	16.8	15.8	11.6
POWER																
AVE POWER MW	87	51	97	105	122	131	149	148	138	99	99	98	81	83	77	56
PEAK POW MW	510	509	509	509	509	509	509	509	517	538	538	538	538	538	537	529
ENERGY GWH 939.1	31.3	8.5	21.0	75.5	90.8	94.3	110.5	110.4	99.3	73.5	35.7	16.5	15.5	61.7	57.1	37.5
--FORT RANDALL--																
NAT INFLOW 900	122	57	73	115	140	185	74	57	42	2	2	1	1	10		19
DEPLETION 80	1	1	1	4	9	12	18	15	7	1	1	0	1	3	3	3
EVAPORATION 118							8	25	31	25	10	4	4	10		
REG INFLOW 17011	673	206	443	1445	1734	1839	2000	1967	1735	1216	579	268	250	1028	969	661
RELEASE 17011	265	189	443	1445	1734	1839	2000	1967	1879	1853	883	413	272	662	658	511
STOR CHANGE 0	408	17					0	0	-144	-637	-304	-145	-22	366	311	150
STORAGE 3124	3532	3549	3549	3549	3549	3549	3549	3549	3405	2768	2464	2319	2297	2663	2974	3124
ELEV FTMSL 1350.0	1355.0	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1353.5	1345.1	1340.4	1337.9	1337.5	1343.5	1348.0	1350.0
DISCH KCFS 9.3	8.9	13.6	24.8	24.3	28.2	30.9	32.5	32.0	31.6	30.1	29.7	29.7	17.1	10.8	10.7	9.2
POWER																
AVE POWER MW	74	115	208	204	236	258	272	267	262	240	223	216	124	80	84	74
PEAK POW MW	351	352	352	352	352	352	352	352	345	310	289	278	276	303	324	331
ENERGY GWH 1679.6	26.6	19.4	44.9	146.7	175.7	186.0	202.1	198.8	188.7	178.5	80.3	36.3	23.8	59.8	62.3	49.8
--GAVINS POINT--																
NAT INFLOW 1450	92	43	55	148	174	166	86	103	77	122	50	23	27	77	79	127
DEPLETION 114	0	0	0	5	19	24	39	10	-5	2	5	2	3	10	1	
CHAN STOR -1	1	-9	-21	1	-8	-5	-3	1	1	3	1	0	24	12	0	3
EVAPORATION 37							2	7	9	8	4	2	2	4		
REG INFLOW 18309	358	224	477	1589	1882	1976	2041	2054	1953	1968	925	432	317	737	736	641
RELEASE 18309	358	224	477	1589	1882	1976	2041	2041	1940	1968	925	432	317	737	736	667
STOR CHANGE								13	13							-26
STORAGE 358	358	358	358	358	358	358	358	371	384	384	384	384	384	384	384	358
ELEV FTMSL 1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.5	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1206.0
DISCH KCFS 12.0	12.0	16.1	26.7	26.7	30.6	33.2	33.2	33.2	32.6	32.0	31.1	31.1	20.0	12.0	12.0	12.0
POWER																
AVE POWER MW	42	56	91	91	102	108	108	109	108	107	105	105	70	43	43	42
PEAK POW MW	114	114	114	114	114	114	114	115	115	115	115	115	115	77	77	76
ENERGY GWH 743.8	15.2	9.4	19.7	65.7	76.1	77.8	80.4	80.7	77.9	79.8	37.9	17.7	13.5	31.8	31.8	28.5
--GAVINS POINT - SIOUX CITY--																
NAT INFLOW 1550	169	79	102	199	310	224	129	96	60	42	16	7	9	21	5	82
DEPLETION 247	6	3	4	20	34	30	36	34	22	9	6	3	3	12	13	13
REGULATED FLOW AT SIOUX CITY																
KAF 19612	522	300	575	1768	2158	2170	2134	2103	1978	2001	936	437	323	746	728	736
KCFS	17.5	21.6	32.2	29.7	35.1	36.5	34.7	34.2	33.2	32.5	31.5	31.5	20.4	12.1	11.8	13.2
--TOTAL--																
NAT INFLOW 24601	1435	669	860	2307	3493	6073	3346	1194	1113	1032	452	211	241	651	582	943
DEPLETION 2332	10	5	6	118	654	1576	944	92	-223	-66	-123	-57	-65	-207	-206	-126
CHAN STOR 13	97	1	-21	-21	-26	-28	-1	3	63	23	-45	-10	-6	12	-22	-5
EVAPORATION 1729							108	338	420	361	160	74	85	184		
STORAGE 54968	55968	56333	56591	56992	57647	59947	60106	58769	57770	56530	55963	55710	55603	55543	55581	55909
SYSTEM POWER																
AVE POWER MW	731	639	942	1018	1177	1289	1367	1356	1170	945	982	985	867	805	836	776
PEAK POW MW	2257	2261	2264	2267	2271	2291	2293	2272	2260	2235	2211	2198	2196	2184	2205	2213
ENERGY GWH 9110.1	263.2	107.3	203.5	733.1	875.4	928.1	1017.4	1008.9	842.2	703.1	353.6	165.4	166.4	598.9	622.3	521.2
DAILY GWH	17.5	15.3	22.6	24.4	28.2	30.9	32.8	32.5	28.1	22.7	23.6	23.6	20.8	19.3	20.1	18.6

INI-SUM 15MAR 22MAR 31MAR 30APR 31MAY 30JUN 31JUL 31AUG 30SEP 31OCT 15NOV 22NOV 30NOV 31DEC 31JAN 28FEB

VALUES IN 1000 AF EXCEPT AS INDICATED

	28FEB05	2005												2006			
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB
--FORT PECK--																	
NAT INFLOW	7400	264	123	158	628	1210	1851	829	324	319	398	188	88	100	310	261	349
DEPLETION	387	-13	-6	-8	50	325	590	190	-75	-142	-75	-39	-18	-21	-133	-144	-94
EVAPORATION	468							28	90	112	98	44	21	24	51		
MOD INFLOW	6545	277	129	166	578	885	1261	611	309	349	375	182	85	97	392	405	443
RELEASE	6690	179	69	89	417	492	1119	553	553	410	330	238	125	159	615	676	666
STOR CHANGE	-145	99	60	77	161	393	142	57	-244	-61	45	-56	-40	-61	-223	-271	-223
STORAGE	15044	15142	15202	15279	15441	15834	15976	16033	15789	15728	15773	15717	15677	15616	15393	15122	14898
ELEV FTMSL	2234.2	2234.7	2235.0	2235.3	2236.1	2237.9	2238.5	2238.8	2237.7	2237.4	2237.6	2237.3	2237.2	2236.9	2235.9	2234.6	2233.5
DISCH KCFS	11.0	6.0	5.0	5.0	7.0	8.0	18.8	9.0	9.0	6.9	5.4	8.0	9.0	10.0	10.0	11.0	12.0
POWER																	
AVE POWER MW		82	68	68	96	110	211	124	124	95	74	110	124	137	137	150	163
PEAK POW MW		209	209	209	210	211	211	212	211	211	211	211	211	210	210	209	208
ENERGY GWH	1075.4	29.5	11.5	14.8	68.9	81.7	152.0	92.3	92.2	68.2	54.9	39.6	20.8	26.3	101.8	111.6	109.5
--GARRISON--																	
NAT INFLOW	11001	469	219	282	853	1423	2958	2066	581	497	454	192	89	102	253	237	326
DEPLETION	952	-7	-3	-4	-8	204	815	548	29	-132	-3	-103	-48	-55	-116	-100	-66
CHAN STOR	-11	50	10		-20	-10	-107	95		20	15	-26	-10	-10	0	-10	-10
EVAPORATION	546							33	105	131	114	52	24	27	59		
REG INFLOW	16182	705	302	375	1258	1701	3154	2133	1000	928	687	455	228	278	925	1004	1049
RELEASE	14349	506	236	303	1071	1322	1398	1414	1383	982	870	421	264	317	1230	1353	1277
STOR CHANGE	1833	199	66	71	186	379	1756	719	-383	-55	-183	34	-35	-39	-305	-349	-229
STORAGE	17098	17297	17362	17434	17620	17999	19755	20474	20091	20037	19854	19888	19852	19813	19508	19159	18930
ELEV FTMSL	1834.1	1834.8	1835.0	1835.3	1835.9	1837.1	1842.6	1844.8	1843.6	1843.5	1842.9	1843.0	1842.9	1842.8	1841.9	1840.8	1840.1
DISCH KCFS	25.0	17.0	17.0	17.0	18.0	21.5	23.5	23.0	22.5	16.5	14.2	14.2	19.0	20.0	20.0	22.0	23.0
POWER																	
AVE POWER MW		208	209	209	222	266	296	295	289	212	182	182	243	256	255	279	291
PEAK POW MW		369	370	370	372	376	398	400	399	399	399	399	399	399	397	386	385
ENERGY GWH	2196.9	74.9	35.1	45.1	159.7	197.8	213.4	219.5	215.3	152.9	135.3	65.4	40.9	49.1	189.8	207.4	195.4
--OAHE--																	
NAT INFLOW	2300	317	148	190	364	236	689	162	33	118	14	5	2	3	-20		40
DEPLETION	597	22	10	13	46	65	126	147	96	24	-8	2	1	1	11	16	25
CHAN STOR	7	32			-4	-14	-8	2	2	24	10	0	-21	-4	0	-9	-4
EVAPORATION	478							31	95	116	98	44	20	23	51		
REG INFLOW	15581	832	373	480	1385	1479	1954	1400	1227	985	804	381	224	292	1148	1328	1288
RELEASE	16412	434	251	387	1334	1603	1666	1958	1970	1756	1261	598	276	259	1043	972	645
STOR CHANGE	-831	398	122	93	52	-124	288	-558	-743	-771	-458	-217	-52	33	105	356	643
STORAGE	18604	19002	19124	19217	19269	19145	19433	18875	18132	17361	16903	16686	16634	16667	16773	17129	17772
ELEV FTMSL	1606.8	1608.0	1608.4	1608.7	1608.9	1608.5	1609.4	1607.6	1605.2	1602.6	1601.0	1600.2	1600.1	1600.2	1600.5	1601.8	1604.0
DISCH KCFS	11.6	14.6	18.1	21.7	22.4	26.1	28.0	31.8	32.0	29.5	20.5	20.1	19.9	16.3	17.0	15.8	11.6
POWER																	
AVE POWER MW		188	234	281	291	337	363	411	409	372	256	249	246	202	210	197	146
PEAK POW MW		708	710	711	712	710	715	706	693	679	671	667	666	666	668	675	687
ENERGY GWH	2528.7	67.7	39.3	60.7	209.2	251.1	261.1	305.7	304.2	267.7	190.6	89.8	41.3	38.8	156.5	146.6	98.3
--BIG BEND--																	
EVAPORATION	103							6	20	25	22	10	5	5	11		
REG INFLOW	16309	434	251	387	1334	1603	1666	1952	1950	1731	1240	588	271	254	1031	972	645
RELEASE	16309	434	251	387	1334	1603	1666	1952	1950	1731	1240	588	271	254	1031	972	645
STORAGE	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682
ELEV FTMSL	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
DISCH KCFS	11.6	14.6	18.1	21.7	22.4	26.1	28.0	31.7	31.7	29.1	20.2	19.8	19.5	16.0	16.8	15.8	11.6
POWER																	
AVE POWER MW		69	85	102	105	122	131	149	148	138	99	99	98	81	83	77	56
PEAK POW MW		517	510	509	509	509	509	509	509	517	538	538	538	538	538	537	529
ENERGY GWH	939.4	24.9	14.3	21.9	75.5	90.8	94.3	110.5	110.4	99.3	73.5	35.7	16.5	15.5	61.7	57.1	37.5
--FORT RANDALL--																	
NAT INFLOW	900	122	57	73	115	140	185	74	57	42	2	2	1	1	10		19
DEPLETION	80	1	1	1	4	9	12	18	15	7	1	1	0	1	3	3	3
EVAPORATION	118							8	25	31	25	10	4	4	10		
REG INFLOW	17011	555	308	460	1445	1734	1839	2000	1967	1735	1216	579	268	250	1028	969	661
RELEASE	17011	265	189	443	1445	1734	1839	2000	1967	1879	1853	883	413	272	662	658	511
STOR CHANGE	0	290	118	17	0			0	0	-144	-637	-304	-145	-22	366	311	150
STORAGE	3124	3414	3532	3549	3549	3549	3549	3549	3549	3405	2768	2464	2319	2297	2663	2974	3124
ELEV FTMSL	1350.0	1353.6	1355.0	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1353.5	1345.1	1340.4	1337.9	1337.5	1343.5	1348.0	1350.0
DISCH KCFS	9.2	8.9	13.6	24.8	24.3	28.2	30.9	32.5	32.0	31.6	30.1	29.7	29.7	17.1	10.8	10.7	9.2
POWER																	
AVE POWER MW		73	114	208	204	236	258	272	267	262	240	223	216	124	80	84	74
PEAK POW MW		346	351	352	352	352	352	352	352	345	310	289	278	276	303	324	331
ENERGY GWH	1679.3	26.4	19.2	44.9	146.7	175.7	186.0	202.1	198.8	188.7	178.5	80.3	36.3	23.8	59.8	62.3	49.8
--GAVINS POINT--																	
NAT INFLOW	1450	92	43	55	148	174	166	86	103	77	122	50	23	27	77	79	127
DEPLETION	114	0	0	0	5	19	24	39	10	-5	2	5	2	3	10	1	
CHAN STOR	-1	1	-9	-21	1	-8	-5	-3	1	1	3	1	0	24	12	0	3
EVAPORATION	37							2	7	9	8	4	2	2	4		
REG INFLOW	18309	358	224	477	1589	1882	1976	2041	2054	1953	1968	925	432	317	737	736	641
RELEASE	18309	358	224	477	1589	1882	1976	2041	2041	1940	1968	925	432	317	737	736	667
STOR CHANGE									13	13							-26
STORAGE	358	358	358	358	358	358	358	358	371	384	384	384	384	384	384	384	358
ELEV FTMSL	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.5	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1206.0
DISCH KCFS	12.0	12.0	16.1	26.7	26.7	30.6	33.2	33.2	33.2	32.6	32.0	31.1	31.1	20.0	12.0	12.0	12.0
POWER																	
AVE POWER MW		42	56	91	91	102	108	108	109	108	107	105	105	70	43	43	42
PEAK POW MW		114	114	114	114	114	114	114	115	115	115	115	115	115	77	77	76
ENERGY GWH	743.8	15.2	9.4	19.7	65.7	76.1	77.8	80.4	80.7	77.9	79.8	37.9	17.7	13.5	31.8	31.8	28.5
--GAVINS POINT - SIOUX CITY--																	
NAT INFLOW	1550	169	79	102	199	310	224	129	96	60	42	16	7	9	21	5	82
DEPLETION	248	6	3	4	20	34	30	37	34	22	9	6	3	3	12	13	13
REGULATED FLOW AT SIOUX CITY																	
KAF	19611	521	300	575	1768	2158	2170	2133	2103	1978	2001	936	437	323	746	728	736
KCFS		17.5	21.6	32.2	29.7	35.1	36.5	34.7	34.2	33.2	32.5	31.5	31.5	20.4	12.1	11.8	13.2
--TOTAL--																	
NAT INFLOW	24601	1435	669	860	2307	3493	6073	3346	1194	1113	1032	452	211	241	651	582	943
DEPLETION	2378	10	5	6	117	656	1597	979	109	-226	-74	-129	-60	-69	-213	-211	-119
CHAN STOR	-5	83	1	-21	-23	-31	-120	94	3	46	27	-25	-31	10	12	-18	-11
EVAPORATION	1751							109	341	425	365	163	75	86	187		
STORAGE	55909	56895	57261	57519	57919	58567	60753	60972	59615	58597	57364	56821	56549	56459	56403	56450	56765
SYSTEM POWER																	
AVE POWER MW		663	767	959	1008	1174	1367	1358	1346	1187	958	969	1032	870	808	829	772
PEAK POW MW		2262	2264	2266	2270	2272	2300	2292	2279	2267	2243	2218	2206	2204	2193	2207	2215
ENERGY GWH	9163.5	238.6	128.8	207.1	725.7	873.1	984.5	1010.5	1001.7	854.5	712.7	348.7	173.5	167.0	601.5	616.8	519.0
DAILY GWH		15.9	18.4	23.0	24.2	28.2	32.8	32.6	32.3	28.5	23.0	23.2	24.8	20.9	19.4	19.9	18.5

INI-SUM 15MAR 22MAR 31MAR 30APR 31MAY 30JUN 31JUL 31AUG 30SEP 31OCT 15NOV 22NOV 30NOV 31DEC 31JAN 28FEB

VALUES IN 1000 AF EXCEPT AS INDICATED

	28FEB06		2006											2007			
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB
--FORT PECK--																	
NAT INFLOW	7400	264	123	158	628	1210	1851	829	324	319	398	188	88	100	310	261	349
DEPLETION	399	-13	-6	-8	50	326	595	197	-71	-142	-77	-40	-19	-21	-134	-144	-94
EVAPORATION	456							28	88	110	95	43	20	23	49		
MOD INFLOW	6545	277	129	166	578	884	1256	604	307	351	380	185	86	99	395	405	443
RELEASE	7409	179	69	89	536	615	714	738	738	631	508	246	115	159	615	738	722
STOR CHANGE	-865	99	60	77	42	269	542	-134	-431	-279	-128	-61	-28	-60	-220	-333	-279
STORAGE	14898	14997	15057	15134	15176	15446	15988	15853	15422	15143	15015	14954	14925	14865	14645	14312	14033
ELEV FTMSL	2233.5	2234.0	2234.3	2234.6	2234.8	2236.1	2238.6	2238.0	2236.0	2234.7	2234.1	2233.8	2233.7	2233.4	2232.3	2230.7	2229.3
DISCH KCFS	12.0	6.0	5.0	5.0	9.0	10.0	12.0	12.0	12.0	10.6	8.3	8.3	8.3	10.0	10.0	12.0	13.0
POWER																	
AVE POWER MW		82	68	68	123	136	165	165	164	145	112	112	112	136	135	162	174
PEAK POW MW		208	209	209	209	210	212	211	210	209	208	208	208	208	207	206	205
ENERGY GWH	1219.7	29.4	11.4	14.7	88.3	101.5	118.5	122.8	122.3	104.1	83.6	40.4	18.8	26.0	100.7	120.3	116.8
--GARRISON--																	
NAT INFLOW	11001	469	219	282	853	1423	2958	2066	581	497	454	192	89	102	253	237	326
DEPLETION	1181	-6	-3	-4	-7	204	825	564	35	-135	28	-84	-39	-45	-72	-55	-25
CHAN STOR	-10	59	10		-39	-10	-19			13	22			-17	0	-20	-10
EVAPORATION	552							34	108	134	115	51	24	27	58		
REG INFLOW	16668	713	301	375	1357	1824	2828	2206	1176	1142	841	470	219	262	882	1010	1063
RELEASE	17490	506	236	303	1250	1599	1666	1691	1660	1457	1505	728	305	317	1230	1537	1500
STOR CHANGE	-823	207	65	71	107	225	1161	515	-484	-315	-664	-258	-86	-56	-348	-527	-436
STORAGE	18930	19138	19203	19274	19381	19606	20768	21282	20798	20483	19819	19561	19475	19419	19071	18544	18107
ELEV FTMSL	1840.1	1840.7	1840.9	1841.2	1841.5	1842.2	1845.6	1847.1	1845.7	1844.8	1842.8	1842.0	1841.8	1841.6	1840.5	1838.9	1837.5
DISCH KCFS	23.0	17.0	17.0	17.0	21.0	26.0	28.0	27.5	27.0	24.5	24.5	24.5	22.0	20.0	20.0	25.0	27.0
POWER																	
AVE POWER MW		215	215	216	266	330	355	354	348	316	314	312	280	254	253	315	333
PEAK POW MW		386	387	389	392	398	400	401	400	400	399	398	396	394	386	381	377
ENERGY GWH	2691.1	77.4	36.2	46.6	191.7	245.3	255.5	263.5	259.3	227.7	233.5	112.2	47.0	48.8	188.5	234.2	223.8
--OAHE--																	
NAT INFLOW	2300	317	148	190	364	236	689	162	33	118	14	5	2	3	-20		40
DEPLETION	613	23	11	14	47	66	129	151	100	25	-8	2	1	1	11	16	26
CHAN STOR	-15	25			-16	-20	-8	2	2	10			10	8	0	-20	-8
EVAPORATION	501							31	96	119	104	47	22	25	55		
REG INFLOW	18661	824	373	480	1550	1749	2218	1673	1499	1440	1423	684	295	302	1144	1501	1506
RELEASE	16642	474	212	386	1334	1603	1666	1958	1970	1756	1261	598	276	259	1130	1047	711
STOR CHANGE	2019	350	161	93	217	146	552	-285	-471	-316	162	87	19	43	13	454	794
STORAGE	17772	18122	18283	18377	18593	18739	19291	19006	18535	18219	18381	18468	18487	18530	18543	18997	19791
ELEV FTMSL	1604.0	1605.2	1605.7	1606.0	1606.7	1607.2	1609.0	1608.1	1606.5	1605.5	1606.0	1606.3	1606.4	1606.5	1606.6	1608.0	1610.5
DISCH KCFS	11.6	15.9	15.3	21.6	22.4	26.1	28.0	31.8	32.0	29.5	20.5	20.1	19.9	16.3	18.4	17.0	12.8
POWER																	
AVE POWER MW		202	195	276	287	334	361	411	411	376	262	257	255	209	236	219	167
PEAK POW MW		693	695	697	701	703	713	708	700	694	697	699	699	700	700	708	721
ENERGY GWH	2583.9	72.9	32.8	59.7	206.6	248.8	259.9	305.7	305.6	270.8	194.8	92.6	42.8	40.2	175.4	163.3	112.2
--BIG BEND--																	
EVAPORATION	103							6	20	25	22	10	5	5	11		
REG INFLOW	16539	474	212	386	1334	1603	1666	1952	1950	1731	1240	588	271	254	1119	1047	711
RELEASE	16539	474	212	386	1334	1603	1666	1952	1950	1731	1240	588	271	254	1119	1047	711
STORAGE	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682
ELEV FTMSL	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
DISCH KCFS	11.6	15.9	15.3	21.6	22.4	26.1	28.0	31.7	31.7	29.1	20.2	19.8	19.5	16.0	18.2	17.0	12.8
POWER																	
AVE POWER MW		75	72	101	105	122	131	149	148	138	99	99	98	81	90	83	61
PEAK POW MW		515	510	509	509	509	509	509	509	517	538	538	538	538	538	537	529
ENERGY GWH	952.8	27.1	12.0	21.9	75.6	90.8	94.3	110.5	110.4	99.3	73.5	35.7	16.5	15.5	66.9	61.5	41.3
--FORT RANDALL--																	
NAT INFLOW	900	122	57	73	115	140	185	74	57	42	2	2	1	1	10		19
DEPLETION	80	1	1	1	4	9	12	18	15	7	1	1	0	1	3	3	3
EVAPORATION	118							8	25	31	25	10	4	4	10		
REG INFLOW	17241	595	269	459	1445	1734	1839	2000	1967	1735	1216	579	268	250	1115	1044	727
RELEASE	17241	263	192	442	1445	1734	1839	2000	1967	1879	1853	883	413	272	749	733	577
STOR CHANGE	0	332	76	17			0	0	0	-144	-637	-304	-145	-22	366	311	150
STORAGE	3124	3456	3532	3549	3549	3549	3549	3549	3549	3405	2768	2464	2319	2297	2663	2974	3124
ELEV FTMSL	1350.0	1354.1	1355.0	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1353.5	1345.1	1340.4	1337.9	1337.5	1343.5	1348.0	1350.0
DISCH KCFS	9.2	8.9	13.9	24.8	24.3	28.2	30.9	32.5	32.0	31.6	30.1	29.7	29.7	17.1	12.2	11.9	10.4
POWER																	
AVE POWER MW		73	116	207	204	236	258	272	267	262	240	223	216	124	91	93	84
PEAK POW MW		348	351	352	352	352	352	352	352	345	310	289	278	276	303	324	331
ENERGY GWH	1700.8	26.3	19.6	44.8	146.7	175.7	186.0	202.1	198.8	188.7	178.5	80.3	36.3	23.8	67.7	69.4	56.2
--GAVINS POINT--																	
NAT INFLOW	1450	92	43	55	148	174	166	86	103	77	122	50	23	27	77	79	127
DEPLETION	114	0	0	0	5	19	24	39	10	-5	2	5	2	3	10	1	
CHAN STOR	-3	1	-10	-21	1	-8	-5	-3	1	1	3	1	0	24	9	0	3
EVAPORATION	37							2	7	9	8	4	2	2	4		
REG INFLOW	18537	357	226	477	1589	1882	1976	2041	2054	1953	1968	925	432	317	822	812	707
RELEASE	18537	357	226	477	1589	1882	1976	2041	2041	1940	1968	925	432	317	822	812	733
STOR CHANGE									13	13							-26
STORAGE	358	358	358	358	358	358	358	358	371	384	384	384	384	384	384	384	358
ELEV FTMSL	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.5	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1206.0
DISCH KCFS	12.0	12.0	16.3	26.7	26.7	30.6	33.2	33.2	33.2	32.6	32.0	31.1	31.1	20.0	13.4	13.2	13.2
POWER																	
AVE POWER MW		42	57	91	91	102	108	108	109	108	107	105	105	70	48	47	47
PEAK POW MW		114	114	114	114	114	114	114	115	115	115	115	115	115	77	77	76
ENERGY GWH	753.4	15.1	9.5	19.7	65.7	76.1	77.8	80.4	80.7	77.9	79.8	37.9	17.7	13.5	35.4	35.0	31.3
--GAVINS POINT - SIOUX CITY--																	
NAT INFLOW	1550	169	79	102	199	310	224	129	96	60	42	16	7	9	21	5	82
DEPLETION	251	6	3	4	21	35	30	37	34	22	10	6	3	3	12	13	13
REGULATED FLOW AT SIOUX CITY																	
KAF	19836	520	302	574	1767	2157	2170	2133	2103	1978	2000	936	437	323	831	804	802
KCFS		17.5	21.8	32.2	29.7	35.1	36.5	34.7	34.2	33.2	32.5	31.5	31.5	20.4	13.5	13.1	14.4
--TOTAL--																	
NAT INFLOW	24601	1435	669	860	2307	3493	6073	3346	1194	1113	1032	452	211	241	651	582	943
DEPLETION	2638	11	5	6	120	659	1615	1006	123	-228	-44	-111	-52	-59	-170	-166	-77
CHAN STOR	-28	84	0	-21	-54	-37	-33	-1	3	24	25	1	10	15	9	-39	-15
EVAPORATION	1767							110	344	429	369	164	76	87	188		
STORAGE	56765	57753	58115	58373	58739	59379	61635	61731	60357	59316	58049	57512	57271	57177	56988	56893	57096
SYSTEM POWER																	
AVE POWER MW		690	724	960	1076	1261	1378	1458	1448	1345	1134	1109	1066	874	853	919	865
PEAK POW MW		2264	2266	2270	2277	2286	2300	2296	2286	2281	2267	2247	2233	2230	2211	2232	2239
ENERGY GWH	9901.6	248.2	121.6	207.4	774.5	938.1	991.9	1084.9	1077.2	968.4	843.9	399.1	179.1	167.8	634.6	683.5	581.5
DAILY GWH		16.5	17.4	23.0	25.8	30.3	33.1	35.0	34.7	32.3	27.2	26.6	25.6	21.0	20.5	22.0	20.8
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB

TIME OF STUDY 09:38:40 NAVIGATION SEASON SHORTENED AT 52 MAF ON JULY 1 STUDY NO 15
VALUES IN 1000 AF EXCEPT AS INDICATED

28 FEB02		2002											2003			
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB
--FORT PECK--																	
NAT INFLOW	6556	264	123	158	574	1011	1589	692	287	275	354	183	85	98	322	231	309
DEPLETION	356	-8	-4	-5	69	302	484	159	-69	-129	-64	-32	-15	-17	-109	-124	-83
EVAPORATION	497							30	95	119	104	47	22	25	54		
MOD INFLOW	5703	272	127	163	505	709	1105	503	261	285	314	167	78	89	377	355	392
RELEASE	5587	134	62	80	417	461	506	523	523	320	269	130	62	143	615	676	666
STOR CHANGE	115	139	65	83	88	248	599	-20	-262	-35	45	37	16	-54	-238	-321	-274
STORAGE	12136	12274	12339	12422	12511	12758	13358	13338	13076	13041	13086	13123	13139	13085	12847	12526	12251
ELEV FTMSL	2219.2	2219.9	2220.3	2220.7	2221.2	2222.6	2225.8	2225.7	2224.3	2224.1	2224.4	2224.6	2224.7	2224.4	2223.1	2221.3	2219.8
DISCH KCFS	11.0	4.5	4.5	4.5	7.0	7.5	8.5	8.5	8.5	5.4	4.4	4.4	4.5	9.0	10.0	11.0	12.0
POWER																	
AVE POWER MW		58	58	58	91	98	112	113	112	71	58	58	59	119	131	143	155
PEAK POW MW		196	196	197	197	199	202	202	200	200	200	201	201	200	199	197	196
ENERGY GWH	885.0	20.9	9.8	12.6	65.4	72.7	80.5	83.7	83.5	51.1	42.9	20.8	10.0	22.8	97.6	106.5	104.1
--GARRISON--																	
NAT INFLOW	10069	475	221	285	763	1282	2701	1891	532	446	428	175	82	93	238	177	280
DEPLETION	1136	28	13	17	50	187	744	477	52	-94	40	-84	-39	-45	-89	-74	-47
CHAN STOR	-10	68			-26	-5	-10	0		32	10	0	-1	-46	-10	-10	-10
EVAPORATION	580							35	112	140	122	55	25	29	62		
REG INFLOW	13930	649	271	349	1104	1551	2452	1901	891	752	545	334	156	206	869	917	983
RELEASE	13790	476	222	286	1071	1230	1309	1322	1291	952	888	430	207	301	1230	1353	1222
STOR CHANGE	140	173	49	63	32	321	1143	579	-401	-200	-342	-96	-51	-96	-360	-436	-239
STORAGE	14628	14801	14850	14913	14945	15266	16410	16989	16588	16388	16046	15950	15899	15803	15443	15007	14768
ELEV FTMSL	1825.3	1825.9	1826.1	1826.3	1826.5	1827.6	1831.7	1833.8	1832.4	1831.7	1830.5	1830.1	1829.9	1829.6	1828.3	1826.7	1825.8
DISCH KCFS	23.0	16.0	16.0	16.0	18.0	20.0	22.0	21.5	21.0	16.0	14.4	14.4	14.9	19.0	20.0	22.0	22.0
POWER																	
AVE POWER MW		185	186	186	209	233	260	260	254	193	173	172	178	225	236	257	255
PEAK POW MW		343	344	344	345	348	360	366	362	360	356	355	355	354	350	345	343
ENERGY GWH	1971.8	66.6	31.2	40.1	150.5	173.3	187.5	193.2	189.1	138.9	128.9	62.1	29.9	43.3	175.5	190.9	171.0
--OAHE--																	
NAT INFLOW	1761	187	87	112	278	158	701	124	29	79	11				-42	-7	44
DEPLETION	557	22	10	13	45	61	117	134	87	22	-7	2	1	1	11	15	24
CHAN STOR	4	32			-9	-9	-9	2	2	23	7	0	-2	-19	-5	-9	0
EVAPORATION	516							33	101	124	106	48	23	26	57		
REG INFLOW	14482	673	299	385	1295	1318	1884	1282	1135	908	807	380	182	256	1116	1321	1242
RELEASE	14338	443	268	377	1294	1517	1407	1706	1700	1519	1008	242	18	115	1073	945	706
STOR CHANGE	144	230	31	8	1	-199	477	-425	-565	-611	-201	138	164	141	43	376	536
STORAGE	15265	15495	15526	15534	15535	15336	15813	15388	14822	14211	14011	14149	14313	14453	14496	14873	15408
ELEV FTMSL	1595.0	1595.9	1596.0	1596.0	1596.0	1595.3	1597.1	1595.5	1593.3	1590.8	1590.0	1590.6	1591.2	1591.8	1592.0	1593.5	1595.5
DISCH KCFS	12.9	14.9	19.3	21.1	21.8	24.7	23.6	27.8	27.7	25.5	16.4	8.1	1.3	7.3	17.4	15.4	12.7
POWER																	
AVE POWER MW		180	233	255	263	297	286	335	331	302	192	96	15	86	206	183	153
PEAK POW MW		645	646	646	646	642	651	643	632	620	616	619	622	625	626	633	643
ENERGY GWH	2077.3	64.7	39.2	55.2	189.4	221.3	205.9	249.5	246.0	217.2	143.2	34.4	2.5	16.5	153.6	136.0	102.7
--BIG BEND--																	
EVAPORATION	129							8	24	31	27	12	6	7	14		
REG INFLOW	14210	443	268	377	1294	1517	1407	1699	1676	1489	981	230	12	109	1058	945	706
RELEASE	14210	443	268	377	1294	1517	1407	1699	1676	1489	981	230	12	109	1058	945	706
STORAGE	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682
ELEV FTMSL	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
DISCH KCFS	12.9	14.9	19.3	21.1	21.8	24.7	23.6	27.6	27.3	25.0	16.0	7.7	0.9	6.8	17.2	15.4	12.7
POWER																	
AVE POWER MW		70	90	99	102	115	111	129	128	119	78	39	4	35	85	74	61
PEAK POW MW		517	510	509	509	509	509	509	509	517	538	538	538	538	538	536	526
ENERGY GWH	816.4	25.4	15.2	21.4	73.3	85.9	79.7	96.2	94.9	85.4	58.3	14.1	0.7	6.7	63.0	55.4	40.8
--FORT RANDALL--																	
NAT INFLOW	643	88	41	53	82	66	167	33	63	30	2				6	-6	19
DEPLETION	80	1	1	1	4	9	12	18	15	7	1	1	0	1	3	3	3
EVAPORATION	148							10	32	39	31	12	5	6	13		
REG INFLOW	14624	529	308	429	1372	1574	1562	1704	1692	1472	951	217	6	102	1048	936	722
RELEASE	14561	256	173	412	1372	1574	1562	1704	1692	1617	1588	521	86	124	683	664	533
STOR CHANGE	63	273	135	17				0	0	-144	-638	-304	-80	-22	366	272	189
STORAGE	3124	3397	3532	3549	3549	3549	3549	3549	3549	3404	2767	2462	2383	2361	2726	2998	3187
ELEV FTMSL	1350.0	1353.4	1355.0	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1353.5	1345.1	1340.4	1339.0	1338.6	1344.5	1348.3	1350.8
DISCH KCFS	9.7	8.6	12.4	23.1	23.1	25.6	26.3	27.7	27.5	27.2	25.8	17.5	6.2	7.8	11.1	10.8	9.6
POWER																	
AVE POWER MW		71	104	193	194	215	220	232	231	226	206	133	46	58	84	85	78
PEAK POW MW		345	351	352	352	352	352	352	352	345	310	288	282	281	308	325	335
ENERGY GWH	1446.8	25.5	17.5	41.8	139.4	159.7	158.4	172.6	171.5	162.7	153.4	47.8	7.7	11.1	62.3	63.2	52.2
--GAVINS POINT--																	
NAT INFLOW	1335	98	46	59	132	147	153	87	85	62	112	50	23	27	75	73	107
DEPLETION	114	0	0	0	5	19	24	39	10	-5	2	5	2	3	10	1	
CHAN STOR	-1	2	-7	-20	0	-5	-1	-3	0	1	3	16	21	-3	-6	1	2
EVAPORATION	47							3	9	11	10	5	2	2	5		
REG INFLOW	15735	356	211	450	1499	1697	1690	1746	1759	1673	1691	577	126	143	736	737	642
RELEASE	15735	356	211	450	1499	1697	1690	1746	1746	1660	1691	577	126	143	736	737	668
STOR CHANGE									13	13							-26
STORAGE	358	358	358	358	358	358	358	358	371	384	384	384	384	384	384	384	358
ELEV FTMSL	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.5	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1206.0
DISCH KCFS	12.0	12.0	15.2	25.2	25.2	27.6	28.4	28.4	28.4	27.9	27.5	19.4	9.1	9.0	12.0	12.0	12.0
POWER																	
AVE POWER MW		42	53	86	86	94	97	97	97	97	96	68	32	32	43	43	43
PEAK POW MW		114	114	114	114	114	114	114	115	115	115	115	115	115	77	77	76
ENERGY GWH	657.7	15.1	8.9	18.7	62.1	70.0	69.6	71.9	72.3	69.5	71.2	24.6	5.4	6.2	31.8	31.8	28.6
--GAVINS POINT - SIOUX CITY--																	
NAT INFLOW	1135	145	68	87	113	219	158	95	70	44	31	16	7	9	16	-3	60
DEPLETION	239	6	3	3	19	34	29	36	33	21	9	5	2	3	11	12	13
REGULATED FLOW AT SIOUX CITY																	
KAF	16631	496	276	534	1593	1882	1819	1805	1783	1683	1713	588	131	149	741	722	715
KCFS		16.7	19.9	29.9	26.8	30.6	30.6	29.4	29.0	28.3	27.9	19.8	9.4	9.4	12.1	11.7	12.9
--TOTAL--																	
NAT INFLOW	21499	1256	586	753	1942	2883	5469	2922	1066	936	938	424	198	226	615	465	819
DEPLETION	2482	48	22	29	192	612	1410	863	128	-178	-19	-103	-48	-55	-163	-167	-90
CHAN STOR	-7	102	-7	-20	-35	-19	-21	-1	3	55	20	16	18	-69	-21	-19	-8
EVAPORATION	1917							119	372	464	400	178	83	95	206		
STORAGE	47192	48007	48287	48458	48580	48949	51169	51304	50088	49110	47975	47750	47800	47769	47579	47470	47655
SYSTEM POWER																	
AVE POWER MW		606	725	878	945	1052	1086	1166	1152	1007	804	566	335	554	785	785	743
PEAK POW MW		2160	2161	2162	2163	2164	2188	2186	2170	2158	2136	2117	2113	2113	2098	2113	2118
ENERGY GWH	7855.1	218.2	121.8	189.7	680.2	782.9	781.6	867.1	857.3	724.8	597.9	203.8	56.3	106.5	583.7	584.0	499.5
DAILY GWH		14.5	17.4	21.1	22.7	25.3	26.1	28.0	27.7	24.2	19.3	13.6	8.0	13.3	18.8	18.8	17.8
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB

	28 FEB03		2003										2004			
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	29FEB
--FORT PECK--																	
NAT INFLOW	6613	267	124	160	579	1019	1603	698	289	278	357	185	86	98	325	233	312
DEPLETION	365	-21	-10	-13	44	302	540	167	-65	-130	-66	-31	-14	-17	-108	-122	-91
EVAPORATION	499							30	95	119	105	47	22	25	55		
MOD INFLOW	5749	288	134	173	535	717	1063	501	259	289	318	168	78	90	378	355	403
RELEASE	5602	134	62	80	357	430	595	584	553	305	256	124	69	127	615	676	633
STOR CHANGE	146	154	72	92	178	287	468	-84	-295	-17	62	44	9	-37	-236	-321	-230
STORAGE	12251	12405	12477	12570	12748	13034	13502	13419	13124	13107	13170	13214	13223	13185	12949	12627	12398
ELEV FTMSL	2219.8	2220.7	2221.1	2221.6	2222.5	2224.1	2226.6	2226.1	2224.6	2224.5	2224.8	2225.1	2225.1	2224.9	2223.6	2221.9	2220.6
DISCH KCFS	12.0	4.5	4.5	4.5	6.0	7.0	10.0	9.5	9.0	5.1	4.2	4.2	5.0	8.0	10.0	11.0	11.0
POWER																	
AVE POWER MW		58	59	59	78	92	132	126	119	68	55	55	66	106	131	144	143
PEAK POW MW		197	197	198	199	200	203	202	201	201	201	201	201	201	200	198	197
ENERGY GWH	890.4	21.0	9.8	12.7	56.4	68.3	95.1	93.7	88.5	48.8	41.0	19.9	11.1	20.3	97.8	106.8	99.2
--GARRISON--																	
NAT INFLOW	10134	478	223	287	768	1290	2718	1903	535	449	431	176	82	94	240	178	282
DEPLETION	1004	2	1	1	6	204	722	477	57	-97	36	-89	-41	-47	-94	-78	-57
CHAN STOR	11	78			-16	-10	-31	5	5	39	10		-9	-31	-20	-10	
EVAPORATION	587							36	114	142	123	55	26	29	63		
REG INFLOW	14156	688	284	366	1103	1506	2560	1979	923	749	538	333	159	208	865	922	972
RELEASE	13976	476	194	250	1012	1230	1369	1383	1353	980	886	429	208	301	1230	1353	1323
STOR CHANGE	180	212	90	116	92	276	1192	596	-430	-231	-348	-95	-50	-93	-364	-431	-351
STORAGE	14768	14980	15070	15186	15278	15554	16746	17342	16912	16681	16333	16238	16188	16095	15731	15300	14949
ELEV FTMSL	1825.8	1826.6	1826.9	1827.3	1827.7	1828.7	1832.9	1834.9	1833.5	1832.7	1831.5	1831.1	1831.0	1830.6	1829.3	1827.8	1826.5
DISCH KCFS	22.0	16.0	14.0	14.0	17.0	20.0	23.0	22.5	22.0	16.5	14.4	14.4	15.0	19.0	20.0	22.0	23.0
POWER																	
AVE POWER MW		186	163	164	199	235	274	274	268	200	174	173	180	227	237	258	267
PEAK POW MW		345	346	347	348	351	364	370	365	363	359	358	358	357	353	348	345
ENERGY GWH	2012.3	66.9	27.4	35.4	143.3	174.6	197.3	203.6	199.5	143.9	129.4	62.3	30.2	43.6	176.7	192.3	186.2
--OAHE--																	
NAT INFLOW	1794	190	89	114	283	161	714	127	30	80	11				-43	-7	45
DEPLETION	570	22	10	13	45	62	120	138	90	23	-7	2	1	1	11	15	25
CHAN STOR	-5	27	9		-13	-13	-13	2	2	25	10		-3	-19	-5	-9	-5
EVAPORATION	519							33	101	124	107	48	23	26	57		
REG INFLOW	14676	671	282	351	1236	1315	1949	1342	1194	937	807	379	182	256	1114	1321	1338
RELEASE	14492	398	250	383	1315	1540	1432	1736	1728	1548	1039	250	17	115	1072	946	724
STOR CHANGE	184	273	32	-32	-79	-224	517	-394	-534	-611	-232	129	165	141	43	375	614
STORAGE	15408	15682	15714	15682	15603	15379	15896	15502	14968	14357	14125	14254	14419	14560	14603	14978	15593
ELEV FTMSL	1595.5	1596.6	1596.7	1596.6	1596.3	1595.4	1597.4	1595.9	1593.8	1591.4	1590.5	1591.0	1591.7	1592.2	1592.4	1593.9	1596.2
DISCH KCFS	12.7	13.4	18.0	21.4	22.1	25.0	24.1	28.2	28.1	26.0	16.9	8.4	1.2	7.2	17.4	15.4	12.6
POWER																	
AVE POWER MW		162	218	260	268	302	291	342	337	308	199	99	14	86	207	183	152
PEAK POW MW		648	649	648	647	643	652	645	635	623	618	621	624	627	628	635	647
ENERGY GWH	2104.3	58.4	36.7	56.2	192.8	224.8	209.8	254.3	250.7	222.0	148.0	35.7	2.4	16.5	153.8	136.5	105.7
--BIG BEND--																	
EVAPORATION	129							8	24	31	27	12	6	7	14		
REG INFLOW	14363	398	250	383	1315	1540	1432	1728	1703	1517	1012	238	11	108	1057	946	724
RELEASE	14363	398	250	383	1315	1540	1432	1728	1703	1517	1012	238	11	108	1057	946	724
STORAGE	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682
ELEV FTMSL	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
DISCH KCFS	12.7	13.4	18.0	21.4	22.1	25.0	24.1	28.1	27.7	25.5	16.5	8.0	0.8	6.8	17.2	15.4	12.6
POWER																	
AVE POWER MW		63	84	100	103	117	113	132	130	121	81	40	4	35	85	75	60
PEAK POW MW		517	510	509	509	509	509	509	509	517	538	538	538	538	538	536	526
ENERGY GWH	825.2	22.8	14.2	21.7	74.5	87.2	81.1	97.9	96.5	87.0	60.1	14.6	0.7	6.7	63.0	55.5	41.9
--FORT RANDALL--																	
NAT INFLOW	659	90	42	54	84	67	171	34	65	31	2				7	-7	20
DEPLETION	80	1	1	1	4	9	12	18	15	7	1	1	0	1	3	3	3
EVAPORATION	148							10	32	39	31	12	5	6	13		
REG INFLOW	14794	486	291	436	1395	1598	1591	1734	1722	1502	982	225	5	102	1048	936	741
RELEASE	14794	256	176	419	1395	1598	1591	1734	1722	1646	1619	529	86	124	683	664	552
STOR CHANGE	-1	230	115	17				0	0	-144	-638	-304	-80	-22	366	272	189
STORAGE	3187	3417	3532	3549	3549	3549	3549	3549	3549	3404	2767	2462	2382	2360	2725	2997	3186
ELEV FTMSL	1350.8	1353.6	1355.0	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1353.5	1345.1	1340.4	1339.0	1338.6	1344.5	1348.3	1350.8
DISCH KCFS	9.6	8.6	12.7	23.5	23.4	26.0	26.7	28.2	28.0	27.7	26.3	17.8	6.2	7.8	11.1	10.8	9.6
POWER																	
AVE POWER MW		71	107	197	197	218	224	236	234	230	210	135	46	58	84	85	78
PEAK POW MW		346	351	352	352	352	352	352	352	345	310	288	282	281	308	325	335
ENERGY GWH	1470.0	25.6	17.9	42.5	141.7	162.0	161.3	175.7	174.5	165.7	156.3	48.5	7.7	11.1	62.2	63.2	54.1
--GAVINS POINT--																	
NAT INFLOW	1342	98	46	59	133	148	154	87	86	62	112	51	24	27	75	73	108
DEPLETION	114	0	0	0	5	19	24	39	10	-5	2	5	2	3	10	1	
CHAN STOR	-1	2	-8	-21	0	-5	-1	-3	0	1	3	16	22	-3	-6	1	2
EVAPORATION	47							3	9	11	10	5	2	2	5		
REG INFLOW	15975	357	214	457	1523	1722	1720	1777	1790	1703	1722	586	127	143	736	737	662
RELEASE	15975	357	214	457	1523	1722	1720	1777	1777	1690	1722	586	127	143	736	737	688
STOR CHANGE									13	13							-26
STORAGE	358	358	358	358	358	358	358	358	371	384	384	384	384	384	384	384	358
ELEV FTMSL	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.5	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1206.0
DISCH KCFS	12.0	12.0	15.4	25.6	25.6	28.0	28.9	28.9	28.9	28.4	28.0	19.7	9.1	9.0	12.0	12.0	12.0
POWER																	
AVE POWER MW		42	54	88	88	95	98	98	99	98	97	69	33	32	43	43	42
PEAK POW MW		114	114	114	114	114	114	114	115	115	115	115	115	115	77	77	76
ENERGY GWH	667.1	15.1	9.0	18.9	63.1	71.0	70.7	73.1	73.4	70.7	72.4	25.0	5.5	6.2	31.8	31.8	29.4
--GAVINS POINT - SIOUX CITY--																	
NAT INFLOW	1160	149	69	89	116	224	161	97	72	45	31	16	7	9	17	-3	61
DEPLETION	241	6	3	3	20	34	29	36	33	22	9	5	2	3	11	12	13
REGULATED FLOW AT SIOUX CITY																	
KAF	16894	499	281	543	1619	1912	1852	1838	1816	1713	1744	597	132	149	742	722	736
KCFS		16.8	20.2	30.4	27.2	31.1	31.1	29.9	29.5	28.8	28.4	20.1	9.5	9.4	12.1	11.7	12.8
--TOTAL--																	
NAT INFLOW	21702	1271	593	762	1963	2909	5521	2946	1077	945	944	427	199	228	621	467	828
DEPLETION	2374	10	5	6	124	630	1447	875	140	-180	-25	-107	-50	-57	-167	-169	-107
CHAN STOR	4	107	1	-21	-29	-29	-46	4	8	65	22	16	10	-53	-31	-19	-2
EVAPORATION	1928							119	375	467	402	179	83	95	207		
STORAGE	47655	48525	48833	49027	49218	49556	51733	51851	50605	49615	48460	48233	48278	48266	48074	47969	48165
SYSTEM POWER																	
AVE POWER MW		583	685	867	933	1059	1132	1207	1187	1025	816	572	343	543	787	788	742
PEAK POW MW		2167	2168	2168	2169	2169	2194	2192	2177	2164	2141	2122	2119	2119	2103	2119	2124
ENERGY GWH	7969.3	209.8	115.1	187.4	671.8	787.9	815.3	898.3	883.0	738.0	607.2	205.9	57.6	104.2	585.3	586.1	516.4
DAILY GWH		14.0	16.4	20.8	22.4	25.4	27.2	29.0	28.5	24.6	19.6	13.7	8.2	13.0	18.9	18.9	17.8
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	29FEB

TIME OF STUDY 09:38:40 NAVIGATION SEASON SHORTENED AT 52 MAF ON JULY 1 STUDY NO 17
VALUES IN 1000 AF EXCEPT AS INDICATED

29 FEB04		2004											2005			
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB
--FORT PECK--																	
NAT INFLOW	6720	271	126	163	588	1036	1629	709	294	282	363	188	88	100	330	237	317
DEPLETION	379	-21	-10	-13	44	303	545	174	-61	-130	-68	-33	-15	-17	-111	-125	-83
EVAPORATION	501							31	96	120	105	48	22	25	55		
MOD INFLOW	5840	292	136	175	544	733	1084	504	259	292	326	172	80	92	386	362	400
RELEASE	5777	134	62	80	357	553	595	584	553	340	286	138	64	127	615	676	611
STOR CHANGE	63	158	74	95	187	180	489	-80	-294	-48	41	34	16	-35	-229	-314	-211
STORAGE	12398	12556	12630	12725	12912	13092	13580	13501	13207	13158	13199	13233	13249	13214	12986	12671	12460
ELEV FTMSL	2220.6	2221.5	2221.9	2222.4	2223.4	2224.4	2227.0	2226.6	2225.0	2224.8	2225.0	2225.2	2225.2	2225.1	2223.8	2222.1	2221.0
DISCH KCFS	11.0	4.5	4.5	4.5	6.0	9.0	10.0	9.5	9.0	5.7	4.6	4.6	4.6	8.0	10.0	11.0	11.0
POWER																	
AVE POWER MW		59	59	59	79	118	132	126	119	76	61	62	62	106	132	144	143
PEAK POW MW		197	198	198	200	201	203	203	201	201	201	201	201	201	200	198	197
ENERGY GWH	919.6	21.1	9.9	12.7	56.6	87.9	95.2	93.9	88.7	54.4	45.7	22.1	10.3	20.3	97.9	106.9	95.9
--GARRISON--																	
NAT INFLOW	10262	484	226	290	777	1306	2752	1927	542	455	437	179	83	95	243	180	286
DEPLETION	939	1	0	1	3	178	707	467	63	-100	31	-93	-43	-49	-96	-79	-52
CHAN STOR	0	68			-15	-31	-10	5	5	33	11	0		-34	-20	-10	0
EVAPORATION	590							36	115	142	123	55	26	29	63		
REG INFLOW	14510	685	288	370	1116	1650	2630	2013	923	786	579	354	165	208	870	925	949
RELEASE	14432	446	194	250	1041	1322	1428	1445	1414	1041	903	437	278	317	1230	1353	1333
STOR CHANGE	78	238	93	120	74	328	1202	568	-491	-256	-324	-83	-112	-109	-360	-428	-384
STORAGE	14949	15187	15280	15400	15475	15803	17005	17573	17081	16826	16502	16419	16307	16197	15838	15410	15026
ELEV FTMSL	1826.5	1827.4	1827.7	1828.1	1828.4	1829.6	1833.8	1835.7	1834.1	1833.2	1832.1	1831.8	1831.4	1831.0	1829.7	1828.2	1826.8
DISCH KCFS	23.0	15.0	14.0	14.0	17.5	21.5	24.0	23.5	23.0	17.5	14.7	14.7	20.0	20.0	20.0	22.0	24.0
POWER																	
AVE POWER MW		175	164	165	206	253	287	287	281	213	178	177	240	239	238	259	280
PEAK POW MW		347	348	350	350	354	366	372	367	364	361	360	359	358	354	350	346
ENERGY GWH	2086.2	63.0	27.6	35.6	148.2	188.5	207.0	213.6	209.3	153.4	132.3	63.7	40.3	45.9	177.1	192.8	187.9
--OAHE--																	
NAT INFLOW	1860	197	92	118	294	167	740	131	31	83	12				-45	-7	46
DEPLETION	585	22	10	13	46	64	123	143	93	23	-8	2	1	1	11	16	25
CHAN STOR	-5	36	4		-15	-18	-11	2	2	25	13	0	-25	0	0	-9	-9
EVAPORATION	528							33	103	127	109	49	23	26	57		
REG INFLOW	15174	657	281	355	1274	1407	2034	1402	1251	999	827	386	229	290	1117	1320	1345
RELEASE	15094	394	251	387	1333	1559	1447	1758	1749	1570	1062	465	215	194	1065	946	699
STOR CHANGE	81	263	29	-32	-59	-152	587	-356	-498	-571	-235	-79	14	96	51	374	646
STORAGE	15593	15856	15885	15853	15794	15642	16229	15873	15375	14804	14569	14490	14505	14601	14653	15027	15673
ELEV FTMSL	1596.2	1597.2	1597.3	1597.2	1597.0	1596.4	1598.6	1597.3	1595.4	1593.2	1592.3	1592.0	1592.0	1592.4	1592.6	1594.1	1596.5
DISCH KCFS	12.6	13.2	18.1	21.7	22.4	25.4	24.3	28.6	28.4	26.4	17.3	15.6	15.5	12.2	17.3	15.4	12.6
POWER																	
AVE POWER MW		161	220	264	272	307	296	349	344	316	205	185	183	145	206	184	152
PEAK POW MW		652	652	652	651	648	659	652	643	632	627	626	626	628	629	636	648
ENERGY GWH	2202.4	58.0	37.0	57.0	196.1	228.7	213.2	259.3	255.7	227.3	152.7	66.7	30.8	27.9	153.1	136.7	102.1
--BIG BEND--																	
EVAPORATION	129							8	24	31	27	12	6	7	14		
REG INFLOW	14965	394	251	387	1333	1559	1447	1750	1724	1540	1035	453	209	188	1051	946	699
RELEASE	14965	394	251	387	1333	1559	1447	1750	1724	1540	1035	453	209	188	1051	946	699
STORAGE	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682
ELEV FTMSL	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
DISCH KCFS	12.6	13.2	18.1	21.7	22.4	25.4	24.3	28.5	28.0	25.9	16.8	15.2	15.1	11.8	17.1	15.4	12.6
POWER																	
AVE POWER MW		63	85	101	105	119	114	133	131	123	83	77	76	60	85	75	60
PEAK POW MW		517	510	509	509	509	509	509	509	517	538	538	538	538	538	538	529
ENERGY GWH	862.0	22.6	14.2	21.9	75.5	88.3	82.0	99.1	97.7	88.3	61.5	27.6	12.8	11.5	62.9	55.7	40.6
--FORT RANDALL--																	
NAT INFLOW	690	94	44	56	88	70	179	36	68	32	2				7	-7	21
DEPLETION	80	1	1	1	4	9	12	18	15	7	1	1	0	1	3	3	3
EVAPORATION	147							10	32	39	31	12	5	5	13		
REG INFLOW	15428	487	294	442	1417	1620	1614	1758	1746	1525	1005	440	204	182	1042	936	717
RELEASE	15491	256	179	425	1417	1620	1614	1758	1746	1669	1642	744	349	204	676	664	528
STOR CHANGE	-63	231	115	17	0	0		0	0	-144	-637	-304	-145	-22	366	272	189
STORAGE	3186	3417	3532	3549	3549	3549	3549	3549	3549	3405	2768	2464	2319	2297	2663	2935	3124
ELEV FTMSL	1350.8	1353.6	1355.0	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1353.5	1345.1	1340.4	1337.9	1337.5	1343.5	1347.4	1350.0
DISCH KCFS	9.6	8.6	12.9	23.8	23.8	26.3	27.1	28.6	28.4	28.1	26.7	25.0	25.1	12.9	11.0	10.8	9.5
POWER																	
AVE POWER MW		71	108	200	200	221	227	239	238	233	213	189	183	93	82	84	76
PEAK POW MW		346	351	352	352	352	352	352	352	345	310	288	277	276	303	321	331
ENERGY GWH	1531.8	25.6	18.2	43.1	143.9	164.3	163.6	178.0	176.8	167.9	158.5	67.9	30.8	17.9	61.1	62.7	51.3
--GAVINS POINT--																	
NAT INFLOW	1359	100	47	60	135	150	155	88	87	63	114	51	24	27	76	74	109
DEPLETION	114	0	0	0	5	19	24	39	10	-5	2	5	2	3	10	1	
CHAN STOR	-1	2	-8	-21	0	-5	-1	-3	0	1	3	3	0	23	3	0	2
EVAPORATION	47							3	9	11	10	5	2	2	5		
REG INFLOW	16689	358	218	464	1547	1746	1743	1802	1815	1727	1746	788	368	249	741	737	639
RELEASE	16689	358	218	464	1547	1746	1743	1802	1802	1714	1746	788	368	249	741	737	665
STOR CHANGE									13	13							-26
STORAGE	358	358	358	358	358	358	358	358	371	384	384	384	384	384	384	384	358
ELEV FTMSL	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.5	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1206.0
DISCH KCFS	12.0	12.0	15.7	26.0	26.0	28.4	29.3	29.3	29.3	28.8	28.4	26.5	26.5	15.7	12.0	12.0	12.0
POWER																	
AVE POWER MW		42	55	89	89	97	99	99	100	99	99	92	92	56	43	43	42
PEAK POW MW		114	114	114	114	114	114	114	115	115	115	115	115	115	77	77	76
ENERGY GWH	695.5	15.2	9.2	19.2	64.0	71.9	71.4	73.8	74.1	71.5	73.4	33.3	15.5	10.7	32.0	31.8	28.4
--GAVINS POINT - SIOUX CITY--																	
NAT INFLOW	1211	155	72	93	121	234	168	101	75	47	33	17	8	9	17	-3	64
DEPLETION	247	6	3	4	20	34	30	36	34	22	9	6	3	3	12	13	13
REGULATED FLOW AT SIOUX CITY																	
KAF	17653	507	287	554	1648	1946	1881	1867	1843	1739	1770	800	373	255	746	721	716
KCFS		17.0	20.7	31.0	27.7	31.7	31.6	30.4	30.0	29.2	28.8	26.9	26.9	16.1	12.1	11.7	12.9
--TOTAL--																	
NAT INFLOW	22102	1301	607	780	2003	2963	5623	2992	1097	962	961	434	203	231	628	474	843
DEPLETION	2344	9	4	6	122	607	1441	877	154	-183	-33	-112	-52	-60	-171	-171	-94
CHAN STOR	-6	105	-4	-21	-31	-54	-23	4	8	58	26	3	-25	-11	-17	-19	-7
EVAPORATION	1942							121	378	471	405	181	84	95	207		
STORAGE	48165	49056	49367	49568	49770	50126	52403	52536	51265	50259	49104	48673	48446	48375	48205	48109	48323
SYSTEM POWER																	
AVE POWER MW		571	691	877	950	1115	1156	1233	1213	1059	839	781	837	699	785	788	753
PEAK POW MW		2173	2174	2175	2176	2177	2203	2202	2187	2175	2152	2129	2117	2116	2101	2120	2127
ENERGY GWH	8297.5	205.6	116.1	189.5	684.3	829.7	832.4	917.7	902.3	762.8	624.2	281.3	140.6	134.2	584.0	586.6	506.2
DAILY GWH		13.7	16.6	21.1	22.8	26.8	27.7	29.6	29.1	25.4	20.1	18.8	20.1	16.8	18.8	18.9	18.1

