

# Annual Operating Plan

Niobrara, Lower Platte and Kansas River Basins



Calendar Years 1995 - 1996

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

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Name of Reservoir	Historical Operation	1995 Actual Operation	1996 Operation Plan
Box Butte Reservoir	1A	1B	1C
Merritt Reservoir	2A	2B	2C
Sherman Reservoir	3A	3B	3C
Calamus Reservoir	4A	4B	4C
Davis Creek Reservoir	5A	5B	5C
Bonny Reservoir	6A	6B	6C
Enders Reservoir	7A	7B	7C
Swanson Lake	8A	8B	8C
Hugh Butler Lake	9A	9B	9C
Harry Strunk Lake	10A	10B	10C
Keith Sebelius Lake	11A	11B	11C
Harlan County Lake	12A	12B	12C
Lovewell Reservoir	13A	13B	13C
Kirwin Reservoir	14A	14B	14C
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#### General

This year is the 43rd consecutive year that an Annual Operating Plan (AOP) has been prepared for the Federally owned dams and reservoirs serving an irrigation function in the Niobrara, Lower Platte, and Kansas River Basins. The plan has been developed by the Water Control Field Branch, McCook, Nebraska for the 17 dams and reservoirs that are located in Colorado, Nebraska, and Kansas. These reservoirs, together with 11 diversion dams, 11 pumping plants, and 23 canal systems, serve approximately 325,600 acres of project lands in Nebraska and Kansas. In addition to irrigation and municipal water, these features serve flood control, recreation, and fish and wildlife purposes. A map in the appendix of this report shows the location of these features.

The reservoirs in the Niobrara and Lower Platte River Basins are operated by either irrigation or reclamation districts, and the reservoirs in the Kansas River Basin are operated by either the Bureau of Reclamation (Reclamation), or the Corps of Engineers. Virginia Smith and Davis Creek Dams are operated and maintained by the Twin Loups Reclamation District under an agreement with Reclamation. Kirwin Irrigation District provides operational and maintenance assistance for Kirwin Dam. The diversion dams, pumping plants, and canal systems are operated by either irrigation or reclamation districts.

A Programmable Master-Station Supervisory Control System (PMSC) located at McCook is used to assist in operational management of all 11 dams under Reclamation's jurisdiction that are located in the Kansas River Basin. The PMSC was replaced in 1994 with final acceptance in 1995.

The Headlines 95 that follows this synopsis is indicative of the awareness that the local people have of the natural resource development and conservation in the Niobrara, Lower Platte, and Kansas River Basins

# 1995 Summary

#### Climatic Conditions

Precipitation over the operating area during 1995 ranged from 79 percent of normal at Red Willow Dam to 142 percent of normal at Virginia Smith Dam. The month of January fared extremely well with most dams reporting well above normal precipitation amounts. Precipitation during February however totaled only .15 inches or less at 10 of the 12 dams in the Kansas River Basin. Except for the first week in March, temperatures were well above normal during most of February and March. Southwest Nebraska dams generally received above normal precipitation amounts during March and April while dams in northcentral Kansas were well below normal during this period. The month of May was unseasonably cool and extremely wet throughout the Nebraska-Kansas Projects. Nine dams received record rainfall amounts for the month with five dams reporting measurable rainfall on 21 or more days. Several reservoirs experienced record high computed inflows as a result of the rainfall. Precipitation during June, July and August was well below normal resulting in high irrigation demands on the reservoirs. Temperatures in July

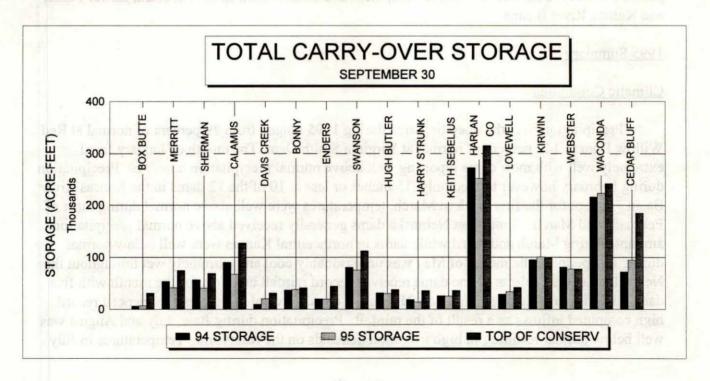
and August were well above normal with several days exceeding the 100 degree mark during both months. September precipitation was above normal at most of the project dams. The area experienced an early freeze on September 21st. November and December precipitation amounts were well below normal for most of the dam sites in the projects. Precipitation averaged 106 percent of normal in 1995 at Kansas River Basin Dams.

#### Storage Reservoirs

1. Conservation Operations. The 1995 inflow was above the dry-year forecast at all of the project reservoirs. Hugh Butler Lake, Harry Strunk Lake and Enders Reservoir had inflows between the dry- and normal-year forecasts. Swanson, Keith Sebelius and Harlan County Lakes along with Box Butte, Merritt, Bonny, Lovewell, and Cedar Bluff Reservoirs had inflows between the normal- and wet-year forecasts. Waconda Lake and Webster, Kirwin, and Calamus Reservoirs had inflows above the wet-year forecasts.

Due to the flooding that took place during 1993, and the generous precipitation amounts recorded in July of 1994, 8 of the 12 reservoirs in the Kansas River Basin began 1995 with above normal storage. At the end of May, just prior to the irrigation season, only Enders and Cedar Bluff Reservoirs and Keith Sebelius Lake did not have some flood pool storage occupied. Reservoir releases were being made from several of the project dams to either reduce or maintain reservoir levels. This is a rare occurrence when nine of the twelve facilities which have flood control capability are utilized. High irrigation demands due to very dry conditions during the summer reduced storage significantly at most project reservoirs. None of the project reservoirs had flood pool storage occupied at the end of the irrigation season.

The following summarized graph shows a comparison of 1994 and 1995 carry-over storage conditions as compared to the top of conservation storage for all reservoirs in the Niobrara, Lower Platte, and Kansas River Basins as of September 30th.



2. Flood Control Operations. The total 1995 flood control benefits accrued by the operation of the Nebraska-Kansas Projects facilities was \$261,828,700. The accumulative total of flood control benefits for the years 1951 through 1995 by facilities in this report total \$1,669,631,000 (see table 5). To date no benefits have been accrued by the operation of Box Butte, Merritt, Sherman, Calamus, or Davis Creek Reservoirs.

A summary of precipitation, reservoir storage and inflows at Nebraska-Kansas Projects facilities can be found in table 7.

#### Water Service

There were 561,884 AF of water diverted to irrigate approximately 295,800 acres of project lands in the 14 irrigation districts (see tables 3 and 6). The project water supply was either inadequate or limited for 32,752 acres of the total project lands. This includes lands in Mirage Flats, Frenchman Valley and H&RW Irrigation Districts. The project water supplies for the other units mentioned in this report were adequate in 1995.

The water requirements of three municipalities, one rural water district, and two fish hatchery facilities were furnished from storage releases or natural flows.

Under a long-term contract with Reclamation for the use of Arcadia Diversion Dam, the Middle Loup Public Power and Irrigation District diverted 36,278 AF to irrigate 14,302 acres of non-project lands. This use of Arcadia Diversion Dam is provided as a replacement for MLPP&ID's diversion dam which was destroyed when Arcadia Division Dam was built by Reclamation. These diversions were made under natural-flow water rights granted by the state of Nebraska.

# **Irrigation Production**

The 1995 crop yields from lands receiving project water were generally lower than those in 1994. Corn, the principal crop of all reporting districts, decreased from an average of 146 bushels per acre to approximately 133 bushels per acre. The Natural Resources Conservation Service in McCook, Nebraska estimated an average corn yield of 135 bushels per acre and the Middle Republican Natural Resource District estimated 131 bushels per acre. The decrease in crop yields can be attributed to several factors. Irrigation releases began later than normal due to a wet May and cool June. Corn development was about 10 days behind normal because of the late planting. Crops withstood a hot summer with several days exceeding the 100 degree mark during both July and August. An early freeze was experienced over most of the projects on September 21st bringing an early end to the growing season. Lower yields resulted in a higher unit price for corn in 1995 than in 1994.

#### Fish and Wildlife and Recreation Benefits

The National Recreational Fisheries Policy declares that the Governments vested stewardship responsibilities must work in concert with the state managing agencies recreational fisheries constituency and the general public to conserve, restore, and enhance recreational

fisheries and their habitats. As a result of this policy, Reclamation has developed fishery management guidelines for reservoirs within the Nebraska-Kansas Projects. These guidelines outline a program which considers public use, fisheries, fish habitat, and improved communication and coordination. The Nebraska-Kansas Area Office conducts yearly meetings with Nebraska, Colorado, and Kansas state management agencies to discuss the Annual Operating Plans (AOP). Information is solicited that will allow Reclamation the flexibility to enhance fisheries resources while still meeting contractual obligations with the various irrigation districts.

During the early part of the 1995 season, normal reservoir operations were favorable for recreation and fish and wildlife uses. The flooding that occurred in 1993 and to a lesser extent in 1995, resulted in several reservoirs storing water well into the flood control pools. Recreation areas, including boat ramps, bathrooms, picnic areas, and trails were inundated by the high water levels at these reservoirs. Kirwin and Webster Reservoirs and Waconda Lake were the most severely affected reservoirs due to the time required in evacuating reservoir storage to normal conditions. Extensive renovations to these upstream recreational areas damaged by the 1993 and 1995 flooding continues.

Re-authorization of the North Loup Project by the Act of October 18, 1986 [Public Law 99-591, Section 101(e)] authorized the construction of a fish hatchery below Virginia Smith Dam and Calamus Reservoir. The hatchery was constructed under Public Law 89-72 and a cost-sharing agreement with the Nebraska Game and Parks Commission with 75 percent federal and 25 percent state funds. Administration of construction was accomplished by the Commission; construction began in July 1989, and was completed in September 1991. The hatchery consists of an office/visitor center, laboratory, 2 residences, a shop and feed storage building, 51 rearing ponds lined with VLDPE and covering 45.5 acres, 24 concrete raceways, 2 lined effluent ponds, 8 groundwater wells, a 36-inch diameter buried pipeline from Calamus Dam, a groundwater degassing tank, and a computerized monitoring and alarm system. The hatchery is operated and maintained by the Commission and in full operation should produce about 53 million fish per year. Water supply is provided by natural flows passed through Virginia Smith Dam and from Calamus Reservoir storage through an agreement dated July 28, 1988, between the Commission and the Twin Loups Reclamation District.

#### 1996 Outlook

Three detailed studies have been developed for each of the reservoirs in the Niobrara, Lower Platte, and Kansas River Basins conforming with established operating criteria under various reservoir inflow conditions. These operation studies are included in table 4, sheet 1 through 17. The municipal and rural water district water supply requirements will be met under all three inflow forecast conditions for all units.

Under reasonable minimum inflow forecast conditions, irrigation districts receiving storage water from the following lakes and reservoirs are expected to receive less than a full supply: Box Butte, Sherman, Enders, Keith Sebelius, Harlan County and Lovewell. The irrigation districts affected are Mirage Flats; Sargent and Farwell; Frenchman Valley and H&RW; Almena; and Nebraska and Kansas Bostwick; respectively. If 1996 is a dry year, 160,450 of the total 300,700 acres estimated to be irrigated (53 percent) will have an inadequate water supply.

Under most probable inflow conditions, it is also expected that Frenchman Valley, H&RW, and Mirage Flats Irrigation Districts would experience some shortages to irrigation demands from Enders and Box Butte Reservoirs. Irrigators in several districts (Mirage Flats, Almena, Frenchman Valley, and H&RW) plan to use water from private wells to supplement the project water supply.

During 1996, under all inflow forecast conditions, storage water will be in excess of project needs at Bonny Reservoir and Waconda Lake. The state of Colorado will make Bonny storage water available to downstream water right appropriators.

Even under reasonable minimum inflow conditions, the conservation pools at Merritt, Sherman, Calamus, Davis Creek, Lovewell, Kirwin, and Webster Reservoirs along with Waconda Lake would fill during 1996.

Even with low reservoir levels and inadequate water supplies for some project lands, the recommendations of various state agencies will be considered. As in the past, irrigation and reclamation districts will advise state agencies regarding aquatic weed control and canal operations. Reclamation will continue to operate the reservoirs and other facilities under its jurisdiction in the best interests of all project functions and for the optimum public benefit.

# HEADLINES

State will receive \$2.45 million in grants for flood relief projects

Gyllenborg named new area manager for Bureau

McCOOK GAZEFIE

Bureau of Reclamation project to alleviate problem at Enders

Platte River plan

Deadline extended for states to come up with water management accord

NRDs Ponder Irrigation Well Water Meters

Clean Water Act revisions may give state more say on controls

Master Plan for Aquifer Eyed

**Rep River EPA** study mandated

Basin district irrigation contracts up for renewal Farm Groups Take Aim at Water Plan

Republican River public meeting held

Game and Parks' Rights To River Water Targeted

New Bureau policy drawing criticism

Senators Don't Want Dams Sold

▲ Independent Annual water tour to feature sites in Central Nebraska

> Meetings set on transfer of reservoirs

Supreme Court moves closer to resolving water dispute between Nebraska, Wyoming

No space to spare in reservoirs Swift snow melt could but Missouri and Platte Rivers Over their

be open to settle ent of the remaining

Reservoir Water Depleted Near Irrigation Time's End Huge sale

Irrigation district ownership would need act of Congress

rigators want control of lakes

Ample Rainfall Fills Reservoirs For Irrigators

> Local irrigation title transfer bill submitted by Roberts in U.S. House

Omaha World Fierald

Lawmakers to debate future of state water use

State rejects Prairie Bend 2

Republican River Compact - Kansas vs Nebraska

> Soggy spring weather raises fears of summer flooding

Residents Brace for River's Rise

Joint wetlands project model effort

of federal

land feared

Task Force Fine-Tunes Water Bill Public Hearings To Begin Aug. 16

Walleye Hiting at Lovewell Reservoir

Kansas Ready to Go to Court Over River Water BY HILLE ANDERSON

#### **CHAPTER I - INTRODUCTION**

# Purpose of This Report

This AOP advises water users, cooperating agencies, and other interested groups or persons of the actual operations during 1995 and serves as a guideline for the 1996 operations. This report also describes the responsibilities of Reclamation, Corps of Engineers, and the irrigation and reclamation districts in the Niobrara, Lower Platte, and Kansas River Basins.

#### Operational Responsibilities

Reclamation is responsible for irrigation operations at all federal reservoirs in the Nebraska-Kansas Projects. Reclamation is also responsible for the operation and maintenance (O&M), safety of the structure, and reservoir operations not specifically associated with regulation of the flood control storage at the reservoirs constructed by Reclamation. In addition to irrigation and flood control, these reservoirs provide recreation, fish and wildlife, and municipal benefits.

By contractual arrangements with Reclamation, the irrigation or reclamation districts in the Niobrara, Lower Platte, and Kansas River Basins are responsible for the O&M of the canals and irrigation distribution facilities constructed or rehabilitated by Reclamation. In addition, the appropriate irrigation or reclamation districts are responsible for operating and maintaining Box Butte, Merritt, and Sherman Dams and Reservoirs. Under a contract with Reclamation, the Twin Loups Reclamation District will operate and maintain Virginia Smith and Davis Creek Dams until January 1, 1997 when the O&M contract will end and the operation and maintenance of these facilities will be transferred to the district. The Corps of Engineers operates and maintains Harlan County Dam and Lake. The state of Colorado provides operational guidelines for Bonny Reservoir. Operational guidelines for Cedar Bluff Reservoir will be provided by the State of Kansas. Reclamation operates and maintains 11 dams and reservoirs in the Republican, Solomon, and Smoky Hill River Basins. Under a contract with Reclamation, Kirwin Irrigation District performs certain operational and maintenance functions at Kirwin Dam.

The states of Nebraska, Colorado, and Kansas are responsible for the administration and enforcement of their state laws pertaining to the water rights and priorities of all parties concerned with the use of water. The states are also responsible for administering the water surface activities and the federal lands around the reservoir. The U.S. Fish and Wildlife Service administers the water surface activities and most of the federal lands at Kirwin Reservoir.

Reclamation cooperates with all state agencies and compact commissions to ensure that all operations are in compliance with state laws and compact requirements.

#### Tables and Exhibits

Records for the facilities reported in the AOP are included as tables and exhibits and are located in the appendix.

#### Water Supply

For forecasting purposes, values of annual inflows that will be statistically equaled or exceeded 10, 50, and 90 percent of the time were selected from the probability data to be reasonable maximum (wet year), most probable (normal year), and reasonable minimum (dry year) inflow conditions, respectively.

Inflow records from 1965 through 1995 were used for the analysis of those reservoirs in the Kansas River Basin with the exception of Harlan County Lake in which records from 1976 through 1995 were used to better represent present inflows. Inflow records from 1967 through 1995 were used for the analysis of the reservoirs located in the Niobrara and Lower Platte Basins, except for Calamus Reservoir where the more recent available record of 1986 through 1995 was used.

#### Reservoir Operations

All operations are scheduled for optimum benefits of the authorized project functions. Monthly, or as often as runoff and weather conditions dictate, Reclamation evaluates the carry-over storage and estimated inflow at each reservoir to determine whether excess water is anticipated. If excess inflow is apparent, controlled releases will be made to maximize the downstream benefits, including flood control.

# Major Features

The Mirage Flats Project was constructed under the Water Conservation and Utilization Act and includes an irrigation storage reservoir, diversion dam, and canal system. The other features discussed in this report are all a part of the Pick-Sloan Missouri Basin Program and include single and multipurpose reservoirs, diversion dams, pump stations, and canal systems. The 17 storage facilities now in operation are listed below.

#### Constructed by Reclamation

- 1. Operated by irrigation or reclamation districts--Box Butte and Merritt Dams in the Niobrara River Basin and Sherman Dam in the Lower Platte River Basin. Under a contract with Reclamation, the Twin Loups Reclamation District will operate and maintain Virginia Smith Dam, Davis Creek Dam and Kent Diversion Dam and Canal during 1996. Following completion of the North Loup Project distribution works the responsibility for the operation and maintenance of these facilities will be transferred to the district on January 1, 1997.
- 2. Operated by Reclamation--Bonny, Trenton, Enders, Red Willow, Medicine Creek, Norton, Lovewell, Kirwin, Webster, Glen Elder, and Cedar Bluff Dams in the Kansas River Basin. A contract provides for Kirwin Irrigation District to perform certain operational and maintenance functions at Kirwin Dam.

## Constructed and Operated by the Corps of Engineers

1. Harlan County Dam in the Kansas River Basin.

## Irrigation and Reclamation Districts

Fourteen irrigation districts and two reclamation districts in the Niobrara, Lower Platte, and Kansas River Basins have contracted with Reclamation for water supply and irrigation facilities. The Sargent and Farwell Irrigation Districts have contracted their O&M responsibilities to the Loup Basin Reclamation District. The Twin Loups Irrigation District has contracted their O&M responsibilities to the Twin Loups Reclamation District. Bostwick Irrigation District in Nebraska has contracted their O&M responsibilities for Courtland Canal between the headgates and the Nebraska-Kansas state line to Kansas Bostwick Irrigation District.

The contracted irrigation season for the Mirage Flats Irrigation District is April through September. The contracted irrigation season for Frenchman Valley, H&RW and Frenchman-Cambridge Irrigation Districts is from May 1st through October 15th. The contracted irrigation season for Twin Loups Reclamation District is May 1st through September 30th or such additional period from April 1st through November 15th of each year as determined between the District and Reclamation. For all other districts, the contracted irrigation season is from May 1st through September 30th.

The water service contracts for nine irrigation districts in the Nebraska-Kansas Projects will expire between 1996 and 2007. The Frenchman-Cambridge, Kansas Bostwick and Bostwick in Nebraska Irrigation Districts have water service contracts that will expire on December 31, 1996. The water service contract for Frenchman Valley Irrigation District expires December 31, 1997; the contract with Loup Basin Reclamation District for Sargent and Farwell Irrigation Districts expires in 1998; Kirwin Irrigation District in 1999; Webster Irrigation District in 2001; and Almena Irrigation District on December 31, 2007.

Renewal of the contracts constitutes an action requiring preparation of a National Environmental Protection Act (NEPA) compliance document. Also, because of the extent and complexity of the resource management issues in the Basins, a resource management assessment (RMA) is needed. Both processes are required for the renewal of the contracts. The Irrigation Projects Reauthorization Council was formed by the irrigation districts involved in contract renewal for negotiating with Reclamation. Environmental and economic data collection, as well as hydrologic studies are being conducted in the Republican River Basin with an integrated RMA/EIS (Environmental Impact Statement) process scheduled for completion in December 1997. Plans of Action are being developed for the contract renewal process of districts in other basins.

# Municipal Water

Three municipalities and one rural water district have executed water service contracts for full or supplemental water supplies.

#### Fish and Wildlife

The State of Kansas is presently using the fish hatchery facility below Cedar Bluff Reservoir to rear Canadian geese. The Calamus Fish Hatchery located below Calamus Reservoir is operated by the State of Nebraska for fish production.

#### State of Colorado Division of Wildlife

The Division of Wildlife provides operational guidelines for Bonny Reservoir. The entire conservation pool storage was purchased by the state of Colorado on June 24, 1982.

# State of Kansas Department of Wildlife and Parks

The State of Kansas has acquired the use and control of portions of the conservation capacity at Cedar Bluff Reservoir. Water rights from the U.S. Fish and Wildlife Service and the Cedar Bluff Irrigation District are to be transferred to the state. The City of Russell's existing water storage right and contract with the United States will remain unchanged.

#### Power Interference Considerations

A Power Interference Agreement exists between Reclamation, the Twin Loups Reclamation District, and the Loup River Public Power District. Provisions of this agreement will be incorporated into the 1996 operations.

# Environmental Considerations

A "Statement of Operational Objectives" for Harlan County Lake sets forth the general operational objectives and the specific reservoir uses that are desirable. The operational objectives indicate that fish and wildlife interests are best served by high reservoir levels, with minimum fluctuations and regulation of the outflow in excess of the minimum desired flows. Although the statement recognizes flood control and irrigation as primary purposes, it indicates that comprehensive operational plans should be developed for maximum integration of the secondary uses.

These objectives are also considered in the operation of all reservoirs in the Kansas River Basin, Merritt and Box Butte Reservoirs in the Niobrara River Basin, and Sherman, Calamus and Davis Creek Reservoirs in the Lower Platte River Basin. The regulated outflow will also benefit farmers, ranchers, cities, and other interests below the reservoirs.

# **Emergency Operation Plans**

Bureau of Reclamation Commissioner Dan Beard announced in a February 9, 1995 news conference a program to aid local communities and jurisdictions downstream from Reclamation dams in the development of emergency evacuation plans. A Reclamation survey released the same day revealed that fewer than 10 percent of such communities have dam-specific evacuation plans. Reclamation will provide technical information and assistance to jurisdictions in the 17 western

states to prepare dam-specific emergency operations plans for warning and evacuating the public in case of high operational water releases or dam failure.

The Nebraska-Kansas Area Office assisted in obtaining and compiling survey results for the status of emergency operation planning. State emergency management officials were contacted to assist in completing the surveys for each downstream jurisdiction. Local emergency management officials downstream of Reclamation dams located in the Nebraska-Kansas Projects were contacted with the survey results, the news release, and assistance that Reclamation would provide. Reclamation has met with a number of downstream local county emergency managers to discuss assistance that Reclamation will provide in the development of Local Warning and Evacuation Plans. The local officials were provided with a copy of Reclamation's draft Local Warning and Evacuation Plan to use in the development of their Local Emergency Operation Plans. These meetings will continue in 1996 and orientation meetings will be held with agencies involved in the warning and evacuation process (National Weather Service, State, County, and City Emergency Management Agencies, State water resource personnel, United State Geological Service, local law enforcement, etc.). The Nebraska-Kansas Area Office is currently assisting the local emergency officials in developing Early Warning Systems at Bonny Dam in Colorado and Box Butte Dam in Nebraska.

#### CHAPTER II - NIOBRARA AND LOWER PLATTE RIVER BASINS

# Mirage Flats Project in Nebraska

#### General

The flow of the Niobrara River and Box Butte Reservoir storage provide a water supply for the 11,662-acre Mirage Flats Project. From 1986 to 1995, the project water supply averaged 14,018 AF, which is about 1.20 acre-foot per irrigable acre. This amount is 1.12 acre-foot per acre short of the average diversion requirement of 2.32 AF per acre. The March 1965 report on the project estimated this amount to be necessary for a full water supply. Many irrigators supplement their water supply with private wells.

The Mirage Flats Irrigation District cooperates with the Nebraska Game and Parks Commission by operating the Box Butte Dam outlet works gates and the Dunlap Diversion Dam gates in a manner to avoid sudden large changes in the flows of the Niobrara River. A 30-year agreement was made in 1990 between the district and the Nebraska Game and Parks Commission whereby the district will not draw the reservoir water level below elevation 3978.00 feet (2,819 acre-feet). In return the district received an up-front payment which is being used to improve the efficiency of the project's delivery system.

Reclamation continues to finalize the Box Butte Dam Emergency Action Plan as part of the Box Butte Dam Early Warning System. Reclamation has met with and provided the Region 23 Emergency Management Agency with Reclamation's draft Local Warning and Evacuation Plan. Reclamation has completed a draft Emergency Action Plan for Box Butte Dam and provided copies of this plan to the Mirage Flats Irrigation District and Region 23 Emergency Management Agency. The District has reviewed and provided comments on the Emergency Action Plan, which includes expected actions for the District for each Response Level. Region 23 is continuing to develop their Local Warning and Evacuation Plan. When Region 23 completes a draft plan, it will be coordinated with the Reclamation's Emergency Action Plan and an orientation meeting and a tabletop exercise will be scheduled. A data collection platform (DCP) was installed in May of 1992 to monitor the reservoir elevation and outflow. A telephone (primary communication system) and a radio (backup communication system) have been installed at the outlet works for contacting Region 23 Emergency Management Agency.

#### 1995 Summary

The flows of the Niobrara River plus the carry-over storage in Box Butte Reservoir were not adequate to provide a full water supply for the project lands. Precipitation at the Mirage Flats Irrigation District Office totaled 22.32 inches, which is 141 percent of normal. The total inflow (20,825 AF) was between the normal- and wet-year forecasts.

From July through September, diversions of 16,253 AF to the Mirage Flats Canal provided irrigation water for 10,371 acres, 89 percent of the service available acreage. The farm deliveries from the project water supply were 7,722 AF (0.66 acre-foot per irrigable acre), which is a delivery efficiency of 48 percent. The reservoir contained only 6,242 AF of water at the end of the irrigation season. Privately owned irrigation wells supplemented the project water supply.

#### 1996 Outlook

The project water supply is expected to be inadequate in 1996 as it has been since the early 1960's. In the spring, the district will inform their water users of the amount of water that will be available from storage in Box Butte Reservoir. The district plans for the irrigators to continue the use of water from privately owned irrigation wells as a supplemental supply. In 1996, 11,000 acres are expected to be irrigated.

#### Ainsworth Unit, Sandhills Division in Nebraska

#### General

Within the Ainsworth Irrigation District, there are 34,539 acres with service available. The project water supply is provided by storage of Snake River flows in Merritt Reservoir. The reservoir is filled each fall after the irrigation season to elevation 2944.0 feet. This level is approximately 2 feet below the top of conservation capacity. The reservoir is regulated to maintain this level until the ice clears each spring. Upon ice-out the outlet pipe is drained, inspected, and repaired as necessary. The reservoir will then be rapidly filled to elevation 2945.00 feet to reduce shoreline erosion around the reservoir and minimize sand accumulations on the face of the dam. This reservoir level is maintained until May at which time the reservoir is slowly filled. A minimum release of 75 cubic feet per second (cfs) will be made to the river during spring filling operations. This operation also enhances the spring fish spawn. Seepage, pickup and toe drain flow normally result in flows of up to 15 cfs below Merritt Dam. Whenever possible, daily changes in releases to the river should be made in no more than 50 cfs increments. This will minimize adverse impacts on the Snake River trout fishery downstream of the dam.

The district has a basic water supply. If available, additional water can be purchased by the district as a supplemental supply.

#### 1995 Summary

Precipitation, as recorded near Merritt Dam, totaled 27.27 inches, which was 141 percent of normal. The water supply was more than adequate to meet the project's irrigation requirement. There were 68,400 AF diverted from Merritt Reservoir into the Ainsworth Canal, with 46,840 AF delivered to the farm headgates (delivery efficiency of 68 percent). There were 34,208 acres of land irrigated in 1995.

The district executed several temporary water service contracts which provided a total of 352.7 AF of irrigation water from holding ponds located within the district's service area.

#### 1996 Outlook

During the winter months, the reservoir will be regulated to maintain elevation 2944.0 feet (2.0 feet below the top of conservation capacity). This elevation is within the repaired area of soil cement on the upstream face of the dam. Holding the reservoir at this elevation during the winter will help avoid ice damage to the older existing soil cement at lower elevations.

In order to alleviate erosive action to the lands around the reservoir and to maximize all benefits associated with the reservoir, releases from Merritt Reservoir will be regulated to fill the conservation capacity in two stages during the spring months. As is the normal practice after ice-out in the spring, the outlet pipe will be drained, inspected, and repaired as necessary. Once inspections and repairs have been made the reservoir will be rapidly filled to elevation 2945.00 feet. A minimum river release of 75 cfs will be made during this filling operation. The reservoir level will be maintained through the end of April and then slowly filled to the top of conservation pool by late May. If weather conditions or irrigation demands dictate, it may be necessary to begin filling the reservoir prior to this time. The water supply is expected to be adequate in 1996 for the irrigation of 34,000 acres.