INI-SUM 15MAR 22MAR 31MAR 30APR 31MAY 30JUN 31JUL 31AUG 30SEP 31OCT 15NOV 22NOV 30NOV 31DEC 31JAN 28FEB

TIME OF STUDY 09:38:40 NAVIGATION SEASON SHORTENED AT 52 MAF ON JULY 1 STUDY NO 18
VALUES IN 1000 AF EXCEPT AS INDICATED

28 FEB05		2005										2006			
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB
--FORT PECK--																	
NAT INFLOW	6751	272	127	163	591	1041	1636	712	295	284	365	188	88	100	332	238	318
DEPLETION	388	-21	-10	-13	44	304	549	181	-57	-131	-70	-34	-16	-18	-112	-125	-84
EVAPORATION	503							31	96	120	105	48	22	25	55		
MOD INFLOW	5860	294	137	176	547	737	1087	500	256	295	330	174	81	93	389	363	402
RELEASE	5800	134	62	80	357	553	595	584	553	337	283	137	64	127	615	707	611
STOR CHANGE	60	160	75	96	190	184	492	-84	-298	-42	47	37	17	-34	-226	-344	-209
STORAGE	12460	12620	12695	12791	12981	13164	13656	13572	13275	13233	13279	13316	13334	13299	13073	12729	12520
ELEV FTMSL	2221.0	2221.8	2222.3	2222.8	2223.8	2224.8	2227.4	2226.9	2225.4	2225.2	2225.4	2225.6	2225.7	2225.5	2224.3	2222.4	2221.3
DISCH KCFS	11.0	4.5	4.5	4.5	6.0	9.0	10.0	9.5	9.0	5.7	4.6	4.6	4.6	8.0	10.0	11.5	11.0
POWER																	
AVE POWER MW		59	59	59	79	118	132	126	119	75	61	61	61	106	132	150	143
PEAK POW MW		198	198	199	200	201	203	203	202	201	202	202	202	202	200	198	197
ENERGY GWH	924.6	21.1	9.9	12.7	56.7	88.1	95.4	94.0	88.8	54.0	45.3	22.0	10.3	20.3	98.1	111.9	96.1
--GARRISON--																	
NAT INFLOW	10290	485	226	291	779	1310	2760	1932	543	456	438	179	84	95	243	181	287
DEPLETION	899	1	0	1	3	178	717	483	63	-103	26	-102	-48	-54	-110	-92	-64
CHAN STOR	0	68			-15	-31	-10	5	5	34	11	0		-35	-20	-15	5
EVAPORATION	591							36	115	143	123	55	26	29	63		
REG INFLOW	14600	686	288	371	1118	1654	2628	2002	923	787	582	362	169	213	884	965	967
RELEASE	14542	446	194	250	1012	1322	1428	1445	1476	1071	935	452	278	317	1230	1353	1333
STOR CHANGE	58	240	94	121	106	332	1200	557	-552	-284	-353	-90	-108	-105	-346	-388	-366
STORAGE	15026	15266	15360	15481	15587	15919	17119	17676	17124	16839	16487	16397	16288	16184	15838	15450	15084
ELEV FTMSL	1826.8	1827.6	1828.0	1828.4	1828.8	1830.0	1834.2	1836.1	1834.2	1833.2	1832.0	1831.7	1831.3	1830.9	1829.7	1828.3	1827.0
DISCH KCFS	24.0	15.0	14.0	14.0	17.0	21.5	24.0	23.5	24.0	18.0	15.2	15.2	20.0	20.0	20.0	22.0	24.0
POWER																	
AVE POWER MW		175	165	165	200	254	288	288	294	219	184	183	240	239	238	259	280
PEAK POW MW		348	349	350	352	355	367	373	367	364	361	360	359	358	354	350	346
ENERGY GWH	2105.0	63.2	27.6	35.6	144.3	189.0	207.5	214.1	218.6	157.8	137.0	66.0	40.3	45.9	177.1	192.9	188.1
--OAHE--																	
NAT INFLOW	1877	199	93	119	297	168	747	132	31	84	12				-45	-7	47
DEPLETION	597	22	10	13	46	65	126	147	96	24	-8	2	1	1	11	16	25
CHAN STOR	-1	40	4		-13	-20	-11	2	-2	27	13		-22	0	0	-9	-9
EVAPORATION	528							33	103	127	109	49	23	26	57		
REG INFLOW	15293	663	281	356	1249	1405	2038	1399	1305	1031	859	402	232	290	1117	1321	1346
RELEASE	15236	436	272	388	1338	1564	1456	1770	1761	1582	1074	471	218	195	1065	946	699
STOR CHANGE	57	227	9	-32	-89	-159	582	-371	-456	-551	-215	-69	14	95	51	374	647
STORAGE	15673	15901	15910	15878	15789	15630	16212	15840	15384	14833	14618	14549	14563	14658	14709	15083	15731
ELEV FTMSL	1596.5	1597.4	1597.4	1597.3	1597.0	1596.4	1598.5	1597.2	1595.4	1593.3	1592.5	1592.2	1592.3	1592.6	1592.8	1594.3	1596.8
DISCH KCFS	12.6	14.6	19.6	21.7	22.5	25.4	24.5	28.8	28.6	26.6	17.5	15.8	15.7	12.3	17.3	15.4	12.6
POWER																	
AVE POWER MW		178	239	265	273	308	298	351	346	318	208	188	186	146	206	184	152
PEAK POW MW		652	653	652	650	648	658	651	643	632	628	627	627	629	630	637	649
ENERGY GWH	2223.8	64.2	40.1	57.2	196.9	229.4	214.5	261.0	257.5	229.1	154.6	67.6	31.3	28.1	153.3	136.8	102.2
--BIG BEND--																	
EVAPORATION	129							8	24	31	27	12	6	7	14		
REG INFLOW	15107	436	272	388	1338	1564	1456	1762	1737	1551	1047	459	212	189	1051	946	699
RELEASE	15107	436	272	388	1338	1564	1456	1762	1737	1551	1047	459	212	189	1051	946	699
STORAGE	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682
ELEV FTMSL	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
DISCH KCFS	12.6	14.6	19.6	21.7	22.5	25.4	24.5	28.7	28.2	26.1	17.0	15.4	15.3	11.9	17.1	15.4	12.6
POWER																	
AVE POWER MW		69	92	102	105	119	115	134	132	124	84	78	77	60	85	75	60
PEAK POW MW		517	510	509	509	509	509	509	509	517	538	538	538	538	538	538	529
ENERGY GWH	870.2	25.0	15.4	22.0	75.8	88.6	82.5	99.8	98.3	89.0	62.2	27.9	12.9	11.6	62.9	55.7	40.6
--FORT RANDALL--																	
NAT INFLOW	696	95	44	57	89	71	181	36	68	32	2				7	-7	21
DEPLETION	80	1	1	1	4	9	12	18	15	7	1	1	0	1	3	3	3
EVAPORATION	147							10	32	39	31	12	5	5	13		
REG INFLOW	15576	529	316	444	1423	1626	1625	1770	1758	1537	1017	446	207	183	1042	936	717
RELEASE	15576	256	180	427	1423	1626	1625	1770	1758	1681	1654	750	352	205	676	664	528
STOR CHANGE	0	273	135	17				0	0	-144	-637	-304	-145	-22	366	272	189
STORAGE	3124	3397	3532	3549	3549	3549	3549	3549	3549	3405	2768	2464	2319	2297	2663	2935	3124
ELEV FTMSL	1350.0	1353.4	1355.0	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1353.5	1345.1	1340.4	1337.9	1337.5	1343.5	1347.4	1350.0
DISCH KCFS	9.5	8.6	13.0	23.9	23.9	26.4	27.3	28.8	28.6	28.3	26.9	25.2	25.3	12.9	11.0	10.8	9.5
POWER																	
AVE POWER MW		71	109	201	201	222	229	241	239	235	215	190	185	94	82	84	76
PEAK POW MW		345	351	352	352	352	352	352	352	345	310	288	277	276	303	321	331
ENERGY GWH	1539.9	25.5	18.3	43.3	144.5	164.9	164.7	179.3	178.0	169.1	159.6	68.4	31.0	18.1	61.1	62.7	51.3
--GAVINS POINT--																	
NAT INFLOW	1362	100	47	60	135	150	156	88	87	63	114	51	24	27	76	75	110
DEPLETION	114	0	0	0	5	19	24	39	10	-5	2	5	2	3	10	1	
CHAN STOR	-1	2	-8	-21	0	-5	-2	-3	0	1	3	3	0	23	4	0	2
EVAPORATION	47							3	9	11	10	5	2	2	5		
REG INFLOW	16777	358	219	466	1553	1752	1755	1814	1827	1739	1759	794	371	251	741	738	640
RELEASE	16777	358	219	466	1553	1752	1755	1814	1814	1726	1759	794	371	251	741	738	666
STOR CHANGE									13	13							-26
STORAGE	358	358	358	358	358	358	358	358	371	384	384	384	384	384	384	384	358
ELEV FTMSL	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.5	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1206.0
DISCH KCFS	12.0	12.0	15.7	26.1	26.1	28.5	29.5	29.5	29.5	29.0	28.6	26.7	26.7	15.8	12.0	12.0	12.0
POWER																	
AVE POWER MW		42	55	89	89	97	100	100	100	100	99	93	93	56	43	43	42
PEAK POW MW		114	114	114	114	114	114	114	115	115	115	115	115	115	77	77	76
ENERGY GWH	698.4	15.2	9.2	19.3	64.2	72.2	71.8	74.1	74.5	71.9	73.9	33.5	15.6	10.8	32.0	31.9	28.5
--GAVINS POINT - SIOUX CITY--																	
NAT INFLOW	1223	157	73	94	122	236	170	102	75	47	33	17	8	9	18	-3	65
DEPLETION	248	6	3	4	20	34	30	37	34	22	9	6	3	3	12	13	13
REGULATED FLOW AT SIOUX CITY																	
KAF	17752	508	289	556	1655	1954	1895	1879	1855	1751	1783	806	376	257	747	722	718
KCFS		17.1	20.8	31.2	27.8	31.8	31.9	30.6	30.2	29.4	29.0	27.1	27.1	16.2	12.1	11.7	12.9
--TOTAL--																	
NAT INFLOW	22199	1308	610	785	2013	2976	5650	3002	1099	966	964	435	203	232	631	477	848
DEPLETION	2326	9	4	6	122	609	1458	905	161	-186	-40	-123	-57	-65	-186	-184	-107
CHAN STOR	-1	109	-4	-21	-29	-56	-23	4	3	61	26	3	-22	-11	-17	-24	-2
EVAPORATION	1945							121	379	472	406	181	84	95	208		
STORAGE	48323	49223	49537	49738	49945	50302	52576	52678	51385	50376	49217	48791	48569	48503	48349	48263	48499
SYSTEM POWER																	
AVE POWER MW		595	718	880	948	1119	1162	1240	1231	1071	850	793	842	702	785	796	754
PEAK POW MW		2175	2176	2176	2177	2179	2204	2202	2188	2176	2154	2130	2119	2117	2103	2122	2129
ENERGY GWH	8361.9	214.1	120.6	190.2	682.4	832.2	836.3	922.3	915.7	770.8	632.7	285.4	141.4	134.7	584.4	591.9	506.7
DAILY GWH		14.3	17.2	21.1	22.7	26.8	27.9	29.8	29.5	25.7	20.4	19.0	20.2	16.8	18.9	19.1	18.1

	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB

28 FEB06		2006										2007			
INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB
--FORT PECK--																
NAT INFLOW	7022	283	132	170	615	1083	1702	741	307	295	379	196	91	104	345	248	331
DEPLETION	400	-21	-10	-13	43	305	553	188	-52	-131	-72	-34	-16	-18	-112	-126	-84
EVAPORATION	507							31	97	121	106	48	23	26	55		
MOD INFLOW	6115	304	142	183	572	778	1149	522	262	305	345	181	85	97	402	374	415
RELEASE	5947	134	62	80	357	584	625	615	584	334	281	136	63	127	615	738	611
STOR CHANGE	168	171	80	102	215	194	524	-93	-322	-30	64	46	21	-30	-213	-364	-196
STORAGE	12520	12691	12770	12873	13088	13281	13806	13713	13391	13361	13425	13471	13492	13462	13248	12885	12689
ELEV FTMSL	2221.3	2222.2	2222.7	2223.2	2224.4	2225.4	2228.2	2227.7	2226.0	2225.8	2226.2	2226.4	2226.5	2226.4	2225.2	2223.3	2222.2
DISCH KCFS	11.0	4.5	4.5	4.5	6.0	9.5	10.5	10.0	9.5	5.6	4.6	4.6	4.6	8.0	10.0	12.0	11.0
POWER																	
AVE POWER MW		59	59	59	79	125	139	133	126	75	61	61	61	106	132	158	144
PEAK POW MW		198	199	199	200	202	204	204	202	202	202	203	203	203	201	199	198
ENERGY GWH	950.6	21.2	9.9	12.8	56.8	93.2	100.4	99.2	93.9	53.7	45.1	21.9	10.2	20.4	98.5	117.2	96.5
--GARRISON--																	
NAT INFLOW	10598	500	233	300	803	1349	2842	1990	559	470	451	185	86	98	251	186	295
DEPLETION	1125	-5	-2	-3	-9	204	752	525	57	-121	22	-83	-39	-44	-64	-45	-21
CHAN STOR	0	67			-15	-36	-10	5	5	39	11	0		-35	-20	-20	10
EVAPORATION	598							37	116	144	125	56	26	30	64		
REG INFLOW	14822	706	298	383	1154	1693	2705	2048	975	820	595	347	162	205	846	948	937
RELEASE	14606	446	194	250	1012	1353	1458	1476	1445	1071	947	458	264	317	1230	1353	1333
STOR CHANGE	215	260	104	133	142	340	1247	573	-470	-251	-352	-111	-102	-112	-384	-404	-396
STORAGE	15084	15344	15448	15581	15723	16063	17310	17883	17412	17161	16809	16698	16596	16484	16100	15695	15300
ELEV FTMSL	1827.0	1827.9	1828.3	1828.8	1829.3	1830.5	1834.8	1836.8	1835.2	1834.3	1833.1	1832.7	1832.4	1832.0	1830.6	1829.2	1827.8
DISCH KCFS	24.0	15.0	14.0	14.0	17.0	22.0	24.5	24.0	23.5	18.0	15.4	15.4	19.0	20.0	20.0	22.0	24.0
POWER																	
AVE POWER MW		176	165	165	201	261	295	295	289	221	188	187	230	241	240	261	281
PEAK POW MW		349	350	351	353	357	369	375	370	368	364	363	362	361	357	353	348
ENERGY GWH	2124.8	63.3	27.7	35.7	144.7	194.0	212.5	219.5	215.2	158.9	139.8	67.3	38.6	46.2	178.2	194.0	189.1
--OAHE--																	
NAT INFLOW	2048	217	101	130	324	183	815	144	34	92	13				-49	-8	51
DEPLETION	613	23	11	14	47	66	129	151	100	25	-8	2	1	1	11	16	26
CHAN STOR	-1	40	4		-13	-22	-11	2	2	24	12	0	-17	-5	0	-9	-9
EVAPORATION	535							34	105	129	110	50	23	26	58		
REG INFLOW	15506	681	290	367	1275	1448	2133	1437	1276	1034	869	407	223	285	1112	1320	1349
RELEASE	15283	557	148	365	1329	1570	1454	1787	1776	1600	1095	481	223	197	1058	947	697
STOR CHANGE	222	124	141	2	-53	-122	679	-350	-500	-566	-226	-74	1	89	54	373	652
STORAGE	15731	15855	15996	15998	15945	15822	16501	16151	15651	15085	14859	14785	14786	14874	14928	15300	15953
ELEV FTMSL	1596.8	1597.2	1597.7	1597.8	1597.6	1597.1	1599.6	1598.3	1596.5	1594.3	1593.4	1593.1	1593.1	1593.5	1593.7	1595.1	1597.6
DISCH KCFS	12.6	18.7	10.7	20.4	22.3	25.5	24.4	29.1	28.9	26.9	17.8	16.2	16.0	12.4	17.2	15.4	12.5
POWER																	
AVE POWER MW		228	130	249	272	311	299	356	351	323	213	193	191	148	206	185	152
PEAK POW MW		652	654	654	653	651	663	657	648	637	633	631	631	633	634	641	653
ENERGY GWH	2240.9	82.0	21.9	53.9	196.1	231.1	215.3	265.0	261.1	232.9	158.6	69.5	32.1	28.5	153.0	137.6	102.4
--BIG BEND--																	
EVAPORATION	129							8	24	31	27	12	6	7	14		
REG INFLOW	15155	557	148	365	1329	1570	1454	1779	1751	1569	1068	469	217	190	1044	947	697
RELEASE	15155	557	148	365	1329	1570	1454	1779	1751	1569	1068	469	217	190	1044	947	697
STORAGE	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682
ELEV FTMSL	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
DISCH KCFS	12.6	18.7	10.7	20.4	22.3	25.5	24.4	28.9	28.5	26.4	17.4	15.8	15.6	12.0	17.0	15.4	12.5
POWER																	
AVE POWER MW		88	50	96	105	120	114	135	133	125	85	79	79	61	84	75	60
PEAK POW MW		510	509	509	509	509	509	509	509	517	538	538	538	538	538	538	529
ENERGY GWH	872.7	31.6	8.4	20.7	75.3	88.9	82.4	100.7	99.2	90.0	63.5	28.5	13.2	11.6	62.5	55.8	40.5
--FORT RANDALL--																	
NAT INFLOW	779	106	49	64	100	79	203	41	76	36	2				8	-8	23
DEPLETION	80	1	1	1	4	9	12	18	15	7	1	1	0	1	3	3	3
EVAPORATION	147							10	32	39	31	12	5	5	13		
REG INFLOW	15707	661	197	427	1425	1640	1645	1792	1781	1559	1039	456	211	185	1036	936	717
RELEASE	15707	253	180	427	1425	1640	1645	1792	1781	1703	1676	760	356	207	670	664	528
STOR CHANGE	0	408	17			0		0	0	-144	-637	-304	-145	-22	366	272	189
STORAGE	3124	3532	3549	3549	3549	3549	3549	3549	3549	3405	2768	2464	2319	2297	2663	2935	3124
ELEV FTMSL	1350.0	1355.0	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1353.5	1345.1	1340.4	1337.9	1337.5	1343.5	1347.4	1350.0
DISCH KCFS	9.5	8.5	13.0	23.9	23.9	26.7	27.6	29.1	29.0	28.6	27.3	25.5	25.7	13.0	10.9	10.8	9.5
POWER																	
AVE POWER MW		71	109	201	201	223	232	244	242	238	217	193	187	95	81	84	76
PEAK POW MW		351	352	352	352	352	352	352	352	345	310	288	277	276	303	321	331
ENERGY GWH	1553.1	25.4	18.4	43.4	144.7	166.3	166.7	181.4	180.3	171.3	161.7	69.3	31.5	18.2	60.6	62.7	51.3
--GAVINS POINT--																	
NAT INFLOW	1401	103	48	62	139	155	160	91	89	65	117	53	25	28	78	77	113
DEPLETION	114	0	0	0	5	19	24	39	10	-5	2	5	2	3	10	1	
CHAN STOR	-1	2	-9	-21	0	-5	-2	-3	0	1	3	3	0	24	4	0	2
EVAPORATION	47							3	9	11	10	5	2	2	5		
REG INFLOW	16946	358	219	468	1559	1771	1779	1839	1852	1762	1783	806	376	254	737	740	643
RELEASE	16946	358	219	468	1559	1771	1779	1839	1839	1749	1783	806	376	254	737	740	669
STOR CHANGE									13	13							-26
STORAGE	358	358	358	358	358	358	358	358	371	384	384	384	384	384	384	384	358
ELEV FTMSL	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.5	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1206.0
DISCH KCFS	12.0	12.0	15.8	26.2	26.2	28.8	29.9	29.9	29.9	29.4	29.0	27.1	27.1	16.0	12.0	12.0	12.0
POWER																	
AVE POWER MW		42	55	90	90	98	101	101	101	101	100	94	94	57	43	43	43
PEAK POW MW		114	114	114	114	114	114	114	115	115	115	115	115	115	77	77	76
ENERGY GWH	703.8	15.2	9.2	19.4	64.5	72.9	72.4	74.8	75.2	72.6	74.6	34.0	15.9	10.9	31.8	31.9	28.6
--GAVINS POINT - SIOUX CITY--																	
NAT INFLOW	1356	174	81	104	135	262	188	113	84	52	37	19	9	10	20	-4	72
DEPLETION	251	6	3	4	21	35	30	37	34	22	10	6	3	3	12	13	13
REGULATED FLOW AT SIOUX CITY																	
KAF	18051	525	298	568	1673	1998	1937	1915	1889	1779	1810	820	383	261	745	723	728
KCFS		17.7	21.4	31.8	28.1	32.5	32.6	31.1	30.7	29.9	29.4	27.6	27.6	16.4	12.1	11.8	13.1
--TOTAL--																	
NAT INFLOW	23204	1383	645	829	2116	3111	5910	3120	1149	1010	999	452	211	241	653	491	885
DEPLETION	2583	4	2	2	111	638	1500	958	164	-203	-45	-104	-48	-55	-140	-138	-63
CHAN STOR	-1	109	-4	-21	-29	-63	-23	4	8	64	25	3	-17	-15	-16	-29	4
EVAPORATION	1963							122	383	476	409	182	84	96	209		
STORAGE	48499	49462	49803	50041	50344	50756	53206	53335	52057	51078	49928	49484	49259	49182	49005	48881	49105
SYSTEM POWER																	
AVE POWER MW		663	569	860	947	1138	1180	1264	1243	1082	865	807	842	707	786	805	756
PEAK POW MW		2175	2178	2180	2182	2184	2212	2211	2196	2185	2162	2139	2127	2126	2111	2129	2136
ENERGY GWH	8445.8	238.5	95.5	185.7	682.1	846.4	849.7	940.7	924.9	779.3	643.2	290.5	141.4	135.8	584.5	599.3	508.4
DAILY GWH		15.9	13.6	20.6	22.7	27.3	28.3	30.3	29.8	26.0	20.7	19.4	20.2	17.0	18.9	19.3	18.2

	28 FEB02		2002											2003		
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB
--FORT PECK--																	
NAT INFLOW	6556	264	123	158	574	1011	1589	692	287	275	354	183	85	98	322	231	309
DEPLETION	356	-8	-4	-5	69	302	484	159	-69	-129	-64	-32	-15	-17	-109	-124	-83
EVAPORATION	494							30	94	118	103	47	22	25	54		
MOD INFLOW	5706	272	127	163	505	709	1105	503	262	286	315	168	78	89	377	355	392
RELEASE	5721	134	62	80	417	492	536	553	553	326	273	132	62	143	615	676	666
STOR CHANGE	-15	139	65	83	88	217	569	-51	-292	-40	41	35	16	-53	-238	-321	-274
STORAGE	12136	12274	12339	12422	12511	12728	13297	13247	12955	12915	12956	12991	13008	12954	12717	12395	12121
ELEV FTMSL	2219.2	2219.9	2220.3	2220.7	2221.2	2222.4	2225.5	2225.2	2223.7	2223.5	2223.7	2223.9	2224.0	2223.7	2222.4	2220.6	2219.1
DISCH KCFS	11.0	4.5	4.5	4.5	7.0	8.0	9.0	9.0	9.0	5.5	4.4	4.4	4.4	9.0	10.0	11.0	12.0
POWER																	
AVE POWER MW		58	58	58	91	104	118	119	118	72	59	59	59	118	131	143	154
PEAK POW MW		196	196	197	197	198	202	201	200	200	200	200	200	200	198	197	195
ENERGY GWH	904.3	20.9	9.8	12.6	65.4	77.5	85.1	88.5	88.1	51.8	43.5	21.1	9.8	22.7	97.3	106.2	103.8
--GARRISON--																	
NAT INFLOW	10069	475	221	285	763	1282	2701	1891	532	446	428	175	82	93	238	177	280
DEPLETION	1136	28	13	17	50	187	744	477	52	-94	40	-84	-39	-45	-89	-74	-47
CHAN STOR	-10	68			-26	-10	-10			36	10	0		-47	-10	-10	-10
EVAPORATION	577							35	111	139	121	54	25	29	62		
REG INFLOW	14067	649	271	349	1104	1576	2482	1932	922	762	551	337	157	205	870	917	983
RELEASE	14086	476	222	286	1131	1291	1369	1383	1353	1012	821	397	185	301	1230	1353	1277
STOR CHANGE	-19	173	49	63	-27	285	1114	549	-431	-249	-269	-61	-28	-96	-360	-436	-294
STORAGE	14628	14801	14850	14913	14886	15171	16284	16833	16402	16153	15884	15823	15795	15699	15339	14903	14609
ELEV FTMSL	1825.3	1825.9	1826.1	1826.3	1826.2	1827.3	1831.3	1833.2	1831.7	1830.8	1829.9	1829.7	1829.6	1829.2	1827.9	1826.3	1825.2
DISCH KCFS	23.0	16.0	16.0	16.0	19.0	21.0	23.0	22.5	22.0	17.0	13.3	13.3	13.3	19.0	20.0	22.0	23.0
POWER																	
AVE POWER MW		185	186	186	220	244	271	271	265	204	160	159	159	225	235	256	265
PEAK POW MW		343	344	344	344	347	359	364	360	357	355	354	354	353	349	344	341
ENERGY GWH	2008.1	66.6	31.2	40.1	158.6	181.5	195.4	201.4	197.2	146.8	118.7	57.2	26.7	43.2	175.0	190.5	178.1
--OAHE--																	
NAT INFLOW	1761	187	87	112	278	158	701	124	29	79	11				-42	-7	44
DEPLETION	557	22	10	13	45	61	117	134	87	22	-7	2	1	1	11	15	24
CHAN STOR	-1	32			-13	-9	-9	2	2	23	17	0	0	-27	-5	-9	-5
EVAPORATION	521							33	102	126	108	48	22	26	56		
REG INFLOW	14769	673	299	385	1350	1379	1944	1343	1195	966	748	347	162	248	1116	1321	1293
RELEASE	14789	443	268	377	1294	1517	1407	1706	1701	1520	1008	439	203	188	1066	945	706
STOR CHANGE	-20	230	31	8	56	-138	536	-364	-506	-554	-261	-92	-41	60	50	376	587
STORAGE	15265	15495	15526	15534	15590	15452	15989	15625	15119	14565	14305	14213	14172	14232	14282	14658	15245
ELEV FTMSL	1595.0	1595.9	1596.0	1596.0	1596.2	1595.7	1597.7	1596.4	1594.4	1592.3	1591.2	1590.8	1590.7	1590.9	1591.1	1592.6	1594.9
DISCH KCFS	12.9	14.9	19.3	21.1	21.8	24.7	23.6	27.8	27.7	25.5	16.4	14.8	14.6	11.9	17.3	15.4	12.7
POWER																	
AVE POWER MW		180	233	255	263	298	287	337	333	304	194	174	172	140	204	182	152
PEAK POW MW		645	646	646	647	644	654	647	638	627	622	620	619	621	622	629	640
ENERGY GWH	2145.9	64.7	39.2	55.2	189.5	221.7	206.5	250.5	247.5	218.8	144.3	62.6	28.9	26.8	152.0	135.4	102.3
--BIG BEND--																	
EVAPORATION	129							8	24	31	27	12	6	7	14		
REG INFLOW	14660	443	268	377	1294	1517	1407	1699	1676	1489	981	427	197	182	1052	945	706
RELEASE	14660	443	268	377	1294	1517	1407	1699	1676	1489	981	427	197	182	1052	945	706
STORAGE	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682
ELEV FTMSL	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
DISCH KCFS	12.9	14.9	19.3	21.1	21.8	24.7	23.6	27.6	27.3	25.0	16.0	14.3	14.2	11.4	17.1	15.4	12.7
POWER																	
AVE POWER MW		70	90	99	102	115	111	129	128	119	78	72	72	58	85	75	61
PEAK POW MW		517	510	509	509	509	509	509	509	517	538	538	538	538	538	538	529
ENERGY GWH	844.5	25.4	15.2	21.4	73.3	85.9	79.7	96.2	94.9	85.4	58.3	26.0	12.0	11.1	62.9	55.7	41.0
--FORT RANDALL--																	
NAT INFLOW	643	88	41	53	82	66	167	33	63	30	2				6	-6	19
DEPLETION	80	1	1	1	4	9	12	18	15	7	1	1	0	1	3	3	3
EVAPORATION	147							10	32	39	31	12	5	5	13		
REG INFLOW	15076	529	308	429	1372	1574	1562	1704	1692	1473	951	414	192	176	1042	936	722
RELEASE	15076	256	173	412	1372	1574	1562	1704	1692	1617	1588	718	337	198	676	664	533
STOR CHANGE	0	273	135	17				0	0	-144	-637	-304	-145	-22	366	272	189
STORAGE	3124	3397	3532	3549	3549	3549	3549	3549	3549	3405	2768	2464	2319	2297	2663	2935	3124
ELEV FTMSL	1350.0	1353.4	1355.0	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1353.5	1345.1	1340.4	1337.9	1337.5	1343.5	1347.4	1350.0
DISCH KCFS	9.7	8.6	12.4	23.1	23.1	25.6	26.3	27.7	27.5	27.2	25.8	24.1	24.3	12.5	11.0	10.8	9.6
POWER																	
AVE POWER MW		71	104	193	194	215	220	232	231	226	206	182	177	91	82	84	77
PEAK POW MW		345	351	352	352	352	352	352	352	345	310	288	277	276	303	321	331
ENERGY GWH	1491.0	25.5	17.5	41.8	139.4	159.7	158.4	172.6	171.5	162.7	153.4	65.5	29.8	17.4	61.1	62.7	51.8
--GAVINS POINT--																	
NAT INFLOW	1335	98	46	59	132	147	153	87	85	62	112	50	23	27	75	73	107
DEPLETION	114	0	0	0	5	19	24	39	10	-5	2	5	2	3	10	1	
CHAN STOR	-1	2	-7	-20	0	-5	-1	-3	0	1	3	3	0	22	3	0	2
EVAPORATION	47							3	9	11	10	5	2	2	5		
REG INFLOW	16250	356	211	450	1499	1697	1690	1746	1759	1673	1691	762	355	242	739	736	642
RELEASE	16250	356	211	450	1499	1697	1690	1746	1746	1660	1691	762	355	242	739	736	668
STOR CHANGE									13	13							-26
STORAGE	358	358	358	358	358	358	358	358	371	384	384	384	384	384	384	384	358
ELEV FTMSL	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.5	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1206.0
DISCH KCFS	12.0	12.0	15.2	25.2	25.2	27.6	28.4	28.4	28.4	27.9	27.5	25.6	25.6	15.2	12.0	12.0	12.0
POWER																	
AVE POWER MW		42	53	86	86	94	97	97	97	97	96	89	89	54	43	43	43
PEAK POW MW		114	114	114	114	114	114	114	115	115	115	115	115	115	77	77	76
ENERGY GWH	679.2	15.1	8.9	18.7	62.1	70.0	69.6	71.9	72.3	69.5	71.2	32.2	15.0	10.4	31.9	31.8	28.6
--GAVINS POINT - SIOUX CITY--																	
NAT INFLOW	1135	145	68	87	113	219	158	95	70	44	31	16	7	9	16	-3	60
DEPLETION	239	6	3	3	19	34	29	36	33	21	9	5	2	3	11	12	13
REGULATED FLOW AT SIOUX CITY																	
KAF	17146	496	276	534	1593	1882	1819	1805	1783	1683	1713	773	361	248	744	721	715
KCFS		16.7	19.9	29.9	26.8	30.6	30.6	29.4	29.0	28.3	27.9	26.0	26.0	15.6	12.1	11.7	12.9
--TOTAL--																	
NAT INFLOW	21499	1256	586	753	1942	2883	5469	2922	1066	936	938	424	198	226	615	465	819
DEPLETION	2482	48	22	29	192	612	1410	863	128	-178	-19	-103	-48	-55	-163	-167	-90
CHAN STOR	-12	102	-7	-20	-39	-24	-21	-1	3	59	30	3	0	-51	-12	-19	-13
EVAPORATION	1914							119	373	464	400	178	83	94	204		
STORAGE	47192	48007	48287	48458	48575	48940	51159	51294	50079	49104	47978	47557	47360	47248	47066	46957	47138
SYSTEM POWER																	
AVE POWER MW		606	725	878	956	1070	1104	1184	1171	1021	792	735	728	685	780	783	752
PEAK POW MW		2160	2161	2162	2163	2165	2190	2188	2174	2162	2139	2116	2104	2102	2087	2106	2112
ENERGY GWH	8073.0	218.2	121.8	189.7	688.4	796.3	794.8	881.2	871.6	735.1	589.4	264.6	122.2	131.6	580.2	582.2	505.6
DAILY GWH		14.5	17.4	21.1	22.9	25.7	26.5	28.4	28.1	24.5	19.0	17.6	17.5	16.4	18.7	18.8	18.1
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB

28 FEB03		2003									2004				
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	29FEB
--FORT PECK--																	
NAT INFLOW	6613	267	124	160	579	1019	1603	698	289	278	357	185	86	98	325	233	312
DEPLETION	365	-21	-10	-13	44	302	540	167	-65	-130	-66	-31	-14	-17	-108	-122	-91
EVAPORATION	493							30	94	118	103	47	22	25	54		
MOD INFLOW	5755	288	134	173	535	717	1063	501	260	290	320	169	79	90	379	355	403
RELEASE	5713	134	62	80	417	492	595	584	523	318	267	129	60	127	615	676	633
STOR CHANGE	43	154	72	92	118	225	468	-83	-263	-28	53	39	18	-37	-236	-321	-230
STORAGE	12121	12275	12347	12439	12558	12783	13251	13167	12905	12877	12929	12969	12987	12950	12714	12393	12163
ELEV FTMSL	2219.1	2219.9	2220.3	2220.8	2221.5	2222.7	2225.3	2224.8	2223.4	2223.2	2223.5	2223.7	2223.8	2223.6	2222.4	2220.6	2219.3
DISCH KCFS	12.0	4.5	4.5	4.5	7.0	8.0	10.0	9.5	8.5	5.3	4.3	4.3	4.3	8.0	10.0	11.0	11.0
POWER																	
AVE POWER MW		58	58	58	91	104	131	125	112	70	57	57	57	105	131	143	142
PEAK POW MW		196	196	197	198	199	201	201	199	199	200	200	200	200	198	197	195
ENERGY GWH	902.9	20.9	9.8	12.6	65.5	77.6	94.5	93.2	83.1	50.6	42.5	20.6	9.6	20.2	97.3	106.2	98.7
--GARRISON--																	
NAT INFLOW	10134	478	223	287	768	1290	2718	1903	535	449	431	176	82	94	240	178	282
DEPLETION	1004	2	1	1	6	204	722	477	57	-97	36	-89	-41	-47	-94	-78	-57
CHAN STOR	10	78			-26	-10	-21	5	10	32	10	0	0	-37	-21	-10	
EVAPORATION	582							36	113	141	122	55	25	29	62		
REG INFLOW	14271	688	284	366	1153	1568	2570	1980	898	756	550	339	158	202	866	922	972
RELEASE	14215	476	194	250	1012	1291	1398	1414	1383	994	899	435	203	301	1230	1353	1381
STOR CHANGE	56	212	90	116	141	276	1172	565	-486	-239	-349	-96	-45	-100	-364	-431	-409
STORAGE	14609	14821	14911	15027	15168	15444	16616	17181	16696	16457	16108	16012	15968	15868	15504	15073	14664
ELEV FTMSL	1825.2	1826.0	1826.3	1826.8	1827.3	1828.3	1832.5	1834.4	1832.7	1831.9	1830.7	1830.3	1830.2	1829.8	1828.5	1826.9	1825.4
DISCH KCFS	23.0	16.0	14.0	14.0	17.0	21.0	23.5	23.0	22.5	16.7	14.6	14.6	14.6	19.0	20.0	22.0	24.0
POWER																	
AVE POWER MW		185	163	163	198	246	279	279	273	202	176	175	175	226	236	257	277
PEAK POW MW		343	344	346	347	350	362	368	363	361	357	356	356	354	351	346	342
ENERGY GWH	2037.6	66.6	27.3	35.2	142.8	182.7	201.0	207.4	203.1	145.3	130.7	62.9	29.3	43.3	175.7	191.2	192.9
--OAHE--																	
NAT INFLOW	1794	190	89	114	283	161	714	127	30	80	11				-43	-7	45
DEPLETION	570	22	10	13	45	62	120	138	90	23	-7	2	1	1	11	15	25
CHAN STOR	-5	32	9		-13	-18	-11	2	2	26	10	0	0	-21	-5	-9	-9
EVAPORATION	518							33	101	125	107	48	22	26	56		
REG INFLOW	14916	676	282	351	1236	1372	1981	1373	1224	953	820	385	180	254	1115	1321	1391
RELEASE	14858	441	267	375	1291	1515	1414	1718	1710	1531	1021	445	205	189	1065	946	724
STOR CHANGE	58	235	15	-25	-55	-143	567	-345	-485	-578	-201	-59	-26	65	50	375	667
STORAGE	15245	15480	15495	15471	15415	15273	15839	15494	15009	14431	14230	14171	14145	14210	14260	14635	15302
ELEV FTMSL	1594.9	1595.8	1595.9	1595.8	1595.6	1595.0	1597.2	1595.9	1594.0	1591.7	1590.9	1590.7	1590.6	1590.8	1591.0	1592.5	1595.1
DISCH KCFS	12.7	14.8	19.2	21.0	21.7	24.6	23.8	27.9	27.8	25.7	16.6	14.9	14.8	11.9	17.3	15.4	12.6
POWER																	
AVE POWER MW		179	232	254	262	296	287	338	334	305	196	176	174	141	204	182	151
PEAK POW MW		645	645	645	644	641	651	645	636	625	621	619	619	620	621	629	641
ENERGY GWH	2151.2	64.4	39.0	54.9	188.6	220.6	206.9	251.5	248.2	219.8	145.7	63.3	29.2	27.0	151.7	135.5	105.0
--BIG BEND--																	
EVAPORATION	129							8	24	31	27	12	6	7	14		
REG INFLOW	14729	441	267	375	1291	1515	1414	1710	1685	1500	994	432	200	183	1051	946	724
RELEASE	14729	441	267	375	1291	1515	1414	1710	1685	1500	994	432	200	183	1051	946	724
STORAGE	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682
ELEV FTMSL	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
DISCH KCFS	12.7	14.8	19.2	21.0	21.7	24.6	23.8	27.8	27.4	25.2	16.2	14.5	14.4	11.5	17.1	15.4	12.6
POWER																	
AVE POWER MW		70	90	98	102	115	111	130	128	119	79	73	73	58	85	75	60
PEAK POW MW		517	510	509	509	509	509	509	509	517	538	538	538	538	538	538	529
ENERGY GWH	848.5	25.3	15.1	21.3	73.2	85.8	80.1	96.8	95.4	86.0	59.1	26.3	12.2	11.2	62.9	55.7	42.1
--FORT RANDALL--																	
NAT INFLOW	659	90	42	54	84	67	171	34	65	31	2				7	-7	20
DEPLETION	80	1	1	1	4	9	12	18	15	7	1	1	0	1	3	3	3
EVAPORATION	147							10	32	39	31	12	5	5	13		
REG INFLOW	15161	529	308	428	1371	1573	1573	1716	1704	1485	964	419	194	177	1042	936	741
RELEASE	15161	256	173	411	1371	1573	1573	1716	1704	1629	1601	723	339	199	676	664	552
STOR CHANGE	0	273	135	17				0	0	-144	-637	-304	-145	-22	366	272	189
STORAGE	3124	3397	3532	3549	3549	3549	3549	3549	3549	3405	2768	2464	2319	2297	2663	2935	3124
ELEV FTMSL	1350.0	1353.4	1355.0	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1353.5	1345.1	1340.4	1337.9	1337.5	1343.5	1347.4	1350.0
DISCH KCFS	9.6	8.6	12.4	23.0	23.0	25.6	26.4	27.9	27.7	27.4	26.0	24.3	24.4	12.6	11.0	10.8	9.6
POWER																	
AVE POWER MW		71	104	193	194	214	222	234	232	228	208	183	178	91	82	84	77
PEAK POW MW		345	351	352	352	352	352	352	352	345	310	288	277	276	303	321	331
ENERGY GWH	1499.3	25.5	17.5	41.7	139.3	159.6	159.5	173.9	172.6	163.9	154.6	66.0	30.0	17.5	61.1	62.7	53.7
--GAVINS POINT--																	
NAT INFLOW	1342	98	46	59	133	148	154	87	86	62	112	51	24	27	75	73	108
DEPLETION	114	0	0	0	5	19	24	39	10	-5	2	5	2	3	10	1	
CHAN STOR	-1	2	-7	-20	0	-5	-2	-3	0	1	3	3	0	22	3	0	2
EVAPORATION	47							3	9	11	10	5	2	2	5		
REG INFLOW	16342	357	211	450	1499	1697	1702	1759	1772	1685	1703	768	358	243	739	736	662
RELEASE	16342	357	211	450	1499	1697	1702	1759	1759	1672	1703	768	358	243	739	736	688
STOR CHANGE									13	13							-26
STORAGE	358	358	358	358	358	358	358	358	371	384	384	384	384	384	384	384	358
ELEV FTMSL	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.5	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1206.0
DISCH KCFS	12.0	12.0	15.2	25.2	25.2	27.6	28.6	28.6	28.6	28.1	27.7	25.8	25.8	15.3	12.0	12.0	12.0
POWER																	
AVE POWER MW		42	53	86	86	94	97	97	98	97	96	90	90	54	43	43	42
PEAK POW MW		114	114	114	114	114	114	114	115	115	115	115	115	115	77	77	76
ENERGY GWH	682.9	15.1	8.9	18.7	62.1	70.0	70.1	72.4	72.8	70.0	71.7	32.4	15.1	10.5	31.9	31.8	29.4
--GAVINS POINT - SIOUX CITY--																	
NAT INFLOW	1160	149	69	89	116	224	161	97	72	45	31	16	7	9	17	-3	61
DEPLETION	241	6	3	3	20	34	29	36	33	22	9	5	2	3	11	12	13
REGULATED FLOW AT SIOUX CITY																	
KAF	17261	499	278	536	1595	1887	1834	1820	1798	1695	1725	779	363	249	745	721	736
KCFS		16.8	20.0	30.0	26.8	30.7	30.8	29.6	29.2	28.5	28.1	26.2	26.2	15.7	12.1	11.7	12.8
--TOTAL--																	
NAT INFLOW	21702	1271	593	762	1963	2909	5521	2946	1077	945	944	427	199	228	621	467	828
DEPLETION	2374	10	5	6	124	630	1447	875	140	-180	-25	-107	-50	-57	-167	-169	-107
CHAN STOR	4	112	2	-20	-39	-33	-34	4	13	59	22	3	0	-36	-22	-19	-7
EVAPORATION	1916							119	373	465	400	178	83	94	204		
STORAGE	47138	48012	48325	48525	48729	49088	51295	51432	50211	49235	48102	47682	47485	47391	47207	47102	47294
SYSTEM POWER																	
AVE POWER MW		605	701	854	933	1070	1128	1203	1176	1022	812	754	747	675	780	784	750
PEAK POW MW		2160	2161	2162	2163	2165	2190	2189	2174	2162	2140	2117	2105	2103	2089	2107	2114
ENERGY GWH	8122.3	217.8	117.7	184.4	671.5	796.3	812.1	895.2	875.3	735.6	604.2	271.6	125.5	129.7	580.6	583.1	521.7
DAILY GWH		14.5	16.8	20.5	22.4	25.7	27.1	28.9	28.2	24.5	19.5	18.1	17.9	16.2	18.7	18.8	18.0

INI-SUM 15MAR 22MAR 31MAR 30APR 31MAY 30JUN 31JUL 31AUG 30SEP 31OCT 15NOV 22NOV 30NOV 31DEC 31JAN 29FEB

29 FEB04		2004											2005			
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB
--FORT PECK--																	
NAT INFLOW	6720	271	126	163	588	1036	1629	709	294	282	363	188	88	100	330	237	317
DEPLETION	379	-21	-10	-13	44	303	545	174	-61	-130	-68	-33	-15	-17	-111	-125	-83
EVAPORATION	495							30	95	118	104	47	22	25	54		
MOD INFLOW	5846	292	136	175	544	733	1084	505	260	294	327	173	81	92	387	362	400
RELEASE	5713	134	62	80	357	553	595	584	553	314	263	127	59	127	615	676	611
STOR CHANGE	133	158	74	95	187	180	489	-79	-293	-20	64	45	21	-35	-228	-314	-211
STORAGE	12163	12322	12396	12491	12678	12857	13346	13267	12974	12954	13018	13063	13084	13049	12821	12507	12296
ELEV FTMSL	2219.3	2220.2	2220.6	2221.1	2222.2	2223.1	2225.8	2225.3	2223.8	2223.7	2224.0	2224.3	2224.4	2224.2	2222.9	2221.2	2220.1
DISCH KCFS	11.0	4.5	4.5	4.5	6.0	9.0	10.0	9.5	9.0	5.3	4.3	4.3	4.3	8.0	10.0	11.0	11.0
POWER																	
AVE POWER MW		58	58	59	78	118	132	126	119	69	56	57	57	105	131	143	142
PEAK POW MW		196	197	197	198	199	202	201	200	200	200	200	200	200	199	197	196
ENERGY GWH	905.1	21.0	9.8	12.6	56.3	87.4	94.7	93.5	88.2	50.0	42.0	20.4	9.5	20.2	97.5	106.5	95.6
--GARRISON--																	
NAT INFLOW	10262	484	226	290	777	1306	2752	1927	542	455	437	179	83	95	243	180	286
DEPLETION	939	1	0	1	3	178	707	467	63	-100	31	-93	-43	-49	-96	-79	-52
CHAN STOR	0	68			-16	-31	-10	5	5	38	10	0		-38	-20	-10	0
EVAPORATION	586							36	114	142	123	55	26	29	63		
REG INFLOW	14449	685	288	370	1115	1650	2630	2013	924	765	557	343	160	204	871	925	949
RELEASE	14291	446	194	250	1012	1291	1398	1414	1383	1071	889	430	278	317	1230	1353	1333
STOR CHANGE	159	239	93	120	104	359	1231	599	-460	-306	-332	-87	-117	-113	-359	-428	-384
STORAGE	14664	14903	14996	15116	15220	15579	16811	17410	16950	16644	16311	16224	16107	15994	15635	15207	14823
ELEV FTMSL	1825.4	1826.3	1826.6	1827.1	1827.5	1828.8	1833.1	1835.2	1833.6	1832.6	1831.4	1831.1	1830.7	1830.3	1829.0	1827.4	1826.0
DISCH KCFS	24.0	15.0	14.0	14.0	17.0	21.0	23.5	23.0	22.5	18.0	14.5	14.5	20.0	20.0	20.0	22.0	24.0
POWER																	
AVE POWER MW		174	163	163	199	246	280	280	274	218	175	174	239	238	237	258	278
PEAK POW MW		344	345	346	348	351	364	370	366	362	359	358	357	356	352	347	343
ENERGY GWH	2056.1	62.6	27.4	35.3	143.0	183.1	201.7	208.3	204.2	157.2	129.9	62.5	40.1	45.7	176.2	191.8	186.9
--OAHE--																	
NAT INFLOW	1860	197	92	118	294	167	740	131	31	83	12				-45	-7	46
DEPLETION	585	22	10	13	46	64	123	143	93	23	-8	2	1	1	11	16	25
CHAN STOR	-1	41	4		-13	-18	-11	2	2	20	16	0	-26	0	0	-9	-9
EVAPORATION	521							33	102	125	108	48	23	26	56		
REG INFLOW	15044	662	281	355	1246	1376	2004	1372	1222	1026	818	380	228	291	1117	1320	1345
RELEASE	14882	437	265	374	1291	1522	1417	1727	1718	1541	1031	450	208	191	1065	946	699
STOR CHANGE	162	226	15	-19	-45	-146	587	-355	-496	-514	-213	-70	20	100	52	374	646
STORAGE	15302	15528	15543	15525	15479	15333	15920	15564	15068	14554	14341	14271	14292	14392	14444	14818	15464
ELEV FTMSL	1595.1	1596.0	1596.1	1596.0	1595.8	1595.3	1597.5	1596.1	1594.2	1592.2	1591.4	1591.1	1591.2	1591.6	1591.8	1593.3	1595.8
DISCH KCFS	12.6	14.7	19.1	20.9	21.7	24.8	23.8	28.1	27.9	25.9	16.8	15.1	15.0	12.0	17.3	15.4	12.6
POWER																	
AVE POWER MW		177	231	253	262	298	288	340	336	308	198	178	177	142	205	183	151
PEAK POW MW		646	646	646	645	642	653	646	637	627	623	621	622	624	625	632	644
ENERGY GWH	2159.1	63.8	38.8	54.7	188.8	221.9	207.6	253.2	249.7	221.7	147.6	64.2	29.7	27.3	152.4	136.0	101.6
--BIG BEND--																	
EVAPORATION	129							8	24	31	27	12	6	7	14		
REG INFLOW	14753	437	265	374	1291	1522	1417	1719	1694	1510	1004	438	202	184	1051	946	699
RELEASE	14753	437	265	374	1291	1522	1417	1719	1694	1510	1004	438	202	184	1051	946	699
STORAGE	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682
ELEV FTMSL	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
DISCH KCFS	12.6	14.7	19.1	20.9	21.7	24.8	23.8	28.0	27.5	25.4	16.3	14.7	14.6	11.6	17.1	15.4	12.6
POWER																	
AVE POWER MW		69	90	98	102	116	112	131	129	120	80	74	73	59	85	75	60
PEAK POW MW		517	510	509	509	509	509	509	509	517	538	538	538	538	538	538	529
ENERGY GWH	849.9	25.0	15.0	21.2	73.2	86.2	80.3	97.4	95.9	86.6	59.7	26.7	12.3	11.3	62.9	55.7	40.6
--FORT RANDALL--																	
NAT INFLOW	690	94	44	56	88	70	179	36	68	32	2				7	-7	21
DEPLETION	80	1	1	1	4	9	12	18	15	7	1	1	0	1	3	3	3
EVAPORATION	147							10	32	39	31	12	5	5	13		
REG INFLOW	15217	529	308	429	1375	1583	1584	1727	1715	1495	974	425	197	178	1042	936	717
RELEASE	15217	256	173	412	1375	1583	1584	1727	1715	1640	1611	729	342	201	676	664	528
STOR CHANGE	0	273	135	17			0	0	0	-144	-637	-304	-145	-22	366	272	189
STORAGE	3124	3397	3532	3549	3549	3549	3549	3549	3549	3405	2768	2464	2319	2297	2663	2935	3124
ELEV FTMSL	1350.0	1353.4	1355.0	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1353.5	1345.1	1340.4	1337.9	1337.5	1343.5	1347.4	1350.0
DISCH KCFS	9.6	8.6	12.5	23.1	23.1	25.8	26.6	28.1	27.9	27.6	26.2	24.5	24.6	12.6	11.0	10.8	9.5
POWER																	
AVE POWER MW		71	105	194	194	216	223	235	234	229	209	185	180	92	82	84	76
PEAK POW MW		345	351	352	352	352	352	352	352	345	310	288	277	276	303	321	331
ENERGY GWH	1504.7	25.5	17.6	41.8	139.7	160.6	160.6	175.0	173.8	165.0	155.5	66.5	30.2	17.6	61.1	62.7	51.3
--GAVINS POINT--																	
NAT INFLOW	1359	100	47	60	135	150	155	88	87	63	114	51	24	27	76	74	109
DEPLETION	114	0	0	0	5	19	24	39	10	-5	2	5	2	3	10	1	
CHAN STOR	-1	2	-7	-20	0	-5	-2	-3	0	1	3	3	0	22	3	0	2
EVAPORATION	47							3	9	11	10	5	2	2	5		
REG INFLOW	16414	358	212	452	1505	1709	1714	1771	1784	1697	1716	774	361	245	740	737	639
RELEASE	16414	358	212	452	1505	1709	1714	1771	1771	1684	1716	774	361	245	740	737	665
STOR CHANGE									13	13							-26
STORAGE	358	358	358	358	358	358	358	358	371	384	384	384	384	384	384	384	358
ELEV FTMSL	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.5	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1206.0
DISCH KCFS	12.0	12.0	15.3	25.3	25.3	27.8	28.8	28.8	28.8	28.3	27.9	26.0	26.0	15.5	12.0	12.0	12.0
POWER																	
AVE POWER MW		42	53	87	87	95	98	98	98	98	97	91	91	55	43	43	42
PEAK POW MW		114	114	114	114	114	114	114	115	115	115	115	115	115	77	77	76
ENERGY GWH	685.6	15.2	8.9	18.7	62.4	70.5	70.5	72.9	73.2	70.4	72.2	32.7	15.2	10.5	31.9	31.8	28.4
--GAVINS POINT - SIOUX CITY--																	
NAT INFLOW	1211	155	72	93	121	234	168	101	75	47	33	17	8	9	17	-3	64
DEPLETION	247	6	3	4	20	34	30	36	34	22	9	6	3	3	12	13	13
REGULATED FLOW AT SIOUX CITY																	
KAF	17378	507	282	541	1606	1909	1852	1836	1812	1709	1740	785	366	251	745	721	716
KCFS		17.0	20.3	30.3	27.0	31.1	31.1	29.9	29.5	28.7	28.3	26.4	26.4	15.8	12.1	11.7	12.9
--TOTAL--																	
NAT INFLOW	22102	1301	607	780	2003	2963	5623	2992	1097	962	961	434	203	231	628	474	843
DEPLETION	2344	9	4	6	122	607	1441	877	154	-183	-33	-112	-52	-60	-171	-171	-94
CHAN STOR	-1	110	-3	-20	-29	-54	-23	4	8	59	29	3	-26	-15	-17	-19	-7
EVAPORATION	1925							119	375	467	402	179	83	95	206		
STORAGE	47294	48189	48507	48721	48966	49359	51666	51830	50594	49622	48503	48088	47868	47798	47628	47533	47747
SYSTEM POWER																	
AVE POWER MW		592	700	854	921	1089	1133	1210	1189	1043	816	758	816	691	782	786	751
PEAK POW MW		2162	2163	2164	2166	2168	2194	2193	2178	2167	2145	2122	2110	2109	2094	2113	2120
ENERGY GWH	8160.5	213.1	117.6	184.4	663.4	809.9	815.5	900.2	885.0	750.8	606.8	273.0	137.1	132.6	582.1	584.6	504.4
DAILY GWH		14.2	16.8	20.5	22.1	26.1	27.2	29.0	28.5	25.0	19.6	18.2	19.6	16.6	18.8	18.9	18.0

TIME OF STUDY 07:07:45 NAVIGATION SEASON SHORTENED AT 40 MAF ON JULY 1 STUDY NO 23
VALUES IN 1000 AF EXCEPT AS INDICATED

28 FEB05			2005										2006			
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB
--FORT PECK--																	
NAT INFLOW	6751	272	127	163	591	1041	1636	712	295	284	365	188	88	100	332	238	318
DEPLETION	388	-21	-10	-13	44	304	549	181	-57	-131	-70	-34	-16	-18	-112	-125	-84
EVAPORATION	499							30	95	119	104	47	22	25	55		
MOD INFLOW	5864	294	137	176	547	737	1087	501	257	296	331	174	81	93	389	363	402
RELEASE	5752	134	62	80	357	553	595	584	553	330	277	134	63	127	615	676	611
STOR CHANGE	112	160	75	96	190	184	492	-84	-297	-34	54	40	19	-34	-225	-313	-209
STORAGE	12296	12456	12531	12626	12816	13000	13492	13408	13112	13078	13131	13171	13190	13156	12930	12617	12408
ELEV FTMSL	2220.1	2220.9	2221.3	2221.9	2222.9	2223.9	2226.5	2226.1	2224.5	2224.3	2224.6	2224.8	2224.9	2224.7	2223.5	2221.8	2220.7
DISCH KCFS	11.0	4.5	4.5	4.5	6.0	9.0	10.0	9.5	9.0	5.5	4.5	4.5	4.5	8.0	10.0	11.0	11.0
POWER																	
AVE POWER MW		58	59	59	78	118	132	126	119	73	60	60	60	106	131	143	143
PEAK POW MW		197	197	198	199	200	203	202	201	200	201	201	201	200	198	197	
ENERGY GWH	914.0	21.0	9.8	12.7	56.5	87.7	95.0	93.7	88.5	52.7	44.3	21.4	10.0	20.3	97.7	106.8	95.8
--GARRISON--																	
NAT INFLOW	10290	485	226	291	779	1310	2760	1932	543	456	438	179	84	95	243	181	287
DEPLETION	899	1	0	1	3	178	717	483	63	-103	26	-102	-48	-54	-110	-92	-64
CHAN STOR	0	68			-16	-31	-10	5	5	35	11	0		-36	-20	-10	0
EVAPORATION	589							36	114	142	123	55	26	29	63		
REG INFLOW	14554	686	288	371	1118	1654	2628	2002	924	782	576	360	168	212	884	939	962
RELEASE	14418	446	194	250	1012	1291	1398	1414	1445	1071	934	452	278	317	1230	1353	1333
STOR CHANGE	136	240	94	121	106	363	1229	588	-521	-290	-357	-92	-110	-105	-345	-414	-371
STORAGE	14823	15063	15157	15278	15384	15747	16976	17564	17043	16754	16396	16304	16195	16089	15744	15330	14959
ELEV FTMSL	1826.0	1826.9	1827.2	1827.7	1828.1	1829.4	1833.7	1835.7	1833.9	1832.9	1831.7	1831.4	1831.0	1830.6	1829.4	1827.9	1826.5
DISCH KCFS	24.0	15.0	14.0	14.0	17.0	21.0	23.5	23.0	23.5	18.0	15.2	15.2	20.0	20.0	20.0	22.0	24.0
POWER																	
AVE POWER MW		175	164	164	199	247	281	281	287	219	184	183	239	239	237	259	279
PEAK POW MW		346	347	348	349	353	366	372	367	364	360	359	358	357	353	349	345
ENERGY GWH	2081.0	62.8	27.5	35.5	143.6	183.9	202.5	209.0	213.7	157.5	136.6	65.8	40.2	45.8	176.7	192.4	187.5
--OAHE--																	
NAT INFLOW	1877	199	93	119	297	168	747	132	31	84	12				-45	-7	47
DEPLETION	597	22	10	13	46	65	126	147	96	24	-8	2	1	1	11	16	25
CHAN STOR	-1	40	4		-13	-18	-11	2	-2	25	13		-22	0	0	-9	-9
EVAPORATION	524							33	102	126	108	49	23	26	57		
REG INFLOW	15174	663	281	356	1249	1376	2008	1368	1275	1030	858	402	232	291	1117	1320	1346
RELEASE	15035	436	268	381	1314	1540	1432	1746	1737	1559	1049	459	212	193	1065	946	699
STOR CHANGE	139	228	13	-25	-65	-163	576	-377	-461	-529	-191	-57	20	98	52	374	647
STORAGE	15464	15692	15705	15680	15615	15452	16028	15651	15189	14661	14470	14413	14432	14530	14582	14956	15603
ELEV FTMSL	1595.8	1596.6	1596.7	1596.6	1596.3	1595.7	1597.9	1596.5	1594.7	1592.6	1591.9	1591.7	1591.7	1592.1	1592.3	1593.8	1596.3
DISCH KCFS	12.6	14.6	19.3	21.3	22.1	25.0	24.1	28.4	28.2	26.2	17.1	15.4	15.3	12.1	17.3	15.4	12.6
POWER																	
AVE POWER MW		178	235	259	268	302	292	345	340	312	202	183	181	144	205	183	152
PEAK POW MW		649	649	648	647	644	655	648	639	629	625	624	625	627	628	635	647
ENERGY GWH	2186.8	63.9	39.4	55.9	192.7	225.0	210.3	256.4	252.9	224.8	150.6	65.7	30.4	27.6	152.9	136.4	101.9
--BIG BEND--																	
EVAPORATION	129							8	24	31	27	12	6	7	14		
REG INFLOW	14906	436	268	381	1314	1540	1432	1738	1712	1528	1022	447	206	186	1051	946	699
RELEASE	14906	436	268	381	1314	1540	1432	1738	1712	1528	1022	447	206	186	1051	946	699
STORAGE	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682
ELEV FTMSL	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
DISCH KCFS	12.6	14.6	19.3	21.3	22.1	25.0	24.1	28.3	27.8	25.7	16.6	15.0	14.9	11.7	17.1	15.4	12.6
POWER																	
AVE POWER MW		69	91	100	103	117	113	132	130	122	82	76	75	59	85	75	60
PEAK POW MW		517	510	509	509	509	509	509	509	517	538	538	538	538	538	538	529
ENERGY GWH	858.6	25.0	15.2	21.6	74.4	87.2	81.1	98.4	97.0	87.6	60.8	27.2	12.6	11.4	62.9	55.7	40.6
--FORT RANDALL--																	
NAT INFLOW	696	95	44	57	89	71	181	36	68	32	2				7	-7	21
DEPLETION	80	1	1	1	4	9	12	18	15	7	1	1	0	1	3	3	3
EVAPORATION	147							10	32	39	31	12	5	5	13		
REG INFLOW	15375	529	312	437	1399	1602	1601	1746	1733	1513	992	434	201	180	1042	936	717
RELEASE	15375	256	177	420	1399	1602	1601	1746	1733	1657	1629	738	346	203	676	664	528
STOR CHANGE	0	273	135	17				0	0	-144	-637	-304	-145	-22	366	272	189
STORAGE	3124	3397	3532	3549	3549	3549	3549	3549	3549	3405	2768	2464	2319	2297	2663	2935	3124
ELEV FTMSL	1350.0	1353.4	1355.0	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1353.5	1345.1	1340.4	1337.9	1337.5	1343.5	1347.4	1350.0
DISCH KCFS	9.5	8.6	12.7	23.5	23.5	26.0	26.9	28.4	28.2	27.9	26.5	24.8	24.9	12.8	11.0	10.8	9.5
POWER																	
AVE POWER MW		71	107	197	197	218	225	238	236	232	211	187	182	93	82	84	76
PEAK POW MW		345	351	352	352	352	352	352	352	345	310	288	277	276	303	321	331
ENERGY GWH	1520.2	25.5	17.9	42.6	142.1	162.4	162.3	176.8	175.6	166.8	157.3	67.3	30.6	17.8	61.1	62.7	51.3
--GAVINS POINT--																	
NAT INFLOW	1362	100	47	60	135	150	156	88	87	63	114	51	24	27	76	75	110
DEPLETION	114	0	0	0	5	19	24	39	10	-5	2	5	2	3	10	1	
CHAN STOR	-1	2	-8	-21	0	-5	-2	-3	0	1	3	3	0	23	3	0	2
EVAPORATION	47							3	9	11	10	5	2	2	5		
REG INFLOW	16575	358	215	459	1529	1728	1732	1789	1802	1715	1734	782	365	248	740	738	640
RELEASE	16575	358	215	459	1529	1728	1732	1789	1789	1702	1734	782	365	248	740	738	666
STOR CHANGE									13	13							-26
STORAGE	358	358	358	358	358	358	358	358	371	384	384	384	384	384	384	384	358
ELEV FTMSL	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.5	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1206.0
DISCH KCFS	12.0	12.0	15.5	25.7	25.7	28.1	29.1	29.1	29.1	28.6	28.2	26.3	26.3	15.6	12.0	12.0	12.0
POWER																	
AVE POWER MW		42	54	88	88	96	99	99	99	99	98	92	92	55	43	43	42
PEAK POW MW		114	114	114	114	114	114	114	115	115	115	115	115	115	77	77	76
ENERGY GWH	691.5	15.2	9.1	19.0	63.3	71.2	71.1	73.4	73.8	71.2	72.9	33.0	15.4	10.6	31.9	31.9	28.5
--GAVINS POINT - SIOUX CITY--																	
NAT INFLOW	1223	157	73	94	122	236	170	102	75	47	33	17	8	9	18	-3	65
DEPLETION	248	6	3	4	20	34	30	37	34	22	9	6	3	3	12	13	13
REGULATED FLOW AT SIOUX CITY																	
KAF	17550	508	286	549	1631	1930	1872	1854	1830	1727	1758	794	371	254	746	722	718
KCFS		17.1	20.6	30.8	27.4	31.4	31.5	30.2	29.8	29.0	28.6	26.7	26.7	16.0	12.1	11.7	12.9
--TOTAL--																	
NAT INFLOW	22199	1308	610	785	2013	2976	5650	3002	1099	966	964	435	203	232	631	477	848
DEPLETION	2326	9	4	6	122	609	1458	905	161	-186	-40	-123	-57	-65	-186	-184	-107
CHAN STOR	-1	110	-3	-21	-29	-54	-23	4	3	60	26	3	-23	-13	-17	-19	-7
EVAPORATION	1934							120	377	469	404	180	83	95	207		
STORAGE	47747	48647	48964	49173	49404	49788	52085	52212	50946	49963	48831	48418	48202	48138	47984	47904	48134
SYSTEM POWER																	
AVE POWER MW		593	708	867	934	1099	1142	1220	1212	1056	837	779	828	696	784	787	752
PEAK POW MW		2168	2169	2170	2171	2173	2199	2197	2182	2171	2149	2126	2114	2113	2099	2117	2125
ENERGY GWH	8252.1	213.4	119.0	187.2	672.7	817.5	822.3	907.8	901.4	760.5	622.4	280.5	139.2	133.6	583.2	585.9	505.7
DAILY GWH		14.2	17.0	20.8	22.4	26.4	27.4	29.3	29.1	25.3	20.1	18.7	19.9	16.7	18.8	18.9	18.1
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB

	28 FEB06	2006											2007			
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB
--FORT PECK--																	
NAT INFLOW	7022	283	132	170	615	1083	1702	741	307	295	379	196	91	104	345	248	331
DEPLETION	400	-21	-10	-13	43	305	553	188	-52	-131	-72	-34	-16	-18	-112	-126	-84
EVAPORATION	504							31	96	120	106	48	22	26	55		
MOD INFLOW	6118	304	142	183	572	778	1149	522	263	306	345	182	85	97	402	374	415
RELEASE	5913	134	62	80	357	584	625	615	584	320	269	130	61	127	615	738	611
STOR CHANGE	205	171	80	102	215	194	524	-93	-321	-15	76	51	24	-30	-213	-364	-196
STORAGE	12408	12579	12658	12760	12975	13169	13694	13601	13279	13265	13341	13392	13416	13386	13173	12809	12613
ELEV FTMSL	2220.7	2221.6	2222.1	2222.6	2223.8	2224.8	2227.6	2227.1	2225.4	2225.3	2225.7	2226.0	2226.1	2226.0	2224.8	2222.9	2221.8
DISCH KCFS	11.0	4.5	4.5	4.5	6.0	9.5	10.5	10.0	9.5	5.4	4.4	4.4	4.4	8.0	10.0	12.0	11.0
POWER																	
AVE POWER MW		59	59	59	79	125	139	133	126	71	58	58	58	106	132	157	143
PEAK POW MW		198	198	199	200	201	204	203	202	201	202	202	202	202	201	199	198
ENERGY GWH	943.3	21.1	9.9	12.7	56.7	92.9	100.2	99.0	93.7	51.4	43.2	20.9	9.8	20.4	98.3	117.0	96.3
--GARRISON--																	
NAT INFLOW	10598	500	233	300	803	1349	2842	1990	559	470	451	185	86	98	251	186	295
DEPLETION	1125	-5	-2	-3	-9	204	752	525	57	-121	22	-83	-39	-44	-64	-45	-21
CHAN STOR	0	68			-15	-36	-10	5	5	41	10	0		-37	-20	-20	10
EVAPORATION	595							36	116	144	124	56	26	30	64		
REG INFLOW	14791	706	298	383	1154	1693	2705	2048	975	809	584	341	159	203	846	948	937
RELEASE	14540	446	194	250	1012	1353	1458	1476	1445	1071	902	437	264	317	1230	1353	1333
STOR CHANGE	251	260	104	133	142	340	1247	573	-470	-262	-318	-95	-104	-114	-384	-404	-396
STORAGE	14959	15219	15323	15456	15598	15938	17185	17758	17288	17026	16708	16613	16508	16394	16010	15606	15210
ELEV FTMSL	1826.5	1827.5	1827.9	1828.3	1828.9	1830.1	1834.4	1836.3	1834.8	1833.9	1832.8	1832.4	1832.1	1831.7	1830.3	1828.9	1827.4
DISCH KCFS	24.0	15.0	14.0	14.0	17.0	22.0	24.5	24.0	23.5	18.0	14.7	14.7	19.0	20.0	20.0	22.0	24.0
POWER																	
AVE POWER MW		175	164	165	200	260	294	294	289	220	179	178	229	240	239	260	281
PEAK POW MW		348	349	350	352	355	368	374	369	366	363	362	361	360	356	352	348
ENERGY GWH	2109.7	63.1	27.6	35.6	144.3	193.4	212.0	218.9	214.7	158.4	132.9	64.0	38.5	46.2	177.8	193.6	188.7
--OAHE--																	
NAT INFLOW	2048	217	101	130	324	183	815	144	34	92	13				-49	-8	51
DEPLETION	613	23	11	14	47	66	129	151	100	25	-8	2	1	1	11	16	26
CHAN STOR	-1	40	4		-13	-22	-11	2	2	25	15	0	-20	-5	0	-9	-9
EVAPORATION	533							34	105	128	110	49	23	26	57		
REG INFLOW	15441	681	290	367	1275	1448	2133	1437	1277	1034	828	386	220	286	1112	1320	1349
RELEASE	15183	557	146	361	1317	1558	1442	1774	1763	1588	1083	475	220	196	1058	947	697
STOR CHANGE	258	124	143	6	-42	-110	691	-337	-487	-554	-255	-90	0	90	54	372	652
STORAGE	15603	15727	15871	15876	15835	15725	16415	16078	15591	15037	14782	14692	14692	14782	14836	15209	15861
ELEV FTMSL	1596.3	1596.7	1597.3	1597.3	1597.1	1596.7	1599.3	1598.0	1596.2	1594.1	1593.1	1592.8	1592.8	1593.1	1593.3	1594.8	1597.2
DISCH KCFS	12.6	18.7	10.5	20.2	22.1	25.3	24.2	28.9	28.7	26.7	17.6	16.0	15.8	12.3	17.2	15.4	12.5
POWER																	
AVE POWER MW		227	128	246	269	308	296	353	348	321	210	190	188	147	205	185	152
PEAK POW MW		649	652	652	651	649	662	656	647	636	631	630	630	631	632	640	652
ENERGY GWH	2222.2	81.8	21.6	53.2	193.9	228.8	213.1	262.8	259.0	230.9	156.6	68.5	31.6	28.2	152.7	137.3	102.2
--BIG BEND--																	
EVAPORATION	129							8	24	31	27	12	6	7	14		
REG INFLOW	15054	557	146	361	1317	1558	1442	1767	1739	1557	1056	463	214	189	1044	947	697
RELEASE	15054	557	146	361	1317	1558	1442	1767	1739	1557	1056	463	214	189	1044	947	697
STORAGE	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682
ELEV FTMSL	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
DISCH KCFS	12.6	18.7	10.5	20.2	22.1	25.3	24.2	28.7	28.3	26.2	17.2	15.6	15.4	11.9	17.0	15.4	12.5
POWER																	
AVE POWER MW		88	49	95	104	119	113	134	132	124	84	78	78	60	84	75	60
PEAK POW MW		510	509	509	509	509	509	509	509	517	538	538	538	538	538	538	529
ENERGY GWH	866.9	31.6	8.3	20.4	74.6	88.2	81.7	100.0	98.5	89.3	62.8	28.2	13.1	11.6	62.5	55.8	40.5
--FORT RANDALL--																	
NAT INFLOW	779	106	49	64	100	79	203	41	76	36	2				8	-8	23
DEPLETION	80	1	1	1	4	9	12	18	15	7	1	1	0	1	3	3	3
EVAPORATION	147							10	32	39	31	12	5	5	13		
REG INFLOW	15606	661	195	424	1413	1628	1633	1780	1768	1547	1026	450	209	183	1036	936	717
RELEASE	15606	253	178	424	1413	1628	1633	1780	1768	1691	1663	754	354	206	670	664	528
STOR CHANGE	0	408	17		0		0	0	0	-144	-637	-304	-145	-22	366	272	189
STORAGE	3124	3532	3549	3549	3549	3549	3549	3549	3549	3405	2768	2464	2319	2297	2663	2935	3124
ELEV FTMSL	1350.0	1355.0	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1353.5	1345.1	1340.4	1337.9	1337.5	1343.5	1347.4	1350.0
DISCH KCFS	9.5	8.5	12.8	23.7	23.7	26.5	27.4	28.9	28.8	28.4	27.1	25.3	25.5	13.0	10.9	10.8	9.5
POWER																	
AVE POWER MW		71	108	199	199	222	230	242	241	236	216	191	186	94	81	84	76
PEAK POW MW		351	352	352	352	352	352	352	352	345	310	288	277	276	303	321	331
ENERGY GWH	1543.2	25.4	18.2	43.0	143.5	165.1	165.5	180.2	179.1	170.1	160.5	68.8	31.2	18.1	60.6	62.7	51.3
--GAVINS POINT--																	
NAT INFLOW	1401	103	48	62	139	155	160	91	89	65	117	53	25	28	78	77	113
DEPLETION	114	0	0	0	5	19	24	39	10	-5	2	5	2	3	10	1	
CHAN STOR	-1	2	-8	-21	0	-5	-2	-3	0	1	3	3	0	23	4	0	2
EVAPORATION	47							3	9	11	10	5	2	2	5		
REG INFLOW	16846	358	218	464	1547	1759	1767	1826	1839	1751	1771	800	373	252	737	740	643
RELEASE	16846	358	218	464	1547	1759	1767	1826	1826	1738	1771	800	373	252	737	740	669
STOR CHANGE									13	13							-26
STORAGE	358	358	358	358	358	358	358	358	371	384	384	384	384	384	384	384	358
ELEV FTMSL	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.5	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1206.0
DISCH KCFS	12.0	12.0	15.7	26.0	26.0	28.6	29.7	29.7	29.7	29.2	28.8	26.9	26.9	15.9	12.0	12.0	12.0
POWER																	
AVE POWER MW		42	55	89	89	97	100	100	101	100	100	94	94	56	43	43	43
PEAK POW MW		114	114	114	114	114	114	114	115	115	115	115	115	115	77	77	76
ENERGY GWH	700.5	15.2	9.2	19.2	64.0	72.4	72.1	74.5	74.8	72.2	74.2	33.7	15.7	10.8	31.8	31.9	28.6
--GAVINS POINT - SIOUX CITY--																	
NAT INFLOW	1356	174	81	104	135	262	188	113	84	52	37	19	9	10	20	-4	72
DEPLETION	251	6	3	4	21	35	30	37	34	22	10	6	3	3	12	13	13
REGULATED FLOW AT SIOUX CITY																	
KAF	17951	525	296	565	1661	1986	1925	1902	1876	1768	1798	814	380	259	745	723	728
KCFS		17.7	21.3	31.6	27.9	32.3	32.4	30.9	30.5	29.7	29.2	27.4	27.4	16.3	12.1	11.8	13.1
--TOTAL--																	
NAT INFLOW	23204	1383	645	829	2116	3111	5910	3120	1149	1010	999	452	211	241	653	491	885
DEPLETION	2583	4	2	2	111	638	1500	958	164	-203	-45	-104	-48	-55	-140	-138	-63
CHAN STOR	-1	110	-4	-21	-29	-63	-23	4	8	67	28	3	-20	-18	-16	-29	4
EVAPORATION	1955							121	381	474	408	182	84	96	209		
STORAGE	48134	49097	49441	49682	49997	50421	52883	53025	51761	50798	49665	49227	49002	48925	48748	48624	48848
SYSTEM POWER																	
AVE POWER MW		661	564	853	940	1130	1173	1257	1236	1073	847	789	833	704	784	804	755
PEAK POW MW		2170	2174	2176	2178	2181	2209	2208	2193	2182	2159	2136	2124	2123	2108	2126	2133
ENERGY GWH	8385.9	238.1	94.7	184.2	677.0	840.9	844.5	935.4	919.8	772.3	630.1	284.1	139.9	135.2	583.6	598.4	507.6
DAILY GWH		15.9	13.5	20.5	22.6	27.1	28.2	30.2	29.7	25.7	20.3	18.9	20.0	16.9	18.8	19.3	18.1
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB

28FEB02		2002										2003			
INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB
--FORT PECK--																
NAT INFLOW 5435	250	116	150	549	834	1061	468	270	258	341	169	79	90	289	218	293
DEPLETION 444	-4	-2	-2	77	311	543	141	-57	-123	-52	-32	-15	-17	-107	-126	-91
EVAPORATION 461							28	88	111	96	44	20	23	50		
MOD INFLOW 4530	254	118	152	472	523	518	299	239	270	297	157	73	84	346	344	384
RELEASE 5464	119	56	71	298	430	506	523	523	362	286	149	97	143	615	676	611
STOR CHANGE -934	135	63	81	174	93	12	-224	-284	-92	10	9	-24	-59	-269	-332	-227
STORAGE 11504	11639	11702	11782	11957	12049	12061	11838	11554	11462	11472	11481	11457	11398	11129	10797	10570
ELEV FTMSL 2215.6	2216.3	2216.7	2217.2	2218.1	2218.7	2218.7	2217.5	2215.8	2215.3	2215.4	2215.4	2215.3	2214.9	2213.4	2211.4	2210.0
DISCH KCFS 11.5	4.0	4.0	4.0	5.0	7.0	8.5	8.5	8.5	6.1	4.7	5.0	7.0	9.0	10.0	11.0	11.0
POWER																
AVE POWER MW	51	51	51	64	90	109	109	108	77	59	63	89	114	125	137	136
PEAK POW MW	191	192	192	193	194	194	193	190	190	190	190	190	189	187	184	183
ENERGY GWH 835.8	18.3	8.6	11.0	46.1	66.8	78.6	80.9	80.4	55.5	43.9	22.8	14.9	21.8	93.3	101.7	91.1
--GARRISON--																
NAT INFLOW 8026	297	138	178	770	993	2221	1404	397	305	429	177	83	94	119	176	245
DEPLETION 1281	22	10	13	38	135	714	464	77	-81	50	-58	-27	-31	-33	-16	2
CHAN STOR 5	79			-11	-21	-16	0		25	15	-4	-21	-21	-11	-11	0
EVAPORATION 535							33	104	129	112	50	23	27	57		
REG INFLOW 11680	473	184	236	1019	1267	1997	1430	739	645	569	329	162	220	699	858	854
RELEASE 12810	446	167	214	893	1168	1190	1230	1230	884	776	446	236	301	1230	1261	1139
STOR CHANGE -1130	27	17	22	126	99	807	200	-491	-239	-208	-117	-74	-81	-530	-403	-285
STORAGE 13860	13887	13904	13925	14052	14151	14958	15158	14666	14427	14220	14103	14029	13948	13417	13015	12730
ELEV FTMSL 1822.3	1822.4	1822.5	1822.6	1823.1	1823.4	1826.5	1827.2	1825.4	1824.5	1823.7	1823.3	1823.0	1822.7	1820.6	1818.9	1817.8
DISCH KCFS 21.0	15.0	12.0	12.0	15.0	19.0	20.0	20.0	20.0	14.9	12.6	15.0	17.0	19.0	20.0	20.5	20.5
POWER																
AVE POWER MW	170	136	136	170	216	230	233	232	171	145	171	193	215	225	227	225
PEAK POW MW	333	333	333	335	336	345	347	342	339	337	335	334	333	327	323	319
ENERGY GWH 1761.1	61.1	22.9	29.4	122.6	160.6	165.4	173.1	172.4	123.2	107.8	61.6	32.5	41.3	167.0	169.0	151.2
--OAHE--																
NAT INFLOW 1184	223	104	134	206	113	242	92	24	72	6	-6	-3	-3	-54	-13	47
DEPLETION 557	22	10	13	45	61	117	134	87	22	-7	2	1	1	11	15	24
CHAN STOR 2	28	14		-14	-19	-5			25	11	-12	-10	-10	-5	-2	
EVAPORATION 466							30	91	111	96	43	20	23	51		
REG INFLOW 12973	675	274	335	1040	1202	1310	1158	1076	848	705	384	202	264	1109	1230	1162
RELEASE 14131	462	283	368	1250	1500	1417	1708	1702	1372	795	267	116	138	991	770	991
STOR CHANGE -1158	213	-9	-34	-210	-298	-107	-550	-626	-524	-90	117	86	126	117	460	171
STORAGE 14477	14690	14681	14647	14437	14139	14032	13482	12856	12332	12242	12359	12445	12571	12688	13148	13319
ELEV FTMSL 1591.9	1592.8	1592.7	1592.6	1591.8	1590.5	1590.1	1587.8	1585.2	1582.8	1582.4	1583.0	1583.4	1583.9	1584.4	1586.4	1587.2
DISCH KCFS 17.9	15.5	20.4	20.6	21.0	24.4	23.8	27.8	27.7	23.1	12.9	9.0	8.4	8.7	16.1	12.5	17.8
POWER																
AVE POWER MW	184	242	245	249	287	279	322	316	260	145	101	95	98	183	143	205
PEAK POW MW	630	629	629	625	619	617	605	591	579	577	579	581	584	587	598	601
ENERGY GWH 1974.8	66.4	40.7	52.9	179.1	213.4	200.7	239.7	235.4	187.4	108.0	36.4	15.9	18.9	135.8	106.4	137.8
--BIG BEND--																
EVAPORATION 129							8	24	31	27	12	6	7	14		
REG INFLOW 14003	462	283	368	1250	1500	1417	1700	1677	1341	768	255	111	131	977	770	991
RELEASE 14003	462	283	368	1250	1500	1417	1700	1677	1341	768	255	111	131	977	770	991
STORAGE 1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682
ELEV FTMSL 1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
DISCH KCFS 17.9	15.5	20.4	20.6	21.0	24.4	23.8	27.6	27.3	22.5	12.5	8.6	8.0	8.3	15.9	12.5	17.8
POWER																
AVE POWER MW	74	96	97	98	114	112	129	128	107	63	43	40	42	79	62	86
PEAK POW MW	518	510	509	509	509	509	509	509	523	538	538	538	538	538	538	529
ENERGY GWH 807.9	26.5	16.1	20.9	70.8	84.9	80.3	96.3	95.0	77.1	47.0	15.6	6.8	8.1	58.9	46.2	57.5
--FORT RANDALL--																
NAT INFLOW 366	67	31	40	52	42	146	16	44	-12	-62	-3	-1	-2		-7	15
DEPLETION 80	1	1	1	4	9	12	18	15	7	1	1	0	1	3	3	3
EVAPORATION 141							10	32	39	28	10	5	5	13		
REG INFLOW 14143	528	314	408	1298	1533	1551	1688	1675	1284	672	241	104	124	962	760	1003
RELEASE 14143	268	165	391	1298	1533	1551	1688	1675	1599	1569	282	104	124	689	670	539
STOR CHANGE 0	260	149	17	0		0	0	0	-315	-897	-41	0	0	273	90	464
STORAGE 3124	3383	3532	3549	3549	3549	3549	3549	3549	3234	2337	2297	2297	2296	2569	2659	3123
ELEV FTMSL 1350.0	1353.2	1355.0	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1351.4	1338.2	1337.5	1337.5	1337.5	1342.1	1343.5	1350.0
DISCH KCFS 9.7	9.0	11.9	21.9	21.8	24.9	26.1	27.5	27.2	26.9	25.5	9.5	7.5	7.8	11.2	10.9	9.7
POWER																
AVE POWER MW	74	100	184	183	209	219	230	228	222	196	69	55	57	83	83	77
PEAK POW MW	344	351	352	352	352	352	352	352	337	278	276	276	276	297	303	332
ENERGY GWH 1394.2	26.7	16.7	39.7	132.0	155.5	157.3	171.1	169.7	159.6	145.7	24.9	9.2	10.9	61.8	61.8	51.5
--GAVINS POINT--																
NAT INFLOW 1229	89	42	53	123	134	141	78	78	56	107	46	21	25	69	67	100
DEPLETION 114	0	0	0	5	19	24	39	10	-5	2	5	2	3	10	1	
CHAN STOR -1	1	-6	-19	0	-6	-2	-3	0	1	3	30	4	-1	-6	1	2
EVAPORATION 47							3	9	11	10	5	2	2	5		
REG INFLOW 15211	359	201	425	1416	1642	1666	1722	1735	1649	1666	348	125	143	736	737	641
RELEASE 15211	359	201	425	1416	1642	1666	1722	1722	1636	1666	348	125	143	736	737	667
STOR CHANGE								13	13							-26
STORAGE 358	358	358	358	358	358	358	358	371	384	384	384	384	384	384	384	358
ELEV FTMSL 1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.5	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1206.0
DISCH KCFS 12.0	12.1	14.5	23.8	23.8	26.7	28.0	28.0	28.0	27.5	27.1	11.7	9.0	9.0	12.0	12.0	12.0
POWER																
AVE POWER MW	42	51	82	82	91	95	95	96	95	94	42	32	32	43	43	42
PEAK POW MW	114	114	114	114	114	114	114	115	115	115	115	115	115	77	77	76
ENERGY GWH 636.5	15.2	8.5	17.7	58.8	67.8	68.7	71.0	71.3	68.6	70.2	15.0	5.4	6.2	31.8	31.8	28.5
--GAVINS POINT - SIOUX CITY--																
NAT INFLOW 664	44	21	26	93	173	128	57	26	18	17	12	5	6	12	-6	32
DEPLETION 239	6	3	3	19	34	29	36	33	21	9	5	2	3	11	12	13
REGULATED FLOW AT SIOUX CITY																
KAF 15636	397	219	448	1490	1781	1765	1743	1715	1633	1674	355	128	146	737	719	686
KCFS	13.3	15.8	25.1	25.0	29.0	29.7	28.3	27.9	27.4	27.2	11.9	9.2	9.2	12.0	11.7	12.4
--TOTAL--																
NAT INFLOW 16904	969	452	581	1793	2289	3939	2115	839	697	838	395	184	211	435	435	732
DEPLETION 2715	47	22	28	188	569	1439	832	165	-159	3	-77	-36	-41	-105	-111	-49
CHAN STOR 1	109	8	-19	-24	-46	-23	-3	0	51	24	15	-27	-32	-22	-13	2
EVAPORATION 1777							111	348	431	368	164	77	87	190		
STORAGE 45005	45639	45858	45944	46035	45928	46640	46067	44678	43521	42337	42305	42293	42279	41870	41685	41782
SYSTEM POWER																
AVE POWER MW	595	675	794	846	1007	1043	1118	1108	932	702	490	504	558	738	695	770
PEAK POW MW	2130	2130	2129	2128	2124	2131	2120	2099	2083	2034	2033	2034	2036	2013	2022	2040
ENERGY GWH 7410.3	214.2	113.4	171.6	609.4	749.1	751.0	832.0	824.4	671.3	522.6	176.3	84.6	107.2	548.7	516.9	517.5
DAILY GWH	14.3	16.2	19.1	20.3	24.2	25.0	26.8	26.6	22.4	16.9	11.8	12.1	13.4	17.7	16.7	18.5

INI-SUM 15MAR 22MAR 31MAR 30APR 31MAY 30JUN 31JUL 31AUG 30SEP 31OCT 15NOV 22NOV 30NOV 31DEC 31JAN 28FEB

28FEB03			2003								2004					
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	29FEB
--FORT PECK--																	
NAT INFLOW	5615	258	120	155	567	862	1097	483	279	266	352	175	81	93	298	226	303
DEPLETION	365	-6	-3	-3	67	299	488	148	-54	-124	-54	-32	-15	-17	-106	-124	-100
EVAPORATION	444							27	85	106	93	42	20	22	48		
MOD INFLOW	4806	264	123	158	500	563	609	308	248	284	313	164	76	87	356	350	403
RELEASE	5357	119	56	71	298	430	506	523	523	313	263	149	97	143	615	676	575
STOR CHANGE	-550	145	67	87	202	133	103	-215	-274	-30	50	15	-21	-55	-259	-326	-172
STORAGE	10570	10715	10782	10869	11071	11204	11307	11093	10818	10789	10838	10854	10833	10778	10518	10192	10020
ELEV FTMSL	2210.0	2210.9	2211.3	2211.8	2213.0	2213.8	2214.4	2213.2	2211.5	2211.3	2211.6	2211.7	2211.6	2211.3	2209.7	2207.7	2206.6
DISCH KCFS	11.0	4.0	4.0	4.0	5.0	7.0	8.5	8.5	8.5	5.3	4.3	5.0	7.0	9.0	10.0	11.0	10.0
POWER																	
AVE POWER MW		50	50	50	62	88	107	107	106	65	53	62	87	111	123	134	121
PEAK POW MW		184	184	185	187	188	188	187	185	184	185	185	185	184	182	179	178
ENERGY GWH	803.0	17.8	8.3	10.8	45.0	65.3	76.8	79.3	78.7	47.1	39.6	22.4	14.6	21.4	91.7	99.9	84.3
--GARRISON--																	
NAT INFLOW	8444	312	146	187	810	1045	2337	1477	418	320	451	187	87	99	125	185	258
DEPLETION	1044	28	13	17	24	211	694	450	52	-114	15	-77	-36	-41	-82	-64	-46
CHAN STOR	11	76			-11	-21	-16	0		34	11	-8	-21	-21	-11	-11	11
EVAPORATION	516							32	100	125	108	49	23	26	55		
REG INFLOW	12251	479	188	242	1073	1243	2133	1518	789	657	602	355	176	236	756	915	890
RELEASE	12931	446	167	214	893	1168	1190	1230	1230	936	802	388	236	301	1230	1291	1208
STOR CHANGE	-680	33	22	28	180	75	943	288	-441	-279	-201	-33	-60	-66	-474	-377	-318
STORAGE	12730	12763	12784	12812	12992	13067	14010	14298	13857	13577	13377	13344	13284	13218	12744	12368	12050
ELEV FTMSL	1817.8	1817.9	1818.0	1818.1	1818.9	1819.2	1822.9	1824.0	1822.3	1821.2	1820.4	1820.3	1820.0	1819.8	1817.8	1816.3	1814.9
DISCH KCFS	20.5	15.0	12.0	12.0	15.0	19.0	20.0	20.0	20.0	15.7	13.1	13.1	17.0	19.0	20.0	21.0	21.0
POWER																	
AVE POWER MW		165	132	132	165	210	224	227	227	177	146	146	189	211	220	228	226
PEAK POW MW		320	320	320	322	323	334	338	332	329	327	327	326	325	319	315	311
ENERGY GWH	1736.3	59.3	22.2	28.5	119.1	156.0	161.0	169.1	168.8	127.7	108.9	52.5	31.8	40.5	163.8	169.8	157.2
--OAHE--																	
NAT INFLOW	1263	238	111	143	220	120	259	99	25	77	6	-6	-3	-3	-58	-14	50
DEPLETION	570	22	10	13	45	62	120	138	90	23	-7	2	1	1	11	15	25
CHAN STOR	-3	27	14		-14	-19	-5			22	14		-21	-10	-5	-5	
EVAPORATION	438							28	85	104	90	41	19	22	49		
REG INFLOW	13184	689	282	344	1053	1207	1324	1163	1079	909	740	340	193	265	1107	1257	1233
RELEASE	13882	452	280	367	1255	1492	1400	1705	1697	1372	597	227	122	137	991	771	1015
STOR CHANGE	-698	237	2	-24	-202	-285	-76	-542	-617	-464	143	112	70	128	116	486	218
STORAGE	13319	13555	13557	13534	13332	13046	12970	12428	11811	11347	11490	11603	11673	11801	11917	12402	12621
ELEV FTMSL	1587.2	1588.2	1588.2	1588.1	1587.2	1586.0	1585.7	1583.3	1580.5	1578.3	1578.9	1579.5	1579.8	1580.4	1580.9	1583.2	1584.1
DISCH KCFS	17.8	15.2	20.2	20.6	21.1	24.3	23.5	27.7	27.6	23.1	9.7	7.6	8.8	8.7	16.1	12.5	17.6
POWER																	
AVE POWER MW		176	233	238	243	278	268	313	307	253	106	84	97	96	179	140	199
PEAK POW MW		607	607	606	602	595	594	581	566	555	558	561	563	566	569	580	586
ENERGY GWH	1892.8	63.3	39.2	51.4	175.2	206.8	193.3	233.0	228.3	182.2	79.2	30.3	16.4	18.4	133.0	104.4	138.5
--BIG BEND--																	
EVAPORATION	129							8	24	31	27	12	6	7	14		
REG INFLOW	13753	452	280	367	1255	1492	1400	1697	1672	1341	570	215	117	131	977	771	1015
RELEASE	13753	452	280	367	1255	1492	1400	1697	1672	1341	570	215	117	131	977	771	1015
STORAGE	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682
ELEV FTMSL	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
DISCH KCFS	17.8	15.2	20.2	20.6	21.1	24.3	23.5	27.6	27.2	22.5	9.3	7.2	8.4	8.2	15.9	12.5	17.6
POWER																	
AVE POWER MW		72	95	96	99	114	110	129	127	107	47	37	43	42	79	62	85
PEAK POW MW		518	510	509	509	509	509	509	509	523	538	538	538	538	538	538	529
ENERGY GWH	792.8	25.9	15.9	20.8	71.1	84.5	79.3	96.1	94.7	77.1	34.9	13.2	7.2	8.0	58.9	46.3	58.9
--FORT RANDALL--																	
NAT INFLOW	404	74	35	44	58	47	161	18	48	-13	-69	-4	-2	-2		-8	16
DEPLETION	80	1	1	1	4	9	12	18	15	7	1	1	0	1	3	3	3
EVAPORATION	140							10	32	39	27	10	5	5	13		
REG INFLOW	13930	525	314	411	1309	1530	1549	1687	1674	1283	466	201	110	123	962	760	1028
RELEASE	13930	265	165	394	1309	1530	1549	1687	1674	1598	1403	201	110	123	689	670	564
STOR CHANGE	0	260	148	17			0	0	0	-315	-937	0	0	0	273	90	464
STORAGE	3123	3384	3532	3549	3549	3549	3549	3549	3549	3234	2297	2297	2297	2297	2570	2660	3124
ELEV FTMSL	1350.0	1353.2	1355.0	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1351.4	1337.5	1337.5	1337.5	1337.5	1342.1	1343.5	1350.0
DISCH KCFS	9.7	8.9	11.9	22.1	22.0	24.9	26.0	27.4	27.2	26.9	22.8	6.7	7.9	7.7	11.2	10.9	9.8
POWER																	
AVE POWER MW		73	100	185	185	209	218	230	228	222	175	49	58	56	83	83	77
PEAK POW MW		344	351	352	352	352	352	352	352	337	275	276	276	276	297	303	332
ENERGY GWH	1374.6	26.4	16.8	40.0	133.1	155.3	157.1	171.0	169.6	159.5	130.1	17.7	9.7	10.8	61.8	61.8	53.9
--GAVINS POINT--																	
NAT INFLOW	1242	90	42	54	124	136	143	79	79	57	108	47	22	25	69	67	101
DEPLETION	114	0	0	0	5	19	24	39	10	-5	2	5	2	3	10	1	
CHAN STOR	-1	2	-6	-19	0	-6	-2	-3	0	1	8	30	-2	0	-6	1	2
EVAPORATION	47							3	9	11	10	5	2	2	5		
REG INFLOW	15011	357	202	429	1428	1642	1666	1722	1735	1649	1506	268	125	143	736	737	667
RELEASE	15011	357	202	429	1428	1642	1666	1722	1722	1636	1506	268	125	143	736	737	693
STOR CHANGE									13	13							-26
STORAGE	358	358	358	358	358	358	358	358	371	384	384	384	384	384	384	384	358
ELEV FTMSL	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.5	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1206.0
DISCH KCFS	12.0	12.0	14.5	24.0	24.0	26.7	28.0	28.0	28.0	27.5	24.5	9.0	9.0	9.0	12.0	12.0	12.0
POWER																	
AVE POWER MW		42	51	82	82	91	95	95	96	95	86	32	32	32	43	43	43
PEAK POW MW		114	114	114	114	114	114	114	115	115	115	115	115	115	77	77	76
ENERGY GWH	628.2	15.1	8.5	17.8	59.3	67.8	68.7	71.0	71.3	68.6	63.8	11.6	5.4	6.2	31.8	31.8	29.6
--GAVINS POINT - SIOUX CITY--																	
NAT INFLOW	730	48	23	29	102	191	141	63	29	20	18	13	6	7	13	-7	35
DEPLETION	241	6	3	3	20	34	29	36	33	22	9	5	2	3	11	12	13
REGULATED FLOW AT SIOUX CITY																	
KAF	15500	399	222	454	1510	1799	1778	1749	1718	1634	1515	275	128	147	738	718	715
KCFS		13.4	16.0	25.4	25.4	29.3	29.9	28.4	27.9	27.5	24.6	9.3	9.2	9.3	12.0	11.7	12.4
--TOTAL--																	
NAT INFLOW	17698	1020	476	612	1881	2401	4138	2219	878	727	866	411	192	219	447	449	763
DEPLETION	2414	50	23	30	165	634	1367	829	146	-191	-34	-96	-45	-51	-153	-157	-105
CHAN STOR	1	104	9	-19	-25	-46	-23	-3	0	57	26	23	-44	-31	-22	-15	13
EVAPORATION	1714							107	335	415	355	159	74	85	184		
STORAGE	41782	42457	42696	42804	42985	42907	43876	43408	42088	41013	40068	40163	40152	40159	39815	39687	39854
SYSTEM POWER																	
AVE POWER MW		577	660	784	837	989	1023	1101	1091	920	614	410	506	549	727	691	751
PEAK POW MW		2086	2087	2087	2086	2081	2091	2080	2059	2043	1998	2001	2002	2004	1982	1993	2011
ENERGY GWH	7227.8	207.8	110.9	169.3	602.7	735.7	736.2	819.5	811.6	662.1	456.5	147.7	85.0	105.3	541.0	514.0	522.5
DAILY GWH		13.9	15.8	18.8	20.1	23.7	24.5	26.4	26.2	22.1	14.7	9.8	12.1	13.2	17.5	16.6	18.0

	29FEB04			2004										2005		
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB
--FORT PECK--																	
NAT INFLOW	5748	264	123	158	580	882	1123	495	285	273	361	179	83	95	305	231	310
DEPLETION	378	-11	-5	-7	71	304	495	155	-50	-124	-55	-34	-16	-18	-109	-127	-92
EVAPORATION	435							26	83	104	91	41	19	22	47		
MOD INFLOW	4935	275	128	165	509	578	628	314	252	293	325	171	80	91	367	358	402
RELEASE	5308	119	56	71	298	430	506	523	523	310	260	126	97	143	615	676	555
STOR CHANGE	-372	156	73	94	211	148	122	-209	-271	-17	65	45	-18	-52	-248	-318	-153
STORAGE	10020	10176	10249	10343	10554	10702	10824	10615	10344	10327	10392	10437	10419	10367	10119	9801	9647
ELEV FTMSL	2206.6	2207.6	2208.1	2208.6	2209.9	2210.8	2211.6	2210.3	2208.6	2208.5	2208.9	2209.2	2209.1	2208.8	2207.2	2205.2	2204.3
DISCH KCFS	10.0	4.0	4.0	4.0	5.0	7.0	8.5	8.5	8.5	5.2	4.2	4.2	7.0	9.0	10.0	11.0	10.0
POWER																	
AVE POWER MW		49	49	49	62	86	105	105	104	64	52	52	86	110	122	133	120
PEAK POW MW		179	180	181	182	184	185	183	181	181	181	182	181	181	179	176	175
ENERGY GWH	785.0	17.5	8.2	10.6	44.3	64.3	75.8	78.2	77.6	46.0	38.7	18.7	14.4	21.1	90.5	98.6	80.4
--GARRISON--																	
NAT INFLOW	8762	324	151	194	840	1084	2425	1533	433	332	468	194	90	103	130	192	268
DEPLETION	980	5	2	3	9	211	704	466	57	-117	10	-80	-37	-43	-90	-72	-48
CHAN STOR	0	65			-11	-22	-16	0		35	10		-30	-22	-11	-11	11
EVAPORATION	504							31	98	122	105	47	22	25	54		
REG INFLOW	12586	504	205	263	1118	1282	2211	1559	801	672	623	352	173	242	770	929	882
RELEASE	13035	417	167	214	893	1261	1220	1261	1261	952	805	390	236	301	1230	1291	1139
STOR CHANGE	-450	87	38	49	225	21	991	298	-460	-280	-182	-37	-63	-60	-460	-362	-256
STORAGE	12050	12137	12175	12224	12449	12470	13461	13759	13299	13019	12838	12800	12737	12678	12218	11856	11600
ELEV FTMSL	1814.9	1815.3	1815.5	1815.7	1816.6	1816.7	1820.7	1821.9	1820.1	1819.0	1818.2	1818.1	1817.8	1817.6	1815.7	1814.1	1813.0
DISCH KCFS	21.0	14.0	12.0	12.0	15.0	20.5	20.5	20.5	20.5	16.0	13.1	13.1	17.0	19.0	20.0	21.0	20.5
POWER																	
AVE POWER MW		151	130	130	163	222	225	230	229	178	145	144	186	208	217	225	217
PEAK POW MW		312	312	313	316	316	328	331	326	323	321	320	319	319	313	309	305
ENERGY GWH	1723.4	54.3	21.8	28.1	117.1	165.4	162.4	170.8	170.5	127.8	107.6	51.9	31.3	39.9	161.3	167.2	146.1
--OAHE--																	
NAT INFLOW	1323	249	116	149	231	126	271	103	26	81	7	-7	-3	-3	-61	-15	52
DEPLETION	585	22	10	13	46	64	123	143	93	23	-8	2	1	1	11	16	25
CHAN STOR	2	35	10		-15	-27				24	15		-21	-11	-5	-5	3
EVAPORATION	431							27	83	104	90	40	19	21	47		
REG INFLOW	13345	679	282	350	1063	1295	1368	1193	1111	930	745	342	193	265	1105	1255	1168
RELEASE	13805	447	275	360	1238	1490	1387	1704	1693	445	1530	225	122	137	991	772	989
STOR CHANGE	-461	232	7	-9	-175	-195	-19	-510	-582	485	-785	117	71	128	114	483	179
STORAGE	12621	12852	12860	12850	12675	12480	12461	11950	11369	11854	11068	11185	11256	11384	11498	11981	12160
ELEV FTMSL	1584.1	1585.2	1585.2	1585.1	1584.4	1583.5	1583.4	1581.1	1578.4	1580.7	1576.9	1577.5	1577.8	1578.4	1579.0	1581.2	1582.1
DISCH KCFS	17.6	15.0	19.8	20.1	20.8	24.2	23.3	27.7	27.5	7.5	24.9	7.6	8.8	8.6	16.1	12.6	17.8
POWER																	
AVE POWER MW		171	226	229	236	273	262	309	302	83	272	82	96	95	177	139	198
PEAK POW MW		591	591	591	587	582	582	570	555	567	547	551	552	556	558	570	575
ENERGY GWH	1859.1	61.4	37.9	49.5	169.9	203.2	188.8	229.8	224.8	59.4	202.3	29.7	16.1	18.2	131.4	103.3	133.3
--BIG BEND--																	
EVAPORATION	129							8	24	31	27	12	6	7	14		
REG INFLOW	13676	447	275	360	1238	1490	1387	1696	1668	414	1503	213	117	131	977	772	989
RELEASE	13676	447	275	360	1238	1490	1387	1696	1668	414	1503	213	117	131	977	772	989
STORAGE	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682
ELEV FTMSL	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
DISCH KCFS	17.6	15.0	19.8	20.1	20.8	24.2	23.3	27.6	27.1	7.0	24.4	7.2	8.4	8.2	15.9	12.6	17.8
POWER																	
AVE POWER MW		71	93	94	97	113	109	129	127	35	122	36	43	42	79	62	85
PEAK POW MW		518	510	509	509	509	509	509	509	538	538	538	538	538	538	538	529
ENERGY GWH	792.6	25.6	15.6	20.4	70.1	84.4	78.6	96.0	94.5	25.4	91.1	13.1	7.2	8.0	58.9	46.3	57.4
--FORT RANDALL--																	
NAT INFLOW	433	80	37	48	62	50	174	19	52	-15	-75	-4	-2	-2		-9	17
DEPLETION	80	1	1	1	4	9	12	18	15	7	1	1	0	1	3	3	3
EVAPORATION	130							10	32	33	22	10	5	5	13		
REG INFLOW	13886	525	312	407	1296	1531	1549	1687	1674	345	1403	200	110	123	962	760	1003
RELEASE	13887	265	164	390	1296	1531	1549	1687	1674	1598	1403	201	110	123	689	670	539
STOR CHANGE	-1	260	148	17				0	0	-1252	0	0	0	0	273	90	464
STORAGE	3124	3384	3532	3549	3549	3549	3549	3549	3549	2296	2296	2296	2296	2296	2569	2659	3123
ELEV FTMSL	1350.0	1353.2	1355.0	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1337.5	1337.5	1337.5	1337.5	1337.5	1342.1	1343.5	1350.0
DISCH KCFS	9.8	8.9	11.8	21.8	21.8	24.9	26.0	27.4	27.2	26.9	22.8	6.7	7.9	7.7	11.2	10.9	9.7
POWER																	
AVE POWER MW		73	99	183	183	209	218	230	228	209	164	49	58	56	83	83	77
PEAK POW MW		344	351	352	352	352	352	352	352	274	276	276	276	276	297	303	332
ENERGY GWH	1353.3	26.4	16.6	39.6	131.8	155.3	157.1	171.0	169.6	150.3	122.2	17.7	9.7	10.8	61.8	61.8	51.5
--GAVINS POINT--																	
NAT INFLOW	1246	91	42	54	125	136	143	79	79	57	108	47	22	25	70	68	101
DEPLETION	114	0	0	0	5	19	24	39	10	-5	2	5	2	3	10	1	
CHAN STOR	-1	2	-6	-19	0	-6	-2	-3	0	1	8	30	-2	0	-6	1	2
EVAPORATION	47							3	9	11	10	5	2	2	5		
REG INFLOW	14972	358	201	425	1416	1642	1666	1722	1735	1649	1506	268	125	143	737	738	642
RELEASE	14972	358	201	425	1416	1642	1666	1722	1722	1636	1506	268	125	143	737	738	668
STOR CHANGE									13	13							-26
STORAGE	358	358	358	358	358	358	358	358	371	384	384	384	384	384	384	384	358
ELEV FTMSL	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.5	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1206.0
DISCH KCFS	12.0	12.0	14.5	23.8	23.8	26.7	28.0	28.0	28.0	27.5	24.5	9.0	9.0	9.0	12.0	12.0	12.0
POWER																	
AVE POWER MW		42	50	82	82	91	95	95	96	95	86	32	32	32	43	43	43
PEAK POW MW		114	114	114	114	114	114	114	115	115	115	115	115	115	77	77	76
ENERGY GWH	626.6	15.1	8.5	17.7	58.8	67.8	68.7	71.0	71.3	68.6	63.8	11.6	5.4	6.2	31.8	31.8	28.6
--GAVINS POINT - SIOUX CITY--																	
NAT INFLOW	785	52	24	31	110	205	151	68	31	21	20	14	6	7	14	-7	38
DEPLETION	247	6	3	4	20	34	30	36	34	22	9	6	3	3	12	13	13
REGULATED FLOW AT SIOUX CITY																	
KAF	15510	403	222	452	1506	1813	1787	1754	1719	1635	1517	276	129	147	739	718	693
KCFS		13.5	16.0	25.3	25.3	29.5	30.0	28.5	28.0	27.5	24.7	9.3	9.3	9.3	12.0	11.7	12.5
--TOTAL--																	
NAT INFLOW	18297	1060	494	636	1948	2483	4287	2297	906	749	889	422	197	225	458	460	786
DEPLETION	2384	23	11	14	155	641	1388	857	159	-194	-41	-101	-47	-54	-163	-166	-99
CHAN STOR	-12	102	4	-19	-26	-55	-18	-3	0	46	31	32	-53	-32	-23	-16	16
EVAPORATION	1675							105	328	405	346	155	73	83	180		
STORAGE	39854	40589	40855	41006	41267	41241	42334	41913	40614	39563	38661	38784	38774	38791	38470	38362	38570
SYSTEM POWER																	
AVE POWER MW		556	647	767	822	995	1016	1098	1086	663	841	396	501	543	720	684	740
PEAK POW MW		2058	2059	2060	2060	2057	2070	2059	2038	1998	1978	1981	1982	1984	1962	1973	1991
ENERGY GWH	7139.9	200.3	108.6	165.8	592.1	740.5	731.3	816.8	808.4	477.5	625.5	142.7	84.1	104.2	535.8	509.2	497.3
DAILY GWH		13.4	15.5	18.4	19.7	23.9	24.4	26.3	26.1	15.9	20.2	9.5	12.0	13.0	17.3	16.4	17.8

INI-SUM 15MAR 22MAR 31MAR 30APR 31MAY 30JUN 31JUL 31AUG 30SEP 31OCT 15NOV 22NOV 30NOV 31DEC 31JAN 28FEB

TIME OF STUDY 13:26:07 NAVIGATION SEASON SHORTENED AT 52 MAF ON JULY 1 STUDY NO 28
VALUES IN 1000 AF EXCEPT AS INDICATED

	28FEB05	2005											2006			
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB
--FORT PECK--																	
NAT INFLOW	5919	272	127	163	598	909	1156	509	294	281	371	184	86	98	314	238	319
DEPLETION	388	-11	-5	-7	70	305	500	162	-46	-125	-57	-34	-16	-18	-110	-128	-92
EVAPORATION	429							26	82	102	90	41	19	22	47		
MOD INFLOW	5102	283	132	170	528	604	656	321	258	304	338	177	83	95	377	366	411
RELEASE	5259	119	56	71	298	430	506	523	523	309	259	126	97	127	584	676	555
STOR CHANGE	-157	164	77	98	230	174	150	-202	-264	-5	79	52	-15	-32	-207	-310	-144
STORAGE	9647	9811	9888	9986	10217	10390	10540	10339	10074	10069	10147	10199	10185	10152	9945	9635	9490
ELEV FTMSL	2204.3	2205.3	2205.8	2206.4	2207.9	2208.9	2209.8	2208.6	2207.0	2206.9	2207.4	2207.8	2207.7	2207.5	2206.2	2204.2	2203.3
DISCH KCFS	10.0	4.0	4.0	4.0	5.0	7.0	8.5	8.5	8.5	8.5	5.2	4.2	4.2	7.0	8.0	9.5	11.0	10.0
POWER																	
AVE POWER MW		48	48	48	61	86	104	104	103	63	51	52	85	97	115	132	119
PEAK POW MW		176	177	178	180	181	182	181	179	178	179	180	179	179	177	175	174
ENERGY GWH	771.8	17.3	8.1	10.5	43.8	63.7	75.1	77.5	77.0	45.5	38.2	18.5	14.3	18.7	85.5	98.1	80.0
--GARRISON--																	
NAT INFLOW	9185	340	158	204	881	1136	2542	1607	454	349	491	203	95	108	136	201	281
DEPLETION	965	2	1	1	3	211	714	482	63	-120	6	-84	-39	-45	-98	-79	-54
CHAN STOR	0	66			-11	-22	-16	0		35	10		-30	-11	-16	-16	11
EVAPORATION	501							31	97	121	105	47	22	25	54		
REG INFLOW	12979	523	213	274	1165	1334	2317	1617	817	693	650	364	179	244	748	940	901
RELEASE	13172	387	167	214	893	1261	1250	1291	1291	952	795	385	236	301	1230	1353	1166
STOR CHANGE	-193	136	46	60	272	73	1068	326	-475	-259	-145	-20	-57	-58	-481	-413	-265
STORAGE	11600	11736	11783	11842	12114	12188	13255	13581	13106	12847	12702	12682	12624	12567	12085	11672	11407
ELEV FTMSL	1813.0	1813.6	1813.8	1814.1	1815.2	1815.5	1819.9	1821.2	1819.3	1818.3	1817.7	1817.6	1817.4	1817.1	1815.1	1813.3	1812.2
DISCH KCFS	20.5	13.0	12.0	12.0	15.0	20.5	21.0	21.0	21.0	16.0	12.9	12.9	17.0	19.0	20.0	22.0	21.0
POWER																	
AVE POWER MW		138	128	128	161	220	229	234	233	177	142	142	186	207	216	234	221
PEAK POW MW		307	308	308	312	313	326	329	324	321	319	319	318	317	311	306	303
ENERGY GWH	1730.3	49.8	21.5	27.7	115.9	163.8	165.1	174.0	173.7	127.2	105.9	51.1	31.2	39.8	160.7	174.2	148.7
--OAHE--																	
NAT INFLOW	1408	265	123	159	245	134	288	110	28	86	7	-7	-3	-3	-64	-16	56
DEPLETION	597	22	10	13	46	65	126	147	96	24	-8	2	1	1	11	16	25
CHAN STOR	-2	38	5		-15	-28	-3			27	17		-22	-11	-5	-11	5
EVAPORATION	415							27	81	98	85	39	18	21	46		
REG INFLOW	13566	667	285	360	1076	1302	1409	1228	1142	942	742	338	192	266	1103	1310	1202
RELEASE	13763	440	272	355	1232	1484	1369	1702	1688	1375	609	227	122	137	991	773	987
STOR CHANGE	-198	228	13	5	-156	-182	40	-474	-545	-433	133	111	70	128	112	537	216
STORAGE	12160	12388	12401	12406	12250	12068	12108	11634	11088	10656	10789	10899	10969	11098	11210	11747	11962
ELEV FTMSL	1582.1	1583.1	1583.2	1583.2	1582.5	1581.6	1581.8	1579.6	1577.0	1574.8	1575.5	1576.1	1576.4	1577.1	1577.6	1580.2	1581.2
DISCH KCFS	17.8	14.8	19.6	19.9	20.7	24.1	23.0	27.7	27.5	23.1	9.9	7.6	8.8	8.6	16.1	12.6	17.8
POWER																	
AVE POWER MW		166	220	223	232	269	256	306	299	248	106	82	95	94	175	138	197
PEAK POW MW		580	580	580	577	572	573	562	548	537	540	543	545	548	551	565	570
ENERGY GWH	1833.0	59.7	36.9	48.3	167.2	200.1	184.4	227.4	222.2	178.7	79.1	29.7	16.0	18.0	130.3	102.7	132.3
--BIG BEND--																	
EVAPORATION	129							8	24	31	27	12	6	7	14		
REG INFLOW	13634	440	272	355	1232	1484	1369	1694	1663	1344	582	215	117	131	977	773	987
RELEASE	13634	440	272	355	1232	1484	1369	1694	1663	1344	582	215	117	131	977	773	987
STORAGE	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682
ELEV FTMSL	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
DISCH KCFS	17.8	14.8	19.6	19.9	20.7	24.1	23.0	27.6	27.1	22.6	9.5	7.2	8.4	8.2	15.9	12.6	17.8
POWER																	
AVE POWER MW		70	92	93	97	113	108	129	127	107	48	37	43	42	79	62	85
PEAK POW MW		518	510	509	509	509	509	509	509	523	538	538	538	538	538	538	529
ENERGY GWH	786.1	25.2	15.4	20.1	69.8	84.0	77.6	95.9	94.2	77.3	35.7	13.2	7.2	8.0	58.9	46.4	57.3
--FORT RANDALL--																	
NAT INFLOW	476	88	41	53	68	55	191	21	57	-16	-82	-4	-2	-2		-10	19
DEPLETION	80	1	1	1	4	9	12	18	15	7	1	1	0	1	3	3	3
EVAPORATION	140							10	32	39	27	10	5	5	13		
REG INFLOW	13883	526	312	406	1296	1530	1548	1687	1674	1283	465	200	109	123	962	760	1003
RELEASE	13883	265	164	389	1296	1530	1548	1687	1674	1598	1402	200	110	123	689	670	539
STOR CHANGE	1	261	148	17	0	0		0	0	-315	-937	0	0	0	273	90	464
STORAGE	3123	3384	3532	3549	3549	3549	3549	3549	3549	3234	2297	2297	2297	2297	2570	2660	3124
ELEV FTMSL	1350.0	1353.2	1355.0	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1351.4	1337.5	1337.5	1337.5	1337.5	1342.1	1343.5	1350.0
DISCH KCFS	9.7	8.9	11.8	21.8	21.8	24.9	26.0	27.4	27.2	26.9	22.8	6.7	7.9	7.7	11.2	10.9	9.7
POWER																	
AVE POWER MW		73	99	183	183	209	218	230	228	222	175	49	57	56	83	83	77
PEAK POW MW		344	351	352	352	352	352	352	352	337	275	276	276	276	297	303	332
ENERGY GWH	1370.0	26.4	16.6	39.6	131.8	155.2	157.0	171.0	169.6	159.5	130.0	17.7	9.7	10.8	61.8	61.8	51.5
--GAVINS POINT--																	
NAT INFLOW	1252	91	42	55	125	137	144	79	79	57	109	47	22	25	70	68	102
DEPLETION	114	0	0	0	5	19	24	39	10	-5	2	5	2	3	10	1	
CHAN STOR	-1	2	-6	-19	0	-6	-2	-3	0	1	8	30	-2	0	-7	1	2
EVAPORATION	47							3	9	11	10	5	2	2	5		
REG INFLOW	14973	358	201	425	1416	1642	1666	1722	1735	1649	1506	268	125	143	737	738	643
RELEASE	14973	358	201	425	1416	1642	1666	1722	1722	1636	1506	268	125	143	737	738	669
STOR CHANGE									13	13							-26
STORAGE	358	358	358	358	358	358	358	358	371	384	384	384	384	384	384	384	358
ELEV FTMSL	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.5	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1206.0
DISCH KCFS	12.0	12.0	14.5	23.8	23.8	26.7	28.0	28.0	28.0	27.5	24.5	9.0	9.0	9.0	12.0	12.0	12.0
POWER																	
AVE POWER MW		42	50	82	82	91	95	95	96	95	86	32	32	32	43	43	43
PEAK POW MW		114	114	114	114	114	114	114	115	115	115	115	115	115	77	77	76
ENERGY GWH	626.7	15.2	8.5	17.7	58.8	67.8	68.7	71.0	71.3	68.6	63.8	11.6	5.4	6.2	31.8	31.8	28.6
--GAVINS POINT - SIOUX CITY--																	
NAT INFLOW	862	57	27	34	121	225	166	74	34	23	22	15	7	8	16	-8	41
DEPLETION	248	6	3	4	20	34	30	37	34	22	9	6	3	3	12	13	13
REGULATED FLOW AT SIOUX CITY																	
KAF	15587	409	225	456	1517	1833	1802	1759	1722	1637	1519	277	129	148	741	717	697
KCFS		13.7	16.2	25.5	25.5	29.8	30.3	28.6	28.0	27.5	24.7	9.3	9.3	9.3	12.0	11.7	12.5
--TOTAL--																	
NAT INFLOW	19102	1112	519	667	2038	2596	4487	2400	946	780	918	438	204	234	472	473	818
DEPLETION	2392	20	9	12	148	643	1406	885	172	-197	-47	-105	-49	-56	-172	-174	-105
CHAN STOR	-9	106	0	-19	-26	-56	-21	-3	0	63	28	30	-54	-21	-28	-26	18
EVAPORATION	1660							104	324	402	344	154	72	82	179		
STORAGE	38570	39359	39643	39823	40170	40235	41493	41143	39871	38871	38001	38143	38141	38179	37876	37780	38024
SYSTEM POWER																	
AVE POWER MW		538	637	758	816	988	1011	1098	1086	912	608	394	499	528	711	692	742
PEAK POW MW		2040	2041	2042	2043	2041	2057	2047	2026	2011	1966	1970	1971	1974	1952	1964	1983
ENERGY GWH	7117.8	193.6	107.1	163.8	587.3	734.8	727.9	816.8	808.0	656.6	452.6	141.8	83.8	101.4	529.1	515.0	498.4
DAILY GWH		12.9	15.3	18.2	19.6	23.7	24.3	26.3	26.1	21.9	14.6	9.5	12.0	12.7	17.1	16.6	17.8
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB

	28FEB06		2006											2007			
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB
--FORT PECK--																	
NAT INFLOW	5961	274	128	164	602	915	1164	513	296	283	374	185	86	99	317	240	321
DEPLETION	400	-11	-5	-7	70	306	504	169	-41	-125	-59	-35	-16	-19	-110	-128	-93
EVAPORATION	425							26	81	102	89	41	19	22	47		
MOD INFLOW	5136	285	133	171	532	609	660	318	256	306	344	179	84	96	380	368	414
RELEASE	5270	119	56	71	298	430	506	523	523	293	246	119	97	143	615	676	555
STOR CHANGE	-135	166	77	100	234	179	154	-205	-267	13	98	60	-13	-47	-234	-308	-141
STORAGE	9490	9656	9734	9833	10068	10247	10401	10196	9929	9943	10040	10100	10087	10040	9805	9497	9356
ELEV FTMSL	2203.3	2204.3	2204.8	2205.5	2206.9	2208.0	2209.0	2207.7	2206.1	2206.1	2206.8	2207.1	2207.0	2206.8	2205.3	2203.3	2202.4
DISCH KCFS	10.0	4.0	4.0	4.0	5.0	7.0	8.5	8.5	8.5	4.9	4.0	4.0	7.0	9.0	10.0	11.0	10.0
POWER																	
AVE POWER MW		48	48	48	61	85	104	104	103	60	49	49	85	109	120	131	119
PEAK POW MW		175	176	177	178	180	181	180	177	177	178	179	179	178	176	174	172
ENERGY GWH	770.0	17.2	8.1	10.4	43.6	63.4	74.8	77.2	76.6	43.0	36.2	17.5	14.3	20.9	89.6	97.6	79.6
--GARRISON--																	
NAT INFLOW	9293	344	160	206	891	1150	2572	1626	460	353	496	205	96	109	137	204	284
DEPLETION	1053	-1	0	-1	-2	211	724	498	68	-123	1	-87	-41	-46	-70	-50	-28
CHAN STOR	1	66			-11	-22	-16	0		38	10		-32	-22	-11	-11	11
EVAPORATION	498							31	97	120	104	47	22	25	53		
REG INFLOW	13013	530	216	278	1180	1348	2337	1620	818	688	647	364	179	252	758	919	878
RELEASE	13177	387	167	214	893	1261	1250	1291	1291	952	790	382	222	301	1230	1353	1194
STOR CHANGE	-164	143	50	64	287	87	1088	329	-473	-264	-142	-18	-43	-50	-472	-433	-316
STORAGE	11407	11550	11600	11664	11951	12038	13126	13455	12981	12717	12575	12557	12514	12465	11993	11559	11244
ELEV FTMSL	1812.2	1812.8	1813.0	1813.3	1814.5	1814.9	1819.4	1820.7	1818.8	1817.7	1817.1	1817.1	1816.9	1816.7	1814.7	1812.8	1811.4
DISCH KCFS	21.0	13.0	12.0	12.0	15.0	20.5	21.0	21.0	21.0	16.0	12.8	12.8	16.0	19.0	20.0	22.0	21.5
POWER																	
AVE POWER MW		138	127	128	160	219	228	233	233	176	141	140	174	206	215	233	225
PEAK POW MW		305	305	306	310	311	324	328	322	319	317	317	317	316	310	305	301
ENERGY GWH	1724.0	49.5	21.4	27.6	115.3	163.1	164.4	173.4	173.1	126.7	104.7	50.5	29.3	39.6	160.3	173.7	151.5
--OAHE--																	
NAT INFLOW	1429	269	125	161	249	136	293	112	29	87	7	-7	-3	-4	-65	-16	56
DEPLETION	613	23	11	14	47	66	129	151	100	25	-8	2	1	1	11	16	26
CHAN STOR	-2	41	5		-15	-28	-3			27	17		-17	-16	-5	-11	3
EVAPORATION	409							26	80	97	84	38	18	21	45		
REG INFLOW	13581	674	286	362	1079	1302	1411	1226	1141	944	738	335	183	260	1103	1310	1227
RELEASE	13749	437	270	353	1230	1483	1365	1702	1686	1375	611	227	122	137	991	773	986
STOR CHANGE	-168	237	16	8	-151	-180	46	-476	-545	-431	127	108	61	123	112	537	241
STORAGE	11962	12199	12216	12224	12073	11893	11939	11463	10918	10486	10613	10721	10782	10905	11017	11554	11795
ELEV FTMSL	1581.2	1582.2	1582.3	1582.4	1581.7	1580.8	1581.1	1578.8	1576.1	1574.0	1574.6	1575.2	1575.5	1576.1	1576.6	1579.2	1580.4
DISCH KCFS	17.8	14.7	19.4	19.8	20.7	24.1	22.9	27.7	27.4	23.1	9.9	7.6	8.8	8.6	16.1	12.6	17.7
POWER																	
AVE POWER MW		164	218	221	231	268	254	304	297	247	106	82	95	93	174	137	196
PEAK POW MW		576	576	576	573	568	569	557	544	532	536	538	540	543	546	560	566
ENERGY GWH	1821.6	59.0	36.5	47.8	166.1	199.0	183.0	226.3	220.8	177.7	78.9	29.5	15.9	17.9	129.5	102.1	131.5
--BIG BEND--																	
EVAPORATION	129							8	24	31	27	12	6	7	14		
REG INFLOW	13620	437	270	353	1230	1483	1365	1694	1661	1344	584	215	117	131	977	773	986
RELEASE	13620	437	270	353	1230	1483	1365	1694	1661	1344	584	215	117	131	977	773	986
STORAGE	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682
ELEV FTMSL	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
DISCH KCFS	17.8	14.7	19.4	19.8	20.7	24.1	22.9	27.6	27.0	22.6	9.5	7.2	8.4	8.2	15.9	12.6	17.7
POWER																	
AVE POWER MW		69	91	93	97	113	107	129	126	107	48	37	43	42	79	62	85
PEAK POW MW		518	510	509	509	509	509	509	509	523	538	538	538	538	538	538	529
ENERGY GWH	785.3	25.0	15.3	20.0	69.7	84.0	77.3	95.9	94.1	77.3	35.8	13.2	7.2	8.0	58.9	46.4	57.2
--FORT RANDALL--																	
NAT INFLOW	489	90	42	54	70	56	195	21	59	-16	-84	-4	-2	-2		-10	20
DEPLETION	80	1	1	1	4	9	12	18	15	7	1	1	0	1	3	3	3
EVAPORATION	140							10	32	39	27	10	5	5	13		
REG INFLOW	13882	525	311	406	1296	1530	1548	1687	1674	1283	465	200	109	123	962	760	1003
RELEASE	13883	265	164	389	1296	1530	1548	1687	1674	1598	1402	200	110	123	689	670	539
STOR CHANGE	0	261	148	17				0	0	-315	-937	0	0	0	273	90	464
STORAGE	3124	3384	3532	3549	3549	3549	3549	3549	3549	3234	2297	2297	2297	2297	2570	2660	3124
ELEV FTMSL	1350.0	1353.2	1355.0	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1351.4	1337.5	1337.5	1337.5	1337.5	1342.1	1343.5	1350.0
DISCH KCFS	9.7	8.9	11.8	21.8	21.8	24.9	26.0	27.4	27.2	26.9	22.8	6.7	7.9	7.7	11.2	10.9	9.7
POWER																	
AVE POWER MW		73	99	183	183	209	218	230	228	222	175	49	57	56	83	83	77
PEAK POW MW		344	351	352	352	352	352	352	352	337	275	276	276	276	297	303	332
ENERGY GWH	1370.0	26.4	16.6	39.6	131.8	155.2	157.0	171.0	169.6	159.5	130.0	17.7	9.7	10.8	61.8	61.8	51.5
--GAVINS POINT--																	
NAT INFLOW	1252	91	42	55	125	137	144	79	79	57	109	47	22	25	70	68	102
DEPLETION	114	0	0	0	5	19	24	39	10	-5	2	5	2	3	10	1	
CHAN STOR	-1	2	-6	-19	0	-6	-2	-3	0	1	8	30	-2	0	-7	1	2
EVAPORATION	47							3	9	11	10	5	2	2	5		
REG INFLOW	14973	358	201	425	1416	1642	1666	1722	1735	1649	1506	268	125	143	737	738	643
RELEASE	14973	358	201	425	1416	1642	1666	1722	1722	1636	1506	268	125	143	737	738	669
STOR CHANGE									13	13							-26
STORAGE	358	358	358	358	358	358	358	358	371	384	384	384	384	384	384	384	358
ELEV FTMSL	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.5	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1206.0
DISCH KCFS	12.0	12.0	14.5	23.8	23.8	26.7	28.0	28.0	28.0	27.5	24.5	9.0	9.0	9.0	12.0	12.0	12.0
POWER																	
AVE POWER MW		42	50	82	82	91	95	95	96	95	86	32	32	32	43	43	43
PEAK POW MW		114	114	114	114	114	114	114	115	115	115	115	115	115	77	77	76
ENERGY GWH	626.7	15.2	8.5	17.7	58.8	67.8	68.7	71.0	71.3	68.6	63.8	11.6	5.4	6.2	31.8	31.8	28.6
--GAVINS POINT - SIOUX CITY--																	
NAT INFLOW	879	58	27	35	123	230	169	76	35	24	22	15	7	8	16	-8	42
DEPLETION	251	6	3	4	21	35	30	37	34	22	10	6	3	3	12	13	13
REGULATED FLOW AT SIOUX CITY																	
KAF	15601	410	225	456	1518	1837	1805	1761	1723	1638	1518	277	129	148	741	717	698
KCFS		13.8	16.2	25.6	25.5	29.9	30.3	28.6	28.0	27.5	24.7	9.3	9.3	9.3	12.0	11.7	12.6
--TOTAL--																	
NAT INFLOW	19303	1125	525	675	2060	2624	4537	2427	958	788	924	441	206	235	475	478	825
DEPLETION	2511	18	8	11	145	646	1423	912	186	-199	-53	-109	-51	-58	-144	-145	-79
CHAN STOR	-9	109	0	-19	-26	-56	-21	-3	0	66	28	30	-52	-37	-23	-21	16
EVAPORATION	1648							103	322	399	342	153	71	82	177		
STORAGE	38024	38831	39122	39310	39681	39766	41054	40703	39431	38446	37591	37741	37746	37772	37450	37335	37557
SYSTEM POWER																	
AVE POWER MW		534	634	755	813	985	1007	1095	1083	906	604	389	486	539	715	690	744
PEAK POW MW		2031	2033	2034	2036	2034	2050	2040	2019	2004	1959	1963	1964	1967	1945	1956	1975
ENERGY GWH	7097.6	192.3	106.4	163.0	585.2	732.5	725.3	814.8	805.6	652.7	449.3	140.0	81.7	103.4	531.9	513.4	499.9
DAILY GWH		12.8	15.2	18.1	19.5	23.6	24.2	26.3	26.0	21.8	14.5	9.3	11.7	12.9	17.2	16.6	17.9

	28FEB02	2002											2003			
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB
--FORT PECK--																	
NAT INFLOW	5435	250	116	150	549	834	1061	468	270	258	341	169	79	90	289	218	293
DEPLETION	444	-4	-2	-2	77	311	543	141	-57	-123	-52	-32	-15	-17	-107	-126	-91
EVAPORATION	454							28	87	109	95	43	20	23	49		
MOD INFLOW	4537	254	118	152	472	523	518	299	240	272	298	158	74	84	347	344	384
RELEASE	5671	119	56	71	298	430	536	553	553	378	299	149	97	143	615	707	666
STOR CHANGE	-1133	135	63	81	174	93	-18	-254	-314	-106	-1	9	-23	-58	-268	-363	-282
STORAGE	11361	11495	11558	11639	11813	11906	11888	11634	11320	11214	11213	11223	11199	11141	10873	10510	10227
ELEV FTMSL	2214.7	2215.5	2215.9	2216.3	2217.3	2217.9	2217.8	2216.3	2214.5	2213.9	2213.9	2213.9	2213.8	2213.4	2211.8	2209.7	2207.9
DISCH KCFS	12.0	4.0	4.0	4.0	5.0	7.0	9.0	9.0	9.0	6.4	4.9	5.0	7.0	9.0	10.0	11.5	12.0
POWER																	
AVE POWER MW		51	51	51	64	89	115	115	114	80	61	63	88	113	125	142	146
PEAK POW MW		190	190	191	192	193	193	191	189	188	188	188	188	187	185	182	180
ENERGY GWH	861.5	18.2	8.5	11.0	45.9	66.6	82.8	85.2	84.6	57.6	45.5	22.6	14.8	21.6	92.7	105.4	98.4
--GARRISON--																	
NAT INFLOW	8026	297	138	178	770	993	2221	1404	397	305	429	177	83	94	119	176	245
DEPLETION	1281	22	10	13	38	135	714	464	77	-81	50	-58	-27	-31	-33	-16	2
CHAN STOR	0	85			-11	-21	-21			28	16	-1	-21	-21	-11	-16	-5
EVAPORATION	526							33	102	127	110	49	23	26	56		
REG INFLOW	11889	478	184	236	1019	1267	2021	1461	771	665	584	332	162	220	700	883	904
RELEASE	13269	446	167	214	893	1261	1250	1291	1291	952	792	383	264	317	1230	1353	1166
STOR CHANGE	-1380	32	17	22	126	7	772	170	-520	-287	-208	-51	-101	-97	-530	-470	-262
STORAGE	13685	13717	13734	13755	13882	13888	14660	14830	14310	14023	13815	13764	13663	13566	13036	12566	12304
ELEV FTMSL	1821.6	1821.7	1821.8	1821.9	1822.4	1822.4	1825.4	1826.0	1824.1	1822.9	1822.1	1821.9	1821.5	1821.2	1819.0	1817.1	1816.0
DISCH KCFS	21.0	15.0	12.0	12.0	15.0	20.5	21.0	21.0	21.0	16.0	12.9	12.9	19.0	20.0	20.0	22.0	21.0
POWER																	
AVE POWER MW		169	136	136	170	231	239	242	241	182	146	146	214	224	222	241	227
PEAK POW MW		331	331	331	333	333	342	343	338	334	332	331	330	329	323	317	314
ENERGY GWH	1807.7	60.9	22.8	29.3	122.1	172.1	172.3	180.2	179.4	131.3	108.8	52.4	35.9	43.0	165.3	179.1	152.8
--OAHE--																	
NAT INFLOW	1184	223	104	134	206	113	242	92	24	72	6	-6	-3	-3	-54	-13	47
DEPLETION	557	22	10	13	45	61	117	134	87	22	-7	2	1	1	11	15	24
CHAN STOR	-1	28	14		-14	-26	-2			25	16		-31	-5	0	-10	5
EVAPORATION	461							30	91	111	95	42	20	23	49		
REG INFLOW	13434	675	274	335	1040	1287	1372	1219	1137	915	726	334	209	286	1115	1315	1194
RELEASE	14850	459	282	368	1250	1500	1417	1708	1702	1544	1053	434	201	186	985	770	991
STOR CHANGE	-1416	216	-8	-34	-210	-213	-45	-488	-565	-629	-327	-100	9	100	130	544	204
STORAGE	14298	14514	14506	14472	14262	14049	14004	13515	12950	12322	11995	11895	11903	12003	12133	12678	12881
ELEV FTMSL	1591.2	1592.1	1592.0	1591.9	1591.0	1590.2	1590.0	1588.0	1585.6	1582.8	1581.3	1580.8	1580.9	1581.3	1582.0	1584.4	1585.3
DISCH KCFS	17.9	15.4	20.3	20.6	21.0	24.4	23.8	27.8	27.7	25.9	17.1	14.6	14.5	11.7	16.0	12.5	17.8
POWER																	
AVE POWER MW		182	240	244	248	286	278	322	317	293	191	162	160	131	179	141	203
PEAK POW MW		626	626	625	621	617	616	606	593	578	571	568	568	571	574	587	591
ENERGY GWH	2063.6	65.7	40.4	52.7	178.4	212.7	200.5	239.7	235.8	210.8	142.3	58.4	27.0	25.1	133.0	105.0	136.2
--BIG BEND--																	
EVAPORATION	129							8	24	31	27	12	6	7	14		
REG INFLOW	14721	459	282	368	1250	1500	1417	1700	1677	1513	1026	422	195	180	971	770	991
RELEASE	14721	459	282	368	1250	1500	1417	1700	1677	1513	1026	422	195	180	971	770	991
STORAGE	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682
ELEV FTMSL	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
DISCH KCFS	17.9	15.4	20.3	20.6	21.0	24.4	23.8	27.6	27.3	25.4	16.7	14.2	14.0	11.3	15.8	12.5	17.8
POWER																	
AVE POWER MW		73	95	97	98	114	112	129	128	121	82	71	71	57	79	62	86
PEAK POW MW		518	510	509	509	509	509	509	509	517	538	538	538	538	538	538	529
ENERGY GWH	849.1	26.3	16.0	20.9	70.8	84.9	80.3	96.3	95.0	86.8	61.0	25.7	11.9	11.0	58.6	46.2	57.5
--FORT RANDALL--																	
NAT INFLOW	366	67	31	40	52	42	146	16	44	-12	-62	-3	-1	-2		-7	15
DEPLETION	80	1	1	1	4	9	12	18	15	7	1	1	0	1	3	3	3
EVAPORATION	147							10	32	39	31	12	5	5	13		
REG INFLOW	14861	524	313	408	1298	1533	1551	1688	1675	1455	932	406	188	172	956	760	1003
RELEASE	14861	265	164	391	1298	1533	1551	1688	1675	1599	1569	710	333	194	683	670	539
STOR CHANGE	0	260	148	17				0	0	-144	-637	-304	-145	-22	273	90	464
STORAGE	3124	3384	3532	3549	3549	3549	3549	3549	3549	3405	2768	2464	2319	2297	2570	2660	3124
ELEV FTMSL	1350.0	1353.2	1355.0	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1353.5	1345.1	1340.4	1337.9	1337.5	1342.1	1343.5	1350.0
DISCH KCFS	9.7	8.9	11.8	21.9	21.8	24.9	26.1	27.5	27.2	26.9	25.5	23.9	24.0	12.2	11.1	10.9	9.7
POWER																	
AVE POWER MW		73	99	184	183	209	219	230	228	224	204	180	175	89	82	83	77
PEAK POW MW		344	351	352	352	352	352	352	352	345	310	288	277	276	297	303	332
ENERGY GWH	1466.8	26.4	16.7	39.7	132.0	155.5	157.3	171.1	169.7	161.0	151.5	64.8	29.4	17.1	61.3	61.8	51.5
--GAVINS POINT--																	
NAT INFLOW	1229	89	42	53	123	134	141	78	78	56	107	46	21	25	69	67	100
DEPLETION	114	0	0	0	5	19	24	39	10	-5	2	5	2	3	10	1	
CHAN STOR	-1	2	-6	-19	0	-6	-2	-3	0	1	3	3	0	22	2	0	2
EVAPORATION	47							3	9	11	10	5	2	2	5		
REG INFLOW	15929	356	200	425	1416	1642	1666	1722	1735	1649	1666	750	350	236	738	737	641
RELEASE	15929	356	200	425	1416	1642	1666	1722	1722	1636	1666	750	350	236	738	737	667
STOR CHANGE									13	13							-26
STORAGE	358	358	358	358	358	358	358	358	371	384	384	384	384	384	384	384	358
ELEV FTMSL	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.5	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1206.0
DISCH KCFS	12.0	12.0	14.4	23.8	23.8	26.7	28.0	28.0	28.0	27.5	27.1	25.2	25.2	14.9	12.0	12.0	12.0
POWER																	
AVE POWER MW		42	50	82	82	91	95	95	96	95	94	88	88	53	43	43	42
PEAK POW MW		114	114	114	114	114	114	114	115	115	115	115	115	115	77	77	76
ENERGY GWH	666.4	15.1	8.5	17.7	58.8	67.8	68.7	71.0	71.3	68.6	70.2	31.7	14.8	10.1	31.9	31.8	28.5
--GAVINS POINT - SIOUX CITY--																	
NAT INFLOW	664	44	21	26	93	173	128	57	26	18	17	12	5	6	12	-6	32
DEPLETION	239	6	3	3	19	34	29	36	33	21	9	5	2	3	11	12	13
REGULATED FLOW AT SIOUX CITY																	
KAF	16354	394	218	448	1490	1781	1765	1743	1715	1633	1674	756	353	239	739	719	686
KCFS		13.2	15.7	25.1	25.0	29.0	29.7	28.3	27.9	27.4	27.2	25.4	25.4	15.1	12.0	11.7	12.4
--TOTAL--																	
NAT INFLOW	16904	969	452	581	1793	2289	3939	2115	839	697	838	395	184	211	435	435	732
DEPLETION	2715	47	22	28	188	569	1439	832	165	-159	3	-77	-36	-41	-105	-111	-49
CHAN STOR	-2	115	8	-19	-24	-53	-26	-3	0	53	34	2	-53	-4	-9	-26	2
EVAPORATION	1763							111	346	428	367	163	75	86	187		
STORAGE	44507	45149	45369	45455	45545	45432	46141	45568	44182	43029	41857	41411	41150	41072	40678	40479	40576
SYSTEM POWER																	
AVE POWER MW		590	672	793	844	1021	1058	1134	1124	995	779	711	796	666	729	711	781
PEAK POW MW		2123	2123	2123	2121	2118	2126	2115	2095	2078	2053	2029	2017	2016	1994	2004	2022
ENERGY GWH	7715.2	212.5	112.8	171.2	608.0	759.7	761.9	843.4	835.9	716.1	579.3	255.8	133.7	127.9	542.6	529.3	524.9
DAILY GWH		14.2	16.1	19.0	20.3	24.5	25.4	27.2	27.0	23.9	18.7	17.1	19.1	16.0	17.5	17.1	18.7

28FEB03		2003										2004			
INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	29FEB
--FORT PECK--																
NAT INFLOW 5615	258	120	155	567	862	1097	483	279	266	352	175	81	93	298	226	303
DEPLETION 365	-6	-3	-3	67	299	488	148	-54	-124	-54	-32	-15	-17	-106	-124	-100
EVAPORATION 434							27	83	104	91	41	19	22	47		
MOD INFLOW 4816	264	123	158	500	563	609	308	250	286	315	165	77	88	357	350	403
RELEASE 5639	119	56	71	298	461	536	553	553	321	270	149	97	143	615	707	690
STOR CHANGE -823	145	67	87	202	102	73	-245	-303	-35	45	16	-20	-55	-258	-357	-287
STORAGE 10227	10372	10439	10526	10729	10830	10904	10659	10356	10320	10366	10382	10361	10306	10048	9691	9404
ELEV FTMSL 2207.9	2208.8	2209.2	2209.8	2211.0	2211.6	2212.0	2210.6	2208.7	2208.5	2208.8	2208.9	2208.7	2208.4	2206.8	2204.6	2202.7
DISCH KCFS 12.0	4.0	4.0	4.0	5.0	7.5	9.0	9.0	9.0	5.4	4.4	5.0	7.0	9.0	10.0	11.5	12.0
POWER																
AVE POWER MW	49	49	49	62	93	112	111	111	66	54	61	86	110	121	138	143
PEAK POW MW	181	182	182	184	185	185	183	181	181	181	181	181	180	178	175	173
ENERGY GWH 833.4	17.6	8.3	10.6	44.5	69.2	80.4	82.9	82.2	47.6	40.0	22.1	14.4	21.1	90.4	102.8	99.2
--GARRISON--																
NAT INFLOW 8444	312	146	187	810	1045	2337	1477	418	320	451	187	87	99	125	185	258
DEPLETION 1044	28	13	17	24	211	694	450	52	-114	15	-77	-36	-41	-82	-64	-46
CHAN STOR 0	87			-11	-27	-16			39	11	-7	-22	-22	-11	-16	-6
EVAPORATION 501							31	98	121	105	47	22	25	53		
REG INFLOW 12537	491	188	242	1073	1268	2162	1549	822	673	612	358	176	237	758	940	989
RELEASE 13537	446	167	214	893	1261	1279	1322	1322	952	863	418	264	317	1230	1353	1237
STOR CHANGE -1000	44	22	28	180	8	883	227	-500	-279	-252	-60	-87	-81	-472	-413	-248
STORAGE 12304	12348	12370	12398	12578	12586	13469	13696	13196	12916	12665	12605	12518	12437	11965	11552	11304
ELEV FTMSL 1816.0	1816.2	1816.3	1816.4	1817.2	1817.2	1820.8	1821.7	1819.7	1818.5	1817.5	1817.3	1816.9	1816.6	1814.6	1812.8	1811.7
DISCH KCFS 21.0	15.0	12.0	12.0	15.0	20.5	21.5	21.5	21.5	16.0	14.0	14.0	19.0	20.0	20.0	22.0	21.5
POWER																
AVE POWER MW	163	130	131	163	223	237	240	240	177	154	154	207	217	215	233	226
PEAK POW MW	315	315	315	317	318	328	331	325	321	318	318	317	316	310	305	302
ENERGY GWH 1784.8	58.5	21.9	28.2	117.6	166.0	170.5	178.9	178.2	127.5	114.9	55.3	34.7	41.7	160.1	173.6	157.1
--OAHE--																
NAT INFLOW 1263	238	111	143	220	120	259	99	25	77	6	-6	-3	-3	-58	-14	50
DEPLETION 570	22	10	13	45	62	120	138	90	23	-7	2	1	1	11	15	25
CHAN STOR -4	30	15		-15	-27	-5			28	10		-27	-5	0	-11	3
EVAPORATION 425							28	85	103	87	39	18	21	45		
REG INFLOW 13801	692	282	344	1053	1291	1413	1255	1172	932	800	371	216	287	1115	1313	1264
RELEASE 14827	452	278	363	1243	1493	1400	1705	1697	1544	1059	434	201	186	985	771	1015
STOR CHANGE -1025	240	4	-20	-190	-201	13	-449	-525	-612	-259	-63	15	101	130	542	250
STORAGE 12881	13121	13125	13105	12915	12713	12726	12277	11752	11140	10881	10818	10833	10934	11064	11606	11856
ELEV FTMSL 1585.3	1586.3	1586.3	1586.2	1585.4	1584.5	1584.6	1582.6	1580.2	1577.3	1576.0	1575.6	1575.7	1576.2	1576.9	1579.5	1580.7
DISCH KCFS 17.8	15.2	20.0	20.4	20.9	24.3	23.5	27.7	27.6	25.9	17.2	14.6	14.5	11.7	16.0	12.5	17.6
POWER																
AVE POWER MW	174	230	233	238	275	266	312	306	283	186	157	155	127	173	137	195
PEAK POW MW	597	597	597	592	588	588	577	565	549	543	541	541	544	548	561	567
ENERGY GWH 1995.1	62.6	38.6	50.4	171.7	204.9	191.8	231.8	227.7	203.9	138.4	56.6	26.1	24.3	128.9	102.0	135.6
--BIG BEND--																
EVAPORATION 129							8	24	31	27	12	6	7	14		
REG INFLOW 14698	452	278	363	1243	1493	1400	1697	1672	1513	1032	422	195	180	971	771	1015
RELEASE 14698	452	278	363	1243	1493	1400	1697	1672	1513	1032	422	195	180	971	771	1015
STORAGE 1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682
ELEV FTMSL 1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
DISCH KCFS 17.8	15.2	20.0	20.4	20.9	24.3	23.5	27.6	27.2	25.4	16.8	14.2	14.0	11.3	15.8	12.5	17.6
POWER																
AVE POWER MW	72	94	95	98	114	110	129	127	121	82	71	71	57	79	62	85
PEAK POW MW	518	510	509	509	509	509	509	509	517	538	538	538	538	538	538	529
ENERGY GWH 847.8	25.9	15.8	20.6	70.4	84.5	79.3	96.1	94.7	86.8	61.3	25.7	11.9	11.0	58.6	46.3	58.9
--FORT RANDALL--																
NAT INFLOW 404	74	35	44	58	47	161	18	48	-13	-69	-4	-2	-2		-8	16
DEPLETION 80	1	1	1	4	9	12	18	15	7	1	1	0	1	3	3	3
EVAPORATION 147							10	32	39	31	12	5	5	13		
REG INFLOW 14875	525	312	407	1297	1531	1549	1687	1674	1454	931	406	188	172	956	760	1028
RELEASE 14875	265	164	390	1297	1531	1549	1687	1674	1598	1568	710	333	194	683	670	564
STOR CHANGE 0	260	148	17				0	0	-144	-637	-304	-145	-22	273	90	464
STORAGE 3124	3384	3532	3549	3549	3549	3549	3549	3549	3405	2768	2464	2319	2297	2570	2660	3124
ELEV FTMSL 1350.0	1353.2	1355.0	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1353.5	1345.1	1340.4	1337.9	1337.5	1342.1	1343.5	1350.0
DISCH KCFS 9.7	8.9	11.8	21.8	21.8	24.9	26.0	27.4	27.2	26.9	25.5	23.9	24.0	12.2	11.1	10.9	9.8
POWER																
AVE POWER MW	73	99	183	183	209	218	230	228	223	204	180	175	89	82	83	77
PEAK POW MW	344	351	352	352	352	352	352	352	345	310	288	277	276	297	303	332
ENERGY GWH 1468.1	26.4	16.6	39.6	131.9	155.3	157.1	171.0	169.6	160.9	151.4	64.8	29.4	17.1	61.3	61.8	53.9
--GAVINS POINT--																
NAT INFLOW 1242	90	42	54	124	136	143	79	79	57	108	47	22	25	69	67	101
DEPLETION 114	0	0	0	5	19	24	39	10	-5	2	5	2	3	10	1	
CHAN STOR -1	2	-6	-19	0	-6	-2	-3	0	1	3	3	0	22	2	0	2
EVAPORATION 47							3	9	11	10	5	2	2	5		
REG INFLOW 15956	357	201	425	1416	1642	1666	1722	1735	1649	1666	750	350	236	738	737	667
RELEASE 15956	357	201	425	1416	1642	1666	1722	1722	1636	1666	750	350	236	738	737	693
STOR CHANGE								13	13							-26
STORAGE 358	358	358	358	358	358	358	358	371	384	384	384	384	384	384	384	358
ELEV FTMSL 1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.5	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1206.0
DISCH KCFS 12.0	12.0	14.4	23.8	23.8	26.7	28.0	28.0	28.0	27.5	27.1	25.2	25.2	14.9	12.0	12.0	12.0
POWER																
AVE POWER MW	42	50	82	82	91	95	95	96	95	94	88	88	53	43	43	43
PEAK POW MW	114	114	114	114	114	114	114	115	115	115	115	115	115	77	77	76
ENERGY GWH 667.6	15.1	8.5	17.7	58.8	67.8	68.7	71.0	71.3	68.6	70.2	31.7	14.8	10.1	31.9	31.8	29.6
--GAVINS POINT - SIOUX CITY--																
NAT INFLOW 730	48	23	29	102	191	141	63	29	20	18	13	6	7	13	-7	35
DEPLETION 241	6	3	3	20	34	29	36	33	22	9	5	2	3	11	12	13
REGULATED FLOW AT SIOUX CITY																
KAF 16445	399	220	451	1498	1799	1778	1749	1718	1634	1675	757	353	240	740	718	715
KCFS	13.4	15.9	25.2	25.2	29.3	29.9	28.4	27.9	27.5	27.2	25.5	25.5	15.1	12.0	11.7	12.4
--TOTAL--																
NAT INFLOW 17698	1020	476	612	1881	2401	4138	2219	878	727	866	411	192	219	447	449	763
DEPLETION 2414	50	23	30	165	634	1367	829	146	-191	-34	-96	-45	-51	-153	-157	-105
CHAN STOR -5	118	9	-19	-25	-60	-23	-3	0	68	24	-4	-48	-5	-9	-27	-1
EVAPORATION 1683							106	330	409	351	156	72	82	178		
STORAGE 40576	41265	41506	41618	41810	41718	42688	42221	40906	39848	38746	38335	38097	38041	37714	37575	37728
SYSTEM POWER																
AVE POWER MW	573	653	774	826	1005	1039	1118	1107	966	775	712	782	652	714	697	768
PEAK POW MW	2069	2069	2069	2069	2065	2076	2066	2046	2029	2005	1982	1970	1969	1947	1959	1978
ENERGY GWH 7596.8	206.1	109.6	167.1	595.0	747.8	747.9	831.6	823.8	695.2	576.3	256.2	131.4	125.2	531.0	518.2	534.2
DAILY GWH	13.7	15.7	18.6	19.8	24.1	24.9	26.8	26.6	23.2	18.6	17.1	18.8	15.7	17.1	16.7	18.4