#### Sargent Unit, Middle Loup Division in Nebraska

#### General

With financial support from the Loup Basin Reclamation District, the Sargent Irrigation District performs the O&M of Milburn Diversion Dam and the Sargent Canal system which serves 13,922 acres. The water supply is diverted from the Middle Loup River into the Sargent Canal under an appropriated natural-flow water right from the State of Nebraska. These diversions may exceed the natural-flow water appropriation of 202 cfs by an exchange of storage from Sherman Reservoir, provided that water is available after all senior appropriations are satisfied, and the excess is not greater than the compensating storage releases from Sherman Reservoir.

#### 1995 Summary

The precipitation over the Sargent Unit (28.84 inches at district headquarters) was 124 percent of normal. The irrigation diversions into the Sargent Canal totaled 22,860 AF (15,650 AF were delivered to the farm headgates for a delivery efficiency of 68 percent). The diversions exceeded the direct-flow water right for 8 days. Approximately 13,900 acres were irrigated. The irrigators grow corn as the principal crop, creating very high water demands in July and August. Normally these high demands cannot be met within canal capacity, so the district institutes a rationing process through the peak period, as necessary.

#### 1996 Outlook

The Loup Basin Reclamation District estimates that 13,800 acres in the Sargent Unit will be irrigated in 1996. Under dry-year conditions, some shortages could occur. The Farwell and Sargent Irrigation Districts are required to share shortages in accordance with their contract.

# Farwell Unit, Middle Loup Division in Nebraska

#### General

The Farwell Irrigation District operates and maintains, with financial support from the Loup Basin Reclamation District, the Arcadia Diversion Dam, Sherman Feeder Canal, Sherman Dam and Reservoir, and the Farwell Canal system, which serves 50,051 acres of land. Diversions are also made through the Arcadia Diversion Dam to 15,000 acres of non-project lands in the Middle Loup Public Power and Irrigation District under their appropriated natural-flow water rights.

Middle Loup Public Power and Irrigation District, Loup Basin Reclamation District, Farwell Irrigation District and Sargent Irrigation District have executed an agreement to temporarily cease diversions from the Middle Loup River when conservation storage space in Sherman Reservoir has been evacuated. The agreement was executed December 10, 1984.

During the winter months, Sherman Reservoir is normally regulated to 5 feet or more below the top of the conservation capacity. Doing so minimizes seepage from the reservoir into the groundwater table. Maintenance of the pool below the top of conservation provides time for seeding of exposed shore areas to prevent wind erosion. The seedings also provide winter food and cover for wildlife and spawning habitat for fish in the spring when these areas are inundated. Each spring, diversions into Sherman Feeder Canal from the Middle Loup River are regulated to fill the conservation capacity of Sherman Reservoir by late May. The gradually rising water surface in the spring is desirable for fish spawning.

Whenever the flows in the Middle Loup River at Arcadia, Nebraska, exceed 6,000 cfs, flows will be diverted through Sherman Feeder Canal into Sherman Reservoir. Flood control benefits can be accrued to Sherman Reservoir by such operations.

Reclamation developed two wetland sites through mitigation of the Middle Loup Valley during 1995. Phase I involved construction of a 25 acre wetland near Sherman Feeder Canal. Water can be diverted into the wetland via the Feeder Canal after water rights have been obtained. Also, a 110 acre wetland tract was developed near Fullerton, Nebraska as Phase II of the mitigation.

#### 1995 Summary

The diversions from the Middle Loup River at Arcadia Diversion Dam were 36,278 AF to the Middle Loup Public Power and Irrigation District and 112,799 AF into the Sherman Feeder Canal. During the fall of 1985 the Middle Loup Public Power and Irrigation District constructed a turnout in the Sherman Feeder Canal near mile post 11.4. The turnout diverts water directly to the Number 4 Canal. Releases to the turnout amounted to 212 AF and the losses charged as a result of these deliveries totaled 21 AF.

Sherman Feeder Canal diversions into Sherman Reservoir were started on April 24th, and the conservation capacity was filled on May 30th. The precipitation at Sherman Dam was 25.23 inches, which is 114 percent of normal. Releases into the Farwell Canals totaled 85,518 AF (53,142 AF were delivered to the farm headgates for a delivery efficiency of 62 percent). The Farwell Irrigation District reported that 49,400 acres of land were irrigated in 1995. Sherman Feeder Canal was shut off October 23rd.

Under an ongoing program the Farwell Irrigation District has installed a total of about 155 miles of pipe to replace open laterals including approximately 8.1 miles this past year. Also, approximately 4.5 miles of plastic lining has been installed in canal reaches on the Farwell Canal system.

#### 1996 Outlook

Diversions from the Middle Loup River into the Sherman Feeder Canal are expected to start in the spring for the normal filling of the conservation capacity of Sherman Reservoir prior to the irrigation season.

Under dry-year inflow conditions, irrigation shortages are expected in 1996. These shortages are attributable to large irrigation requirements for corn production during the months of July and August. Farwell and Sargent Irrigation Districts are required to share shortages in accordance with their contract.

#### North Loup Division in Nebraska

#### General

The North Loup Division is located in the Loup River drainage basin. Water is diverted from both the Calamus and North Loup Rivers for the irrigation of approximately 53,000 acres of project lands. Operation of the division will also provide a sustained groundwater supply for an additional 17,000 acres. Principal features of the division include Virginia Smith Dam and Calamus Reservoir, Calamus Fish Hatchery, Kent Diversion Dam, Davis Creek Dam and Reservoir, five principal canals, one major and one small pumping plant and numerous open ditch and buried pipe laterals.

Calamus Reservoir is normally regulated at 3 to 4 feet below the top of conservation capacity during the winter months. Holding the reservoir at this elevation during the winter will help avoid ice damage to the soil cement on the upstream face of the dam. After the ice clears in the spring, the reservoir will be filled to conservation capacity. North Loup Division project operation is restricted to no water diversion from the Calamus and the North Loup Rivers during the months of July and August each year; and during the month of September each year whenever sufficient water is available in storage reservoirs to deliver to the canals their design capacity. During this time inflows to Calamus Reservoir are required to be bypassed under the Power Interference Agreement between Reclamation, the Twin Loups Reclamation District, and the Loup River Public Power District and as required in the authorizing legislation.

Initial filling of Davis Creek Reservoir to the top of active conservation was reached on June 22, 1993. A 160-acre recreation area adjoining the reservoir was constructed and is managed by the Lower Loup Natural Resources District. The area includes a boat ramp, a handicapped fishing pier, a day-use area, a primitive camping area and shelter and a hiking path. Kent Diversion Dam is also open to day-use fishing with handicapped accessibility provided.

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Precipitation at Virginia Smith Dam was 32.12 inches which is 142 percent of normal. The inflow was 318,106 AF which was above the wet-year forecasts and the greatest recorded inflow in the 10 years since the dam was constructed. There were 85,299 AF of water released to Mirdan Canal with 39,846 AF diverted for use above Davis Creek Reservoir. The farm headgate delivery was 26,228 AF which is a delivery efficiency of 66 percent. A release of 33,843 AF was made

from Davis Creek Dam into Fullerton Canal, with 22,553 AF delivered to the farm headgates (67 percent delivery efficiency). Construction of the canal and distribution system below Davis Creek Reservoir was completed early in 1995. Land irrigated in 1995 totaled 23,795 acres above Davis Creek Reservoir and 17,977 acres below. Inflows were bypassed during July, August, and September as required. The Calamus Fish Hatchery used approximately 6,988 AF of bypassed natural flow and storage from Calamus Reservoir during 1995.

#### 1996 Outlook

Calamus Reservoir will be held at the present elevation of about 2240.0 feet until ice-out, at which time the reservoir will be rapidly filled to an elevation of 2243.5 feet (six inches below the top of conservation capacity). This reservoir level will be maintained in order to minimize shoreline erosion until demands begin to draw on the reservoir. Bypasses of inflows will be made during July, August and September. In the fall the reservoir will again be filled to approximately elevation 2240.0 feet.

Water will be available for all irrigable acres with service from the Mirdan, Geranium and Scotia Canals and Lateral Systems. It is estimated that approximately 23,890 acres will be irrigated from these canals. Water supplies will be sufficient to meet the full dry-year requirements.

Filling of Davis Creek Reservoir will take place this spring with flows diverted from the North Loup River at Kent Division Dam and transported through Kent and Mirdan Canals. Storage water can also be transferred from Calamus Reservoir into Davis Creek Reservoir during the summer months via Mirdan Canal. Water will be sufficient to irrigate an estimated 19,160 acres from Elba and Fullerton Canals under all inflow forecast conditions. The reservoir will be wintered at elevation 2040.0 feet. The low carryover elevation will minimize groundwater increases due to reservoir seepage.

The fish hatchery demand for 1996 is expected to be similar to that of the past with approximately 8,000 AF passing through the hatchery.

#### CHAPTER III - REPUBLICAN RIVER BASIN

#### Armel Unit, Upper Republican Division in Colorado

#### General

Normal reservoir operations for Bonny Reservoir are primarily for recreation and fish and wildlife support, although water will be available for water right administration and irrigation purposes.

Bonny Reservoir inflows from the South Fork of the Republican River and Landsman Creek are released into Hale Ditch as requested by the Colorado State Engineer. The state will make Bonny storage water available to Hale Ditch and other natural flow appropriators under short-term water service contracts. Most of the 700 acres served by Hale Ditch are now owned and operated by the Division of Wildlife, Colorado Department of Natural Resources.

The normal operation pattern of Bonny Reservoir, with a slowly rising or stable pool, enhances fish spawning in the spring and provides excellent fishing opportunities through the summer and hunting conditions each fall.

#### 1995 Summary

The 21.18 inches of precipitation at Bonny Dam was 127 percent of normal. The inflow (18,133 AF) to Bonny Reservoir was between the normal- and wet-year forecasts. The reservoir level was approximately 2.0 feet below the top of conservation at the first of the year. The conservation pool gradually filled to elevation 3672.00 feet on May 8th. A river release through the spillway sluicegate (free flow) began on May 19th to hold the reservoir level at full pool. Bonny Dam received 3.84 inches of precipitation from June 2nd through June 9th increasing the reservoir level to a peak of 3673.80 feet (1.8 feet above full) on June 14th. The flood pool was evacuated on July 27th and the sluicegate was closed. Canal releases during the fall continued to reduce the reservoir level. On December 31st the reservoir elevation was 2.5 feet below the top of conservation. Bonny Reservoir was estimated to have prevented \$495,700 in flood damages during 1995 by the Corps of Engineers.

As directed by the Colorado Water Commissioner, 1,744 AF of reservoir inflows from the South Fork of the Republican River and Landsman Creek passed through Bonny Reservoir into Hale Ditch. In addition, the Colorado Department of Natural Resources requested storage releases of 1,001 AF for irrigation purposes into Hale Ditch.

Safety of Dams evaluations in 1986 and 1987 confirmed two deficiencies at Bonny Dam, the potential for piping failure and that floods greater than 55 percent of the probable maximum flood (PMF) will overtop and fail the dam. An interim toe drain completed in December of 1988 provided protection up to elevation 3691.0 feet. A foundation toe drain completed in 1994 will minimize the potential for dam failure due to piping when the reservoir goes above elevation 3691.0 feet. An Early Warning System (EWS) was selected as the preferred hydrologic alternative for the danger of the dam overtopping. The EWS will greatly reduce the threat to downstream populations if the dam were to overtop and fail due to large floods.

Reclamation continued development of the Bonny Dam Early Warning System in cooperation with the National Weather Service, Colorado Department of Wildlife and Parks, emergency management officials from the states of Colorado, Kansas, and Nebraska, and emergency officials from Yuma County in Colorado, Cheyenne County in Kansas, and Dundy and Hitchcock Counties in Nebraska. An Emergency Action Plan for Bonny Dam was developed and the local officials developed Local Warning and Evacuation Plans. A Tabletop Exercise was held on May 22, 1995 in Yuma, Colorado, with participation from the above agencies. The dam operator at Bonny Dam retired at the end of 1995 and there may no longer be a Reclamation employee residing at the dam. The Emergency Action Plan will need to be revised and the expected actions of the dam operator will need to be assigned to other personnel. An Orientation Meeting with involved agencies is planned in the spring of 1996 to address this and other issues.

#### 1996 Outlook

Water stored in Bonny Reservoir will be available for sale to Hale Ditch and other private irrigators under short-term water service contracts executed with the state.

Inflows will be stored during the winter until filling of the conservation pool is certain.

Releases can be made during this period to maintain a constant reservoir elevation when filling of the reservoir is imminent or if icing were to become a problem.

The installation of guardrail is scheduled for the Bonny Dam spillway bridge in 1996.

# Frenchman Unit, Frenchman-Cambridge Division in Nebraska

#### General

The Culbertson Canal and the Culbertson Extension Canal systems serve 9,600 acres in the Frenchman Valley Irrigation District and 11,490 acres in the H&RW Irrigation District. The water supply for these lands is furnished by flows from Frenchman and Stinking Water Creeks and offseason storage in Enders Reservoir.

The normal operation of Enders Reservoir, with the gradual rise in water surface during the spring months, provides desirable fish spawning conditions. Irrigation releases will normally deplete the conservation storage by late summer, thereby limiting the fishing and recreational usage.

# 1995 Summary

The 18.02 inches of precipitation at Enders Dam was slightly below normal. The 1995 inflow into Enders Reservoir (18,911 AF) was just above the dry-year forecast. Due to extensive groundwater pumping above the reservoir, the inflow was only 31 percent of the average historical preconstruction runoff at the Enders Dam site (60,700 AF from 1929-1947). This year was the 28th consecutive year with below-normal inflows in which the conservation pool did not fill. A total of 3,496 AF of water was conserved between the 1994 and 1995 irrigation seasons by pumping seepage back into the reservoir. Reservoir releases for irrigation began July 3rd and were stopped on August 29th.

The farm delivery averaged about 0.49 feet per irrigated acre for the two districts. Some farmers were able to supplement their project water supply from private irrigation wells. The Frenchman Valley Irrigation District reports that approximately 8,580 acres received water in 1995, and the H&RW Irrigation District reports approximately 11,020 acres, which are 89 and 96 percent, respectively, of the lands with service available. Farm delivery efficiency was 45 and 44 percent respectively for the two districts.

Enders Reservoir on the Frenchman Creek, a tributary of the Republican River in southwest Nebraska, prevented \$29,000 in flood damages (determined by the Corps of Engineers). Flood releases were not required from the reservoir as total storage remained below the top of conservation.

Installation of guardrail on the Enders Dam spillway bridge was completed in 1995.

#### 1996 Outlook

The fall and early winter inflows into Enders Reservoir were slightly below the dry-year forecast. If reasonable minimum inflow conditions prevail, the project water supply is expected to experience a shortage of about 65,800 AF. Most probable inflow conditions are expected to be inadequate by 20,100 AF, to irrigate the 8,600 acres in the Frenchman Valley Irrigation District and 11,050 acres in the H&RW Irrigation District. Approximately 3,000 AF are expected to be conserved by pumping seepage water back into Enders Reservoir.

Meeker-Driftwood, Red Willow, and Cambridge Units, Frenchman-Cambridge Division in Nebraska

#### General

During the spring months, Swanson, Hugh Butler, and Harry Strunk Lakes normally have a rising or stable pool which enhances the spawning of northern pike and walleye. These lakes provide excellent opportunities for fishing, water sports, and recreation.

Service is provided for Frenchman-Cambridge Irrigation District by Meeker-Driftwood Canal to 16,476 acres; Red Willow Canal to 4,932 acres; Bartley Canal to 6,539 acres; and Cambridge Canal to 17,053 acres. The water supply for these lands is provided by storage in Swanson, Hugh Butler, and Harry Strunk Lakes, and inflows of the Republican River and Red Willow and Medicine Creeks. The Frenchman-Cambridge Irrigation District has replaced all of the open laterals which were physically or economically feasible with pipe laterals which has significantly increased both system and on-farm efficiencies.

## 1995 Summary

The precipitation of 21.55 inches at Trenton Dam was 109 percent of normal. The inflow of 69,414 AF to Swanson Lake was between the normal- and wet-year forecasts. The reservoir level began the year approximately 5.9 feet below the top of conservation pool. The conservation pool filled on May 8th (elevation of 2752.00 feet). The reservoir level continued to rise during the spring, gradually increasing to a maximum of 2754.86 feet on June 20th with 14,700 AF of flood

storage occupied. Storage within the flood pool was made in cooperation with the Nebraska Game and Parks Commission and the Corps of Engineers. An irrigation release was started on June 19th and began drawing on the reservoir storage. Irrigation releases continued throughout the season with the reservoir level dropping from the flood pool on July 30th. It was determined by the Corps of Engineers that the reservoir prevented \$5,390,500 in flood damages during 1995. Swanson Lake storage, along with inflows and river pickup flows was sufficient in furnishing a full water supply to each irrigable acre of the project lands served by the Meeker-Driftwood and Bartley Canal systems. The Frenchman-Cambridge Irrigation District diverted 35,371 AF into Meeker-Driftwood Canal to irrigate 16,533 acres and 10,677 AF into Bartley Canal for 6,466 acres. Delivery efficiency was 55 and 70 percent respectively for the two canals.

The precipitation of 15.52 inches at Red Willow Dam was 79 percent of normal, while the inflow of 16,813 AF into Hugh Butler Lake was between the dry- and normal-year forecasts. The reservoir level at the first of the year was 3.2 feet below the top of conservation. Inflows gradually increased the level of the reservoir to 2583.02 feet (1.2 feet into the flood pool) on June 15th. Irrigation releases began on June 18th evacuating the flood pool on July 15th. Hugh Butler Lake was estimated to have prevented \$495,700 in flood damages by the Corps of Engineers. The water supply was adequate to meet the diversion requirements for Red Willow Canal. The district diverted 8,974 AF of water to irrigate 5,020 acres of land served by Red Willow Canal. The farm headgate delivery was 5,984 AF for a delivery efficiency of 67 percent.

The precipitation of 19.23 inches was 94 percent of normal at Medicine Creek Dam, while the inflow of 38,366 AF was between the dry- and normal-year forecast. The reservoir level at the beginning of 1995 was 4.6 feet below the top of conservation (2361.50 feet). The reservoir level gradually increased to an elevation of 2365.89 feet on March 13th at which time a release was started from the dam. A release continued to be made through April 15th maintaining a reservoir level of approximately .5 foot below the top of conservation. The reservoir level was then allowed to fill to elevation 2368.1 feet (2 feet into the flood pool) before a release resumed from May 15th through June 21st to maintain this level. The flood pool storage was regulated in cooperation with the Nebraska Game and Parks Commission and the Corps of Engineers. Irrigation releases began on June 21st. On July 15th the reservoir level dropped back into the conservation pool. The reservoir was estimated to have prevented \$24,500 in flood damages by the Corps of Engineers. The water supply was more than adequate with 31,748 AF of water diverted to irrigate 17,204 acres of land served by the Cambridge Canal (farm delivery efficiency was 64 percent).

#### 1996 Outlook

Forecasts show that carry-over storage, streamflow gains, plus reasonable minimum inflows for the three lakes supplying the Frenchman-Cambridge Irrigation District will be adequate to meet the full dry-year irrigation requirement.

It is estimated that 16,400 acres will be served from the Meeker-Driftwood Canal; 17,000 acres will be served from the Cambridge Canal; 4,900 acres will be served from the Red Willow Canal; and 6,500 acres will be served from the Bartley Canal.

#### Almena Unit, Kanaska Division in Kansas

#### General

Service is available to 5,763 acres in the Almena Irrigation District. The project water supply is provided by Prairie Dog Creek flows and Keith Sebelius Lake storage.

The water service contract for the city of Norton, Kansas, provides for a maximum annual use of 1,600 AF from Keith Sebelius Lake.

#### 1995 Summary

The precipitation at Norton Dam was 25.59 inches, which is 107 percent of normal. The total inflow was 11,214 AF, which was between the normal- and wet-year forecasts. Farm delivery averaged about .37 acre-foot per irrigated acre from the project water supply. Water is also being supplied from privately owned irrigation wells to conserve reservoir water storage. The reservoir level was approximately 5.6 feet below the top of conservation on December 31, 1994 (2298.74 feet). The level slowly increased to 2299.80 feet on April 30th. Norton Dam received a record high May precipitation total of 14.33 inches, exceeding the previous high by 5.71 inches. The record rainfall amount resulted in the greatest May computed inflow since construction of the reservoir. Keith Sebelius Lake elevation increased 2.3 feet during May ending the month at the highest level since 1967. The reservoir level peaked at 2302.40 feet on June 16th, 1.9 feet below the top of conservation. Flood releases were not necessary because the total storage never exceeded the conservation pool. The Corps of Engineers estimated that \$563,000 in flood damages was prevented by Keith Sebelius Lake.

The city of Norton used 456 AF of municipal water during 1995.

#### 1996 Outlook

The district expects to deliver water to 5,500 acres if an adequate water supply is available. If 1996 is a dry year without significant run-off producing storms above Keith Sebelius Lake, it is anticipated that irrigation shortages of 8,400 AF would occur. If normal lake inflows and normal rainfall occur over the irrigated area in 1996 no shortage will be experienced.

Requirements for the city of Norton are expected to be met in full in 1996.

Painting of the spillway gates is planned to begin this summer.

Franklin, Superior-Courtland, and Courtland Units, Bostwick Division in Nebraska and Kansas

#### General

Harlan County Lake storage and Republican River flows provide a project water supply for 22,787 acres in the Bostwick Irrigation District in Nebraska, and 13,550 acres in the Kansas-Bostwick Irrigation District No. 2 above Lovewell Reservoir. These flows, together with White

Rock Creek flows and Lovewell Reservoir storage, furnish a water supply for 28,338 acres below Lovewell Reservoir in the Kansas-Bostwick Irrigation District.

The lands in the Franklin and Superior-Courtland Units are in the Bostwick Irrigation District in Nebraska. The lands in the Courtland Unit downstream of the Kansas state line are in the Kansas-Bostwick Irrigation District.

In accordance with the off-season flow alternative outlined in Reclamation's final environmental assessment dated December 16, 1983, releases will be 10 cfs during the months of December, January, and February, except when the reservoir is at low levels. During water-short years releases for these three months will be either zero or 5 cfs depending on reservoir levels. At the request of the state of Nebraska, releases of 30 cfs for a maximum 5-day period may be made to relieve icing conditions in the river.

Natural gain in streamflow, plus irrigation return flows, and operational bypass at Superior-Courtland Diversion Dam will provide some flow downstream.

The Kansas Department of Wildlife and Parks has requested that the Kansas-Bostwick Irrigation District and Reclamation maintain, when possible, a flow of 20 cfs into Lovewell Reservoir when the Courtland Canal is in operation and the conservation pool is below capacity. This recommended inflow provides excellent fishing around the canal inlet to the reservoir. The seepage below Lovewell Dam into White Rock Creek maintains a small live stream throughout the year.

# 1995 Summary - Bostwick Division - Harlan County Lake Operations

The precipitation at Harlan County Dam totaled 22.11 inches of rainfall, which is 99 percent of normal. The inflow of 201,800 AF was between the normal- and wet-year forecasts. A 10 cfs release was required during January, February and December in accordance to the environmental assessment and the annual operating plan.

Harlan County Lake began 1995 approximately 2.3 feet below the top of conservation pool at 1943.66 feet. The conservation pool filled on March 25th and the reservoir level continued to increase with spring inflows. Harlan County Dam recorded 11.02 inches of precipitation during May (2.67 inches greater than previously ever recorded). A river release of 400 cfs was started on May 10th to evacuate flood storage. The release was discontinued on May 27th because of high river stages downstream of the dam due to heavy rainfall. A 500 cfs release was resumed on June 2nd and increased to 1,000 cfs on June 7th. The reservoir level peaked at 1951.18 feet (5.2 feet into the flood pool) on June 7th. The 1,000 cfs river release continued until July 3rd when it was reduced to meet irrigation demands. On July 27th the reservoir level dropped from the flood pool as irrigation demands increased. At the end of irrigation season (September 19th) 248,553 acrefeet of storage remained in the reservoir. Harlan County Lake prevented \$28,182,000 of downstream flood damages during 1995.

The 33,579 irrigated acres of the Bostwick District in Nebraska and the Kansas-Bostwick District above Lovewell Dam were furnished a full water supply. A total of 31,839 AF

(approximately 47 percent of total inflow) was delivered to Lovewell Reservoir through the Courtland Canal.

# 1995 Summary - Bostwick Division - Nebraska

The Bostwick Irrigation District in Nebraska diverted 62,291 AF for the irrigation of 22,787 acres. Farm delivery efficiency averaged 39 percent in the district.

# 1995 Summary - Bostwick Division - Kansas

The 1995 precipitation at Lovewell Dam totaled 23.15 inches, which was 84 percent of normal. Lovewell Reservoir began 1995 with a water surface elevation of 1578.62 feet, 4.0 feet below the top of conservation. The conservation pool filled on April 20th (elevation 1582.60 feet). The reservoir level continued to rise peaking at 1587.29 feet on June 5th. A river release of 50 cfs was started on June 2nd and increased to 200 cfs on June 5th. The river release was shut off on June 20th with the reservoir elevation at 1585.60 feet. Canal releases began on this date and continued throughout the irrigation season dropping the reservoir from the flood pool on July 26th. The Corps of Engineers estimated the reservoir reduced local and downstream damages by \$7,098,000. Off-season diversion of natural flow from the Republican River into Lovewell Reservoir through Courtland Canal was made during January and February.

The Kansas-Bostwick Irrigation District diverted a total of 80,129 AF to serve approximately 10,800 acres above Lovewell Dam and about 24,140 acres below Lovewell Dam. Farm delivery efficiency averaged 53 percent in the district.

Construction was completed on a section of Courtland Feeder Canal that was reshaped and lined with a polyethylene membrane to reduce seepage loss.

# 1996 Outlook - Bostwick Division

The Bostwick Irrigation District in Nebraska and the Kansas-Bostwick Irrigation District No. 2 expect to deliver water to 22,500 and 39,000 acres, respectively. The storage in Harlan County Lake and Lovewell Reservoir and flows of the Republican River and White Rock Creek will be inadequate to meet the full dry-year irrigation requirement for the Bostwick lands. An operation plan will not be required in 1996 because both reservoirs are expected to be full prior to the irrigation season. If a shortage should develop due to extremely dry conditions an interim operation plan may become necessary.

Up to two feet of flood pool storage will be utilized at Lovewell Reservoir prior to the irrigation season. This additional storage will help alleviate any irrigation shortages in the Bostwick Division. Natural flow in the Republican River will be diverted into Lovewell Reservoir via Courtland Canal in filling the reservoir.

#### CHAPTER IV - SMOKY HILL RIVER BASIN

#### Kirwin Unit, Solomon Division in Kansas

#### General

The water supply for the 11,435 acres of land in the Kirwin Irrigation District is furnished by storage from Kirwin Reservoir and inflows from the North Fork of the Solomon River and Bow Creek.

The operation of Kirwin Dam and Reservoir affords many opportunities for recreation, fishing, hunting, water sports, fish spawning, and preservation of waterfowl species.

#### 1995 Summary

The precipitation total of 28.31 inches at Kirwin Dam was 123 percent of normal. The inflow of 91,083 AF was above the wet-year forecast. Kirwin Reservoir was only .15 foot below the top of conservation pool at the first of the year. The conservation pool filled on January 10th and the reservoir level continued to increase throughout the spring reaching 1731.25 feet (2 feet into flood pool) on May 3rd. May precipitation at Kirwin Dam (13.46 inches) and the resulting inflow to the reservoir were both record highs for the month. Recorded 24-hour precipitation amounts of 1.03, 1.83, 1.97 and 1.38 inches increased the reservoir level to 1732.19 feet on May 26th. Another 3.60 inches of precipitation was recorded overnight on the 26th. A peak average daily computed inflow of 8,200 cfs was recorded from May 27th to the 28th. Storage in Kirwin Reservoir increased 34,900 AF during the month. The reservoir elevation peaked at 1737.07 feet on June 2nd, 2.0 feet higher than the previous historical high set in 1993 and 7.8 feet into the flood pool. A river release of 250 cfs was made during May whenever downstream conditions permitted. A spillway release of 500 cfs was started from Kirwin Dam on June 1st and was decreased to 300 cfs on the 23rd when canal releases began. The spillway release was shut off on July 24th. Irrigation releases dropped the reservoir from the flood pool on September 2nd. Fall inflows increased the reservoir level to 1730.20 feet (.95 foot into the flood pool) at the end of the year. The reservoir prevented \$13,514,200 in flood damages as determined by the Corps of Engineers.

Demands for project water were met in full during the irrigation season. A total of 8,072 acres received project water during 1995 with 9,777 AF delivered to farms. Farm delivery efficiency was 45 percent.

#### 1996 Outlook

The district estimates that 8,000 acres may be irrigated in 1996. Even with below normal precipitation and dry-year forecasted inflows from the North Fork of the Solomon River the water supply will be more than adequate to irrigate these lands. Kirwin Reservoir will begin the irrigation season with a full active conservation pool for the third year in a row. Releases will be made early in 1996 to regulate flood storage.

#### Webster Unit, Solomon Division in Kansas

#### General

The Webster Irrigation District has service available to 8,500 acres. The project water supply is provided by Webster Reservoir storage and flows of the South Fork of the Solomon River.

#### 1995 Summary

In 1995, the precipitation at Webster Dam was 125 percent of normal (28.83 inches). The inflow of 157,434 AF was well above the wet-year forecast and the greatest since initial reservoir filling. Webster Reservoir began 1995 with 1.31 feet of flood pool storage occupied (1893.76 feet). The reservoir elevation increased to 1894.72 feet on February 9th at which time a release was started to maintain this level. The reservoir level was 1894.75 feet on May 1st with a discharge of 40 cfs. May precipitation at Webster Dam (15.38 inches) and the resulting inflow to the reservoir were both record highs for the month. Persistent rainfall that included 2.5 inches on the 8th, 1.1 inches on the 13th, 1.4 inches on the 18th and 1.8 inches on the 23rd increased the reservoir level an additional 4.4 feet into the flood pool by May 26th. Another 5.20 inches of precipitation was recorded at Webster Dam overnight on the 26th. The peak average daily computed inflow of approximately 10,100 cfs was recorded from May 27th to the 28th. Storage in Webster Reservoir increased 57,540 AF during May. The reservoir level peaked at 1907.04 feet on June 5th, 2.7 feet higher than the previous historical high set in 1993 and 14.6 feet into the flood pool. A release of 500 cfs was made during May when downstream conditions permitted. A spillway release began on June 1st and was gradually increased to 1,000 cfs by June 12th. Spillway releases were discontinued on August 1st. River outlet releases dropped the reservoir from the flood pool on September 2nd. Fall inflows increased the reservoir level to 1893.78 feet (1.33 feet into the flood pool) on December 31, 1995. The Corps of Engineers determined that the reservoir prevented \$26,867,300 in flood damages.

The district diverted 16,159 acre-feet for irrigation of 4,551 acres. Project water demands were met in full.

#### 1996 Outlook

Flood releases will resume early in 1996 to regulate flood storage.

The carryover storage and the flows in the South Fork of the Solomon River will be more than adequate under dry-year forecasts to irrigate 5,000 acres in the district in 1996. This will be the third consecutive year since 1962 that Webster Reservoir will begin the irrigation season with a full active conservation pool.

Installation of guardrail on the Webster Dam spillway bridge is scheduled to begin early in 1996.

#### Glen Elder Unit, Solomon Division in Kansas

#### General

Releases from Waconda Lake will be regulated as outlined in two memorandums of understanding between the State of Kansas and Reclamation. Releases are made for the city of Beloit, the long-term water service contract with Glen Elder Irrigation District, and water right administration.

The water service contract with Beloit, Kansas, provides for the annual use of up to 2,000 AF of Waconda Lake storage. Water is measured at the Glen Elder Dam river outlet works. In any water year that the city's water supply is insufficient and there is surplus water in Waconda Lake, such additional water may be released for the city at a rate of \$15.00 per acre-foot.

The water service contract with the Mitchell County Rural Water District No. 2 provides for use of storage water as available from Waconda Lake. Water usage is not to exceed 1,009 AF per calendar year.

The water service contract with the Glen Elder Irrigation District provides for the use of up to 18,000 AF of storage water each year. Water is released and measured through the river outlet works.

To lessen ice damage to the upstream face of Glen Elder Dam during the winter months, releases from Waconda Lake will be regulated each year to maintain a constant water surface level while the lake is ice-covered.

The available facilities along the shores of Waconda Lake and the large water surface area afford opportunities to thousands of people for picnics, sightseeing, recreation, water sports, hunting, and fishing. Renovation of the upstream recreational areas that were damaged during the 1993 and 1995 flooding continues.

When compatible with flood control operations, the operating criteria for Waconda Lake provide for a stable or rising pool level during the fish spawning period each spring.

When possible, drawdowns will be scheduled for late summer and early fall so that exposed shore areas can be seeded. This seeding prevents wind erosion and also provides both wildlife with winter food and cover and fish with spawning habitat in the spring when these areas are inundated.

# 1995 Summary

The annual precipitation total of 25.80 inches at Glen Elder Dam was 103 percent of normal. The inflow of 538,278 AF was above the wet-year forecast. Waconda Lake began 1995 approximately 1.6 feet below the top of conservation. A 300 cfs release was being made to drop the reservoir level to elevation 1453.6 feet (2 feet below conservation). The release was decreased to 200 cfs on January 23rd and remained at this rate until April 4th when the outflow was staged down to allow the reservoir to fill. May precipitation at Glen Elder Dam (10.20 inches) and the

resulting inflow to Waconda Lake were the greatest on record for the month. The reservoir elevation of Waconda Lake at the beginning of the month was approximately 1.2 feet below the top of conservation. Precipitation was recorded on 22 days during May with 24-hour totals of an inch or more on four occasions. The peak average daily computed inflow of about 10,700 cfs was recorded from May 29th to the 30th. Storage in Waconda Lake increased 176,100 AF during May. The maximum release made to the river during May was 1,500 cfs. The reservoir level peaked at 1467.07 feet on June 10th (11.5 feet into the flood pool). River releases varied from 1,500 cfs to 2,700 cfs during June. The release was adjusted to 2,000 cfs on June 20th and continued at this discharge rate until August 22nd. Waconda Lake dropped from the flood pool on August 30th. The release to the river was gradually decreased to 20 cfs by September 18th with a reservoir level of 1453.5 feet. Fall inflows increased the reservoir level of Waconda Lake to 1455.67 feet (.07 foot above top of conservation) on December 31, 1995. A 200 cfs release was being made at the end of the year to maintain the pool near the top of conservation. The Corps of Engineers determined that the reservoir reduced local and downstream damages by \$171,843,400.

No storage releases were made for the City of Beloit, however, 3,678 AF were bypassed for quality control as directed by the State Water Commissioner. Storage releases were not required for irrigation during the early part of the season because flood releases were more than sufficient in meeting demands. A total of 1,548 AF was released to meet late season irrigation demands. Other controlled releases totaled 459,375 AF during 1995. Releases of 697 AF were made to the Mitchell County Rural Water District No. 2.

Installation of guardrail on the Glen Elder Dam spillway bridge was completed in 1995.

# 1996 Outlook

The municipal requirement of Beloit and the requirements of the Mitchell County Rural Water District No. 2 will be met in full with releases as required from Waconda Lake. It is expected that the Kansas Water Commissioner will request that inflows be passed through the lake for water right administration. The Glen Elder Irrigation District estimates that 5,400 acres will be irrigated in 1996. The storage in Waconda Lake and flows in the North and South Forks of the Solomon River will furnish an adequate water supply to the district. River releases will continue during the first few months of 1996 to reduce the level of Waconda Lake to 1453.60 feet (two feet below top of conservation). This reservoir level will be maintained until irrigation demands begin to draw on the reservoir. Holding the reservoir level at this elevation is being made in cooperation with the Kansas Department of Wildlife and Parks. The State is planning to complete boat ramp and rip-rap projects. To minimize ice damage, the reservoir will be regulated to maintain a constant level during the late winter months when the reservoir is ice-covered. Under normal-year conditions, the lake is expected to be maintained at about three feet below the top of the conservation pool for next winter.

#### Cedar Bluff Unit, Smoky Hill Division in Kansas

#### General at shem an influence based on the Admillion of the property would got a find on

Cedar Bluff storage furnishes a maximum of 2,000 AF each year for the city of Russell, Kansas when required. Prior to 1993, Cedar Bluff Reservoir storage and Smoky Hill River flows had

provided a water supply for 6,800 acres in the Cedar Bluff Irrigation District. No water had been available for delivery to the district since 1978. Reformulation of the Cedar Bluff Unit in October of 1992 allowed the Cedar Bluff Irrigation District to begin the proceedings to disband, and the Kansas Water Office and Kansas Department of Wildlife and Parks to acquire the use and control of portions of the reservoir conservation capacity. The district completed all activities necessary to accomplish disbandment in 1994. A "designated operating pool" has been established for Cedar Bluff Reservoir and includes the following suballocation pools: The City of Russell's existing water storage right which remained unchanged; an artificial recharge pool under control of the Kansas Water Office; and a fish, wildlife and recreation pool under control of the Kansas Department of Wildlife and Parks. The "designated operating pool" consist of water stored between the dead pool and elevation 2109.05 feet. A joint-use pool has been established for the storage between the operating pool and the flood control pool. A decision on how the rights will be maintained by the state will be made after consultation between the agencies.

#### 1995 Summary

The precipitation at Cedar Bluff Dam was 24.16 inches which is 118 percent of normal. The inflow (38,773 AF) was between the normal- and wet-year forecasts. Cedar Bluff Reservoir began 1995 with a reservoir level of 2120.68 feet (11.63 feet into the joint-use pool). Cedar Bluff Dam received 8.79 inches of precipitation during May exceeding the previous record of 6.72 inches for the month. The reservoir level increased 5.9 feet during May, ending the month at the highest level since 1976 (2126.80 feet). A release was not required from the reservoir as total storage remained below the top of conservation. Cedar Bluff Reservoir was estimated to have prevented \$6,810,000 in flood damages in 1995 by the Corps of Engineers. Cedar Bluff Reservoir level was at 2126.78 feet at the end of 1995. The state of Kansas did not use reservoir water for the fish hatchery facility in 1995. No releases were made for the city of Russell.

#### 1996 Outlook

The reservoir content of 91,680 AF on December 31, 1995 is in the joint use pool, with 53,690 AF of storage above the designated operating pool. The Kansas Department of Wildlife and Parks estimates around 400 acre-feet of water may be used in the operations of the fish hatchery facility.

#### **CAPACITY ALLOCATIONS 1/**

			LIVE CONSE	RVATION		
RESERVOIR		DEAD	Inactive	Active	FLOOD	
THE SERVICE OF THE SE						
Box Butte	- Elevation Ft.	3969.0	3976.5	4007.0		
	Total Acre-feet	640	2,275	31,060	- T-A - 1174	
<u> Linda a de la companya de la compa</u>	Net Acre-feet	640	1,635	28,785		
Merritt	- Elevation Ft.	2875.0	2896.0	2946.0		
	Total Acre-feet	1,614	6,800	74,486		
	Net Acre-feet	1,614	5,186	67,686		
Sherman	<ul> <li>Elevation Ft.</li> </ul>	2118.5	2129.0	2162.3		
	Total Acre-feet	3,839	10,496	69,076		
	Net Acre-feet	3,839	6,657	58,580	(f)	
Calamus	- Elevation Ft.	2185.0	2213.3	2244.0		
	Total Acre-feet	817	24,646	127,400		
	Net Acre-feet	817	23,829	102,754		
Davis Creek	- Elevation Ft.	1998.5	2003.0	2076.0	W	
	Total Acre-feet	76	172	31,158		
	Net Acre-feet	76	96	30,986	9 H	
Bonny	- Elevation Ft.	3635.5	3638.0	3672.0	3710.0	
- Camara	Total Acre-feet	1,418	2,134	41,340	170,160	
	Net Acre-feet	1,418	716	39,206	128,820	
Enders	- Elevation Ft.	3080.0	3082.4	3112.3	3127.0	
	Total Acre-feet	8,467	9,968	44,480	74,520	
	Net Acre-feet	8,467	1,501	34,512	30,040	
Swanson	- Elevation Ft.	2710.0	2720.0	2752.0	2773.0	
Lake	Total Acre-feet	2,118	12,430	112,214	246,291	
	Net Acre-feet	2,118	10,312	99,784	134,077	
Hugh Butler	- Elevation Ft.	2552.0	2558.0	2581.8	2604.9	
Lake	Total Acre-feet	6,313	10,450	37,776	86,627	
	Net Acre-feet	6,313	4,137	27,326	48,851	
Harry Strunk	- Elevation Ft.	2335.0	2343.0	2366.1	2386.2	
Lake	Total Acre-feet	4,160	8,859	35,705	88,420	
	Net Acre-feet	4,160	4,699	26,846	52,715	
Keith Sebelius	- Elevation Ft.	2275.0	2280.4	2304.3	2331.4	
Lake	Total Acre-feet	2,718	5,284	35,935	134,738	
- All All All All All All All All All Al	Net Acre-feet	2,718	2,566	30,651	98,803	
Harlan County	- Elevation Ft.	1885.0	1927.0 3/	1946.0	1973.5	
Lake	Total Acre-feet	0	120,790	315,090	811,808	
33013	Net Acre-feet	0	120,790	194,300	496,718	
Lovewell	- Elevation Ft.	1562.0	1571.7	1582.6	1595.3	
	Total Acre-feet	5,054	16,760	41,690	92,150	
	Net Acre-feet	5,054	11,706	24,930	50,460	
Kirwin	- Elevation Ft.	1693.0	1697.0	1729.25	1757.3	
	Total Acre-feet	6,385	9,785	99,435	314,550	
	Net Acre-feet	6,385	3,400	89,650	215,115	
Webster	- Elevation Ft.	1855.5	1860.0	1892.45	1923.7	
***************************************	Total Acre-feet	2,184	5,300	77,371	260,740	
	Net Acre-feet	2,184	3,116	72,071	183,369	
Waconda	- Elevation Ft.	1407.8	1428.0	1455.6	1488.3	
Lake	Total Acre-feet	1,236	36,671	241,460	963,775	
CENTRAL C	Net Acre-feet	1,236	35,435	204,789	722,315	
Cedar Bluff	- Elevation Ft.	2090.0	2107.8	2144.0	2166.0	
	Total Acre-feet	8,261	35,320	185,090	376,950	
	Net Acre-feet	8,261	27,059	149,770	191,860	
			TALL TEACH	THE INTERIOR	(A) Compli	
Total Storage (A.F.)		55,300	318,140	1,600,766	3,953,909 2	
Total Net Acre-feet		55,300	262,840	1,282,626	2,353,143	

<sup>1/</sup> Includes space for sediment storage.

<sup>2/</sup> Includes total active storage for Box Butte, Merritt, Sherman, Calamus, and Davis Creek Reservoirs.

<sup>3/</sup> Bottom of irrigation pool for Harlan County Lake is 1932.8 feet.

TABLE 2 SUMMARY OF 1995 OPERATIONS MIRAGE FLATS PROJECT

	<b>BOX BUT</b>						
		0			MIRAGE FLATS CANA		
Inflow (AF)	Outflow (AF)	Evap. (AF)	Precip. (Inches)	Content (AF)	To Canal (AF)	Delivered To Farms (AF)	
1,665	57	82	0.27	12,339	0	0	
1,926	53	110	0.42	14,102	0	0	
1,996	63	207	0.41	15,828	0	0	
2,279	64	360	2.42	17,683	0	0	
2,732	73	186	4.62	20,156	0	0	
2,014	85	441	6.00	21,644	0	0	
1,019	5,349	553	1.55	16,761	5,986	2,203	
534	7,442	438	2.83	9,415	7.287	3,794	
657	2,713	209	1.67	7,150	2,980	1,725	
2,038	57	190	1.74	8,941	0	0	
2,287	52	118	0.04	11,058	0	0	
1,678	53	75	0.35	12,608	- 0	0	
20,825	16,061	2,969	22.32	-	16,253	7,722	
	(AF) 1,665 1,926 1,996 2,279 2,732 2,014 1,019 534 657 2,038 2,287 1,678	Inflow (AF) (AF) 1,665 57 1,926 53 1,996 63 2,279 64 2,732 73 2,014 85 1,019 5,349 534 7,442 657 2,713 2,038 57 2,287 52 1,678 53	Section   Sect	BOX BUTTE RESERVOIR   Gross   Evap. (AF) (AF) (AF) (AF) (Inches)   1,665   57   82   0.27   1,926   53   110   0.42   1,996   63   207   0.41   2,279   64   360   2.42   2,732   73   186   4,62   2,014   85   441   6,00   1,019   5,349   553   1.55   534   7,442   438   2,83   657   2,713   209   1,67   2,038   57   190   1,74   2,287   52   118   0.04   1,678   53   75   0.35	Inflow   Outflow   Evap.   Precip.   Content	BOX BUTTE RESERVOIR	

NOTE - Acres irrigated 1995: Mirage Flats Canal -

# SANDHILLS DIVISION

		MERRITT						
			100		End of	AINSWORTH CANAL		
Month	Inflow (AF)	Outflow (AF)	Gross Evap. (AF)	Precip. (Inches)	Month Content (AF)	Release To Canal (AF)	Delivered To Farms (AF)	
Jan.	14,443	14,202	241	0.00	68,831	0	0	
Feb.	13,396	13,091	305	0.63	68,831	0	0	
Mar.	15,151	13,329	427	1.31	70,226	0	0	
Apr.	18,316	12,734	733	4.47	75,075	0	0	
May	23,158	21,114	570	7.84	76,549	0	0	
June	19,406	20,281	1,188	4.31	74,486	3,070	83	
July	14,275	29,950	1,359	2.18	57,452	26,970	18,607	
Aug.	15,058	30,674	910	0.79	40,926	27,706	19,842	
Sep.	14,907	13,813	378	1.11	41,642	10,654	8,308	
Oct.	18,998	2,085	620	4.04	57,935	0	0	
Nov.	16,296	4,967	433	0.52	68,831	0	0	
Dec.	14,519	14,200	319	0.07	68,831	0	0	
TOTAL		190,440	7,483	27.27	11815	68,400	46,840	
	NOTE - Acres irr	igated 1995:	Ainsworth	Canal -	34,208 a	cres.		

	SARGENT UNIT MIDDLE LOUP UNIT MIDDLE LOUP PUBLIC		650.0	MIDDLE LOUP DIVISION SHERMAN			FARWELL UNIT					
Month	Diversions To Canal (AF)	T CANAL Delivered To Farms (AF)		To Sherman Feeder Cana (AF	1	Inflow (AF)	Outflow (AF)	Gross Evap. (AF)	Precip.	End of Month Content (AF)	Release To Canals (AF)	A SECTION AND PROPERTY AND PARTY.
Jan.	0	0	0	0	Jan.	614	1,309	259	0.30	51,768	0	0
Feb.	0	0	0	0	Feb.	900	1,291	320	0.51	51,057	0	0
Mar.	0	0	0	0	Mar.	1,396	1,309	560	3.17	50,584	0	0
Apr.	0	0	0	2916	Apr.	2,685	1,303	909	3.17	51,057	0	0
May	0	0	3,521	20,966	May	20,318	1,533	477	7.18	69,365	0	0
June	470	0	3.564	14,115	June	11,359	10,403	1,245	2.54	69,076	8,832	104
July	9,166	5,581	11,827	18,040	July	18,090	34,911	1,435	2.42	50,820	33,573	20,889
Aug.	9.374	7,290	10.022	18,780	Aug.	16,695	33,509	901	1.78	33,105	32,436	24,378
Sep.	3,850	2,779	7.344	21,769	Sep.	19,825	11,863	546	2.51	40,521	10,677	7,771
Oct.	0	0	0	16,213	Oct.	15,207	1,083	704	0.99	53,941	0	0
Nov.	0	0	0	0	Nov.	744	1,303	416	0.49	52,966	0	0
Dec.	0	0	0	0	Dec.	110	1,309	236	0.17	51,531	0	0
TOTAL NOTE-A	22,860 Acres irrigated 1	15,650 1995: San	36,278 gent Canal 13,909	112,799 acres (Est.)		107,943 Middle Loup P	101,126	8,008 14,302	25.23 acres; Farw	-	85,518 49,400	53,142 acres.

			OUP DIVISI		187.050	Release to	ABOVE DAVIS CREEK		
Month	Inflow (AF)	Outflow (AF)	Gross Evap. (AF)	Precip.	End of Month Content (AF)		Release To Canal (AF)	DAN CANAl Canal Use (AF)	Delivered To Farms (AF)
Jan.	20,684	20,442	410	0.59	94,546	784	0	0	0
Feb.	19,258	14,339	518	1.02	98,947	660	0	0	0
Mar.	21,644	9,765	964	3.25	109,862	398	0	0	0
Apr.	31,727	11,818	1,704	3.46	128,067	898	8	0	0
May	52,601	48,300	1,401	7.70	130,967	660	1,156	0	0
June	34,666	36,226	1,648	3.62	127,759	531	18,203	3,090	160
July	29,726	49,896	2,445	1.50	105,144	627	27,224	15,842	12,437
Aug	24,788	48,603	2,011	3.21	79,318	628	27,239	14,444	9,439
Sep.	23,435	34,249	1,030	4.65	67,474	689	11,469	6,470	4,192
Oct.	21,586	4,465	1.034	2.12	83,561	504	0	0	0
Nov.	21,702	3,626	637	0.71	101,000	285	0	0	0
Dec.	16.289	8,321	402	0.29	108,566	324	0	0	0
TOTAL	318,106 Acres irrigated	290,050	14,204	32.12 23,795	acres.	6,988	85,299	39,846	26,228

Month		H LOUP DIV			BELOW DAVIS CREEK FULLERTON CANAL		
	Inflow (AF)	Outflow (AF)	Gross Evap. (AF)	Precip. (Inches)	End of Mo. Content (AF)	Release To Canal (AF)	To Farms (AF)
Jan.	25	274	45	0.66	8,091	0	0
Feb.	15	256	54	0.43	7,796	0	0
Mar.	109	242	94	2.98	7,569	0	0
Apr.	2,663	254	165	2.24	9,813	0	0
May	15,032	2,140	175	7.89	22,530	284	0
June	13,134	3,842	493	3.06	31,329	2,182	0
July	11,021	15,402	596	1.04	26,352	13,244	9,374
Aug.	11,774	15,467	405	2.42	22,254	13,452	10,668
Sep.	3,387	4,736	256	1.47	20,649	4,681	2,511
Oct.	246	801	243	2.35	19,851	0	0
Nov.	47	726	128	0.72	19,044	0	0
Dec.	0	686	73	0.00	18,285	0	0
TOTAL NOTE - Ad	57,453 cres irrigated 19	44,826 995: Fullerto	2,727 n Canal	25.26 17,977	acres.	33,843	22,553

TABLE 2 SUMMARY OF 1995 OPERATIONS

#### UPPER REPUBLICAN DIVISION ARMEL UNIT

BONNY RESERVOIR

		13			End of	Outflow
			Gross		Month	To Hale
	Inflow	Outflow	Evap.	Precip.	Content	Ditch
Month	(AF)	(AF)	(AF)	(Inches)	(AF)	(AF)
Jan.	1,371	369	176	0.59	38,311	0
Feb.	1,031	333	230	0.42	38,779	0
Mar.	1,552	369	318	1.11	39,644	0
Apr.	2,007	357	423	3.33	40,871	0
May	2,351	569	492	3.88	42,161	0
June	4,855	1,561	1,153	4.45	44,302	0
July	1,516	3,356	1,392	3.63	41,070	0
Aug.	323	369	1,323	0.90	39,701	0
Sep.	28	865	770	1.36	38,094	511
Oct.	503	1,364	470	1.03	36,763	877
Nov.	1,392	1,323	353	0.48	36,479	847
Dec.	1,204	1,002	221	0.00	36,460	510
TOTAL	18,133	11,837	7,321	21.18		2,745

# TABLE 2 SUMMARY OF 1995 OPERATIONS

### FRENCHMAN-CAMBRIDGE DIVISION FRENCHMAN UNIT

		ENDERS R	ESERVOIR						
					End of	CULBERTS	ON CANAL	CULBERTSON	EXT.CANAL
Month	Inflow (AF)	Outflow (AF)	Gross Evap. (AF)	Precip. (Inches)		Diversions To Canal (AF)	Delivered To Farms (AF)	Diversions To Canal (AF)	Delivered To Farms (AF)
Jan.	1,634	61	86	0.40	26,147	0	0	0	0
Feb.	1,078	56	116	0.14	27,053	0	0	0	0
Mar.	1,634	61	186	1.79	28,440	0	0	0	0
Apr.	1,878	60	284	2.56	29,974	0	0	0	0
May	1,924	61	330	3.06	31,507	1,706	303	0	0
June	1,669	60	717	3.57	32,399	2,375	1,642	0	0
July	2,493	8,444	611	2.01	25,837	2,604	2,143	5,853	2,197
Aug.	705	7,628	542	0.15	18,372	2,738	236	5,920	3,113
Sep.	1,511	60	253	1.94	19,570	104	0	251	33
Oct.	1,316	61	152	1.92	20,673	0	0	0	0
Nov.	1,647	60	179	0.47	22,081	0	0	0	0
Dec.	1,422	61	108	0.01	23,334	0	0	0	0
TOTAL	18,911	16,673	3,564	18.02	0	9,527	4,324	12,024	5,343
NOTE: Acre	es irrigated 199	5: Culbertson	Canal	8,580 ac	cres (Est.)	Culbertson Ex	tension Canal	- 11,020 8	acres (Est.)

## FRENCHMAN-CAMBRIDGE DIVISION (Continued) MEEKER-DRIFTWOOD UNIT

		S	WANSON LA	KE					
					End of	MEEKER-D	RIFTWOOD	BARTLEY	CANAL
Month	Inflow (AF)	Outflow (AF)	Gross Evap. (AF)	Precip. (Inches)	Month Content (AF)	Release To Canal (AF)	Delivered To Farms (AF)	Diversions To Canal (AF)	Delivered To Farms (AF)
Jan.	5,694	61	310	1.00	90,440	0	0	0	0
Feb.	4,850	56	420	0.13	94,814	0	0	0	0
Mar.	6,405	61	665	1.25	100,493	0	0	0	0
Apr.	9,234	60	1,060	2.96	108,607	0	0	0	0
May	13,029	61	1,134	5.78	120,441	0	0	0	0
June	10,217	2,039	2,556	2.98	126,063	1,988	0	869	0
July	8,197	19,823	2,861	2.44	111,576	13,833	6,884	4,109	2,810
Aug.	2,540	26,225	2,901	1.14	84,990	15,363	9,697	4,523	3,833
Sep.	769	9,275	1,462	1.95	75,022	4,187	2,868	1,176	819
Oct.	768	61	1,023	1.53	74,706	0	0	0	0
Nov.	3,959	60	668	0.39	77,937	0	0	0	0
Dec.	3,752	61	390	0.00	81,238	0	0	0	0
TOTAL NOTE:	69,414 Acres irrigated	57,843 1995: Mee	15,450 ker-Driftwood	21.55 Canal -	16,533	35,371 acres;	19,449 Bartley Canal -	10,677 6,466	7,462

# FRENCHMAN-CAMBRIDGE DIVISION (Continued) RED WILLOW UNIT

	-	HUGH BUTL	ER LAKE				
					End of	RED WILL	OW CANAL
Month	Inflow (AF)	Outflow (AF)	Gross Evap. (AF)	Precip. (Inches)	Month Content (AF)	Diversions To Canal (AF)	To Farms (AF)
Jan.	1,482	246	97	0.22	33,943	0	0
Feb.	1,047	222	137	0.06	34,631	0	0
Mar.	1,382	246	215	0.73	35,552	0	0
Apr.	2,282	238	354	2.24	37,242	0	0
May	2,481	246	368	5.18	39,109	0	0
June	1,736	952	834	2.28	39,059	635	0
July	1,562	4,253	958	0.85	35,410	3,522	2,358
Aug.	991	4,201	1,048	0.34	31,152	3,553	2,706
Sep.	905	1,587	519	2.19	29,951	1,264	920
Oct.	926	246	351	1.31	30,280	0	0
Nov.	1,137	238	225	0.12	30,954	0	0
Dec.	882	246	125	0.00	31,465	0	0
TOTAL	16,813	12,921	5,231	15.52		8,974	5,984
NOTE	Acres irriga	ted 1995:	Red Willow	Canal -	5,020	acres.	

# FRENCHMAN-CAMBRIDGE DIVISION (Continued) CAMBRIDGE UNIT

				CAMIDAIDGE	UNII		
	H	ARRY STR	UNK LAKE				
Month	Inflow (AF)	Outflow (AF)	Gross Evap. (AF)	Precip.	End of Month Content (AF)	Diversions To Canal (AF)	GE CANAL Delivered To Farms (AF)
Jan.	3,339	61	102	0.26	31,230	0	0
Feb.	2,998	56	145	0.05	34,027	0	0
Mar.	3,266	2,261	237	1.79	34,795	0	0
Apr.	4,261	1,274	561	2.21	37,221	0	0
May	5,306	2,561	467	6.36	39,499	0	0
June	4,309	4,225	1,051	1.77	38,532	3,023	58
July	2,867	12,347	1,131	1.94	27,921	12,240	7,786
Aug.	1,665	13,841	885	0.59	14,860	13,194	10,124
Sep.	2,360	2,682	354	3.26	14,184	3,291	2,272
Oct.	2,464	61	122	0.69	16,465	0	0
Nov.	2,873	60	167	0.31	19,111	0	0
Dec.	2,658	61	95	0.00	21,613	0	0
TOTAL	38,366	39,490	5,317	19.23	-	31,748	20,240
NOT	E Acres irrig	ated 1995:	Cambridge (	Canal -	17,204	acres.	