29FEB04		2004										2005				
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB
--FORT PECK--																	
NAT INFLOW	5748	264	123	158	580	882	1123	495	285	273	361	179	83	95	305	231	310
DEPLETION	378	-11	-5	-7	71	304	495	155	-50	-124	-55	-34	-16	-18	-109	-127	-92
EVAPORATION	417							26	80	100	87	40	18	21	45		
MOD INFLOW	4953	275	128	165	509	578	628	314	255	297	329	172	80	92	369	358	402
RELEASE	5585	119	56	71	298	461	536	553	553	316	265	128	97	143	615	707	666
STOR CHANGE	-631	156	73	94	211	117	92	-239	-298	-18	64	44	-17	-51	-246	-349	-264
STORAGE	9404	9560	9633	9727	9938	10055	10148	9909	9611	9592	9656	9700	9683	9633	9386	9037	8773
ELEV FTMSL	2202.7	2203.7	2204.2	2204.8	2206.1	2206.9	2207.4	2205.9	2204.0	2203.9	2204.3	2204.6	2204.5	2204.2	2202.6	2200.3	2198.5
DISCH KCFS	12.0	4.0	4.0	4.0	5.0	7.5	9.0	9.0	9.0	5.3	4.3	4.3	7.0	9.0	10.0	11.5	12.0
POWER																	
AVE POWER MW		48	48	48	60	91	109	109	108	64	52	52	84	108	119	135	139
PEAK POW MW		174	175	176	177	178	179	177	175	174	175	175	175	175	173	170	167
ENERGY GWH	806.7	17.2	8.1	10.4	43.4	67.5	78.6	81.0	80.3	45.7	38.5	18.6	14.1	20.7	88.4	100.5	93.7
--GARRISON--																	
NAT INFLOW	8762	324	151	194	840	1084	2425	1533	433	332	468	194	90	103	130	192	268
DEPLETION	980	5	2	3	9	211	704	466	57	-117	10	-80	-37	-43	-90	-72	-48
CHAN STOR	0	88			-11	-27	-16			40	11		-29	-22	-11	-17	-6
EVAPORATION	482							30	94	117	101	45	21	24	51		
REG INFLOW	12884	527	205	263	1118	1307	2240	1591	835	688	633	357	174	243	773	954	977
RELEASE	13651	417	167	214	893	1291	1309	1353	1353	942	895	433	264	317	1230	1353	1222
STOR CHANGE	-767	110	38	49	225	15	931	238	-517	-254	-262	-76	-89	-74	-457	-398	-245
STORAGE	11304	11414	11452	11501	11726	11741	12672	12910	12393	12139	11877	11801	11711	11637	11180	10782	10537
ELEV FTMSL	1811.7	1812.2	1812.4	1812.6	1813.6	1813.6	1817.5	1818.5	1816.4	1815.3	1814.2	1813.9	1813.5	1813.2	1811.2	1809.4	1808.2
DISCH KCFS	21.5	14.0	12.0	12.0	15.0	21.0	22.0	22.0	22.0	15.8	14.6	14.6	19.0	20.0	20.0	22.0	22.0
POWER																	
AVE POWER MW		147	127	127	159	223	236	241	240	171	156	155	202	212	210	227	225
PEAK POW MW		303	303	304	307	307	319	321	315	312	309	308	307	306	300	295	291
ENERGY GWH	1756.0	53.1	21.3	27.4	114.6	165.7	170.3	179.0	178.3	123.3	116.3	56.0	33.9	40.7	156.2	169.1	150.9
--OAHE--																	
NAT INFLOW	1323	249	116	149	231	126	271	103	26	81	7	-7	-3	-3	-61	-15	52
DEPLETION	585	22	10	13	46	64	123	143	93	23	-8	2	1	1	11	16	25
CHAN STOR	-4	39	10		-15	-31	-5			33	7		-25	-6	0	-11	0
EVAPORATION	399							26	79	96	82	37	17	20	43		
REG INFLOW	13986	682	283	350	1062	1322	1452	1287	1206	937	835	388	218	288	1115	1311	1249
RELEASE	14771	447	275	360	1238	1490	1387	1704	1693	1546	1065	434	201	186	985	772	989
STOR CHANGE	-785	236	7	-9	-176	-167	65	-417	-487	-609	-230	-46	18	102	130	539	260
STORAGE	11856	12092	12099	12090	11914	11747	11811	11394	10908	10299	10069	10023	10041	10142	10272	10811	11071
ELEV FTMSL	1580.7	1581.8	1581.8	1581.7	1580.9	1580.2	1580.5	1578.5	1576.1	1573.0	1571.8	1571.5	1571.6	1572.2	1572.8	1575.6	1576.9
DISCH KCFS	17.6	15.0	19.8	20.1	20.8	24.2	23.3	27.7	27.5	26.0	17.3	14.6	14.5	11.7	16.0	12.6	17.8
POWER																	
AVE POWER MW		167	221	225	231	268	257	304	298	276	182	153	151	123	169	134	192
PEAK POW MW		573	573	573	569	565	566	556	543	527	521	519	520	523	526	541	548
ENERGY GWH	1936.7	60.1	37.1	48.5	166.5	199.1	185.2	225.9	221.5	198.9	135.5	55.1	25.4	23.7	125.6	99.6	129.0
--BIG BEND--																	
EVAPORATION	129							8	24	31	27	12	6	7	14		
REG INFLOW	14642	447	275	360	1238	1490	1387	1696	1668	1515	1038	422	195	180	971	772	989
RELEASE	14642	447	275	360	1238	1490	1387	1696	1668	1515	1038	422	195	180	971	772	989
STORAGE	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682
ELEV FTMSL	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
DISCH KCFS	17.6	15.0	19.8	20.1	20.8	24.2	23.3	27.6	27.1	25.5	16.9	14.2	14.0	11.3	15.8	12.6	17.8
POWER																	
AVE POWER MW		71	93	94	97	113	109	129	127	121	83	71	71	57	79	62	85
PEAK POW MW		518	510	509	509	509	509	509	509	517	538	538	538	538	538	538	529
ENERGY GWH	844.6	25.6	15.6	20.4	70.1	84.4	78.6	96.0	94.5	86.9	61.7	25.7	11.9	11.0	58.6	46.3	57.4
--FORT RANDALL--																	
NAT INFLOW	433	80	37	48	62	50	174	19	52	-15	-75	-4	-2	-2		-9	17
DEPLETION	80	1	1	1	4	9	12	18	15	7	1	1	0	1	3	3	3
EVAPORATION	147							10	32	39	31	12	5	5	13		
REG INFLOW	14849	525	312	407	1296	1531	1549	1687	1674	1454	931	406	188	172	956	760	1003
RELEASE	14849	265	164	390	1296	1531	1549	1687	1674	1598	1568	710	333	194	683	670	539
STOR CHANGE	0	260	148	17				0	0	-144	-637	-304	-145	-22	273	90	464
STORAGE	3124	3384	3532	3549	3549	3549	3549	3549	3549	3405	2768	2464	2319	2297	2570	2660	3124
ELEV FTMSL	1350.0	1353.2	1355.0	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1353.5	1345.1	1340.4	1337.9	1337.5	1342.1	1343.5	1350.0
DISCH KCFS	9.8	8.9	11.8	21.8	21.8	24.9	26.0	27.4	27.2	26.9	25.5	23.9	24.0	12.2	11.1	10.9	9.7
POWER																	
AVE POWER MW		73	99	183	183	209	218	230	228	223	204	180	175	89	82	83	77
PEAK POW MW		344	351	352	352	352	352	352	352	345	310	288	277	276	297	303	332
ENERGY GWH	1465.6	26.4	16.6	39.6	131.8	155.3	157.1	171.0	169.6	160.9	151.4	64.8	29.4	17.1	61.3	61.8	51.5
--GAVINS POINT--																	
NAT INFLOW	1246	91	42	54	125	136	143	79	79	57	108	47	22	25	70	68	101
DEPLETION	114	0	0	0	5	19	24	39	10	-5	2	5	2	3	10	1	
CHAN STOR	-1	2	-6	-19	0	-6	-2	-3	0	1	3	3	0	22	2	0	2
EVAPORATION	47							3	9	11	10	5	2	2	5		
REG INFLOW	15934	358	201	425	1416	1642	1666	1722	1735	1649	1666	750	350	236	739	738	642
RELEASE	15934	358	201	425	1416	1642	1666	1722	1722	1636	1666	750	350	236	739	738	668
STOR CHANGE									13	13							-26
STORAGE	358	358	358	358	358	358	358	358	371	384	384	384	384	384	384	384	358
ELEV FTMSL	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.5	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1206.0
DISCH KCFS	12.0	12.0	14.5	23.8	23.8	26.7	28.0	28.0	28.0	27.5	27.1	25.2	25.2	14.9	12.0	12.0	12.0
POWER																	
AVE POWER MW		42	50	82	82	91	95	95	96	95	94	88	88	53	43	43	43
PEAK POW MW		114	114	114	114	114	114	114	115	115	115	115	115	115	77	77	76
ENERGY GWH	666.6	15.1	8.5	17.7	58.8	67.8	68.7	71.0	71.3	68.6	70.2	31.7	14.8	10.1	31.9	31.8	28.6
--GAVINS POINT - SIOUX CITY--																	
NAT INFLOW	785	52	24	31	110	205	151	68	31	21	20	14	6	7	14	-7	38
DEPLETION	247	6	3	4	20	34	30	36	34	22	9	6	3	3	12	13	13
REGULATED FLOW AT SIOUX CITY																	
KAF	16472	403	222	452	1506	1813	1787	1754	1719	1635	1677	758	354	240	741	718	693
KCFS		13.5	16.0	25.3	25.3	29.5	30.0	28.5	28.0	27.5	27.3	25.5	25.5	15.1	12.1	11.7	12.5
--TOTAL--																	
NAT INFLOW	18297	1060	494	636	1948	2483	4287	2297	906	749	889	422	197	225	458	460	786
DEPLETION	2384	23	11	14	155	641	1388	857	159	-194	-41	-101	-47	-54	-163	-166	-99
CHAN STOR	-4	129	5	-19	-26	-64	-24	-3	0	74	20	3	-54	-5	-9	-27	-3
EVAPORATION	1621							102	318	394	338	150	69	79	171		
STORAGE	37728	38490	38757	38907	39167	39132	40220	39802	38513	37500	36436	36054	35820	35775	35474	35356	35544
SYSTEM POWER																	
AVE POWER MW		549	638	759	813	994	1026	1107	1096	950	771	700	771	641	702	684	760
PEAK POW MW		2026	2027	2028	2028	2025	2039	2030	2009	1991	1967	1944	1933	1932	1911	1923	1942
ENERGY GWH	7476.2	197.5	107.2	164.0	585.2	739.9	738.5	823.9	815.5	684.3	573.6	251.9	129.6	123.2	522.0	509.2	511.0
DAILY GWH		13.2	15.3	18.2	19.5	23.9	24.6	26.6	26.3	22.8	18.5	16.8	18.5	15.4	16.8	16.4	18.3

INI-SUM 15MAR 22MAR 31MAR 30APR 31MAY 30JUN 31JUL 31AUG 30SEP 31OCT 15NOV 22NOV 30NOV 31DEC 31JAN 28FEB

	28FEB05	2005										2006				
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB
--FORT PECK--																	
NAT INFLOW	5919	272	127	163	598	909	1156	509	294	281	371	184	86	98	314	238	319
DEPLETION	388	-11	-5	-7	70	305	500	162	-46	-125	-57	-34	-16	-18	-110	-128	-92
EVAPORATION	404							25	77	96	85	39	18	21	44		
MOD INFLOW	5127	283	132	170	528	604	656	322	263	310	343	179	84	96	380	366	411
RELEASE	5383	119	56	71	298	461	536	553	553	289	243	117	97	143	615	676	555
STOR CHANGE	-256	164	77	98	230	143	120	-231	-290	21	101	62	-13	-47	-235	-310	-144
STORAGE	8773	8937	9013	9112	9342	9485	9606	9374	9084	9105	9205	9267	9254	9207	8972	8661	8517
ELEV FTMSL	2198.5	2199.6	2200.1	2200.8	2202.3	2203.2	2204.0	2202.5	2200.6	2200.7	2201.4	2201.8	2201.7	2201.4	2199.9	2197.8	2196.8
DISCH KCFS	12.0	4.0	4.0	4.0	5.0	7.5	9.0	9.0	9.0	4.9	3.9	3.9	7.0	9.0	10.0	11.0	10.0
POWER																	
AVE POWER MW		47	47	47	59	89	107	107	106	57	47	47	83	106	117	127	115
PEAK POW MW		169	169	170	172	174	175	173	170	170	171	172	172	171	169	166	164
ENERGY GWH	765.2	16.8	7.9	10.2	42.6	66.2	77.2	79.6	78.9	41.2	34.7	16.8	13.9	20.4	87.1	94.8	77.1
--GARRISON--																	
NAT INFLOW	9185	340	158	204	881	1136	2542	1607	454	349	491	203	95	108	136	201	281
DEPLETION	965	2	1	1	3	211	714	482	63	-120	6	-84	-39	-45	-98	-79	-54
CHAN STOR	23	90			-11	-28	-17			45	10	0	-34	-22	-11	-11	11
EVAPORATION	472							29	92	114	99	44	21	23	50		
REG INFLOW	13153	547	213	274	1164	1358	2347	1649	852	689	639	359	176	250	788	945	902
RELEASE	13468	387	167	214	893	1291	1309	1353	1353	952	803	389	264	317	1230	1353	1194
STOR CHANGE	-315	160	46	60	272	67	1038	296	-501	-263	-164	-30	-87	-67	-442	-408	-292
STORAGE	10537	10697	10743	10803	11075	11142	12180	12476	11975	11713	11548	11519	11431	11364	10922	10515	10222
ELEV FTMSL	1808.2	1809.0	1809.2	1809.5	1810.7	1811.0	1815.5	1816.7	1814.6	1813.5	1812.8	1812.7	1812.3	1812.0	1810.0	1808.1	1806.7
DISCH KCFS	22.0	13.0	12.0	12.0	15.0	21.0	22.0	22.0	22.0	16.0	13.1	13.1	19.0	20.0	20.0	22.0	21.5
POWER																	
AVE POWER MW		133	124	124	156	218	233	237	237	171	139	138	200	210	208	225	217
PEAK POW MW		294	294	295	299	299	313	316	310	307	305	304	303	302	297	291	287
ENERGY GWH	1708.2	48.0	20.8	26.8	112.0	162.3	167.4	176.6	176.1	123.0	103.3	49.8	33.6	40.3	154.8	167.5	145.9
--OAHE--																	
NAT INFLOW	1408	265	123	159	245	134	288	110	28	86	7	-7	-3	-3	-64	-16	56
DEPLETION	597	22	10	13	46	65	126	147	96	24	-8	2	1	1	11	16	25
CHAN STOR	2	48	5		-16	-32	-5			33	16		-34	-6	0	-11	3
EVAPORATION	383							25	75	92	78	35	16	19	42		
REG INFLOW	13898	677	285	360	1076	1328	1466	1291	1209	955	756	346	210	288	1113	1310	1228
RELEASE	14221	439	271	355	1232	1484	1369	1702	1688	1375	974	341	100	140	991	773	987
STOR CHANGE	-324	238	14	5	-156	-155	96	-411	-479	-420	-218	5	110	148	121	536	241
STORAGE	11071	11309	11323	11327	11171	11016	11112	10702	10223	9803	9585	9590	9700	9848	9970	10506	10747
ELEV FTMSL	1576.9	1578.1	1578.1	1578.2	1577.4	1576.6	1577.1	1575.1	1572.6	1570.3	1569.1	1569.2	1569.8	1570.6	1571.3	1574.1	1575.3
DISCH KCFS	17.8	14.8	19.5	19.9	20.7	24.1	23.0	27.7	27.4	23.1	15.8	11.5	7.2	8.8	16.1	12.6	17.8
POWER																	
AVE POWER MW		161	213	217	225	261	249	297	290	241	164	118	74	92	168	133	190
PEAK POW MW		554	554	554	550	546	549	538	525	513	507	507	510	515	518	533	539
ENERGY GWH	1832.1	57.8	35.8	46.8	162.1	194.0	179.0	220.9	216.0	173.7	122.0	42.6	12.5	17.7	125.1	98.8	127.4
--BIG BEND--																	
EVAPORATION	129							8	24	31	27	12	6	7	14		
REG INFLOW	14093	439	271	355	1232	1484	1369	1694	1663	1344	947	329	94	134	977	773	987
RELEASE	14093	439	271	355	1232	1484	1369	1694	1663	1344	947	329	94	134	977	773	987
STORAGE	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682
ELEV FTMSL	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
DISCH KCFS	17.8	14.8	19.5	19.9	20.7	24.1	23.0	27.6	27.1	22.6	15.4	11.0	6.8	8.4	15.9	12.6	17.8
POWER																	
AVE POWER MW		70	92	93	97	113	108	129	127	107	77	56	34	43	79	62	85
PEAK POW MW		518	510	509	509	509	509	509	509	523	538	538	538	538	538	538	529
ENERGY GWH	813.6	25.1	15.4	20.1	69.8	84.0	77.6	95.9	94.2	77.3	57.5	20.1	5.8	8.2	58.9	46.4	57.3
--FORT RANDALL--																	
NAT INFLOW	476	88	41	53	68	55	191	21	57	-16	-82	-4	-2	-2		-10	19
DEPLETION	80	1	1	1	4	9	12	18	15	7	1	1	0	1	3	3	3
EVAPORATION	142							10	32	39	29	11	5	5	13		
REG INFLOW	14346	525	311	406	1296	1530	1548	1687	1674	1283	836	313	87	126	962	760	1003
RELEASE	14347	265	164	389	1296	1530	1548	1687	1674	1598	1567	519	87	126	689	670	539
STOR CHANGE	0	260	148	17	0	0		0	0	-315	-731	-206	0	0	273	90	464
STORAGE	3124	3384	3532	3549	3549	3549	3549	3549	3549	3234	2503	2297	2297	2296	2569	2659	3123
ELEV FTMSL	1350.0	1353.2	1355.0	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1351.4	1341.0	1337.5	1337.5	1337.5	1342.1	1343.5	1350.0
DISCH KCFS	9.7	8.9	11.8	21.8	21.8	24.9	26.0	27.4	27.2	26.9	25.5	17.4	6.3	7.9	11.2	10.9	9.7
POWER																	
AVE POWER MW		73	99	183	183	209	218	230	228	221	198	128	46	58	83	83	77
PEAK POW MW		344	351	352	352	352	352	352	352	337	291	276	276	276	297	303	332
ENERGY GWH	1414.1	26.4	16.6	39.6	131.8	155.2	157.0	171.0	169.6	159.5	147.4	46.1	7.7	11.1	61.8	61.8	51.5
--GAVINS POINT--																	
NAT INFLOW	1252	91	42	55	125	137	144	79	79	57	109	47	22	25	70	68	102
DEPLETION	114	0	0	0	5	19	24	39	10	-5	2	5	2	3	10	1	
CHAN STOR	-1	2	-6	-19	0	-6	-2	-3	0	1	3	15	21	-3	-6	1	2
EVAPORATION	47							3	9	11	10	5	2	2	5		
REG INFLOW	15437	358	201	425	1416	1642	1666	1722	1735	1649	1666	571	126	143	737	738	643
RELEASE	15437	358	201	425	1416	1642	1666	1722	1722	1636	1666	571	126	143	737	738	669
STOR CHANGE									13	13							-26
STORAGE	358	358	358	358	358	358	358	358	371	384	384	384	384	384	384	384	358
ELEV FTMSL	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.5	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1206.0
DISCH KCFS	12.0	12.0	14.5	23.8	23.8	26.7	28.0	28.0	28.0	27.5	27.1	19.2	9.0	9.0	12.0	12.0	12.0
POWER																	
AVE POWER MW		42	50	82	82	91	95	95	96	95	94	68	32	32	43	43	43
PEAK POW MW		114	114	114	114	114	114	114	115	115	115	115	115	115	77	77	76
ENERGY GWH	646.0	15.2	8.5	17.7	58.8	67.8	68.7	71.0	71.3	68.6	70.2	24.4	5.4	6.2	31.8	31.8	28.6
--GAVINS POINT - SIOUX CITY--																	
NAT INFLOW	862	57	27	34	121	225	166	74	34	23	22	15	7	8	16	-8	41
DEPLETION	248	6	3	4	20	34	30	37	34	22	9	6	3	3	12	13	13
REGULATED FLOW AT SIOUX CITY																	
KAF	16051	409	225	456	1517	1833	1802	1759	1722	1637	1679	581	130	148	741	717	697
KCFS		13.7	16.2	25.5	25.5	29.8	30.3	28.6	28.0	27.5	27.3	19.5	9.4	9.3	12.1	11.7	12.5
--TOTAL--																	
NAT INFLOW	19102	1112	519	667	2038	2596	4487	2400	946	780	918	438	204	234	472	473	818
DEPLETION	2392	20	9	12	148	643	1406	885	172	-197	-47	-105	-49	-56	-172	-174	-105
CHAN STOR	24	139	0	-19	-27	-65	-24	-3	0	79	29	15	-46	-31	-17	-22	16
EVAPORATION	1577							99	309	383	327	145	68	77	168		
STORAGE	35544	36367	36651	36831	37177	37232	38487	38141	36885	35920	34907	34738	34748	34781	34499	34407	34650
SYSTEM POWER																	
AVE POWER MW		526	625	746	801	981	1010	1095	1084	893	719	555	470	541	698	673	726
PEAK POW MW		1992	1993	1995	1996	1994	2011	2002	1981	1965	1927	1912	1914	1917	1895	1908	1927
ENERGY GWH	7179.0	189.3	104.9	161.1	577.1	729.7	726.9	815.0	806.1	643.1	535.0	199.8	78.9	103.8	519.6	501.0	487.8
DAILY GWH		12.6	15.0	17.9	19.2	23.5	24.2	26.3	26.0	21.4	17.3	13.3	11.3	13.0	16.8	16.2	17.4

TIME OF STUDY 10:42:20 NAVIGATION SEASON SHORTENED AT 40 MAF ON JULY 1 STUDY NO 34
VALUES IN 1000 AF EXCEPT AS INDICATED

	28FEB06			2006									2007			
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB
--FORT PECK--																	
NAT INFLOW	5961	274	128	164	602	915	1164	513	296	283	374	185	86	99	317	240	321
DEPLETION	400	-11	-5	-7	70	306	504	169	-41	-125	-59	-35	-16	-19	-110	-128	-93
EVAPORATION	397							24	76	95	83	38	18	20	43		
MOD INFLOW	5164	285	133	171	532	609	660	320	261	313	350	182	85	97	384	368	414
RELEASE	5403	119	56	71	298	461	536	553	553	298	250	121	97	143	615	676	555
STOR CHANGE	-239	166	77	100	234	148	124	-234	-292	15	100	61	-12	-46	-231	-308	-141
STORAGE	8517	8683	8761	8860	9095	9242	9367	9133	8841	8856	8956	9017	9005	8959	8728	8419	8278
ELEV FTMSL	2196.8	2197.9	2198.4	2199.1	2200.7	2201.6	2202.5	2200.9	2199.0	2199.1	2199.7	2200.2	2200.1	2199.8	2198.2	2196.1	2195.1
DISCH KCFS	10.0	4.0	4.0	4.0	5.0	7.5	9.0	9.0	9.0	5.0	4.1	4.1	7.0	9.0	10.0	11.0	10.0
POWER																	
AVE POWER MW		46	47	47	59	88	106	106	105	58	48	48	82	105	116	126	113
PEAK POW MW		166	167	168	170	171	173	170	168	168	169	169	169	169	167	163	162
ENERGY GWH	760.9	16.6	7.8	10.1	42.2	65.7	76.5	78.9	78.2	42.1	35.4	17.2	13.8	20.2	86.4	93.7	76.1
--GARRISON--																	
NAT INFLOW	9293	344	160	206	891	1150	2572	1626	460	353	496	205	96	109	137	204	284
DEPLETION	1053	-1	0	-1	-2	211	724	498	68	-123	1	-87	-41	-46	-70	-50	-28
CHAN STOR	0	68			-11	-28	-17			44	10		-32	-22	-11	-11	11
EVAPORATION	465							29	91	112	97	44	20	23	49		
REG INFLOW	13178	531	216	278	1179	1372	2367	1653	855	705	658	369	181	253	761	919	879
RELEASE	13469	387	167	214	893	1291	1309	1353	1353	952	804	389	264	317	1230	1353	1194
STOR CHANGE	-291	144	50	64	287	81	1058	300	-498	-247	-145	-20	-83	-64	-468	-434	-315
STORAGE	10222	10367	10416	10480	10767	10848	11905	12205	11707	11460	11315	11295	11212	11148	10680	10246	9931
ELEV FTMSL	1806.7	1807.4	1807.7	1808.0	1809.3	1809.7	1814.3	1815.6	1813.5	1812.4	1811.8	1811.7	1811.3	1811.0	1808.9	1806.9	1805.3
DISCH KCFS	21.5	13.0	12.0	12.0	15.0	21.0	22.0	22.0	22.0	16.0	13.1	13.1	19.0	20.0	20.0	22.0	21.5
POWER																	
AVE POWER MW		132	122	122	154	216	230	235	235	169	138	138	199	208	206	223	215
PEAK POW MW		289	290	291	294	296	309	313	307	304	302	301	300	300	293	287	283
ENERGY GWH	1692.5	47.4	20.5	26.5	110.7	160.5	165.9	175.2	174.6	122.0	102.6	49.5	33.4	40.0	153.6	165.8	144.3
--OAHE--																	
NAT INFLOW	1429	269	125	161	249	136	293	112	29	87	7	-7	-3	-4	-65	-16	56
DEPLETION	613	23	11	14	47	66	129	151	100	25	-8	2	1	1	11	16	26
CHAN STOR	-1	46	5		-16	-32	-5			33	17		-34	-6	0	-11	3
EVAPORATION	374							24	74	90	76	34	16	19	41		
REG INFLOW	13911	678	287	362	1079	1329	1468	1290	1208	958	759	346	210	289	1113	1309	1227
RELEASE	14209	437	270	353	1230	1483	1365	1702	1686	1375	976	341	100	140	991	773	986
STOR CHANGE	-298	241	17	8	-151	-154	102	-412	-478	-417	-217	6	110	148	122	536	241
STORAGE	10747	10988	11005	11013	10862	10708	10811	10399	9921	9503	9286	9292	9402	9550	9672	10208	10449
ELEV FTMSL	1575.3	1576.5	1576.6	1576.6	1575.9	1575.1	1575.6	1573.5	1571.0	1568.7	1567.5	1567.5	1568.1	1568.9	1569.6	1572.5	1573.8
DISCH KCFS	17.8	14.7	19.5	19.8	20.7	24.1	22.9	27.7	27.4	23.1	15.9	11.5	7.2	8.8	16.1	12.6	17.7
POWER																	
AVE POWER MW		158	210	214	223	258	246	294	287	239	163	117	74	91	166	131	188
PEAK POW MW		546	546	546	542	538	541	530	517	505	499	499	502	506	510	525	531
ENERGY GWH	1812.1	56.9	35.3	46.2	160.3	192.0	176.8	218.8	213.6	171.8	120.9	42.1	12.4	17.5	123.7	97.7	126.1
--BIG BEND--																	
EVAPORATION	129							8	24	31	27	12	6	7	14		
REG INFLOW	14080	437	270	353	1230	1483	1365	1694	1661	1344	949	329	94	134	977	773	986
RELEASE	14080	437	270	353	1230	1483	1365	1694	1661	1344	949	329	94	134	977	773	986
STORAGE	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682	1682
ELEV FTMSL	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
DISCH KCFS	17.8	14.7	19.5	19.8	20.7	24.1	22.9	27.6	27.0	22.6	15.4	11.0	6.8	8.4	15.9	12.6	17.7
POWER																	
AVE POWER MW		70	91	93	97	113	107	129	126	107	77	56	34	43	79	62	85
PEAK POW MW		518	510	509	509	509	509	509	509	523	538	538	538	538	538	538	529
ENERGY GWH	812.9	25.0	15.3	20.0	69.7	84.0	77.3	95.9	94.1	77.3	57.6	20.1	5.8	8.2	58.9	46.4	57.2
--FORT RANDALL--																	
NAT INFLOW	489	90	42	54	70	56	195	21	59	-16	-84	-4	-2	-2		-10	20
DEPLETION	80	1	1	1	4	9	12	18	15	7	1	1	0	1	3	3	3
EVAPORATION	142							10	32	39	29	11	5	5	13		
REG INFLOW	14347	526	311	406	1296	1530	1548	1687	1674	1283	836	313	87	126	962	760	1003
RELEASE	14347	265	164	389	1296	1530	1548	1687	1674	1598	1567	519	87	126	689	670	539
STOR CHANGE	0	261	148	17				0	0	-315	-731	-206	0	0	273	90	464
STORAGE	3123	3384	3532	3549	3549	3549	3549	3549	3549	3234	2503	2297	2297	2296	2569	2659	3123
ELEV FTMSL	1350.0	1353.2	1355.0	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1351.4	1341.0	1337.5	1337.5	1337.5	1342.1	1343.5	1350.0
DISCH KCFS	9.7	8.9	11.8	21.8	21.8	24.9	26.0	27.4	27.2	26.9	25.5	17.4	6.3	7.9	11.2	10.9	9.7
POWER																	
AVE POWER MW		73	99	183	183	209	218	230	228	222	198	128	46	58	83	83	77
PEAK POW MW		344	351	352	352	352	352	352	352	337	291	276	276	276	297	303	332
ENERGY GWH	1414.1	26.4	16.6	39.6	131.8	155.2	157.0	171.0	169.6	159.5	147.4	46.1	7.7	11.1	61.8	61.8	51.5
--GAVINS POINT--																	
NAT INFLOW	1252	91	42	55	125	137	144	79	79	57	109	47	22	25	70	68	102
DEPLETION	114	0	0	0	5	19	24	39	10	-5	2	5	2	3	10	1	
CHAN STOR	-1	2	-6	-19	0	-6	-2	-3	0	1	3	15	21	-3	-6	1	2
EVAPORATION	47							3	9	11	10	5	2	2	5		
REG INFLOW	15437	358	201	425	1416	1642	1666	1722	1735	1649	1666	571	126	143	737	738	643
RELEASE	15437	358	201	425	1416	1642	1666	1722	1722	1636	1666	571	126	143	737	738	669
STOR CHANGE									13	13							-26
STORAGE	358	358	358	358	358	358	358	358	371	384	384	384	384	384	384	384	358
ELEV FTMSL	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.5	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1206.0
DISCH KCFS	12.0	12.0	14.5	23.8	23.8	26.7	28.0	28.0	28.0	27.5	27.1	19.2	9.0	9.0	12.0	12.0	12.0
POWER																	
AVE POWER MW		42	50	82	82	91	95	95	96	95	94	68	32	32	43	43	43
PEAK POW MW		114	114	114	114	114	114	114	115	115	115	115	115	115	77	77	76
ENERGY GWH	646.0	15.2	8.5	17.7	58.8	67.8	68.7	71.0	71.3	68.6	70.2	24.4	5.4	6.2	31.8	31.8	28.6
--GAVINS POINT - SIOUX CITY--																	
NAT INFLOW	879	58	27	35	123	230	169	76	35	24	22	15	7	8	16	-8	42
DEPLETION	251	6	3	4	21	35	30	37	34	22	10	6	3	3	12	13	13
REGULATED FLOW AT SIOUX CITY																	
KAF	16065	410	225	456	1518	1837	1805	1761	1723	1638	1678	581	130	148	741	717	698
KCFS		13.8	16.2	25.6	25.5	29.9	30.3	28.6	28.0	27.5	27.3	19.5	9.4	9.3	12.1	11.7	12.6
--TOTAL--																	
NAT INFLOW	19303	1125	525	675	2060	2624	4537	2427	958	788	924	441	206	235	475	478	825
DEPLETION	2511	18	8	11	145	646	1423	912	186	-199	-53	-109	-51	-58	-144	-145	-79
CHAN STOR	-1	115	0	-19	-27	-66	-24	-3	0	78	30	15	-45	-31	-17	-22	16
EVAPORATION	1554							98	305	378	322	143	67	76	166		
STORAGE	34650	35462	35754	35942	36312	36387	37672	37326	36071	35120	34125	33966	33981	34020	33715	33599	33821
SYSTEM POWER																	
AVE POWER MW		521	619	740	797	975	1003	1090	1077	890	718	554	467	537	694	668	720
PEAK POW MW		1977	1978	1980	1982	1980	1998	1988	1967	1951	1913	1898	1901	1903	1881	1893	1913
ENERGY GWH	7138.3	187.6	104.0	159.9	573.5	725.3	722.3	810.8	801.5	641.2	534.1	199.4	78.4	103.1	516.2	497.3	483.8
DAILY GWH		12.5	14.9	17.8	19.1	23.4	24.1	26.2	25.9	21.4	17.2	13.3	11.2	12.9	16.7	16.0	17.3
	INI-SUM	15MAR	22MAR	31MAR	30APR	31MAY	30JUN	31JUL	31AUG	30SEP	31OCT	15NOV	22NOV	30NOV	31DEC	31JAN	28FEB