#### TABLE 2 SUMMARY OF 1995 OPERATIONS

#### KANASKA DIVISION ALMENA UNIT

THETAPE

		KEITH SEBEI	LIUS LAKE					
-					End of	Release	ALMENA	CANAL
Month	Inflow (AF)	Outflow (AF)	Gross Evap. (AF)	Precip. (Inches)	Month Content (AF)	To City Of Norton (AF)	Diversions To Canal (AF)	Delivered To Farms (AF)
Jan.	565	17	113	0.55	25,651	17	0	0
Feb.	425	19	145	0.06	25,912	19	0	0
Mar.	1,013	20	244	2.81	26,661	20	0	0
Apr.	911	25	502	2.14	27,045	25	0	0
May	4,899	26	526	14.33	31,392	26	351	0
June	1,322	54	985	1.42	31,675	54	329	0
July	977	2,575	1,276	1.64	28,801	86	2,117	1,041
Aug.	490	2,305	1,317	0.35	25,669	74	2,073	997
Sep.	33	40	663	1.71	24,999	40	95	0
Oct.	0	45	558	0.36	24,396	45	0	0
Nov.	348	26	271	0.22	24,447	26	0	0
Dec.	231	24	141	0.00	24,513	24	0	0
TOTAL	11,214	5,176	6,741	25.59		456	4,965	2,038
NOTE: Acre	s irrigated 19	995: Almena	Canal -	5,576	acres (Est.)			

#### BOSTWICK DIVISION FRANKLIN UNIT

	HA	ARLAN CO	UNTY LAKE						
	Data	a from Corp	os of Engine	ers	End of	FRANKLII	CANAL	NAPONE	E CANAL
			Gross		Month	Release	Delivered	Release	Delivered
	Inflow	Outflow	Evap.	Precip.	Content	To Canal	To Farms	To Canal	To Farms
Month	(AF)	(AF)	(AF)	(Inches)	(AF)	(AF)	(AF)	(AF)	(AF)
Jan.	11,798	435	976	0.17	295,685	0	0	0	0
Feb.	11,308	555	944	0.07	305,494	0	0	0	0
Mar.	17,040	179	1,305	1.50	321,050	0	0	0	0
Apr.	17,530	0	2,487	1.94	336,093	0	0	0	0
May	62,206	13,479	2,707	11.02	382,113	0	0	0	0
June	29,336	52,363	5,371	1.65	353,715	2,236	44	156	54
July	16,106	53,996	7,734	1.77	308,091	13,828	4,951	1,324	676
Aug.	10,066	45,913	7,732	1.19	264,512	13,334	5,166	1,423	730
Sep.	7,795	16,260	4,616	2.14	251,431	6,314	2,392	282	159
Oct.	4,612	2	4,836	0.33	251,205	0	0	0	0
Nov.	7,041	0	825	0.33	257,421	0	0	0	0
Dec.	6,962	0	823	0.00	263,560	0	0	0	0
TOTAL	201,800	183,182	40,356	22.11	-	35,712	12,553	3,185	1,619
NOTE:	Acres irrigated 1995	: Franklin	Canal -	11,196	acres; Napone	ee Canal -	1,618 a		

### BOSTWICK DIVISION (Continued) SUPERIOR-COURTLAND UNIT

						COU	RTLAND CANAL -	ABOVE LO	VEWELL
	FRANKLIN PUM	P CANA	L SUPERIO	R CANAL		NEBRA	ASKA USE	KAN	SAS USE
	The state of the s	elivered o Farms	Diverted To Canal	Delivered To Farms	Total Diversion	1	Delivered To Farms	Diversion To Canal	1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Month	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)
Jan.	0	0	0	0	0	0	0	0	0
Feb.	0	0	0	0	0	0	0	0	0
Mar.	0	0	0	0	0	0	0	0	0
Apr.	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0
June	0	0	1,001	52	3,629	1	1	1,687	13
July	1,517	816	8,083	3,255	25,096	1,198	879	18,510	8,250
Aug.	1,764	907	6,337	2,427	24,418	703	547	11,193	6,073
Sep.	682	320	1,851	495	13,800	257	139	2,246	1,085
Oct.	0	0	0	0	2,700	0	0	0	0
Nov.	0	0	0	0	0	0	0	0	0
Dec.	0	0	0	0	0	0	0	0	0
TOTAL	3,963	2,043	17,272	6,229	69,643	2,159	1,566	33,636	15,421
NOTE:	Acres irrigated	1 1995:	Franklin Pump	Canal -	2,106	acres;	Superior Canal -	5,800	acres.

Courtland Canal-Nebraska use - 2,067 acres.
Courtland Canal-Kansas use - 10,792 acres (Est.)

#### BOSTWICK DIVISION (Continued) COURTLAND UNIT LOVEWELL RESERVOIR

			POATARTE	IVEOFIVA OUV					
-	Est. Flow	Inflow					End of	COURTLA	ND (Below)
Month	from White Rock Creek (AF)	from Courtland 34.8 (AF)	Total Inflow (AF)	Outflow (AF)	Gross Evap. (AF)	Precip.	Month Content (AF)	Release To Canal (AF)	Delivered To Farms (AF)
Jan.	1.571	3,490	5,061	6	145	1.31	35,880	0	(///)
Feb.	1,848	2,060	3,908	11	207	0.12	39,570	0	0
Mar.	1,704	0	1,704	12	372	1.31	40,890	0	0
Apr.	1,862	0	1,862	18	594	2.07	42,140	0	0
May	15,455	0	15,455	630	665	7.21	56,300	484	0
June	3,665	837	4,502	8,363	1,339	1.86	51,100	2,176	11
July	2,322	3,813	6,135	18,546	1,339	1.28	37,350	18,839	11,613
Aug.	3,712	10,199	13,911	20,173	1,078	3.76	30,010	19,603	12,454
Sep.	635	9,450	10,085	5,966	519	2.55	33,610	5,391	2,975
Oct.	589	1,990	2,579	12	507	0.68	35,670	0	0
Nov.	988	0	988	12	406	0.57	36,240	0	0
Dec.	1,275	0	1,275	6	189	0.43	37,320	0	0
TOTAL	35,626	31,839	67,465	53,755	7,360	23.15	_	46,493	27,053
NOTE	Acree irrin	ated 1005	Courtland	Canal below	Lovewell -	24 141	acres (Est )		

#### TABLE 2 SUMMARY OF 1995 OPERATIONS

#### SOLOMON DIVISION KIRWIN UNIT

			KIRWIN RE	SERVOIR				
						End of	KIRWIN	CANAL
Month		Inflow (AF)	Outflow (AF)	Gross Evap. (AF)	Precip. (Inches)	17,173000000	Release To Canal (AF)	To Farms (AF)
Jan.		3,284	0	324	0.86	101,640	0	0
Feb.		2,616	0	456	0.03	103,800	0	0
Mar.		3,580	0	730	1.26	106,650	0	0
Apr.		3,671	0	1,321	1.44	109,000	0	0
May		44,367	8,019	1,453	13.46	143,895	0	0
June		14,775	27,043	2,887	1.33	128,740	1,264	4
July		5,003	21,743	3,480	1.16	108,520	9,518	3,879
Aug.		3,686	8,987	3,069	2.91	100,150	9,322	5,160
Sep.		3,628	1,801	1,567	5.23	100,410	1,647	734
Oct.		1,246	0	1,306	0.10	100,350	0	0
Nov.		2,717	0	817	0.39	102,250	0	0
Dec.		2,510	0	430	0.14	104,330	0	0
TOTAL		91,083	67,593	17,840	28.31	C (100 )	21,751	9,777
NOTE:	Acres	irrigated	1995: Kirwin	Canal -	8.072	acres.		

#### SOLOMON DIVISION (Continued) TIP

WEBSTER	UN

	V	VEBSTER RE	SERVOIR				
					End of	<b>OSBORN</b>	E CANAL
Month	Inflow (AF)	Outflow (AF)	Gross Evap. (AF)	Precip. (Inches)	Month Content (AF)	Diversions To Canal (AF)	To Farms (AF)
Jan.	3,303	0	298	1.40	85,410	0	0
Feb.	2,616	1,825	351	0.15	85,850	0	0
Mar.	3,275	2,567	588	1.05	85,970	0	0
Apr.	3,533	2,380	1,113	1.39	86,010	0	0
May	70,933	12,077	1,316	15.38	143,550	0	0
June	35,718	54,254	2,710	2.12	122,304	2,138	0
July	25,357	56,650	2,604	1.80	88,407	6,583	1,526
Aug.	3,118	11,197	2,387	1.19	77,941	6,153	2,624
Sep.	2,374	1,591	1,315	3.99	77,409	1,285	605
Oct.	1,432	0	1,166	0.07	77,675	0	0
Nov.	2,827	0	622	0.29	79,880	0	0
Dec.	2,948	0	346	0.00	82,482	0	0
TOTAL	157,434	142,541	14,816	28.83	-	16,159	4,755
NOTE: AC	res irrigated 19	95: Osborn	e Canal -	4,551 a	cres.		

#### SOLOMON DIVISION (Continued) GLEN ELDER UNIT

		WACONDA	LAKE							
							OUTFLOW	TO RIVER		
					ches) (AF)	City of B	eloit	MA HIRON	Other	Release To
Month	Inflow (AF)	Outflow (AF)	Gross Evap. (AF)	Precip. (Inches)		Storage Release (AF)	Quality Bypass (AF)	Irrigation District (AF)	Controlled Releases (AF)	Mitchell Co. RWD No. 2 (AF)
Jan.	15,075	16,923	726	1.53	218,620	0	0	0	16,866	57
Feb.	11,758	11,160	950	0.10	218,268	0	0	0	11,108	52
Mar.	15,747	12,357	1,634	1.12	220,024	0	0	0	12,297	60
Apr.	15,074	4,459	3,517	1.80	227,122	0	0	0	4,403	56
May	208,645	28,360	4,152	10.20	403,255	0	0	0	28,314	46
June	119,327	122,238	8,655	2.41	391,689	0	0	0	122,188	50
July	75,283	123,037	10,788	2.54	333,147	0	0	0	122,976	61
Aug.	27,560	113,303	9,462	2.48	237,942	0	0	322	112,912	69
Sep.	16,564	26,503	4,767	2.19	223,236	0	490	1,226	24,726	61
Oct.	9,456	1,291	4,279	0.51	227,122	0	1,230	0	0	61
Nov.	12,122	1,253	1,933	0.48	236,058	0	1,191	0	0	62
Dec.	11,667	4,414	972	0.44	242,339	0	767	0	3,585	62
TOTAL	538,278	465,298	51,835	25.80	-	0	3,678	1,548	459,375	697

CHOKA PILL	DIVISION
SMOKY HILL	NOISIVIU.
FILLS	LIBRET

			C	EDAK BLUFF	KESEKVOIK		
	Inflow	Outflow	Gross Evap.	Precip.	End of Month Content	(307)	Release To Fish Hatchery
Month	(AF)	(AF)	(AF)	(Inches)	(AF)		(AF)
Jan.	694	0	298	1.39	69,640		0
Feb.	625	0	328	0.28	69,937		0
Mar.	857	0	527	1.08	70,267		0
Apr.	696	0	1,125	1.39	69,838		0
May	22,840	0	918	8.79	91,760		0
June	8,149	0	2,239	2.98	97,670		0
July	2,937	0	2,727	2.80	97,880		0
Aug.	1,337	0	3,107	3.10	96,110		0
Sep.	397	0	1,667	1.49	94,840		0
Oct.	0	0	2,300	0.20	92,540	70.5	0
Nov.	4	0	704	0.24	91,840	Vien b	0
Dec.	237	0	397	0.42	91,680		0
TOTAL	38,773	0	16,337	24.16		No.	0
	No releases we	ere made for	the City of R	ussell, Kansas	3.		

### TABLE 3

### ACRES IRRIGATED IN 1995 AND ESTIMATES FOR 1996

			Estimated
	Acres With	Acres	Acres to be
	Service	Irrigated	Irrigated
Irrigation District and Canal	Available	in 1995*	in 1996
Mirage Flats Irrigation District			
Mirage Flats Canal	11,662	10,371	11,000
Ainsworth Irrigation District		to the second	
Ainsworth Canal	34,539	34,208	34,000
Sargent Irrigation District	0.,000	3,,200	,
Sargent Canal	13,922	13,909	13,800
Farwell Irrigation District	10,022	10,000	10,000
Farwell Canal	50,051	49,400	49,000
Twin Loups Irrigation District	00,001	10,100	10,000
Above Davis Creek	31,817	23,795	23,890
Below Davis Creek	21,183	17,977	19,160
Total Twin Loups Irrigation District	53,000	41,772	43,050
Total Twill Loups Imgation District	33,000	41,772	45,050
Frenchman Valley Irrigation District		P E	F. 1
Culbertson Canal	9,600	8,580	8,600
H & RW Irrigation District			
Culbertson Extension Canal	11,490	11,020	11,050
Frenchman-Cambridge Irrigation District			
Meeker-Driftwood Canal	16,476	16,533	16,400
Red Willow Canal	4,932	5,020	4,900
Bartley Canal	6,539	6,466	6,500
Cambridge Canal	17,053	17,204	17,000
Total Frenchman-Cambridge Irrigation District	45,000	45,223	44,800
Almena Irrigation District			
Almena Canal	5,763	5,576	5,500
Bostwick Irrigation District in Nebraska			
Franklin Canal	11,116	11,196	11,100
Naponee Canal	1,737	1,618	1,700
Franklin Pump Canal	2,091	2,106	2,000
Superior Canal	5,863	5,800	5,800
Courtland Canal (Nebraska)	1,980	2,067	1,900
Total Bostwick Irrigation Dist. in Nebraska	22,787	22,787	22,500
Kansas-Bostwick Irrigation District			
Courtland Canal above Lovewell	13,550	10,792	12,200
Courtland Canal below Lovewell	28,338	24,141	26,800
Total Kansas-Bostwick Irrigation District	41,888	34,933	39,000
Kirwin Irrigation District	STATE STREET	2222	2012020
Kirwin Canal	11,435	8,072	8,000
Webster Irrigation District	7272.00		
Osborne Canal	8,500	4,551	5,000
Glen Elder Irrigation District	6,000	5,400	5,400
TOTAL PROJECT USES	325,637	295,802	300,700
Non-Project Uses			
Middle Loup Public Power & Irrig. Dist. Canals	15,000	14,302	14,300
Hale Ditch	700	700	700
TOTAL NON-PROJECT USES	15,700	15,002	15,000
TOTAL PROJECT AND NON-PROJECT *Acres not recorded in 1995 - estimated by irrigation distri	341,337 cts.	310,804	315,700

					REL	EASE	RESERVOIR	REQUIREMENT	END OF	MONTH	RESERVOIR
	INF	FLOW	EVAPORA	TION	REQUI	REMENT	SPILL	SHORTAGE	ELEV	CONT	CHANGE
	MEAN	1000		1000	MEAN	1000	1000	1000		1000	1000
MONTH	CFS	AF	INCHES	AF	CFS	AF	AF	AF	FT	AF	AF
				R	EASONABLE	MINIMUM	INFLOW CONDITI	ONS			
JAN	18.	1.1	1.06	.1	2.	.1	.0	. 0	3993.4	13.5	.9
FEB	25.	1.4	1.32	.1	2.	.1	.0	. 0	3994.6	14.7	1.2
MAR	33.	2.0	2.33	.2	2.	.1	.0	. 0	3996.2	16.4	1.7
APR	25.	1.5	3.79	. 4	2.	.1	.0	. 0	3997.1	17.4	1.0
MAY	11.	.7	5.79	.6	2.	.1	.0	. 0	3997.1	17.4	14.0
JUN	0.	. 0	7.12	.6	173.	10.3	. 0	. 0	3985.0	6.5	-10.9
JUL	0.	.0	7.68	.3	226.	13.9	.0	10.5	3978.0	2.8	-3.7
AUG	10.	.6	6.67	. 2	226.	13.9	.0	13.5	3978.0	2.8	.0
SEP	8.	.5	5.80	. 2	64.	3.8	.0	3.5	3978.0	2.8	.0
OCT	11.	.7	3.08	.1	2.	.1	. 0	. 0	3979.1	3.3	.5
NOV	22.	1.3	1.67	.1	2.	. 1	.0	. 0	3981.3	4.4	1.1
DEC	21.	1.3	.97	.0	2.	.1	.0	. 0	3983.5	5.6	1.2
TOTAL		11.1	47.28	2.9		42.7	.0	27.5			-7.0
					MOST PRO	BABLE INF	LOW CONDITIONS	1			
JAN	24.	1.5	1.06	.1	2.	.1	. 0	. 0	3993.8	13.9	1.3
FEB	32.	1.8	1.32	.1	2.	.1	.0	. 0	3995.3	15.5	1.6
MAR	44.	2.7	2.33	. 2	2.	.1	.0	. 0	3997.5	17.9	2.4
APR	37.	2.2	3.79	. 4	2.	.1	.0	. 0	3998.9	19.6	1.7
MAY	29.	1.8	4.63	. 5	2.	.1	.0	. 0	3999.8	20.8	1.2
JUN	5.	. 3	5.69	.6	34.	2.0	.0	. 0	3998.0	18.5	-2.3
JUL	2.	.1	6.40	.5	221.	13.6	. 0	.0	3981.5	4.5	-14.0
AUG	21.	1.3	5.75	.2	216.	13.3	.0	10.5	3978.0	2.8	-1.7
SEP	24.	1.4	4.17	.1	35.	2.1	.0	. 8	3978.0	2.8	.0
OCT	26.	1.6	3.08	.1	2.	.1	. 0	. 0	3981.0	4.2	1.4
NOV	32.	1.9	1.67	.1	2.	.1	.0	.0	3984.0	5.9	1.7
DEC	28.	1.7	.97	.1	2.	.1	.0	.0	3986.3	7.4	1.5
TOTAL		18.3	40.86	3.0		31.8	.0	11.3			-5.2
				R	EASONABLE	MAXIMUM	INFLOW CONDITI	ONS			
JAN	33.	2.0	1.06	.1	2.	.1	. 0	.0	3994.3	14.4	1.8
FEB	43.	2.4	1.32	. 1	2.	.1	. 0	. 0	3996.3	16.6	2.2
MAR	55.	3.4	2.33	. 2	2.	.1	.0	. 0	3999.0	19.7	3.1
APR	50.	3.0	3.79	. 4	2.	.1	. 0	. 0	4000.9	22.2	2.5
MAY	44.	2.7	3.02	. 3	2.	.1	. 0	. 0	4002.6	24.5	2.3
JUN	101.	6.0	4.19	. 5	18.	1.1	. 0	. 0	4005.6	28.9	4.4
JUL	54.	3.3	4.94	.6	185.	11.4	. 0	. 0	3999.4	20.2	-8.7
AUG	36.	2.2	4.37	. 4	177.	10.9	. 0	. 0	3990.9	11.1	-9.1
SEP	32.	1.9	2.67	. 2	20.	1.2	. 0	. 0	3991.5	11.6	1 ma. 5
OCT	33.	2.0	3.08	. 2	2.	.1	. 0	.0	3993.2	13.3	1.7
NOV	42.	2.5	1.67	.1	2.	.1	. 0	.0	3995.4	15.6	2.3
DEC	33.	2.0	.97	.1	2.	.1	.0	.0	3997.1	17.4	1.8
TOTAL		33.4	33.41	3.2		25.4	. 0	. 0			4.8

TINFLOW   EVAPORATION   CANAL   RIVER   TOTAL   SPILL   SHORTAGE   SLEV   CON-   MEAN   1000   1000   1000   1000   1000   1000   1000   1000   1000     MONTH   CFS   AF   INCHES   AF   AF   AF   AF   AF   AF   AF   A	1000 AF  3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
MONTH   CFS   AF	AF  3 .0 .0 .0 .2.8 .8 .2.1 .0 .1 .25.4 .24.4 .2.1 .12.2 .11.5 .11.4
TREASONABLE MINIMUM INFLOW CONDITIONS  JAN 200. 12.3	3 .0 .0 .0 .0 .0 .0 .0
JAN 200. 12.3	3 .0 2.8 .8 5 2.1 .0 1 -25.4 7 -24.4 2.1 12.2 5 11.5
FEB 218. 12.1 1.33 .3 .0 11.8 212. 11.8 .0 .0 2944.0 68.0  MAR 229. 14.1 1.85 .4 .0 10.9 177. 10.9 .0 .0 2945.0 71.4  APR 224. 13.3 3.08 .7 .0 11.8 198. 11.8 .0 .0 .0 2945.3 72.4  APR 224. 13.3 3.08 .7 .0 11.8 198. 11.8 .0 .0 .0 2945.3 72.4  MAY 213. 13.1 5.45 1.3 5.1 4.6 158. 9.7 .0 .0 .0 2946.0 74.3  JUN 213. 13.1 7.11 1.5 36.0 1.0 602. 37.0 .0 .0 2946.0 74.3  JUL 213. 13.1 7.11 1.5 36.0 1.0 602. 37.0 .0 .0 2920.4 24.5  AUG 210. 12.9 6.27 .9 35.4 1.0 592. 36.4 .0 .0 2920.4 24.5  OCT 221. 13.6 3.50 .4 .0 1.0 16. 1.0 .0 .0 .0 2930.6 39.4  NOV 215. 12.8 2.00 .3 .0 1.0 16. 1.0 .0 .0 .0 2936.6 50.4  DEC 207. 12.7 1.39 .3 .0 1.0 16. 1.0 .0 .0 .0 2941.4 61.5  TOTAL 155.1 44.47 8.3 92.1 58.2 150.3 3.4 .0   MOST PROBABLE INFLOW CONDITIONS  JAN 228. 14.0 1.05 .2 .0 13.8 224. 13.8 .0 .0 2944.0 68.  FEB 243. 13.5 1.33 .3 .0 13.2 238. 13.2 .0 .0 2944.0 68.  FEB 243. 13.5 1.33 .3 .0 13.2 238. 13.2 .0 .0 2944.0 68.  MAR 262. 16.1 1.85 .4 .0 12.9 210. 12.9 .0 .0 2945.0 71.  APR 266. 15.8 3.08 .7 .0 15.1 254. 15.1 .0 .0 2945.0 71.  APR 266. 15.8 3.08 .7 .0 15.1 254. 15.1 .0 .0 2946.0 74.  JUN 240. 14.3 5.29 1.3 5.8 1.0 114. 6.8 6.2 .0 2946.0 74.  JUN 240. 14.3 5.29 1.3 5.8 1.0 114. 6.8 6.2 .0 2946.0 74.  JUL 239. 14.7 6.13 1.4 26.5 1.0 447. 27.5 .0 .0 2944.0 68.  SEP 249. 14.8 4.19 .7 9.2 1.0 171. 10.2 .0 .0 2942.3 64.  NOV 237. 14.1 2.00 .4 .0 9.1 153. 9.1 .0 .0 2944.0 68.  DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 .0 2944.0 68.	3 .0 2.8 .8 5 2.1 .0 1 -25.4 7 -24.4 2.1 12.2 5 11.5
MAR 229. 14.1 1.85 .4 .0 10.9 177. 10.9 .0 .0 2945.0 71.4  APR 224. 13.3 3.08 .7 .0 11.8 198. 11.8 .0 .0 2945.3 72.4  MAY 213. 13.1 5.45 1.3 5.1 4.6 158. 9.7 .0 .0 2946.0 74.4  JUN 213. 12.7 6.22 1.5 6.8 1.0 131. 7.8 3.4 .0 2946.0 74.4  JUL 213. 13.1 7.11 1.5 36.0 1.0 602. 37.0 .0 .0 2935.9 49.1  AUG 210. 12.9 6.27 .9 35.4 1.0 592. 36.4 .0 .0 2920.4 24.  SEP 208. 12.4 5.22 .5 8.8 1.0 165. 9.8 .0 .0 2922.2 26.1  OCT 221. 13.6 3.50 .4 .0 1.0 16. 1.0 .0 .0 .0 2936.6 50.1  DEC 207. 12.7 1.39 .3 .0 1.0 17. 1.0 .0 .0 .0 2936.6 50.1  DEC 207. 12.7 1.39 .3 .0 1.0 16. 1.0 .0 .0 2941.4 61.1  TOTAL 155.1 44.47 8.3 92.1 58.2 150.3 3.4 .0   MOST PROBABLE INFLOW CONDITIONS  JAN 228. 14.0 1.05 .2 .0 13.8 224. 13.8 .0 .0 2944.0 68.  FEB 243. 13.5 1.33 .3 .0 13.2 238. 13.2 .0 .0 2944.0 68.  FEB 246. 15.8 3.08 .7 .0 15.1 254. 15.1 .0 .0 2945.0 71.  MAY 249. 15.3 4.19 1.0 2.7 8.7 185. 11.4 .0 .0 2946.0 74.  JUN 240. 14.3 5.29 1.3 5.8 1.0 114. 6.8 6.2 .0 2946.0 74.  JUL 239. 14.7 6.13 1.4 26.5 1.0 447. 27.5 .0 .0 2946.0 74.  JUL 239. 14.7 6.13 1.4 26.5 1.0 447. 27.5 .0 .0 2940.7 60.  AUG 246. 15.1 5.16 1.0 26.9 1.0 454. 27.9 .0 .0 2934.6 66.  SEP 249. 14.8 4.19 .7 9.2 1.0 171. 10.2 .0 .0 2936.5 50.  OCT 252. 15.5 3.50 .7 .0 1.0 16. 1.0 .0 .0 2936.5 50.  OCT 252. 15.5 3.50 .7 .0 1.0 16. 1.0 .0 .0 2944.0 68.  DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 2944.0 68.	2.8 .8 .2.1 .0 .1 -25.4 .2.1 .2.1 .2.1 .3 12.2 .4 12.2 .5 11.5
APR 224. 13.3 3.08 .7 .0 11.8 198. 11.8 .0 .0 2945.3 72.4  MAY 213. 13.1 5.45 1.3 5.1 4.6 158. 9.7 .0 .0 2946.0 74.3  JUN 213. 12.7 6.22 1.5 6.8 1.0 131. 7.8 3.4 .0 2946.0 74.3  JUL 213. 13.1 7.11 1.5 36.0 1.0 602. 37.0 .0 .0 2935.9 49.  AUG 210. 12.9 6.27 .9 35.4 1.0 592. 36.4 .0 .0 .0 2920.4 24.5  SEP 208. 12.4 5.22 .5 8.8 1.0 165. 9.8 .0 .0 2922.2 26.3  OCT 221. 13.6 3.50 .4 .0 1.0 16. 1.0 .0 .0 .0 2935.6 39.  NOV 215. 12.8 2.00 .3 .0 1.0 17. 1.0 .0 .0 .0 2936.6 50.3  DEC 207. 12.7 1.39 .3 .0 1.0 16. 1.0 .0 .0 .0 2941.4 61.3  TOTAL 155.1 44.47 8.3 92.1 58.2 150.3 3.4 .0   MOST PROBABLE INFLOW CONDITIONS  JAN 228. 14.0 1.05 .2 .0 13.8 224. 13.8 .0 .0 2944.0 68.  MAR 262. 16.1 1.85 .4 .0 12.9 210. 12.9 .0 .0 2945.0 71.  APR 266. 15.8 3.08 .7 .0 15.1 254. 15.1 .0 .0 2945.0 71.  MAY 249. 15.3 4.19 1.0 2.7 8.7 185. 11.4 .0 .0 2946.0 74.  JUN 240. 14.3 5.29 1.3 5.8 1.0 114. 6.8 6.2 .0 2946.0 74.  JUL 239. 14.7 6.13 1.4 26.5 1.0 447. 27.5 .0 .0 2944.0 68.  SEP 249. 14.8 4.19 .7 9.2 1.0 171. 10.2 .0 .0 2936.5 50.  OCT 252. 15.5 3.50 .7 .0 1.0 454. 27.9 .0 .0 2934.6 64.  SEP 249. 14.8 4.19 .7 9.2 1.0 171. 10.2 .0 .0 2934.0 68.  DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 .0 2944.0 68.	8 2.1 .0 .0 .1 -25.4 .7 -24.4 .8 2.1 .12.2 .5 .11.5 .9 .11.4
MAY 213. 13.1 5.45 1.3 5.1 4.6 158. 9.7 .0 .0 2946.0 74.5  JUN 213. 12.7 6.22 1.5 6.8 1.0 131. 7.8 3.4 .0 2946.0 74.5  JUL 213. 13.1 7.11 1.5 36.0 1.0 602. 37.0 .0 .0 2935.9 49.5  AUG 210. 12.9 6.27 .9 35.4 1.0 592. 36.4 .0 .0 2920.4 24.5  SEP 208. 12.4 5.22 .5 8.8 1.0 165. 9.8 .0 .0 2922.2 26.5  OCT 221. 13.6 3.50 .4 .0 1.0 16. 1.0 .0 .0 .0 2930.6 39.5  NOV 215. 12.8 2.00 .3 .0 1.0 17. 1.0 .0 .0 .0 2936.6 50.5  DEC 207. 12.7 1.39 .3 .0 1.0 16. 1.0 .0 .0 .0 2941.4 61.5  TOTAL 155.1 44.47 8.3 92.1 58.2 150.3 3.4 .0  MOST PROBABLE INFLOW CONDITIONS  JAN 228. 14.0 1.05 .2 .0 13.8 224. 13.8 .0 .0 2944.0 68.  MAR 262. 16.1 1.85 .4 .0 12.9 210. 12.9 .0 .0 2945.0 71.  APR 266. 15.8 3.08 .7 .0 15.1 254. 15.1 .0 .0 2945.0 71.  MAY 249. 15.3 4.19 1.0 2.7 8.7 185. 11.4 .0 .0 2946.0 74.  JUN 240. 14.3 5.29 1.3 5.8 1.0 114. 6.8 6.2 .0 2946.0 74.  JUL 239. 14.7 6.13 1.4 26.5 1.0 447. 27.5 .0 .0 2934.6 68.  SEP 249. 14.8 4.19 .7 9.2 1.0 171. 10.2 .0 .0 2934.6 68.  SEP 249. 14.8 4.19 .7 9.2 1.0 171. 10.2 .0 .0 2934.6 68.  DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 .0 2944.0 68.  TOTAL 177.3 39.16 8.4 71.1 91.6 162.7 6.2 .0	2.1 .0 .25.4 .24.4 .2.1 .2.2 .3 .1.5 .1.4
JUN 213. 12.7 6.22 1.5 6.8 1.0 131. 7.8 3.4 .0 2946.0 74.5  JUL 213. 13.1 7.11 1.5 36.0 1.0 602. 37.0 .0 .0 2935.9 49.  AUG 210. 12.9 6.27 .9 35.4 1.0 592. 36.4 .0 .0 .0 2920.4 24.5  SEP 208. 12.4 5.22 .5 8.8 1.0 165. 9.8 .0 .0 .0 2922.2 26.5  OCT 221. 13.6 3.50 .4 .0 1.0 16. 1.0 .0 .0 .0 2930.6 39.5  DEC 207. 12.7 1.39 .3 .0 1.0 17. 1.0 .0 .0 .0 2931.4 61.5  TOTAL 155.1 44.47 8.3 92.1 58.2 150.3 3.4 .0  MOST PROBABLE INFLOW CONDITIONS  JAN 228. 14.0 1.05 .2 .0 13.8 224. 13.8 .0 .0 2944.0 68.  FEB 243. 13.5 1.33 .3 .0 13.2 238. 13.2 .0 .0 2944.0 68.  MAR 262. 16.1 1.85 .4 .0 12.9 210. 12.9 .0 .0 2945.0 71.  APR 266. 15.8 3.08 .7 .0 15.1 254. 15.1 .0 .0 .0 2945.0 71.  MAY 249. 15.3 4.19 1.0 2.7 8.7 185. 11.4 .0 .0 .0 2946.0 74.  JUN 240. 14.3 5.29 1.3 5.8 1.0 114. 6.8 6.2 .0 2946.0 74.  JUL 239. 14.7 6.13 1.4 26.5 1.0 447. 27.5 .0 .0 2946.0 74.  JUL 239. 14.8 4.19 .7 9.2 1.0 171. 10.2 .0 .0 2934.6 46.  SEP 249. 14.8 4.19 .7 9.2 1.0 171. 10.2 .0 .0 2934.0 68.  DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 .0 2944.0 68.  DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 .0 2944.0 68.	5 .0 -25.4 7 -24.4 8 2.1 12.2 11.5 11.4
JUL 213. 13.1 7.11 1.5 36.0 1.0 602. 37.0 .0 .0 2935.9 49  AUG 210. 12.9 6.27 .9 35.4 1.0 592. 36.4 .0 .0 .0 2920.4 24  SEP 208. 12.4 5.22 .5 8.8 1.0 165. 9.8 .0 .0 .0 2922.2 26  OCT 221. 13.6 3.50 .4 .0 1.0 16. 1.0 .0 .0 .0 2930.6 39  NOV 215. 12.8 2.00 .3 .0 1.0 17. 1.0 .0 .0 .0 2936.6 50  DEC 207. 12.7 1.39 .3 .0 1.0 16. 1.0 .0 .0 .0 2941.4 61  TOTAL 155.1 44.47 8.3 92.1 58.2 150.3 3.4 .0   MOST PROBABLE INFLOW CONDITIONS  JAN 228. 14.0 1.05 .2 .0 13.8 224. 13.8 .0 .0 2944.0 68.  FEB 243. 13.5 1.33 .3 .0 13.2 238. 13.2 .0 .0 2944.0 68.  MAR 262. 16.1 1.85 .4 .0 12.9 210. 12.9 .0 .0 2945.0 71.  APR 266. 15.8 3.08 .7 .0 15.1 254. 15.1 .0 .0 2945.0 71.  MAY 249. 15.3 4.19 1.0 2.7 8.7 185. 11.4 .0 .0 2946.0 74  JUN 240. 14.3 5.29 1.3 5.8 1.0 114. 6.8 6.2 .0 2946.0 74  JUL 239. 14.7 6.13 1.4 26.5 1.0 447. 27.5 .0 .0 2934.6 46.  SEP 249. 14.8 4.19 .7 9.2 1.0 171. 10.2 .0 .0 2936.5 50.  OCT 252. 15.5 3.50 .7 .0 1.0 16. 1.0 .0 .0 2942.3 64.  NOV 237. 14.1 2.00 .4 .0 9.1 153. 9.1 .0 .0 2944.0 68.  TOTAL 177.3 39.16 8.4 71.1 91.6 162.7 6.2 .0	-25.4 -24.4 3 2.1 12.2 11.5 11.4
AUG 210. 12.9 6.27 .9 35.4 1.0 592. 36.4 .0 .0 2920.4 24.  SEP 208. 12.4 5.22 .5 8.8 1.0 165. 9.8 .0 .0 2922.2 26.0 OCT 221. 13.6 3.50 .4 .0 1.0 16. 1.0 .0 .0 .0 2930.6 39.0 NOV 215. 12.8 2.00 .3 .0 1.0 17. 1.0 .0 .0 .0 2936.6 50.0 DEC 207. 12.7 1.39 .3 .0 1.0 16. 1.0 .0 .0 .0 2941.4 61.0 TOTAL 155.1 44.47 8.3 92.1 58.2 150.3 3.4 .0  MOST PROBABLE INFLOW CONDITIONS  JAN 228. 14.0 1.05 .2 .0 13.8 224. 13.8 .0 .0 2944.0 68. FEB 243. 13.5 1.33 .3 .0 13.2 238. 13.2 .0 .0 2944.0 68. MAR 262. 16.1 1.85 .4 .0 12.9 210. 12.9 .0 .0 2945.0 71. APR 266. 15.8 3.08 .7 .0 15.1 254. 15.1 .0 .0 2945.0 71. MAY 249. 15.3 4.19 1.0 2.7 8.7 185. 11.4 .0 .0 2946.0 74. JUN 240. 14.3 5.29 1.3 5.8 1.0 114. 6.8 6.2 .0 2946.0 74. JUL 239. 14.7 6.13 1.4 26.5 1.0 447. 27.5 .0 .0 2940.7 60. AUG 246. 15.1 5.16 1.0 26.9 1.0 447. 27.5 .0 .0 2936.5 50. OCT 252. 15.5 3.50 .7 .0 1.0 16. 1.0 .0 .0 2942.3 64. NOV 237. 14.1 2.00 .4 .0 9.1 153. 9.1 .0 .0 2942.3 64. NOV 237. 14.1 2.00 .4 .0 9.1 153. 9.1 .0 .0 2942.0 68. DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 .0 2944.0 68.	7 -24.4 3 2.1 12.2 5 11.5 9 11.4
SEF 208. 12.4 5.22 .5 8.8 1.0 165. 9.8 .0 .0 2922.2 26.0 OCT 221. 13.6 3.50 .4 .0 1.0 16. 1.0 .0 .0 .0 2930.6 39.0 NOV 215. 12.8 2.00 .3 .0 1.0 17. 1.0 .0 .0 .0 2936.6 50.0 DEC 207. 12.7 1.39 .3 .0 1.0 16. 1.0 .0 .0 .0 2941.4 61.0 TOTAL 155.1 44.47 8.3 92.1 58.2 150.3 3.4 .0  MMOST PROBABLE INFLOW CONDITIONS  JAN 228. 14.0 1.05 .2 .0 13.8 224. 13.8 .0 .0 2944.0 68.0 FEB 243. 13.5 1.33 .3 .0 13.2 238. 13.2 .0 .0 2944.0 68.0 MAR 262. 16.1 1.85 .4 .0 12.9 210. 12.9 .0 .0 2945.0 71.0 APR 266. 15.8 3.08 .7 .0 15.1 254. 15.1 .0 .0 2945.0 71.0 MAY 249. 15.3 4.19 1.0 2.7 8.7 185. 11.4 .0 .0 .0 2945.0 71.0 JUN 240. 14.3 5.29 1.3 5.8 1.0 114. 6.8 6.2 .0 2946.0 74.0 JUL 239. 14.7 6.13 1.4 26.5 1.0 447. 27.5 .0 .0 2940.7 60.0 AUG 246. 15.1 5.16 1.0 26.9 1.0 454. 27.9 .0 .0 2936.6 50.0 OCT 252. 15.5 3.50 .7 .0 1.0 14.1 10.2 .0 .0 2936.5 50.0 OCT 252. 15.5 3.50 .7 .0 1.0 16. 1.0 .0 .0 2942.3 64.0 DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 .0 2944.0 68.0 DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 .0 2944.0 68.0 DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 .0 2944.0 68.0 DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 .0 2944.0 68.0 DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 .0 2944.0 68.0 DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 .0 2944.0 68.0 DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 .0 2944.0 68.0 DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 .0 2944.0 68.0 DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 .0 2944.0 68.0 DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 .0 2944.0 68.0 DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 .0 2944.0 68.0 DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 .0 2944.0 68.0 DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 .0 2944.0 68.0 DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 .0 2944.0 68.0 DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 .0 2944.0 68.0 DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 .0 2944.0 68.0 DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 .0 2944.0 68.0 DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 .0 2944.0 68.0 DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 .0	3 2.1 12.2 5 11.5 9 11.4
OCT 221. 13.6 3.50 .4 .0 1.0 16. 1.0 .0 .0 2930.6 39.0 NOV 215. 12.8 2.00 .3 .0 1.0 17. 1.0 .0 .0 .0 2936.6 50.0 DEC 207. 12.7 1.39 .3 .0 1.0 16. 1.0 .0 .0 .0 2941.4 61.0 TOTAL 155.1 44.47 8.3 92.1 58.2 150.3 3.4 .0  MOST PROBABLE INFLOW CONDITIONS  JAN 228. 14.0 1.05 .2 .0 13.8 224. 13.8 .0 .0 .0 2944.0 68. FEB 243. 13.5 1.33 .3 .0 13.2 238. 13.2 .0 .0 2944.0 68. MAR 262. 16.1 1.85 .4 .0 12.9 210. 12.9 .0 .0 2945.0 71. APR 266. 15.8 3.08 .7 .0 15.1 254. 15.1 .0 .0 2945.0 71. MAY 249. 15.3 4.19 1.0 2.7 8.7 185. 11.4 .0 .0 2946.0 74. JUN 240. 14.3 5.29 1.3 5.8 1.0 114. 6.8 6.2 .0 2946.0 74. JUL 239. 14.7 6.13 1.4 26.5 1.0 447. 27.5 .0 .0 2940.7 60. AUG 246. 15.1 5.16 1.0 26.9 1.0 454. 27.9 .0 .0 2934.6 46. SEP 249. 14.8 4.19 .7 9.2 1.0 171. 10.2 .0 .0 2934.6 46. SEP 249. 14.8 4.19 .7 9.2 1.0 171. 10.2 .0 .0 2934.6 46. NOV 237. 14.1 2.00 .4 .0 9.1 153. 9.1 .0 .0 2944.0 68. DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 .0 2944.0 68.	12.2 5 11.5 9 11.4
NOV 215. 12.8 2.00 .3 .0 1.0 17. 1.0 .0 .0 2936.6 50.0 DEC 207. 12.7 1.39 .3 .0 1.0 16. 1.0 .0 .0 .0 2941.4 61.0 TOTAL 155.1 44.47 8.3 92.1 58.2 150.3 3.4 .0     MOST PROBABLE INFLOW CONDITIONS	11.5
DEC 207. 12.7 1.39 .3 .0 1.0 16. 1.0 .0 .0 2941.4 61.0  TOTAL 155.1 44.47 8.3 92.1 58.2 150.3 3.4 .0  MOST PROBABLE INFLOW CONDITIONS  JAN 228. 14.0 1.05 .2 .0 13.8 224. 13.8 .0 .0 2944.0 68.0  FEB 243. 13.5 1.33 .3 .0 13.2 238. 13.2 .0 .0 2944.0 68.0  MAR 262. 16.1 1.85 .4 .0 12.9 210. 12.9 .0 .0 2945.0 71.0  APR 266. 15.8 3.08 .7 .0 15.1 254. 15.1 .0 .0 2945.0 71.0  MAY 249. 15.3 4.19 1.0 2.7 8.7 185. 11.4 .0 .0 .0 2946.0 74.0  JUN 240. 14.3 5.29 1.3 5.8 1.0 114. 6.8 6.2 .0 2946.0 74.0  JUL 239. 14.7 6.13 1.4 26.5 1.0 447. 27.5 .0 .0 2940.7 60.0  AUG 246. 15.1 5.16 1.0 26.9 1.0 447. 27.5 .0 .0 2934.6 46.0  SEP 249. 14.8 4.19 .7 9.2 1.0 171. 10.2 .0 .0 2934.6 46.0  SEP 249. 14.8 4.19 .7 9.2 1.0 171. 10.2 .0 .0 2934.6 46.0  DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 .0 2944.0 68.0  TOTAL 177.3 39.16 8.4 71.1 91.6 162.7 6.2 .0	11.4
TOTAL 155.1 44.47 8.3 92.1 58.2 150.3 3.4 .0  MOST PROBABLE INFLOW CONDITIONS  JAN 228. 14.0 1.05 .2 .0 13.8 224. 13.8 .0 .0 2944.0 68.  FEB 243. 13.5 1.33 .3 .0 13.2 238. 13.2 .0 .0 2944.0 68.  MAR 262. 16.1 1.85 .4 .0 12.9 210. 12.9 .0 .0 2945.0 71.  APR 266. 15.8 3.08 .7 .0 15.1 254. 15.1 .0 .0 2945.0 71.  MAY 249. 15.3 4.19 1.0 2.7 8.7 185. 11.4 .0 .0 2946.0 74.  JUN 240. 14.3 5.29 1.3 5.8 1.0 114. 6.8 6.2 .0 2946.0 74.  JUL 239. 14.7 6.13 1.4 26.5 1.0 447. 27.5 .0 .0 2940.7 60.  AUG 246. 15.1 5.16 1.0 26.9 1.0 454. 27.9 .0 .0 2934.6 46.  SEP 249. 14.8 4.19 .7 9.2 1.0 171. 10.2 .0 .0 2936.5 50.  OCT 252. 15.5 3.50 .7 .0 1.0 16. 1.0 .0 .0 2942.3 64.  NOV 237. 14.1 2.00 .4 .0 9.1 153. 9.1 .0 .0 2944.0 68.  DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 .0 2944.0 68.	
MOST PROBABLE INFLOW CONDITIONS  JAN 228. 14.0 1.05 .2 .0 13.8 224. 13.8 .0 .0 2944.0 68.  FEB 243. 13.5 1.33 .3 .0 13.2 238. 13.2 .0 .0 2944.0 68.  MAR 262. 16.1 1.85 .4 .0 12.9 210. 12.9 .0 .0 2945.0 71.  APR 266. 15.8 3.08 .7 .0 15.1 254. 15.1 .0 .0 2945.0 71.  MAY 249. 15.3 4.19 1.0 2.7 8.7 185. 11.4 .0 .0 .0 2946.0 74.  JUN 240. 14.3 5.29 1.3 5.8 1.0 114. 6.8 6.2 .0 2946.0 74.  JUL 239. 14.7 6.13 1.4 26.5 1.0 447. 27.5 .0 .0 2940.7 60.  AUG 246. 15.1 5.16 1.0 26.9 1.0 454. 27.9 .0 .0 2934.6 46.  SEP 249. 14.8 4.19 .7 9.2 1.0 171. 10.2 .0 .0 2934.6 46.  SEP 249. 14.8 4.19 .7 9.2 1.0 171. 10.2 .0 .0 2934.5 50.  OCT 252. 15.5 3.50 .7 .0 1.0 16. 1.0 .0 .0 2942.3 64.  NOV 237. 14.1 2.00 .4 .0 9.1 153. 9.1 .0 .0 2944.0 68.  DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 .0 2944.0 68.	-6.9
JAN 228. 14.0 1.05 .2 .0 13.8 224. 13.8 .0 .0 2944.0 68.  FEB 243. 13.5 1.33 .3 .0 13.2 238. 13.2 .0 .0 2944.0 68.  MAR 262. 16.1 1.85 .4 .0 12.9 210. 12.9 .0 .0 2945.0 71.  APR 266. 15.8 3.08 .7 .0 15.1 254. 15.1 .0 .0 2946.0 74.  JUN 249. 15.3 4.19 1.0 2.7 8.7 185. 11.4 .0 .0 2946.0 74.  JUN 240. 14.3 5.29 1.3 5.8 1.0 114. 6.8 6.2 .0 2946.0 74.  JUL 239. 14.7 6.13 1.4 26.5 1.0 447. 27.5 .0 .0 2940.7 60.  AUG 246. 15.1 5.16 1.0 26.9 1.0 454. 27.9 .0 .0 2934.6 46.  SEP 249. 14.8 4.19 .7 9.2 1.0 171. 10.2 .0 .0 2936.5 50.  OCT 252. 15.5 3.50 .7 .0 1.0 16. 1.0 .0 .0 2942.3 64.  NOV 237. 14.1 2.00 .4 .0 9.1 153. 9.1 .0 .0 2944.0 68.  DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 2944.0 68.	
JAN 228 14.0 1.05 .2 .0 13.8 224 13.8 .0 .0 2944.0 68.  FEB 243 13.5 1.33 .3 .0 13.2 238 13.2 .0 .0 2944.0 68.  MAR 262 16.1 1.85 .4 .0 12.9 210 12.9 .0 .0 2945.0 71.  APR 266 15.8 3.08 .7 .0 15.1 254 15.1 .0 .0 2946.0 74.  JUN 240 14.3 5.29 1.3 5.8 1.0 114 6.8 6.2 .0 2946.0 74.  JUL 239 14.7 6.13 1.4 26.5 1.0 447 27.5 .0 .0 2940.7 60.  AUG 246 15.1 5.16 1.0 26.9 1.0 454 27.9 .0 .0 2934.6 46.  SEP 249 14.8 4.19 .7 9.2 1.0 171 10.2 .0 .0 2936.5 50.  OCT 252 15.5 3.50 .7 .0 1.0 16 1.0 .0 .0 2942.3 64.  NOV 237 14.1 2.00 .4 .0 9.1 153 9.1 .0 .0 2944.0 68.  TOTAL 177.3 39.16 8.4 71.1 91.6 162.7 6.2 .0	
FEB 243. 13.5 1.33 .3 .0 13.2 238. 13.2 .0 .0 2944.0 68.  MAR 262. 16.1 1.85 .4 .0 12.9 210. 12.9 .0 .0 .0 2945.0 71.  APR 266. 15.8 3.08 .7 .0 15.1 254. 15.1 .0 .0 2945.0 71.  MAY 249. 15.3 4.19 1.0 2.7 8.7 185. 11.4 .0 .0 2946.0 74.  JUN 240. 14.3 5.29 1.3 5.8 1.0 114. 6.8 6.2 .0 2946.0 74.  JUL 239. 14.7 6.13 1.4 26.5 1.0 447. 27.5 .0 .0 2940.7 60.  AUG 246. 15.1 5.16 1.0 26.9 1.0 454. 27.9 .0 .0 2934.6 46.  SEP 249. 14.8 4.19 .7 9.2 1.0 171. 10.2 .0 .0 2936.5 50.  OCT 252. 15.5 3.50 .7 .0 1.0 16. 1.0 .0 .0 2934.0 68.  NOV 237. 14.1 2.00 .4 .0 9.1 153. 9.1 .0 .0 2944.0 68.  DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 2944.0 68.	3 .0
MAR 262. 16.1 1.85 .4 .0 12.9 210. 12.9 .0 .0 2945.0 71.  APR 266. 15.8 3.08 .7 .0 15.1 254. 15.1 .0 .0 2945.0 71.  MAY 249. 15.3 4.19 1.0 2.7 8.7 185. 11.4 .0 .0 2946.0 74.  JUN 240. 14.3 5.29 1.3 5.8 1.0 114. 6.8 6.2 .0 2946.0 74.  JUL 239. 14.7 6.13 1.4 26.5 1.0 447. 27.5 .0 .0 2940.7 60.  AUG 246. 15.1 5.16 1.0 26.9 1.0 454. 27.9 .0 .0 2934.6 46.  SEP 249. 14.8 4.19 .7 9.2 1.0 171. 10.2 .0 .0 2936.5 50.  OCT 252. 15.5 3.50 .7 .0 1.0 16. 1.0 .0 .0 2942.3 64.  NOV 237. 14.1 2.00 .4 .0 9.1 153. 9.1 .0 .0 2944.0 68.  DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 2944.0 68.	
APR 266. 15.8 3.08 .7 .0 15.1 254. 15.1 .0 .0 2945.0 71.  MAY 249. 15.3 4.19 1.0 2.7 8.7 185. 11.4 .0 .0 2946.0 74.  JUN 240. 14.3 5.29 1.3 5.8 1.0 114. 6.8 6.2 .0 2946.0 74.  JUL 239. 14.7 6.13 1.4 26.5 1.0 447. 27.5 .0 .0 2940.7 60.  AUG 246. 15.1 5.16 1.0 26.9 1.0 454. 27.9 .0 .0 2934.6 46.  SEP 249. 14.8 4.19 .7 9.2 1.0 171. 10.2 .0 .0 2936.5 50.  OCT 252. 15.5 3.50 .7 .0 1.0 16. 1.0 .0 .0 2942.3 64.  NOV 237. 14.1 2.00 .4 .0 9.1 153. 9.1 .0 .0 2944.0 68.  DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 2944.0 68.	
MAY 249. 15.3 4.19 1.0 2.7 8.7 185. 11.4 .0 .0 2946.0 74.  JUN 240. 14.3 5.29 1.3 5.8 1.0 114. 6.8 6.2 .0 2946.0 74.  JUL 239. 14.7 6.13 1.4 26.5 1.0 447. 27.5 .0 .0 2940.7 60.  AUG 246. 15.1 5.16 1.0 26.9 1.0 454. 27.9 .0 .0 2934.6 46.  SEP 249. 14.8 4.19 .7 9.2 1.0 171. 10.2 .0 .0 2936.5 50.  OCT 252. 15.5 3.50 .7 .0 1.0 16. 1.0 .0 .0 2942.3 64.  NOV 237. 14.1 2.00 .4 .0 9.1 153. 9.1 .0 .0 2944.0 68.  DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 2944.0 68.	
JUN       240.       14.3       5.29       1.3       5.8       1.0       114.       6.8       6.2       .0       2946.0       74.         JUL       239.       14.7       6.13       1.4       26.5       1.0       447.       27.5       .0       .0       2940.7       60.         AUG       246.       15.1       5.16       1.0       26.9       1.0       454.       27.9       .0       .0       2934.6       46.         SEP       249.       14.8       4.19       .7       9.2       1.0       171.       10.2       .0       .0       2936.5       50.         OCT       252.       15.5       3.50       .7       .0       1.0       16.       1.0       .0       .0       2942.3       64.         NOV       237.       14.1       2.00       .4       .0       9.1       153.       9.1       .0       .0       2944.0       68.         DEC       229.       14.1       1.39       .3       .0       13.8       224.       13.8       .0       .0       2944.0       68.	
JUL       239.       14.7       6.13       1.4       26.5       1.0 447.       27.5       .0       .0       2940.7       60.         AUG       246.       15.1       5.16       1.0       26.9       1.0 454.       27.9       .0       .0       2934.6       46.         SEP       249.       14.8       4.19       .7       9.2       1.0 171.       10.2       .0       .0       2936.5       50.         OCT       252.       15.5       3.50       .7       .0       1.0       16.       1.0       .0       .0       2942.3       64.         NOV       237.       14.1       2.00       .4       .0       9.1       153.       9.1       .0       .0       2944.0       68.         DEC       229.       14.1       1.39       .3       .0       13.8       224.       13.8       .0       .0       2944.0       68.         TOTAL       177.3       39.16       8.4       71.1       91.6       162.7       6.2       .0	
AUG 246. 15.1 5.16 1.0 26.9 1.0 454. 27.9 .0 .0 2934.6 46. SEP 249. 14.8 4.19 .7 9.2 1.0 171. 10.2 .0 .0 2936.5 50. OCT 252. 15.5 3.50 .7 .0 1.0 16. 1.0 .0 .0 2942.3 64. NOV 237. 14.1 2.00 .4 .0 9.1 153. 9.1 .0 .0 2944.0 68. DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 2944.0 68.	
SEP       249.       14.8       4.19       .7       9.2       1.0       171.       10.2       .0       .0       2936.5       50.         OCT       252.       15.5       3.50       .7       .0       1.0       16.       1.0       .0       .0       2942.3       64.         NOV       237.       14.1       2.00       .4       .0       9.1       153.       9.1       .0       .0       2944.0       68.         DEC       229.       14.1       1.39       .3       .0       13.8       224.       13.8       .0       .0       2944.0       68.         TOTAL       177.3       39.16       8.4       71.1       91.6       162.7       6.2       .0	-13.8
OCT 252. 15.5 3.50 .7 .0 1.0 16. 1.0 .0 .0 2942.3 64.  NOV 237. 14.1 2.00 .4 .0 9.1 153. 9.1 .0 .0 2944.0 68.  DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 2944.0 68.  TOTAL 177.3 39.16 8.4 71.1 91.6 162.7 6.2 .0	3.9
DEC 229. 14.1 1.39 .3 .0 13.8 224. 13.8 .0 .0 2944.0 68.  TOTAL 177.3 39.16 8.4 71.1 91.6 162.7 6.2 .0	2 13.8
TOTAL 177.3 39.16 8.4 71.1 91.6 162.7 6.2 .0	3 4.6
	. 0
	.0
REASONABLE MAXIMUM INFLOW CONDITIONS	
JAN 263. 16.2 1.05 .2 .0 16.0 260. 16.0 .0 .0 2944.0 68.	. 0
FEB 283. 15.7 1.33 .3 .0 15.4 277. 15.4 .0 .0 2944.0 68.	
MAR 296. 18.2 1.85 .4 .0 15.0 244. 15.0 .0 .0 2945.0 71.	
APR 311. 18.5 3.08 .7 .0 17.8 299. 17.8 .0 .0 2945.0 71.	
MAY 309. 19.0 3.11 .7 1.7 13.7 250. 15.4 .0 .0 2946.0 74.	
JUN 286. 17.0 4.38 1.1 6.5 1.0 126. 7.5 8.4 .0 2946.0 74.	
JUL 289. 17.8 4.90 1.1 23.1 1.0 392. 24.1 .0 .0 2943.4 67.	
AUG 307. 18.9 4.14 .9 20.7 1.0 353. 21.7 .0 .0 2942.0 63.	
SEP 286. 17.0 3.12 .7 4.8 6.1 183. 10.9 .0 .0 2944.0 68.	
OCT 283. 17.4 3.50 .8 .0 16.6 270. 16.6 .0 .0 2944.0 68.	
NOV 262. 15.6 2.00 .5 .0 15.1 254. 15.1 .0 .0 2944.0 68.	
DEC 250. 15.4 1.39 .3 .0 15.1 246. 15.1 .0 .0 2944.0 68.	
TOTAL 206.7 33.85 7.7 56.8 133.8 190.6 8.4 .0	

					REL	EASE	RESERVOI	R	REQUIREMENT	END OF	MONTH	RESERVOIR
	IN	FLOW	EVAPORA	ATION	REQUI	REMENT	SPILL		SHORTAGE	ELEV	CONT	CHANGE
	MEAN	1000		1000	MEAN	1000	1000		1000		1000	1000
MONTH	CFS	AF	INCHES	AF	CFS	AF	AF		AF	FT	AF	AF
				1	REASONABLE	мтитмим	INFLOW CON	חדדות	NS			
JAN	0.	.0	1.30		21.	1.3	.0	01110	.0	2154.9	49.9	-1.6
FEB	0.	.0		.3	23.	1.3	.0		.0	2154.2	48.3	-1.6
MAR	0.	.0		.5	21.	1.3	.0		. 0	2153.4	46.5	-1.8
APR	168.	10.0		. 9	22.	1.3	.0		.0	2156.7		7.8
MAY	325.	20.0		1.2	65.	4.0	. 0		.0	2162.3	69.1	14.8
JUN	318.	18.9		1.5	292.	17.4	.0		. 0	2162.3	69.1	.0
JUL	153.	9.4			891.	54.8	.0		.0	2139.9	22.4	-46.7
AUG	246.	15.1		.6	639.	39.3	.0		12.9	2129.0	10.5	-11.9
SEP	501.	29.8		.5	138.	8.2	.0		. 0	2145.8	31.6	21.1
OCT	369.	22.7		.7	18.	1.1	.0		. 0	2156.0	52.5	20.9
NOV	0.	. 0		. 4	22.	1.3	.0		. 0	2155.3	50.8	-1.7
DEC	0.	. 0	1.18	.2	21.	1.3	.0		. 0	2154.6	49.3	-1.5
TOTAL		125.9	47.60	8.4		132.6	.0		12.9			-2.2
					MOST PRO	BABLE IN	FLOW CONDIT	IONS				
JAN	0.	.0	1.30	. 3	21.	1.3	.0		. 0	2154.9	49.9	-1.6
FEB	0.	. 0	1.62	. 3	23.	1.3	. 0		. 0	2154.2	48.3	-1.6
MAR	3.	.2	2.86	.5	21.	1.3	.0		. 0	2153.5	46.7	-1.6
APR	151.	9.0	4.63	. 9	22.	1.3	. 0		. 0	2156.4	53.5	6.8
MAY	294.	18.1	4.35	1.0	24.	1.5	. 0		. 0	2162.3	69.1	15.6
JUN	296.	17.6	4.92	1.2	276.	16.4	. 0		. 0	2162.3	69.1	.0
JUL	376.	23.1	5.68	1.3	581.	35.7	.0		.0	2157.1	55.2	-13.9
AUG	449.	27.6	4.87	1.0	559.	34.4	.0		.0	2153.8	47.4	-7.8
SEP	255.	15.2	3.68	.7	104.	6.2	. 0		.0	2157.3	55.7	8.3
OCT	31.	1.9	3.77	. 8	18.	1.1	.0		. 0	2157.3	55.7	.0
NOV	0.	. 0	2.05	. 4	22.	1.3	. 0		. 0	2156.6	54.0	-1.7
DEC	0.	. 0	1.18	. 2	21.	1.3	. 0		. 0	2156.0	52.5	-1.5
TOTAL		112.7	40.91	8.6		103.1	.0		.0			1.0
				F	REASONABLE	MUMIXAM	INFLOW CON	DITIO	NS			
JAN	23.	1.4	1.30	. 3	21.		. 0		.0	2155.5	51.3	2
FEB	43.	2.4			23.	1.3	.0		. 0	2155.8		. 8
MAR	89.	5.5	2.86	.6	21.	1.3	.0		. 0	2157.3	55.7	3.6
APR	101.	6.0	4.63	1.0	22.	1.3	. 0		0	2158.8		3.7
MAY	194.	11.9	3.10	. 7	24.	1.5	.0		.0	2162.3	69.1	9.7
JUN	200.	11.9			185.	11.0	. 0			2162.3		
JUL	208.	12.8			454.	27.9	. 0			2156.2		
AUG	207.	12.7			273.	16.8	.0		.0	2154.2		
SEP	213.	12.7			79.	4.7	.0		.0	2157.3		7.5
OCT	31.	1.9			18.	1.1	.0		.0	2157.3		
NOV	24.	1.4		. 4		1.3	.0		.0	2157.2		
DEC	24.	1.5	1.18	. 2	21.	1.3	. 0		.0	2157.2	55.4	.0
TOTAL		82.1	35.13	7.4		70.8	.0		e - 67 .0 ye			3.9

MONTH	INIMEAN CFS	1000 AF		NCHES	ATION 1000	CANAL 1000	RIVE	R TO	TAL	SPILL	SHORTAGE	ELEV	CONT	CHANGE
JAN	CFS 298.	AF	1	NCHES	1000	1000								
JAN	298.		1	NCHES		_000	1000	MEAN	1000	1000	1000		1000	1000
					AF	AF	AF	CFS	AF	AF	AF	FT	AF	AF
						REASONA	BLE M	INIMUM	INFLOW	CONDITIONS	1.0000			
	292.	18.3		1.17	. 4	. 7	17.2		17.9	.0	. 0	2240.1	108.6	. 0
FEB		16.2		1.46	.6	.7	14.9		15.6	. 0	. 0	2240.1	108.6	.0
MAR	329.	20.2		2.58	1.0	.7	6.0	109.	6.7	. 0	.0	2242.7	121.1	12.5
APR	308.	18.3		4.18	1.7	.7	12.1	215.	12.8	.0	. 0	2243.5	124.9	3.8
MAY	298.	18.3		5.69	2.4	1.7	14.2	259.	15.9	- 0	.0	2243.5	124.9	.0
JUN	304.	18.1		7.04	3.0	9.3	3.3	212.	12.6	. 0	.0	2244.0	127.4	2.5
JUL	272.	16.7		7.83	3.1	21.3	16.7	618.	38.0	- 0	.0	2238.9	103.0	-24.4
AUG	291.	17.9		8.18	2.6	37.6	17.9	903.	55.5	.0	.0	2228.4	62.8	-40.2
SEP	282.	16.8		6.35	1.4	31.0	16.8	803.	47.8	. 0	.0	2216.3	30.4	-32.4
OCT	273.	16.8		3.40	.7	.7	3.1	62.	3.8	. 0	.0	2221.5	42.7	12.3
NOV	277.	16.5		1.85	. 4	.7	3.0	62.	3.7	. 0	.0	2226.0	55.1	12.4
DEC	272.	16.7		1.07	. 3	.7	3.1	62.	3.8	.0	.0	2229.9	67.7	12.6
TOTAL		210.8		50.80	17.6	105.8	128.3		234.1	.0	.0			-40.9
						MOST	PROBA	BLE IN	FLOW CO	NDITIONS				
JAN	327.	20.1		1.17	. 4	.7	19.0	320.	19.7	. 0	.0	2240.1	108.6	. 0
FEB	333.	18.5		1.46	.6	.7	17.2	322.	17.9	. 0	.0	2240.1	108.6	. 0
MAR	374.	23.0		2.58	1.0	.7	8.3	146.	9.0	. 0	.0	2242.8	121.6	13.0
APR	375.	22.3		4.18	1.7	.7	16.6	291.	17.3	. 0	.0	2243.5	124.9	3.3
MAY	377.	23.2		4.19	1.8	.7	20.7	348.	21.4	- 0	.0	2243.5	124.9	.0
JUN	345.	20.5		4.77	2.0	1.7	14.3	269.	16.0	. 0	.0	2244.0	127.4	2.5
JUL	348.	21.4		5.88	2.4	14.4	21.4	582.	35.8	.0	.0	2240.6	110.6	-16.8
AUG	337.	20.7		5.89	2.2	17.9	20.7	628.	38.6	. 0	.0	2236.0	90.5	-20.1
SEP	323.	19.2		4.78	1.5	20.7	19.2	671.	39.9	. 0	.0	2230.1	68.3	-22.2
OCT	320.	19.7		3.40	1.0	.7	3.1	62.	3.8	.0	.0	2234.1	83.2	14.9
NOV	329.	19.6		1.85	. 6	.7	3.0	62.	3.7	. 0	.0	2237.9	98.5	15.3
DEC	317.	19.5		1.07	. 4	.7	8.9	156.	9.6	. 0	.0	2240.0	108.0	9.5
TOTAL		247.7		41.22	15.6	60.3	172.4		232.7	.0	. 0			6
						REASON	ABLE M	AXIMUM	INFLO	CONDITIONS	Series neglect			
JAN	356.	21.9		1.17	. 4	.7	20.8	350.	21.5	. 0	.0	2240.1	108.6	. 0
FEB	366.	20.3		1.46	. 6	.7	19.0	355.	19.7	. 0	. 0	2240.1	108.6	. 0
MAR	473.	29.1		2.58	1.0	. 7	12.6	216.	13.3	. 0	.0	2243.2	123.4	14.8
APR	489.	29.1		4.18	1.8	. 7	25.1	434.	25.8	. 0	. 0	2243.5	124.9	1.5
MAY	610.	37.5		3.07	1.3	.7	35.5	589.	36.2	. 0	. 0	2243.5	124.9	. 0
JUN	466.	27.7		3.25	1.4	.7	23.1	400.	23.8	. 0	. 0	2244.0	127.4	2.5
JUL	465.	28.6		4.28	1.8	7.6	28.6	589.	36.2	. 0	. 0	2242.1	118.0	-9.4
AUG	397.	24.4		4.98	2.0	9.0	24.4	543.	33.4	.0	.0	2239.8	107.0	-11.0
SEP	380.	22.6		3.43	1.3	1.6	22.6	407.	24.2	.0	. 0	2239.1	104.1	-2.9
OCT	369.	22.7		3.40	1.3	.7	16.8	285.	17.5	.0	. 0	2240.0	108.0	3.9
NOV	358.	21.3		1.85	.7	.7	19.9	346.	20.6	. 0	. 0	2240.0	108.0	. 0
DEC	356.	21.9		1.07	. 4	.7	20.8	350.	21.5	. 0	.0	2240.0	108.0	.0
TOTAL		307.1		34.72	14.0	24.5	269.2		293.7	.0	. 0			6

								R						2
	INF	LOW	EVAPORA	ATION	REQUI	REMENT	SPILL		SHOR	TAGE	ELEV	CONT	CHANGE	
	MEAN	1000		1000	MEAN	1000	1000		10	00		1000	1000	
MONTH	CFS	AF	INCHES	AF	CFS	AF	AF		A	F	FT	AF	AF	
				R	EASONABLE	MINIMUM	INFLOW CON	DITION	S					
JAN	0.	.0	1.30	.1	5.	.3	.0			. 0	2062.1	17.9	4	
FEB	0.	.0	1.62	.1	5.	. 3	.0			. 0	2061.6	17.5	4	
MAR	0.	.0	2.86	.2	10.	.6	.0			. 0	2060.6	16.7	8	
APR	166.	9.9	4.63	.3	25.	1.5	.0			. 0	2070.0	24.8	8.1	
MAY	163.	10.0	5.43	.5	50.	3.1	.0			. 0	2076.0	31.2	6.4	
JUN	192.	11.4	6.26	. 6	182.	10.8	.0			. 0	2076.0	31.2	. 0	
JUL	0.	.0	7.29	.5	293.	18.0	.0			. 0	2054.6	12.7	-18.5	
AUG	239.	14.7	6.41	. 3	324.	19.9	.0			.0	2043.9	7.2	-5.5	
SEP	240.	14.3	4.80	. 2	259.	15.4	.0			.0	2040.6	5.9	-1.3	
OCT	18.	1.1	3.77	.1	5.	. 3	.0			. 0	2042.5	6.6	.7	
NOV	0.	. 0	2.05	.1	5.	.3	.0			. 0	2041.4	6.2	4	
DEC	0.	.0	1.18	.0	5.	.3	.0			. 0	2040.6	5.9	3	
TOTAL		61.4	47.60	3.0		70.8	.0			.0			-12.4	
					MOSE PRO	DADID THE	LOW CONDIT	TONO						
TAN	0.	0	1.30	.1	MOST PRO	.3		TONS		0	2062 1	17.9		
JAN FEB	0.	.0		.1	5.	.3	.0			.0	2062.1	17.5	4	
MAR	0.	.0	2.86	.2	10.	.6	.0			.0	2060.6	16.7	8	
APR	158.	9.4	4.63	.3	25.	1.5	.0			.0	2069.5	24.3	7.6	
		9.4		.4		2.1								
JUN	153.	3.7	4.92			3.2	.0			.0	2076.0	31.2	6.9	
JUL	0.	.0		.5	195.	12.0				.0	2076.0	31.2	.0	
AUG	33.	2.0			226.	13.9	.0			.0	2042.5	6.6	-12.1	
SEP	161.	9.6	3.68		160.	9.5	.0			.0	2042.5	6.6	.0	
OCT	0.	.0			5.	.3	.0			.0	2041.4	6.2	4	
NOV	0.	.0	2.05	.1	5.	.3	.0			.0	2040.3	5.8	4	
DEC	0.	.0		.0	5.	.3	.0			.0	2039.5	5.5	3	
TOTAL		34.1	40.91	2.6		44.3	.0			.0			-12.8	
				R	EASONABLE	MAXIMUM	INFLOW CON	DITION	S					
JAN	0.	.0	1.30	.1	5.	.3	.0			.0	2062.1	17.9	4	
FEB	0.	. 0	1.62	.1	5.	.3	. 0			.0	2061.6	17.5	4	
MAR	0.	.0	2.86	. 2	10.	. 6	.0			. 0	2060.6	16.7	8	
APR	156.	9.3	4.63	.3	25.	1.5	.0			.0	2069.4	24.2	7.5	
MAY	153.	9.4	3.10	.3	34.	2.1	.0			.0	2076.0	31.2	7.0	
JUN	42.	2.5	3.89	.4	35.	2.1	0.0			.0	2076.0	31.2	. 0	
JUL	0.	.0	4.42	. 4	128.	7.9	.0			. 0	2067.9	22.9	-8.3	
AUG	0.	.0	3.75	. 2	145.	8.9	.0			.0	2056.3	13.8	-9.1	
SEP	0.	.0	2.56	.1	5.	.3	.0			.0	2055.7	13.4	4	
OCT	0.	.0	3.77	. 2	5.	.3	.0			.0	2055.0	12.9	~.5	
NOV	0.	.0	2.05	.1	5.	1.3	.0			.0	2054.3	12.5	4	
DEC	0.	.0	1.18	.1	<b>5.</b>	. 3	.0			.0	2053.6	12.1	4	
TOTAL		21.2	35.13	2.5		24.9	.0			.0			-6.2	

					RELEA	SE REQ	UIREM	ENT	RES	REQUIREMENT	END OF	MONTH	RESERVOIR
	INF	LOW	EVAPOR	ATION	CANAL	RIVER	TO	TAL	SPILL	SHORTAGE	ELEV	CONT	CHANGE
	MEAN	1000		1000	1000	1000	MEAN	1000	1000	1000		1000	1000
MONTH	CFS	AF	INCHES	AF	AF	AF	CFS	AF	AF	AF	FT	AF	AF
					REASONA	BLE MI	NIMUM	INFLOW	CONDITIONS	1 LUMB #24			
JAN	23.	1.4	1.15	.2	. 0	.5	8.	.5	. 0	. 0	3669.9	37.2	.7
FEB	22.	1.2	1.37	. 2	. 0	. 4	7.	. 4	. 0	. 0	3670.2	37.8	. 6
MAR	21.	1.3	1.95		. 0	.5	8.	.5	. 0	.0	3670.5	38.3	.5
APR	24.	1.4	5.56	.9	. 0	. 4	7.	. 4	. 0	. 0	3670.5	38.4	.1
MAY	21.	1.3	7.04	1.1	. 4	. 5	15.	. 9	. 0	.0	3670.2	37.7	7
JUN	12.	.7	8.43	1.3	.3	. 4	12.	. 7	. 0	. 0	3669.5	36.4	-1.3
JUL	5.	. 3	9.09	1.4	1.0	. 5	24.	1.5	. 0	.0	3668.1	33.8	-2.6
AUG	0.	.0	8.07	1.2	.6	.5	18.	1.1	. 0	. 0	3666.8	31.5	-2.3
SEP	0.	.0	7.18	1.0	.3	. 4	12.	. 7	. 0	. 0	3665.8	29.8	-1.7
OCT	7.	. 4	5.03	.7	. 2	. 5	11.	. 7	. 0	. 0	3665.2	28.8	-1.0
NOV	17.	1.0	2.24	.3	.0	. 4	7.	. 4	. 0	. 0	3665.4	29.1	.3
DEC	20.	1.2	1.42	.2	. 0	.5	8.	.5	. 0	. 0	3665.7	29.6	.5
TOTAL		10.2	58.53	8.8	2.8	5.5		8.3	.0	.0			-6.9
					MOST	PROBAB	BLE IN	FLOW CO	NDITIONS				
JAN	28.	1.7	1.10	.2	.0	. 5	8.	.5	. 0	. 0	3670.1	37.5	1.0
FEB	31.	1.7	1.26	. 2	.0	. 4	7.	. 4	. 0	. 0	3670.6	38.6	1.1
MAR	31.	1.9	1.93	.3	.0	. 5	8.	.5	. 0	. 0	3671.2	39.7	1.1
APR	35.	2.1	4.40	.7	.0	. 4	7.	. 4	. 0	. 0	3671.7	40.7	1.0
MAY	39.	2.4	5.84	1.0	.1	. 5	10.	.6	. 2	. 0	3672.0	41.3	.6
JUN	25.	1.5	6.85	1.2	. 3	. 4	12.	. 7	. 0	. 0	3671.8	40.9	4
JUL	16.	1.0	8.16	1.4	.7	. 5	20.	1.2	. 0	. 0	3671.0	39.3	-1.6
AUG	8.	.5	6.83	1.1	.6	.5	18.	1.1	. 0	. 0	3670.1	37.6	-1.7
SEP	3.	. 2	5.35	.8	. 3	. 4	12.	.7	. 0	. 0	3669.4	36.3	-1.3
OCT	15.	. 9	3.61	.6	.1	. 5	10.	.6	. 0	. 0	3669.3	36.0	3
NOV	25.	1.5	2.24	. 4	.0	. 4	7.	. 4	. 0	. 0	3669.6	36.7	. 7
DEC	24.	1.5	1.34	.2	.0	. 5	8.	. 5	. 0	. 0	3670.1	37.5	. 8
TOTAL		16.9	48.91	8.1	2.1	5.5		7.6	.2	.0			1.0
					REASONA	BLE MA	XIMUM	INFLOW	CONDITIONS	S			
JAN	36.	2.2	1.08	. 2	.0	. 5	8.	.5	. 0	. 0	3670.3	38.0	1.5
FEB	40.	2.2	1.19	.2	.0	. 4	7.	. 4	. 0	.0	3671.1	39.6	1.6
MAR	42.	2.6	1.87	. 3	.0	. 6	10.	.6	. 0	.0	3672.0	41.3	1.7
APR	52.	3.1	3.14	. 5	.0	2.6	44.	2.6	. 0	.0	3672.0	41.3	. 0
MAY	60.	3.7	4.30	.7	. 2	.5	11.	. 7	2.3	. 0	3672.0	41.3	. 0
JUN	84.	5.0	5.33	. 9	. 2	. 4	10.	. 6	3.5	. 0	3672.0	41.3	. 0
JUL	46.	2.8	6.22	1.1	. 4	.5	15.	.9	. 8	. 0	3672.0	41.3	. 0
AUG	63.	3.9	5.70	1.0	. 4	.5	15.	. 9	2.0	. 0	3672.0	41.3	. 0
SEP	50.	3.0	4.23	.7	. 2	. 4	10.	. 6	1.7	.0	3672.0	41.3	. 0
OCT	33.	2.0	3.61	. 6	. 2	. 5	11.	.7	.7	. 0	3672.0	41.3	. 0
NOV	39.	2.3	2.24	. 4	.0	. 4	7.	. 4	1.5	.0	3672.0	41.3	. 0
DEC	34.	2.1	1.24	. 2	. 0	. 5	8.	.5	1.4	. 0	3672.0	41.3	.0
TOTAL		34.9	40.15	6.8	1.6	7.8		9.4	13.9	.0			4.8

						REL	EASE	R	ESERVO	IR	RE	QUIREMENT	END OF	MONTH	RESERVO	OIR
	IN	FLOW		EVAPOR	ATION	REQUI	REMENT		SPILL	ab I	S	HORTAGE	ELEV	CONT	CHANG	E
	MEAN	1000			1000	MEAN	1000		1000			1000		1000	1000	
MONTH	CFS	AF		INCHES	AF	CFS	AF		AF			AF	FT	AF	AF	
					I	REASONABLE	MINIMUM	INF	LOW CO	NDITI	ONS					
JAN	28.	1.7		. 93	.1	0.	. 0		.0			. 0	3098.6	24.9	1.6	
FEB	27.	1.5		1.05		0.	. 0		.0			. 0	3099.8	26.3	1.4	
MAR	26.	1.6				0.	. 0		.0			. 0	3100.9	27.7	1.4	
APR	27.	1.6			.6	0.	. 0		.0			. 0	3101.7	28.7	1.0	
MAY	24.	1.5		6.52	.7	68.	4.2		.0			. 0	3099.0	25.3	-3.4	
JUN	25.	1.5		7.75	.6	306.	18.2		.0			2.0	3082.4	10.0	-15.3	
JUL	26.	1.6		8.48	.5	533.	32.8		. 0			31.7	3082.4	10.0	.0	
AUG	24.	1.5		7.55	.4	540.	33.2		. 0			32.1	3082.4	10.0	.0	
SEP	22.	1.3		5.60	.3	0.	. 0		.0			. 0	3083.9	11.0	1.0	
OCT	24.	1.5		4.19	.3	0.	. 0		. 0			. 0	3085.6	12.2	1.2	
NOV	27.	1.6		1.96	.1	0.	.0		. 0			. 0	3087.5	13.7	1.5	
DEC	26.	1.6		1.16	.1	0.	. 0		.0			.0	3089.3	15.2	1.5	
TOTAL		18.5		52.26	4.0		88.4		.0			65.8			-8.1	
						MOST PRO	BABLE INF	FLOW	CONDI	TIONS						
JAN	44.	2.7		.88	.1	0.	. 0		.0			.0	3099.5	25.9	2.6	
FEB	41.	2.3		.95	.1	0.	.0		. 0			.0	3101.2	28.1	2.2	
MAR	37.	2.3		1.73	. 2	0.	. 0		. 0			. 0	3102.8	30.2	2.1	
APR	40.	2.4		4.28	.5	0.	. 0		.0			.0	3104.2	32.1	1.9	
MAY	42.	2.6		5.38	. 6	15.	. 9		- 0			.0	3105.0	33.2	1.1	
JUN	39.	2.3		6.46	.7	77.	4.6		.0			.0	3102.8	30.2	-3.0	
JUL	52.	3.2		7.23	.6	372.	22.9		.0			.1	3082.4	10.0	-20.2	
AUG	42.	2.6		6.22	. 3	361.	22.2		- 0			19.9	3082.4	10.0	. 0	
SEP	44.	2.6		4.51	. 2	42.	2.5		. 0			.1	3082.4	10.0	.0	
OCT	41.	2.5		2.97	. 2	0.	.0		. 0			. 0	3085.7	12.3	2.3	
NOV	42.	2.5		1.96	.1	0.	. 0		.0			.0	3088.7	14.7	2.4	
DEC	42.	2.6		1.07	.1	0.	.0		. 0			. 0	3091.5	17.2	2.5	
TOTAL		30.6		43.64	3.7		53.1		. 0			20.1			-6.1	
					F	REASONABLE	MAXIMUM	INF	LOW CO	NDITIO	ONS					
JAN	70.	4.3		.82	.1	0.	. 0		.0			. 0	3100.8	27.5	4.2	
FEB	67.	3.7		.90	.1	0.	. 0		. 0			. 0	3103.5	31.1	3.6	
MAR	57.	3.5		1.65	. 2	0.	. 0		. 0			.0	3105.9	34.4	3.3	
APR	61.	3.6		3.16	. 4	0.	. 0		. 0			. 0	3108.0	37.6	3.2	
MAY	63.	3.9	5.12	4.14	.5	0.	. 0		.0			.0	3110.2	41.0	3.4	
JUN	84.	5.0		5.29	.7	0.	. 0		. 8			.0	3112.3	44.5	3.5	
JUL	98.	6.0		5.98	. 8	205.	12.6		. 0			. 0	3107.7	37.1	-7.4	
AUG	80.	4.9		5.05	.6	210.	12.9		. 0			.0	3101.5	28.5	-8.6	
SEP	86.	5.1		3.38	. 4	0.	. 0		. 0			.0	3105.0	33.2	4.7	
OCT	72.	4.4		2.08	. 3	0.	. 0		.0			. 0	3107.8	37.3	4.1	
NOV	71.	4.2		1.96	. 3	0.	.0		.0			.0	3110.3	41.2	3.9	
DEC	72.	4.4		. 97	.1	0.	. 0		1.0			.0	3112.3	44.5	3.3	
TOTAL		53.0		35.38	4.5		25.5		1.8			. 0			21.2	

NHILOW   EVAPORATION   CANAL RIVER   TOTAL   SPILL   SHORTAGE   ELEV   CONT   CHANGE   MAN 1000   1000   1000   1000   1000   1000   1000   MONTH   CFS   AF   INCHES   AF   AF   AF   AF   AF   AF   AF   A						RELEA	SE REC	UIREM	ENT	RES	REQUIREMENT	END OF	MONTH	RESERVOIR	
NONTH   CFS   AF   INCHES   AF   AF   AF   CFS   AF   AF   AF   AF   FT   AF   AF   AF		IN	FLOW	EVAPOR	ATION	CANAL	RIVER	R TO	TAL	SPILL	SHORTAGE	ELEV	CONT	CHANGE	
PRESONABLE MINIMUM INFLOW CONDITIONS		MEAN	1000		1000	1000	1000	MEAN	1000	1000	1000		1000	1000	
JAN 50, 3.1 91 3 0.0 .1 21 0.0 0 2745.8 83.9 2.7  FEB 94 5.2 1.09 .4 0.1 21 0.0 0 2746.9 88.6 4.7  MAR 109 6.7 1.76 .6 0.0 .1 21 0.0 0 2746.9 88.6 4.7  MAR 109 6.7 1.76 .6 0.0 .1 21 0.0 0 2749.1 98.4 3.8  MAY 70. 4.3 6.57 2.5 0.0 .1 21 0.0 0 2749.1 98.4 3.8  MAY 70. 4.3 7.55 2.8 8.9 1.5 175. 10.4 0.0 0 2749.1 10.1 1.7  JUN 55. 3.3 7.55 2.8 8.9 1.5 175. 10.4 0.0 0 2749.4 100.1 1.7  JUN 13. 8 8.84 2.9 19.2 10.8 488. 30.0 0 0 2747.2 99.2 -9.9  JUL 13. 8 8.84 2.9 19.2 10.8 488. 30.0 0 0 2747.2 99.2 -9.9  JUL 13. 8 8.84 2.9 19.2 10.8 488. 30.0 0 0 2747.2 10.2 4.6 -6.0  MOY 24. 1.4 2.01 2 0 1.6 12. 1 0 0 0 2720.4 13.0 -5.4  MOY 24. 1.4 2.01 2 0 1.2 1.1 0 0 0 2720.7 13.5 1.1  DEC 46 2.8 1.17 2 0 1.1 2. 1 0 0 0 2720.7 13.5 1.1  DEC 46 2.8 1.17 2 0 1.1 2. 1 0 0 0 2720.3 16.0 2.5  TOTAL 33.6 52.82 15.0 44.7 39.1 83.8 0 0 0 2746.1 86.6 5.4  FEB 10 7.8 98.4 0 1.2 1.1 0 0 0 2746.1 86.6 5.4  FEB 10 7.8 98.4 0 1.2 1.1 0 0 0 2746.1 93.9 7.3  MAR 153. 9.4 1.73 .7 0 1.2 1.1 0 0 0 2748.1 93.9 7.3  MAR 155. 9.2 4.34 1.7 0 1.2 1.1 0 0 0 2750.0 102.5 8.6  AFR 155. 9.2 4.34 1.7 0 1.2 1.1 0 0 0 2750.0 102.2 2.0  JUL 150. 3.6 6.99 2.6 3.9 1.1 67. 4.0 3 0 2752.0 112.2 2.0  JUN 16. 6.9 6.39 2.6 3.9 1.1 67.4 0 3.0 2752.0 112.2 2.0  JUN 16. 6.9 6.39 2.6 6.50 2.3 13.3 5.3 303.1 8.6 0 0 0 2744.0 76.5 18.7  DEC 21. 1.3 3.07 1.0 0 1.1 2. 1.1 0 0 0 2744.0 76.5 18.7  DEC 22. 1.3 3.07 1.0 0 1.1 2. 1.1 0 0 0 2744.0 76.5 18.7  DEC 23. 1.3 3.07 1.0 1.2 1.1 0 0 0 2744.6 79.1 4.1  TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 0 2744.0 76.5 18.6  APR 250. 15.5 3.0 1.3 1.3 5.3 303.1 18.6 0 0 0 2744.0 76.5 18.6  APR 250. 15.5 3.0 1.3 1.7 7.0 1.1 2. 1.1 0 0 0 2744.0 76.5 18.6  DEC 75. 4.6 1.10 4 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1	MONTH	CFS	AF	INCHES	AF	AF	AF	CFS	AF	AF	AF	FT	AF	AF	
JAN 50, 3.1 91 3 0.0 .1 21 0.0 0 2745.8 83.9 2.7  FEB 94 5.2 1.09 .4 0.1 21 0.0 0 2746.9 88.6 4.7  MAR 109 6.7 1.76 .6 0.0 .1 21 0.0 0 2746.9 88.6 4.7  MAR 109 6.7 1.76 .6 0.0 .1 21 0.0 0 2749.1 98.4 3.8  MAY 70. 4.3 6.57 2.5 0.0 .1 21 0.0 0 2749.1 98.4 3.8  MAY 70. 4.3 7.55 2.8 8.9 1.5 175. 10.4 0.0 0 2749.1 10.1 1.7  JUN 55. 3.3 7.55 2.8 8.9 1.5 175. 10.4 0.0 0 2749.4 100.1 1.7  JUN 13. 8 8.84 2.9 19.2 10.8 488. 30.0 0 0 2747.2 99.2 -9.9  JUL 13. 8 8.84 2.9 19.2 10.8 488. 30.0 0 0 2747.2 99.2 -9.9  JUL 13. 8 8.84 2.9 19.2 10.8 488. 30.0 0 0 2747.2 10.2 4.6 -6.0  MOY 24. 1.4 2.01 2 0 1.6 12. 1 0 0 0 2720.4 13.0 -5.4  MOY 24. 1.4 2.01 2 0 1.2 1.1 0 0 0 2720.7 13.5 1.1  DEC 46 2.8 1.17 2 0 1.1 2. 1 0 0 0 2720.7 13.5 1.1  DEC 46 2.8 1.17 2 0 1.1 2. 1 0 0 0 2720.3 16.0 2.5  TOTAL 33.6 52.82 15.0 44.7 39.1 83.8 0 0 0 2746.1 86.6 5.4  FEB 10 7.8 98.4 0 1.2 1.1 0 0 0 2746.1 86.6 5.4  FEB 10 7.8 98.4 0 1.2 1.1 0 0 0 2746.1 93.9 7.3  MAR 153. 9.4 1.73 .7 0 1.2 1.1 0 0 0 2748.1 93.9 7.3  MAR 155. 9.2 4.34 1.7 0 1.2 1.1 0 0 0 2750.0 102.5 8.6  AFR 155. 9.2 4.34 1.7 0 1.2 1.1 0 0 0 2750.0 102.2 2.0  JUL 150. 3.6 6.99 2.6 3.9 1.1 67. 4.0 3 0 2752.0 112.2 2.0  JUN 16. 6.9 6.39 2.6 3.9 1.1 67.4 0 3.0 2752.0 112.2 2.0  JUN 16. 6.9 6.39 2.6 6.50 2.3 13.3 5.3 303.1 8.6 0 0 0 2744.0 76.5 18.7  DEC 21. 1.3 3.07 1.0 0 1.1 2. 1.1 0 0 0 2744.0 76.5 18.7  DEC 22. 1.3 3.07 1.0 0 1.1 2. 1.1 0 0 0 2744.0 76.5 18.7  DEC 23. 1.3 3.07 1.0 1.2 1.1 0 0 0 2744.6 79.1 4.1  TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 0 2744.0 76.5 18.6  APR 250. 15.5 3.0 1.3 1.3 5.3 303.1 18.6 0 0 0 2744.0 76.5 18.6  APR 250. 15.5 3.0 1.3 1.7 7.0 1.1 2. 1.1 0 0 0 2744.0 76.5 18.6  DEC 75. 4.6 1.10 4 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1															
PEB 94 5.2 1.09 .4 0.0 .1 21 .0 .0 2746.9 88.6 4.7  MAR 109. 6.7 1.76 .6 .0 .1 21 .0 .0 .0 2748.2 84.6 6.0  AFR 99. 5.9 5.43 2.0 .0 .1 21 .0 .0 .0 2748.2 84.6 6.0  MAY 70. 4.3 6.57 2.5 .0 .1 21 .0 .0 .0 2749.4 194.4 3.8  MAY 70. 4.3 6.57 2.5 .0 .1 21 .0 .0 .0 2749.4 194.4 3.8  MAY 70. 4.3 6.57 2.5 .0 .1 21 .0 .0 .0 2749.4 190.1 1.7  JUN 55. 3.3 7.53 2.8 8.9 1.5.175. 10.4 .0 .0 .0 2747.2 90.2 -9.9  JUL 13. 8 8.84 2.9 19.2 10.8 488. 30.0 .0 .0 .0 2739.0 58.1 -32.1  AUG 2. 1 7.84 1.8 14.6 23.4 618. 38.0 .0 .0 .0 2739.0 58.1 -32.1  AUG 2. 1 7.84 1.8 14.6 23.4 618. 38.0 .0 .0 .0 2730.4 13.0 -5.4  OCT 0. 0 3.84 .5 .0 .1 21 .0 .0 2720.4 13.0 -5.4  OCT 0. 0 3.84 .5 .0 .1 21 .0 .0 2720.7 13.5 1.1  DEC 46. 2.8 1.17 .2 .0 .1 21 .0 .0 2720.7 13.5 1.1  DEC 46. 2.8 1.17 .2 .0 .1 21 .0 .0 2722.3 16.0 2.5  TOTAL 33.6 52.82 15.0 44.7 39.1 83.8 .0 .0 .0  -65.2  MOST PROBABLE INFLOW CONDITIONS  JAN 94. 5.8 .88 .3 .0 .1 21 .0 .0 2748.4 86.6 5.4  APR 155. 9.4 1.73 .7 .0 .1 21 .0 .0 2758.0 10.2.5 10.9  MAY 153. 9.4 5.17 .1 .0 .1 21 .0 .0 2758.0 10.2.5 10.9  JUL 59. 3.6 7.40 2.9 12.8 4.9 288.17.7 .0 .0 2752.0 112.2 .2.3  JUN 116. 6.9 6.19 2.6 3.9 .1 67 4.0 3 .0 2752.0 112.2 .2.3  JUN 116. 6.9 6.19 2.6 3.9 .1 67 4.0 3 .0 2752.0 112.2 .2.3  JUN 116. 6.9 6.19 2.6 3.9 .1 67 4.0 3 .0 2752.0 112.2 .2.3  JUN 116. 6.9 6.19 2.6 3.9 .1 67 4.0 3 .0 2752.0 112.2 .0  DEC 75. 4.6 110 .4 6. 2.5 1.4 66. 3.9 .0 .0 2744.6 79.1 4.1  TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 2744.6 79.1 4.1  TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 2744.6 79.1 4.1  TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 2744.6 79.1 4.1  TOTAL 64.8 44.41 5.15 2.1 3.3 1.5 7. 3.4 8.6 .0 .0 2752.0 112.2 .0  JUN 275. 4.6 1.10 .4 0.1 21 0.0 0.0 2744.6 79.1 4.1  TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 2744.6 79.1 4.1  TOTAL 64.8 44.41 16.7 32.5 12.5 12.5 45.0 5.2 .0 2744.6 79.1 4.1														(a) 1 a)	
MAR 109. 6.7 1.76 .6 .0 .1 21 .0 .0 .2748.2 94.6 6.0 APR 99. 5.9 5.43 2.0 .0 .1 21 .0 .0 .0 .2749.4 100.1 1.7 JUN 55. 33.3 7.53 2.8 8.9 1.5 175. 10.4 .0 .0 .2749.4 100.1 1.7 JUN 55. 3.3 7.53 2.8 8.9 1.5 175. 10.4 .0 .0 .2749.4 100.1 1.7 JUN 55. 3.3 7.53 2.8 8.9 1.5 175. 10.4 .0 .0 .0 .2749.3 90.2 -9.9 JUL 13. 8 .8 .84 2.9 1.9 2 10.8 488. 30.0 .0 .0 .0 .2723.7 18.4 -39.7 SEP 00 5.83 .8 2.0 2.6 77. 4.6 .0 .0 .0 .2723.7 18.4 -39.7 SEP 00 5.83 .8 2.0 2.6 77. 4.6 .0 .0 .0 .2720.7 13.6 -5.4 NOV 24. 1.4 2.01 .2 .0 .1 21 .0 .0 .2720.7 13.5 1.1 DEC 46. 2.8 1.17 .2 .0 .1 21 .0 .0 .2720.7 13.5 1.1 DEC 46. 2.8 1.17 .2 .0 .1 21 .0 .0 .2722.3 16.0 2.5 TOTAL 33.6 52.82 15.0 44.7 39.1 83.8 .0 .0 .0 .2746.4 86.6 5.4 FEB 140. 7.8 .98 .4 .0 .1 21 .0 .0 .2746.4 86.6 5.4 FEB 140. 7.8 .98 .4 .0 .1 21 .0 .0 .2746.4 86.6 5.4 FEB 140. 7.8 .98 .4 .0 .1 21 .0 .0 .2750.0 12.2 .5 TOTAL 33.6 52.82 15.0 40.1 21 .0 .0 .0 .2746.4 86.6 5.4 FEB 140. 7.8 .98 .4 .0 .1 21 .0 .0 .0 .2746.4 86.6 5.4 JUN 15.5 .9.2 4.34 1.7 .0 .1 21 .0 .0 .2750.0 12.2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0															
APR 99. 5.9 5.43 2.0 .0 .1 21 .0 .0 .2749.1 98.4 3.8 MAY 70. 4.3 6.57 2.5 .0 .1 21 .0 .0 .0 2749.1 98.4 3.8 MAY 70. 4.3 6.57 2.5 .0 .1 21 .0 .0 .0 2749.1 98.4 3.8 MAY 70. 4.3 6.57 2.5 .0 .1 21 .0 .0 .0 2749.2 90.2 -9.9 JUL 13. 8.8 .84 2.9 19.2 10.8 488. 30.0 .0 .0 .0 2739.5 88.1 -32.1 AUG 21 7.84 1.8 14.6 23.4 618. 38.0 .0 .0 .0 .2739.7 18.4 -39.7 SEP 00 5.83 .8 2.0 2.6 77. 4.6 .0 .0 .2720.4 13.0 -5.4 OCT 00 3.84 .5 .0 .1 21 .0 .0 .0 2720.4 13.0 -5.4 OCT 00 3.84 .5 .0 .1 21 .0 .0 .0 2720.7 13.5 1.1 DEC 46. 2.8 1.17 .2 .0 .1 21 .0 .0 .0 2720.7 13.5 1.1 DEC 46. 2.8 1.17 .2 .0 .1 21 .0 .0 .0 2720.7 13.5 1.1 DEC 46. 2.8 1.17 .2 .0 .1 21 .0 .0 .0 2720.7 13.5 1.1 MAY 1.5 .9 .4 .5 .8 .8 .8 .3 .0 .1 21 .0 .0 .0 2722.3 16.0 2.5 TOTAL 33.6 52.82 15.0 44.7 39.1 83.8 .0 .0 .0 2746.4 86.6 5.4 FEB 140. 7.8 .98 .4 .0 .1 21 .0 .0 .0 2746.4 86.6 5.4 APR 153. 9.4 1.73 .7 .0 .1 21 .0 .0 .0 2750.0 102.5 8.6 APR 153. 9.4 1.73 .7 .0 .1 21 .0 .0 .0 2750.0 102.5 8.6 APR 153. 9.4 1.73 .7 .0 .1 21 .0 .0 .0 2750.0 102.5 8.6 APR 153. 9.4 1.73 .7 .0 .1 21 .0 .0 .0 2750.0 102.5 8.6 APR 155. 9.2 4.34 1.7 .0 .1 21 .0 .0 .0 2750.0 102.5 8.6 APR 155. 9.2 4.34 1.7 .0 .1 21 .0 .0 .0 2750.0 102.5 8.6 APR 155. 9.2 4.34 1.7 .0 .1 21 4.9 .0 .2 2752.0 112.2 .0 JUL 59. 3.6 7.40 2.9 12.8 4.9 288 1.7.7 .0 .0 2744.0 76.5 112.2 .0 JUL 59. 3.6 7.40 2.9 12.8 4.9 288 1.7.7 .0 .0 2744.0 76.5 -18.7 SEP 53 4.84 1.6 2.5 1.4 66. 3.9 .0 .0 2744.0 76.5 -18.7 SEP 53 4.84 1.6 2.5 1.4 66. 3.9 .0 .0 2744.0 76.5 -18.7 SEP 53 4.84 1.6 2.5 1.4 66. 3.9 .0 .0 2744.6 79.1 4.1 TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 .0 2744.6 79.1 4.1 TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 .0 2744.6 79.1 4.1 TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 .0 2744.6 79.1 4.1 TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 .0 2744.0 76.5 112.2 .0 .0 JUL 187.1 1.5 5.1 3.3 0.0 12.2 1.1 0.0 0.0 2744.0 76.5 112.2 .0 .0 JUL 187.1 1.5 5.1 3.3 0.0 12.2 1.1 0.0 0.0 2744.0 76.5 112.2 .0 .0 JUL 187.1 1.5 5.1 3.3 0.0 12.2 1.1 0.0 0															
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NOV 24. 1.4 2.01 .2 .0 .1 21 .0 .0 2720.7 13.5 1.1 DEC 46. 2.8 1.17 .2 .0 .1 21 .0 .0 .0 2722.3 16.0 2.5  TOTAL 33.6 52.82 15.0 44.7 39.1 83.8 .0 .0 .0 -65.2  **MOST PROBABLE INFLOW CONDITIONS**  JAN 94. 5.8 .88 .3 .0 .1 21 .0 .0 .2746.4 86.6 5.4 FEB 140. 7.8 .98 .4 .0 .1 21 .0 .0 .2746.1 93.9 7.3 MAR 153. 9.4 1.73 .7 .0 .1 21 .0 .0 .2751.5 109.9 7.4 MAY 153. 9.4 5.17 2.1 .0 .1 21 .0 .0 .2751.5 109.9 7.4 MAY 153. 9.4 5.17 2.1 .0 .1 21 4.9 .0 2752.0 112.2 2.3 JUN 116. 6.9 6.39 2.6 3.9 .1 67. 4.0 .3 .0 2752.0 112.2 2.3 JUN 259. 3.6 7.40 2.9 12.8 4.9 288. 17.7 .0 .0 .2744.4 95.2 -17.0 AUG 36. 2.2 6.50 2.3 13.3 5.3 303. 18.6 .0 .0 .0 2744.0 76.5 -18.7 SEP 53 4.84 1.6 2.5 1.4 66. 3.9 .0 .0 2742.6 71.3 -5.2 NOV 72. 4.3 2.01 .7 .0 .1 21 .0 .0 .0 2742.7 71.5 .2 NOV 72. 4.3 2.01 .7 .0 .1 21 .0 .0 .0 2744.6 79.1 4.1  TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 -2742.6 71.3 -5.2 AFR 260. 15.5 3.20 1.3 .0 .1 21 .0 .0 .0 2744.6 79.1 4.1  TOTAL 64.8 14.1 16.7 32.5 12.5 45.0 5.2 .0 -2752.0 112.2 .0 JUN 27. 14.1 5.15 2.1 3.3 .0 1.2 .1 .0 .0 .0 2744.0 79.1 4.1  TOTAL 64.8 24.4 1.6 .0 .1 21 .0 .0 .0 2744.0 79.1 4.1  TOTAL 64.8 3.5 1.5 1.5 1.5 1.5 1.5 1.5 .0 2752.0 112.2 .0  JUN 27. 14.1 5.15 2.1 3.3 .0 1.2 .1 .0 .0 .0 2744.0 79.1 4.1  TOTAL 64.8 3.6 1.6 .0 .1 21 .0 .0 .0 2752.0 112.2 .0  JUN 27. 14.1 5.15 2.1 3.3 .1 57.3 3.1 12.7 .0 .0 .0 2752.0 112.2 .0  JUN 27. 14.1 5.15 2.1 3.3 1.5 7.3 3.4 8.6 .0 .0 .2752.0 112.2 .0  JUN 27. 14.1 5.15 2.1 3.3 1.5 7.3 3.4 8.6 .0 .0 .0 2752.0 112.2 .0  JUN 27. 14.1 5.15 2.1 3.3 1.5 7.3 3.4 8.6 .0 .0 .0 2752.0 112.2 .0  JUN 27. 14.1 5.15 2.1 3.3 1.5 7.3 3.4 8.6 .0 .0 .0 2752.0 112.2 .0  JUN 27. 14.1 5.15 2.1 3.3 1.5 7.3 3.4 8.6 .0 .0 .0 2752.0 112.2 .0  JUN 27. 14.1 5.15 2.1 3.3 1.5 7.3 3.4 8.6 .0 .0 .0 2752.0 112.2 .0  JUN 27. 14.1 5.15 2.1 3.3 1.5 7.3 3.4 8.6 .0 .0 .0 2752.0 112.2 .0  JUN 27. 14.1 5.15 2.1 3.3 1.5 7.3 3.4 8.6 .0 .0 .0 2752.0 112.2 .0  JUN 27. 14.1 5.15 2.1 3.3 1.5 7.3 3.4 8.6 .0 .0 .0 2752.0 112.2 .0  JUN 27. 14.1 5.15 6.17 2.5 9.7 3.5 21															
DEC 46. 2.8 1.17 .2 .0 .1 21 .0 .0 .2722.3 16.0 2.5  TOTAL 33.6 52.82 15.0 44.7 39.1 83.8 .0 .0 .0 -65.2  **MOST PROBABLE INFLOW CONDITIONS**  JAN 94. 5.8 .88 .3 .0 .1 21 .0 .0 .2746.4 86.6 5.4 FEB 140. 7.8 .98 .4 .0 .1 21 .0 .0 .2746.1 93.9 7.3 MAR 153. 9.4 1.73 .7 .0 .1 21 .0 .0 .0 .2750.0 102.5 8.6 APR 155. 9.2 4.34 1.7 .0 .1 21 .0 .0 .0 .2751.5 109.9 7.4 MAY 153. 9.4 5.17 2.1 .0 .1 21 4.9 .0 .2752.0 112.2 2.3 JUN 116. 6.9 6.39 2.6 3.9 .1 67. 4.0 .3 .0 .2752.0 112.2 2.3 JUN 150. 6.9 6.39 2.6 3.9 .1 67. 4.0 .3 .0 .2752.0 112.2 .0 JUL 59. 3.6 7.40 2.9 12.8 4.9 288. 17.7 .0 .0 .0 .2744.0 76.5 -18.7 SEP 53 4.84 1.6 2.5 1.4 66. 3.9 .0 .0 .2744.0 76.5 -18.7 SEP 53 4.84 1.6 2.5 1.4 66. 3.9 .0 .0 .2744.0 76.5 -18.7 DEC 75. 4.6 1.10 .4 .0 .1 21 .0 .0 .0 .2744.6 75.0 3.5 DEC 75. 4.6 1.10 .4 .0 .1 21 .0 .0 .0 .2744.6 79.1 4.1 TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 .0 .2744.6 79.1 4.1 TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 .0 .2744.6 79.1 4.1 TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 .0 .0 .2744.6 79.1 4.1 JUL 28.1 1.0 .0 .0 .2744.1 79.1 4.1 TOTAL 64.8 44.11 16.7 32.5 12.5 45.0 5.2 .0 .0 .2752.0 112.2 .0 JUL 187. 11.5 5.5 3.20 1.3 .0 12.7 213. 12.7 .0 .0 .0 .2744.6 79.1 4.1 TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 .0 .2744.6 79.1 4.1 JUL 28.1 1.0 .0 .0 .2744.1 79.1 4.1 JUL 28.1 1.0 .0 .0 .0 .2744.1 79.1 4.1 JUL 28.1 1.0 .0 .0 .0 .2744.1 79.1 4.1 JUL 28.1 1.0 .0 .0 .0 .2744.1 79.1 4.1 JUL 28.1 1.0 .0 .0 .0 .2744.1 79.1 4.1 JUL 28.1 1.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .															
MOST PROBABLE INFLOW CONDITIONS  JAN 94. 5.8 .88 .3 .0 .1 21 .0 .0 .2746.4 86.6 5.4  FEB 140. 7.8 .98 .4 .0 .1 21 .0 .0 .2750.0 102.5 8.6  APR 155. 9.2 4.34 1.7 .0 .1 21 .0 .0 .0 .2751.5 109.9 7.4  MAY 153. 9.4 5.7 .21 .0 .1 21 4.9 .0 .2752.0 112.2 2.3  JUN 116. 6.9 6.39 2.6 3.9 .1 67. 4.0 .3 .0 .2752.0 112.2 .0  JUL 59. 3.6 7.40 2.9 12.8 4.9 288. 17.7 .0 .0 .2748.4 95.2 -17.0  AUG 36. 2.2 6.50 2.3 13.3 5.3 303. 18.6 .0 .0 .2742.6 71.3 -5.2  OCT 21. 1.3 3.07 1.0 .0 .1 21 .0 .0 .0 .2742.6 71.3 -5.2  OCT 21. 1.3 3.07 1.0 .0 .1 21 .0 .0 .0 .2742.6 71.3 -5.2  OCT 21. 1.3 3.07 1.0 .0 .1 21 .0 .0 .0 .2744.6 75.0 3.5  DEC 75. 4.6 1.10 .4 .0 .1 21 .0 .0 .0 .2744.6 79.1 4.1   TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0   **RASONABLE MAXIMUM INFLOW CONDITIONS**  JAN 122. 7.5 .85 .3 .0 .1 21 .0 .0 .0 .2744.6 79.1 4.1   **TOTAL 64.8 10.2 .92 .3 .0 .1 21 .0 .0 .0 .2744.6 79.1 4.1   TOTAL 64.8 10.2 .92 .3 .0 .1 21 .0 .0 .0 .2744.6 79.1 4.1   TOTAL 64.8 10.2 .92 .3 .0 .1 21 .0 .0 .0 .2744.6 79.1 4.1   TOTAL 64.8 10.2 .92 .3 .0 .1 21 .0 .0 .0 .2744.6 79.1 4.1   TOTAL 64.8 10.2 .92 .3 .0 .1 21 .0 .0 .0 .2745.8 88.3 7.1   FEB 184. 10.2 .92 .3 .0 .1 21 .0 .0 .0 .2744.6 79.1 4.1   TOTAL 64.8 11.5 5.6 .6 .0 .1 21 .0 .0 .0 .2745.0 112.2 .1   APR 260. 15.5 3.20 1.3 .0 12.7 213. 12.7 .0 .0 .0 .2745.0 112.2 .0   JUN 237. 14.1 5.15 5.1 1.3 3.1 5.5 1.1 5.0 .0 .0 .2751.7 110.7 12.6   APR 260. 15.5 3.20 1.3 .0 12.7 213. 12.7 .0 .0 .0 .2752.0 112.2 .0   JUN 237. 14.1 5.15 5.1 1.3 3.1 5.5 1.1 5.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .															
MOST PROBABLE INFLOW CONDITIONS  JAN 94. 5.8 .88 .3 .0 .1 21 .0 .0 .2746.4 86.6 5.4 FEB 140. 7.8 .98 .4 .0 .1 21 .0 .0 .0 .2748.1 93.9 7.3 MAR 153. 9.4 1.73 .7 .0 .1 21 .0 .0 .0 .2750.0 102.5 8.6 APR 155. 9.2 4.34 1.7 .0 .1 21 .0 .0 .0 .2751.5 109.9 7.4 MAY 153. 9.4 5.17 2.1 .0 .1 21 4.9 .0 .2751.0 112.2 2.3 JUN 116. 6.9 6.39 2.6 3.9 .1 67. 4.0 .3 .0 .2752.0 112.2 .0 JUL 59. 3.6 7.40 2.9 12.8 4.9 288. 17.7 .0 .0 .2748.4 95.2 -17.0 AIG 36. 2.2 6.50 2.3 13.3 5.3 303. 18.6 .0 .0 .2744.0 76.5 -18.7 SEP 53 4.84 1.6 2.5 1.4 66. 3.9 .0 .0 .2744.0 76.5 -18.7 SEP 53 4.84 1.6 2.5 1.4 66. 3.9 .0 .0 .2742.7 71.5 .2 NOV 72. 4.3 2.01 .7 .0 .1 21 .0 .0 .0 .2743.6 75.0 3.5 DEC 75. 4.6 1.10 .4 .0 .1 21 .0 .0 .2744.6 79.1 4.1 TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 .2744.6 79.1 4.1 TOTAL 64.8 14.1 16.7 32.5 12.5 45.0 5.2 .0 .0 .2744.6 79.1 4.1 TOTAL 64.8 14.1 16.7 32.5 12.5 45.0 5.2 .0 .0 .2744.6 79.1 4.1 TOTAL 64.8 14.1 16.7 32.5 12.5 45.0 5.2 .0 .0 .2744.6 79.1 4.1 TOTAL 64.8 64.8 14.1 16.7 32.5 12.5 45.0 5.2 .0 .0 .2744.6 79.1 4.1 TOTAL 64.8 64.8 14.1 16.7 32.5 12.5 45.0 5.2 .0 .0 .2744.6 79.1 4.1 TOTAL 64.8 64.8 14.1 16.7 32.5 12.5 45.0 5.2 .0 .0 .0 .2744.6 79.1 4.1 TOTAL 64.8 64.8 14.1 16.7 32.5 12.5 45.0 5.2 .0 .0 .0 .2744.6 79.1 4.1 TOTAL 64.8 64.8 14.1 16.7 32.5 12.5 45.0 5.2 .0 .0 .0 .2744.6 79.1 4.1 TOTAL 64.8 64.8 14.1 16.7 32.5 12.5 45.0 5.2 .0 .0 .0 .2744.6 79.1 4.1 TOTAL 64.8 64.8 14.1 16.7 32.5 12.5 12.5 45.0 5.2 .0 .0 .0 .2744.6 79.1 4.1 TOTAL 64.8 64.8 14.1 16.7 32.5 12.5 12.5 45.0 5.2 .0 .0 .0 .2744.6 79.1 4.1 TOTAL 64.8 64.8 14.1 16.7 32.5 12.5 12.5 45.0 5.2 .0 .0 .0 .2744.6 79.1 4.1 TOTAL 64.8 64.8 14.1 16.7 32.5 12.5 12.5 12.5 12.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	DEC	46.	2.8	1.17	. 2	. 0	.1	2.	.1	.0	. 0	2722.3	16.0	2.5	
JAN 94. 5.8 .88 .3 .0 .1 21 .0 .0 .2746.4 86.6 5.4 FEB 140. 7.8 .98 .4 .0 .1 21 .0 .0 .0 .2748.1 93.9 7.3 MAR 153. 9.4 1.73 .7 .0 .1 21 .0 .0 .0 .2750.0 102.5 8.6 APR 155. 9.2 4.34 1.77 .0 .1 21 .0 .0 .0 .2751.5 109.9 7.4 MAY 153. 9.4 5.17 2.1 .0 .1 21 4.9 .0 .2751.5 109.9 7.4 MAY 153. 9.4 5.17 2.1 .0 .1 21 4.9 .0 .2752.0 112.2 2.3 JJN 116. 6.9 6.39 2.6 3.9 .1 67. 4.0 .3 .0 .2752.0 112.2 .0 JUL 59. 3.6 7.40 2.9 12.8 4.9 288. 17.7 .0 .0 .2748.4 95.2 -17.0 AUG 36. 2.2 6.50 2.3 13.3 5.3 303. 18.6 .0 .0 .2744.0 76.5 -18.7 SEP 53 4.84 1.6 2.5 1.4 66. 3.9 .0 .0 .2742.6 71.3 5-2.2 OCT 21. 1.3 3.07 1.0 .0 .1 21 .0 .0 .0 .2742.6 71.3 5-2.2 OCT 21. 1.3 3.07 1.0 .0 .1 21 .0 .0 .0 .2742.6 71.3 5-2.2 OCT 21. 1.3 3.07 1.0 .0 .1 21 .0 .0 .0 .2743.6 75.0 3.5 DEC 75. 4.6 1.10 .4 .0 .1 21 .0 .0 .2744.6 79.1 4.1 TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 2744.6 79.1 4.1 TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 2746.8 88.3 7.1 FEB 184. 10.2 .92 .3 .0 .1 21 .0 .0 .0 .2744.6 79.1 4.1 TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 2746.8 88.3 7.1 FEB 184. 10.2 .92 .3 .0 .1 21 .0 .0 .2749.0 98.1 9.8 MAR 216. 13.3 1.65 .6 .0 .1 21 .0 .0 .0 .2749.0 98.1 9.8 MAR 26.1 13.3 1.65 .6 .0 .1 21 .0 .0 .0 .2749.0 98.1 9.8 MAY 280. 17.2 3.86 1.6 .0 .1 21 15.5 .0 .2752.0 112.2 .0 JUN 237. 14.1 5.15 2.1 3.3 .0 12.7 213. 12.7 .0 .0 .0 .2752.0 112.2 .0 JUN 237. 14.1 5.15 2.1 3.3 .0 12.7 213. 12.7 .0 .0 .0 .2752.0 112.2 .0 JUN 237. 14.1 5.15 2.1 3.3 .1 57. 3.4 8.6 .0 .2752.0 112.2 .0 JUN 237. 14.1 5.15 2.1 3.3 .1 57. 3.4 8.6 .0 .0 .2752.0 112.2 .0 JUL 187. 11.5 6.17 2.5 9.7 3.5 215.1 3.2 .0 .0 .0 .2752.0 112.2 .0 JUL 187. 11.5 6.17 2.5 9.7 3.5 215.1 3.2 .0 .0 .0 .2752.0 112.2 .0 JUL 187. 11.5 6.17 2.5 9.7 3.5 215. 13.2 .0 .0 .0 .2752.0 112.2 .0 JUL 187. 11.5 6.17 2.5 9.7 3.5 215. 13.2 .0 .0 .0 .2752.0 112.2 .0 JUL 187. 11.5 6.17 2.5 9.7 3.5 215. 13.2 .0 .0 .0 .2752.0 112.2 .0 JUL 187. 11.5 6.17 2.5 9.7 3.5 215. 13.2 .0 .0 .0 .2752.0 112.2 .0 JUL 187. 11.5 6.17 2.5 9.7 3.5 215. 13.2 .0 .0 .0	TOTAL		33.6	52.82	15.0	44.7	39.1		83.8	.0	. 0			-65.2	
FEB 140. 7.8						MOST	PROBAL	BLE IN	IFLOW CO	ONDITIONS					
MAR 153. 9.4 1.73 .7 .0 .1 21 .0 .0 .2750.0 102.5 8.6  APR 155. 9.2 4.34 1.7 .0 .1 21 .0 .0 .0 2751.5 109.9 7.4  MAY 153. 9.4 5.17 2.1 .0 .1 21 4.9 .0 2752.0 112.2 2.3  JUN 116. 6.9 6.39 2.6 3.9 .1 67. 4.0 .3 .0 2752.0 112.2 .0  JUL 59. 3.6 7.40 2.9 12.8 4.9 288. 17.7 .0 .0 2748.4 95.2 -17.0  AUG 36. 2.2 6.50 2.3 13.3 5.3 303. 18.6 .0 .0 2744.0 76.5 -18.7  SEP 53 4.84 1.6 2.5 1.4 66. 3.9 .0 .0 2742.6 71.3 -5.2  OCT 21. 1.3 3.07 1.0 .0 .1 21 .0 .0 2743.6 75.0 3.5  DEC 75. 4.6 1.10 .4 .0 .1 21 .0 .0 2744.6 79.1 4.1  TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 2744.6 79.1 4.1  TOTAL 64.8 10.2 .92 .3 .0 .1 21 .0 .0 2744.6 79.1 4.1  FEB 184. 10.2 .92 .3 .0 .1 21 .0 .0 2749.0 98.1 9.8  MAR 216. 13.3 1.65 .6 .0 .0 .1 21 .0 .0 2749.0 98.1 9.8  MAR 226. 15.5 3.20 1.3 .0 12.7 213. 12.7 .0 .0 2752.0 112.2 .0  JUN 237. 14.1 5.15 2.1 3.3 .1 57. 3.4 8.6 .0 2752.0 112.2 .0  JUN 237. 14.1 5.15 2.1 3.3 .1 57. 3.4 8.6 .0 2752.0 112.2 .0  JUL 187. 11.5 6.17 2.5 9.7 3.5 215. 13.2 .0 .0 2751.0 112.2 .0  JUL 187. 11.5 6.17 2.5 9.7 3.5 215. 13.2 .0 .0 2751.0 112.2 .0  JUL 187. 11.5 6.17 2.5 9.7 3.5 215. 13.2 .0 .0 .0 2751.0 112.2 .0  JUL 187. 11.5 6.17 2.5 9.7 3.5 215. 13.2 .0 .0 .0 2751.0 112.2 .0  AUG 85. 5.2 5.32 2.1 8.4 3.5 194. 11.9 0 .0 2751.0 112.2 .0  OCT 117. 7.2 2.24 .9 .0 .1 21 .0 .0 2751.0 112.2 .0  NOV 134. 8.0 2.01 .8 .0 .1 21 3.5 .0 2752.0 112.2 .0  OCT 117. 7.2 2.24 .9 .0 .1 21 3.5 .0 2752.0 112.2 .0  OCT 117. 7.2 2.24 .9 .0 .1 21 3.5 .0 2752.0 112.2 .0  OCT 117. 7.2 2.24 .9 .0 .1 21 3.5 .0 2752.0 112.2 .0  OCT 117. 7.2 2.24 .9 .0 .1 21 3.5 .0 2752.0 112.2 .0	JAN	94.	5.8	.88	.3	. 0	.1	2.	. 1	. 0	. 0	2746.4	86.6	5.4	
APR 155. 9.2 4.34 1.7 .0 .1 21 .0 .0 .2751.5 109.9 7.4  MAY 153. 9.4 5.17 2.1 .0 .1 21 4.9 .0 .2752.0 112.2 2.3  JUN 116. 6.9 6.39 2.6 3.9 .1 67. 4.0 .3 .0 .2752.0 112.2 .0  JUL 59. 3.6 7.40 2.9 12.8 4.9 288. 17.7 .0 .0 .0 2744.4 76.5 -18.7  SEP 53 4.84 1.6 2.5 1.4 66. 3.9 .0 .0 .2744.0 76.5 -18.7  SEP 53 4.84 1.6 2.5 1.4 66. 3.9 .0 .0 .2742.6 71.3 -5.2  OCT 21. 1.3 3.07 1.0 .0 .1 21 .0 .0 .2742.6 71.3 -5.2  NOV 72. 4.3 2.01 .7 .0 .1 21 .0 .0 .2744.6 79.1 4.1  TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 .2744.6 79.1 4.1  TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 .0 .2744.6 79.1 4.1  FEB 184. 10.2 .92 .3 .0 .1 21 .0 .0 .2749.0 98.1 9.8  MAR 216. 13.3 1.65 .6 .0 .1 21 .0 .0 .2749.0 98.1 9.8  MAR 226. 15.5 3.20 1.3 .0 12.7 213. 12.7 .0 .0 .2752.0 112.2 .0  JUL 237. 14.1 5.15 2.1 3.3 1.57. 3.4 8.6 .0 2752.0 112.2 .0  JUL 247. 17.5 6.17 2.5 9.7 3.5 215. 13.2 .0 .0 2752.0 112.2 .0  JUL 187. 115. 6.17 2.5 9.7 3.5 215. 13.2 .0 .0 2752.0 112.2 .0  JUL 187. 115. 6.17 2.5 9.7 3.5 215. 13.2 .0 .0 2752.0 112.2 .0  JUL 187. 115. 6.17 2.5 9.7 3.5 215. 13.2 .0 .0 2752.0 112.2 .0  JUL 187. 115. 6.17 2.5 9.7 3.5 215. 13.2 .0 .0 2752.0 112.2 .0  JUL 187. 17.7 2 2.24 .9 .0 .1 21 .0 .0 2749.9 102.4 3.2  OCT 117. 7.2 2.24 .9 .0 .1 21 .0 .0 .0 2752.0 112.2 .0  NOV 134. 8.0 2.01 .8 .0 .1 21 3.5 .0 2752.0 112.2 3.6  DEC 111. 6.8 1.00 .4 .0 .1 21 3.5 .0 2752.0 112.2 3.6	FEB	140.	7.8	.98	. 4	. 0	.1	2.	.1	. 0	. 0	2748.1	93.9	7.3	
MAY 153. 9.4 5.17 2.1 .0 .1 21 4.9 .0 2752.0 112.2 2.3  JUN 116. 6.9 6.39 2.6 3.9 .1 67. 4.0 .3 .0 2752.0 112.2 .0  JUL 59. 3.6 7.40 2.9 12.8 4.9 288. 17.7 .0 .0 .2748.4 95.2 -17.0  AUG 36. 2.2 6.50 2.3 13.3 5.3 303. 18.6 .0 .0 .2744.0 76.5 -18.7  SEP 53 4.84 1.6 2.5 1.4 66. 3.9 .0 .0 2742.6 71.3 -5.2  OCT 21. 1.3 3.07 1.0 .0 .1 21 .0 .0 2742.6 71.3 -5.2  NOV 72. 4.3 2.01 .7 .0 .1 21 .0 .0 .2743.6 75.0 3.5  DEC 75. 4.6 1.10 .4 .0 .1 21 .0 .0 .2744.6 79.1 4.1  TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 2744.6 79.1 4.1  FEB 184. 10.2 .92 .3 .0 .1 21 .0 .0 .2749.0 98.1 9.8  MAR 216. 13.3 1.65 .6 .0 .1 21 .0 .0 .2749.0 98.1 9.8  MAR 226. 15.5 3.20 1.3 .0 12.7 213. 12.7 .0 .0 .2752.0 112.2 1.5  MAY 280. 17.2 3.86 1.6 .0 .1 21 15.5 .0 2752.0 112.2 .0  JUN 237. 14.1 5.15 2.1 3.3 1.57. 3.4 8.6 .0 2752.0 112.2 .0  JUL 187. 11.5 6.17 2.5 9.7 3.5 215 13.2 .0 .0 2752.0 112.2 .0  JUL 187. 11.5 6.17 2.5 9.7 3.5 215. 13.2 .0 .0 2749.9 99.2 -8.8  SEP 104. 6.2 3.76 1.4 1.5 1.7 1.7 1.6 .0 .0 2749.9 102.4 3.2  OCT 117. 7.2 2.24 .9 .0 .1 21 3.5 .0 2752.0 112.2 3.6  DEC 111. 6.8 1.00 .4 .0 .1 21 3.5 .0 2752.0 112.2 3.6  DEC 111. 6.8 1.00 .4 .0 .1 21 3.5 .0 2752.0 112.2 3.6  DEC 111. 6.8 1.00 .4 .0 .1 21 3.5 .0 2752.0 112.2 3.6	MAR	153.	9.4	1.73	.7	. 0	.1	2.	.1	. 0	. 0	2750.0	102.5	8.6	
JUN 116. 6.9 6.39 2.6 3.9 .1 67. 4.0 .3 .0 2752.0 112.2 .0  JUL 59. 3.6 7.40 2.9 12.8 4.9 288. 17.7 .0 .0 2748.4 95.2 -17.0  AUG 36. 2.2 6.50 2.3 13.3 5.3 303. 18.6 .0 .0 2744.0 76.5 -18.7  SEP 53 4.84 1.6 2.5 1.4 66. 3.9 .0 .0 2742.6 71.3 -5.2  OCT 21. 1.3 3.07 1.0 .0 .1 21 .0 .0 2743.6 75.0 3.5  DEC 75. 4.6 1.10 .4 .0 .1 21 .0 .0 2744.6 79.1 4.1  TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 2744.6 79.1 4.1  TOTAL 64.8 10.2 .92 .3 .0 .1 21 .0 .0 .0 2749.0 98.1 9.8  MAR 216. 13.3 1.65 .6 .0 .1 21 .0 .0 .0 2749.0 98.1 9.8  MAR 216. 13.3 1.65 .6 .0 .1 21 .0 .0 .0 2752.0 112.2 1.0  MAY 280. 17.2 3.86 1.6 .0 .1 21 15.5 .0 2752.0 112.2 .0  JUL 187. 11.5 6.17 2.5 9.7 3.5 215. 13.2 .0 .0 2752.0 112.2 .0  JUL 187. 11.5 6.17 2.5 9.7 3.5 215. 13.2 .0 .0 2752.0 112.2 .0  JUL 187. 11.5 6.17 2.5 9.7 3.5 215. 13.2 .0 .0 2749.2 99.2 -8.8  SEP 104. 6.2 3.76 1.4 1.5 1.5 2.1 8.0 1.2 .1 0 0.0 2749.9 102.4 3.2  OCT 117. 7.2 2.24 .9 .0 .1 21 0.0 .0 2752.0 112.2 3.6  DEC 111. 6.8 1.00 .4 .0 .1 21 3.5 .0 2752.0 112.2 3.6  DEC 111. 6.8 1.00 .4 .0 .1 21 3.5 .0 2752.0 112.2 3.6	APR	155.	9.2	4.34	1.7	.0	.1	2.	.1	. 0	.0	2751.5	109.9	7.4	
JUL 59. 3.6 7.40 2.9 12.8 4.9 288. 17.7 .0 .0 2748.4 95.2 -17.0 AUG 36. 2.2 6.50 2.3 13.3 5.3 303. 18.6 .0 .0 2744.0 76.5 -18.7 SEP 53 4.84 1.6 2.5 1.4 66. 3.9 .0 .0 2742.6 71.3 -5.2 OCT 21. 1.3 3.07 1.0 .0 .1 21 .0 .0 .0 2743.6 75.0 3.5 DEC 75. 4.6 1.10 .4 .0 .1 21 .0 .0 .0 2744.6 79.1 4.1 TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 -2744.6 79.1 4.1 TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 -2744.6 79.1 4.1 FEB 184. 10.2 .92 .3 .0 .1 21 .0 .0 .0 2749.0 98.1 9.8 MAR 216. 13.3 1.65 .6 .0 .1 21 .0 .0 .0 2751.7 110.7 12.6 APR 260. 15.5 3.20 1.3 .0 12.7 213. 12.7 .0 .0 2752.0 112.2 1.5 MAY 280. 17.2 3.86 1.6 .0 .1 21 15.5 .0 2752.0 112.2 .0 JUL 187. 11.5 6.17 2.5 9.7 3.5 12.5 13.2 .0 .0 2752.0 112.2 .0 JUL 187. 11.5 6.17 2.5 9.7 3.5 215. 13.2 .0 .0 2751.1 108.0 -4.2 AUG 85. 5.2 5.32 2.1 8.4 3.5 194. 11.9 .0 .0 2749.9 102.4 3.2 OCT 117. 7.2 2.24 .9 .0 .1 21 .0 .0 2752.0 112.2 3.6 OCT 117. 7.2 2.24 .9 .0 .1 21 .0 .0 2752.0 112.2 3.6 OCT 117. 7.2 2.24 .9 .0 .1 21 .0 .0 2752.0 112.2 3.6 OCT 117. 7.2 2.24 .9 .0 .1 21 3.5 .0 2752.0 112.2 3.6 OCT 117. 7.2 2.24 .9 .0 .1 21 3.5 .0 2752.0 112.2 3.6 OCT 117. 7.2 2.24 .9 .0 .1 21 3.5 .0 2752.0 112.2 3.6 OCT 117. 7.2 2.24 .9 .0 .1 21 3.5 .0 2752.0 112.2 3.6 OCT 117. 7.2 2.24 .9 .0 .1 21 3.5 .0 2752.0 112.2 3.6 OCT 117. 7.2 2.24 .9 .0 .1 21 3.5 .0 2752.0 112.2 3.6 OCT 117. 7.2 2.24 .9 .0 .1 21 3.5 .0 2752.0 112.2 3.6 OCT 117. 6.8 1.00 .4 .0 .1 21 3.5 .0 2752.0 112.2 3.6 OCT 117. 6.8 1.00 .4 .0 .1 21 3.5 .0 2752.0 112.2 3.6 OCT 117. 6.8 1.00 .4 .0 .1 21 3.5 .0 2752.0 112.2 3.6 OCT 117. 6.8 1.00 .4 .0 .1 21 6.3 .0 2752.0 112.2 3.6 OCT 117. 6.8 1.00 .4 .0 .1 21 6.3 .0 2752.0 112.2 3.6 OCT 117. 6.8 1.00 .4 .0 .1 21 6.3 .0 2752.0 112.2 3.6 OCT 117. 6.8 1.00 .4 .0 .1 21 6.3 .0 2752.0 112.2 3.6 OCT 117. 6.8 1.00 .4 .0 .1 21 6.3 .0 2752.0 112.2 3.6 OCT 117. 6.8 1.00 .4 .0 .1 21 6.3 .0 2752.0 112.2 3.6 OCT 117. 6.8 1.00 .4 .0 .1 21 6.3 .0 .1 21 6.3 .0 2752.0 112.2 3.6 OCT 117. 6.8 1.00 .4 .0 .1 21 6.3 .	MAY	153.	9.4	5.17	2.1	. 0	. 1	2.	. 1	4.9	. 0	2752.0	112.2	2.3	
AUG 36. 2.2 6.50 2.3 13.3 5.3 303. 18.6 .0 .0 2744.0 76.5 -18.7 SEP 53 4.84 1.6 2.5 1.4 66. 3.9 .0 .0 2742.6 71.3 -5.2 OCT 21. 1.3 3.07 1.0 .0 .1 21 .0 .0 .0 2742.7 71.5 .2 NOV 72. 4.3 2.01 .7 .0 .1 21 .0 .0 .0 2743.6 75.0 3.5 DEC 75. 4.6 1.10 .4 .0 .1 21 .0 .0 .0 2744.6 79.1 4.1 TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 -2744.6 79.1 4.1 TOTAL 64.8 10.2 .92 .3 .0 .1 21 .0 .0 .0 2746.8 88.3 7.1 FEB 184. 10.2 .92 .3 .0 .1 21 .0 .0 .0 2749.0 98.1 9.8 MAR 216. 13.3 1.65 .6 .0 .1 21 .0 .0 .0 2749.0 98.1 9.8 MAR 260. 15.5 3.20 1.3 .0 12.7 213. 12.7 .0 .0 .0 2751.7 110.7 12.6 APR 260. 15.5 3.20 1.3 .0 12.7 213. 12.7 .0 .0 .0 2752.0 112.2 .0 JUN 237. 14.1 5.15 2.1 3.3 .1 57. 3.4 8.6 .0 2752.0 112.2 .0 JUN 237. 14.1 5.15 2.1 3.3 .1 57. 3.4 8.6 .0 2752.0 112.2 .0 JUL 187. 11.5 6.17 2.5 9.7 3.5 215. 13.2 .0 .0 .0 2749.9 90.2 -8.8 SEP 104. 6.2 3.76 1.4 1.5 1.7 1.7 1.6 .0 .0 2751.0 112.2 .0 OCT 117. 7.2 2.24 .9 .0 .1 21 .0 .0 .0 2752.0 112.2 .0 OCT 117. 7.2 2.24 .9 .0 .1 21 3.5 .0 2752.0 112.2 3.6 DEC 111. 6.8 1.00 .4 .0 .1 21 3.5 .0 2752.0 112.2 3.6 DEC 111. 6.8 1.00 .4 .0 .1 21 3.5 .0 2752.0 112.2 3.6 DEC 111. 6.8 1.00 .4 .0 .1 21 3.5 .0 2752.0 112.2 3.6	JUN	116.	6.9	6.39	2.6	3.9	.1	67.	4.0	. 3	.0	2752.0	112.2	.0	
SEP 53 4.84 1.6 2.5 1.4 66. 3.9 .0 .0 2742.6 71.3 -5.2 OCT 21. 1.3 3.07 1.0 .0 .1 21 .0 .0 .0 2742.7 71.5 .2 NOV 72. 4.3 2.01 .7 .0 .1 21 .0 .0 .0 2743.6 75.0 3.5 DEC 75. 4.6 1.10 .4 .0 .1 21 .0 .0 .0 2744.6 79.1 4.1 TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 -2.1    **REASONABLE MAXIMUM INFLOW CONDITIONS**  JAN 122. 7.5 .85 .3 .0 .1 21 .0 .0 .2744.8 88.3 7.1 FEB 184. 10.2 .92 .3 .0 .1 21 .0 .0 .2749.0 98.1 9.8 MAR 216. 13.3 1.65 .6 .0 .1 21 .0 .0 .2749.0 98.1 9.8 MAR 260. 15.5 3.20 1.3 .0 12.7 213. 12.7 .0 .0 .2751.7 110.7 12.6 APR 260. 15.5 3.20 1.3 .0 12.7 213. 12.7 .0 .0 .0 2752.0 112.2 .0 JUN 237. 14.1 5.15 2.1 3.3 .1 57. 3.4 8.6 .0 2752.0 112.2 .0 JUN 237. 14.1 5.15 2.1 3.3 .1 57. 3.4 8.6 .0 2752.0 112.2 .0 JUL 187. 11.5 6.17 2.5 9.7 3.5 215. 13.2 .0 .0 .2749.2 99.2 -8.8 SEP 104. 6.2 3.76 1.4 1.5 .1 27. 1.6 .0 .0 .2749.2 99.2 -8.8 SEP 104. 6.2 3.76 1.4 1.5 .1 27. 1.6 .0 .0 .0 2749.9 102.4 3.2 OCT 117. 7.2 2.24 .9 .0 .1 21 3.5 .0 2752.0 112.2 .0 ON 134. 8.0 2.01 .8 .0 .1 21 3.5 .0 2752.0 112.2 .0 ON 134. 8.0 2.01 .8 .0 .1 21 3.5 .0 2752.0 112.2 3.6 DEC 111. 6.8 1.00 .4 .0 .1 21 3.5 .0 2752.0 112.2 3.6 DEC 111. 6.8 1.00 .4 .0 .1 21 3.5 .0 2752.0 112.2 3.6	JUL	59.	3.6	7.40	2.9	12.8	4.9	288.	17.7	. 0	.0	2748.4	95.2	-17.0	
OCT 21. 1.3 3.07 1.0 .0 .1 21 .0 .0 .2742.7 71.5 .2  NOV 72. 4.3 2.01 .7 .0 .1 21 .0 .0 .0 2743.6 75.0 3.5  DEC 75. 4.6 1.10 .4 .0 .1 21 .0 .0 .0 2744.6 79.1 4.1  TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 -2744.6 79.1 4.1  TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 -2744.6 79.1 4.1  TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 -2744.6 79.1 4.1  REASONABLE MAXIMUM INPLOW CONDITIONS  JAN 122. 7.5 .85 .3 .0 .1 21 .0 .0 .0 2746.8 88.3 7.1  FEB 184. 10.2 .92 .3 .0 .1 21 .0 .0 .2749.0 98.1 9.8  MAR 216. 13.3 1.65 .6 .0 .1 21 .0 .0 .2749.0 98.1 9.8  MAR 260. 15.5 3.20 1.3 .0 12.7 213. 12.7 .0 .0 .2751.7 110.7 12.6  APR 260. 15.5 3.20 1.3 .0 12.7 213. 12.7 .0 .0 .2752.0 112.2 1.5  MAY 280. 17.2 3.86 1.6 .0 .1 21 15.5 .0 2752.0 112.2 .0  JUN 237. 14.1 5.15 2.1 3.3 .1 57. 3.4 8.6 .0 2752.0 112.2 .0  JUL 187. 11.5 6.17 2.5 9.7 3.5 215. 13.2 .0 .0 .2752.0 112.2 .0  JUL 187. 11.5 6.17 2.5 9.7 3.5 215. 13.2 .0 .0 .0 2749.2 99.2 -8.8  SEP 104. 6.2 3.76 1.4 1.5 .1 27. 1.6 .0 .0 .0 2749.9 102.4 3.2  OCT 117. 7.2 2.24 .9 .0 .1 21 .0 .0 .0 2751.2 108.6 6.2  NOV 134. 8.0 2.01 .8 .0 .1 21 3.5 .0 2752.0 112.2 3.6  DEC 111. 6.8 1.00 .4 .0 .1 21 3.5 .0 2752.0 112.2 3.6	AUG	36.	2.2	6.50	2.3	13.3	5.3	303.	18.6	. 0	. 0	2744.0	76.5	-18.7	
NOV 72. 4.3 2.01 .7 .0 .1 21 .0 .0 .2743.6 75.0 3.5 DEC 75. 4.6 1.10 .4 .0 .1 21 .0 .0 .0 .2744.6 79.1 4.1  TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 -2.1  REASONABLE MAXIMUM INFLOW CONDITIONS  JAN 122. 7.5 .85 .3 .0 .1 21 .0 .0 .2746.8 88.3 7.1 FEB 184. 10.2 .92 .3 .0 .1 21 .0 .0 .2749.0 98.1 9.8 MAR 216. 13.3 1.65 .6 .0 .1 21 .0 .0 .2751.7 110.7 12.6 APR 260. 15.5 3.20 1.3 .0 12.7 213. 12.7 .0 .0 .2752.0 112.2 1.5 MAY 280. 17.2 3.86 1.6 .0 .1 21 15.5 .0 .2752.0 112.2 .0 JUN 237. 14.1 5.15 2.1 3.3 .1 57. 3.4 8.6 .0 .2752.0 112.2 .0 JUL 187. 11.5 6.17 2.5 9.7 3.5 215. 13.2 .0 .0 .2749.2 99.2 -8.8 SEP 104. 6.2 3.76 1.4 1.5 .1 27. 1.6 .0 .0 .2749.9 102.4 3.2 OCT 117. 7.2 2.24 .9 .0 .1 21 3.5 .0 .2752.0 112.2 3.6 DEC 111. 6.8 1.00 .4 .0 .1 21 6.3 .0 .2752.0 112.2 3.6	SEP	5.	. 3	4.84	1.6	2.5	1.4	66.	3.9	. 0	. 0	2742.6	71.3	-5.2	
DEC 75. 4.6 1.10 .4 .0 .1 21 .0 .0 .2744.6 79.1 4.1  TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 -2.1  REASONABLE MAXIMUM INFLOW CONDITIONS  JAN 122. 7.5 .85 .3 .0 .1 21 .0 .0 .2746.8 88.3 7.1  FEB 184. 10.2 .92 .3 .0 .1 21 .0 .0 .2749.0 98.1 9.8  MAR 216. 13.3 1.65 .6 .0 .1 21 .0 .0 .2751.7 110.7 12.6  APR 260. 15.5 3.20 1.3 .0 12.7 213. 12.7 .0 .0 .2752.0 112.2 1.5  MAY 280. 17.2 3.86 1.6 .0 .1 21 15.5 .0 2752.0 112.2 .0  JUN 237. 14.1 5.15 2.1 3.3 .1 57. 3.4 8.6 .0 .2752.0 112.2 .0  JUL 187. 11.5 6.17 2.5 9.7 3.5 215. 13.2 .0 .0 .0 2751.1 108.0 -4.2  AUG 85. 5.2 5.32 2.1 8.4 3.5 194. 11.9 .0 .0 .2749.9 99.2 -8.8  SEP 104. 6.2 3.76 1.4 1.5 1.5 .1 27. 1.6 .0 .0 .2749.9 102.4 3.2  OCT 117. 7.2 2.24 .9 .0 .1 21 3.5 .0 .2752.0 112.2 3.6  DEC 111. 6.8 1.00 .4 .0 .1 21 3.5 .0 .2752.0 112.2 3.6	OCT	21.	1.3	3.07	1.0	. 0	.1	2.	. 1	. 0	. 0	2742.7	71.5	. 2	
TOTAL 64.8 44.41 16.7 32.5 12.5 45.0 5.2 .0 -2.1  REASONABLE MAXIMUM INFLOW CONDITIONS  JAN 122. 7.5 .85 .3 .0 .1 21 .0 .0 .2746.8 88.3 7.1 FEB 184. 10.2 .92 .3 .0 .1 21 .0 .0 .0 .2749.0 98.1 9.8 MAR 216. 13.3 1.65 .6 .0 .1 21 .0 .0 .0 .2751.7 110.7 12.6 APR 260. 15.5 3.20 1.3 .0 12.7 213. 12.7 .0 .0 .2752.0 112.2 1.5 MAY 280. 17.2 3.86 1.6 .0 .1 21 15.5 .0 .2752.0 112.2 .0 JUN 237. 14.1 5.15 2.1 3.3 .1 57. 3.4 8.6 .0 .2752.0 112.2 .0 JUL 187. 11.5 6.17 2.5 9.7 3.5 215. 13.2 .0 .0 .2752.0 112.2 .0 JUL 187. 11.5 6.17 2.5 9.7 3.5 215. 13.2 .0 .0 .0 .2751.1 108.0 -4.2 AUG 85. 5.2 5.32 2.1 8.4 3.5 194. 11.9 .0 .0 .2749.2 99.2 -8.8 SEP 104. 6.2 3.76 1.4 1.5 .1 27. 1.6 .0 .0 .0 .2749.9 102.4 3.2 OCT 117. 7.2 2.24 .9 .0 .1 21 3.5 .0 .2752.0 112.2 3.6 DEC 111. 6.8 1.00 .4 .0 .1 21 6.3 .0 .2752.0 112.2 .0	NOV	72.	4.3	2.01	. 7	. 0	.1	2.	. 1	. 0	. 0	2743.6	75.0	3.5	
REASONABLE MAXIMUM INFLOW CONDITIONS  JAN 122. 7.5	DEC	75.	4.6	1.10	. 4	.0	.1	2.	.1	. 0	. 0	2744.6	79.1	4.1	
JAN 122. 7.5	TOTAL		64.8	44.41	16.7	32.5	12.5		45.0	5.2	. 0			-2.1	
FEB       184.       10.2       .92       .3       .0       .1       2.       .1       .0       .0       2749.0       98.1       9.8         MAR       216.       13.3       1.65       .6       .0       .1       2.       .1       .0       .0       2751.7       110.7       12.6         APR       260.       15.5       3.20       1.3       .0       12.7       213.       12.7       .0       .0       2752.0       112.2       1.5         MAY       280.       17.2       3.86       1.6       .0       .1       2.       .1       15.5       .0       2752.0       112.2       .0         JUN       237.       14.1       5.15       2.1       3.3       .1       57.       3.4       8.6       .0       2752.0       112.2       .0         JUL       187.       11.5       6.17       2.5       9.7       3.5       215.       13.2       .0       .0       2751.1       108.0       -4.2         AUG       85.       5.2       5.32       2.1       8.4       3.5       194.       11.9       .0       .0       2749.2       99.2       -8.8 <tr< td=""><td></td><td></td><td></td><td></td><td></td><td>REASON</td><td>ABLE M</td><td>AXIMUN</td><td>INFLO</td><td>W CONDITION</td><td>s</td><td></td><td></td><td></td><td></td></tr<>						REASON	ABLE M	AXIMUN	INFLO	W CONDITION	s				
MAR 216. 13.3 1.65 .6 .0 .1 21 .0 .0 2751.7 110.7 12.6 APR 260. 15.5 3.20 1.3 .0 12.7 213. 12.7 .0 .0 .0 2752.0 112.2 1.5 MAY 280. 17.2 3.86 1.6 .0 .1 21 15.5 .0 2752.0 112.2 .0 JUN 237. 14.1 5.15 2.1 3.3 .1 57. 3.4 8.6 .0 2752.0 112.2 .0 JUL 187. 11.5 6.17 2.5 9.7 3.5 215. 13.2 .0 .0 2751.1 108.0 -4.2 AUG 85. 5.2 5.32 2.1 8.4 3.5 194. 11.9 .0 .0 2749.2 99.2 -8.8 SEP 104. 6.2 3.76 1.4 1.5 .1 27. 1.6 .0 .0 2749.9 102.4 3.2 OCT 117. 7.2 2.24 .9 .0 .1 21 .0 .0 2751.2 108.6 6.2 NOV 134. 8.0 2.01 .8 .0 .1 21 3.5 .0 2752.0 112.2 3.6 DEC 111. 6.8 1.00 .4 .0 .1 21 6.3 .0 2752.0 112.2 .0	JAN	122.	7.5	.85	.3	.0	.1	2.	.1	. 0	. 0	2746.8	88.3	7.1	
APR 260. 15.5 3.20 1.3 .0 12.7 213. 12.7 .0 .0 2752.0 112.2 1.5 MAY 280. 17.2 3.86 1.6 .0 .1 21 15.5 .0 2752.0 112.2 .0 JUN 237. 14.1 5.15 2.1 3.3 .1 57. 3.4 8.6 .0 2752.0 112.2 .0 JUL 187. 11.5 6.17 2.5 9.7 3.5 215. 13.2 .0 .0 2751.1 108.0 -4.2 AUG 85. 5.2 5.32 2.1 8.4 3.5 194. 11.9 .0 .0 2749.2 99.2 -8.8 SEP 104. 6.2 3.76 1.4 1.5 .1 27. 1.6 .0 .0 2749.9 102.4 3.2 OCT 117. 7.2 2.24 .9 .0 .1 21 .0 .0 2751.2 108.6 6.2 NOV 134. 8.0 2.01 .8 .0 .1 21 3.5 .0 2752.0 112.2 3.6 DEC 111. 6.8 1.00 .4 .0 .1 21 6.3 .0 2752.0 112.2 .0	FEB	184.	10.2	.92	.3	.0	. 1	2.	.1	. 0	. 0	2749.0	98.1	9.8	
MAY 280. 17.2 3.86 1.6 .0 .1 21 15.5 .0 2752.0 112.2 .0  JUN 237. 14.1 5.15 2.1 3.3 .1 57. 3.4 8.6 .0 2752.0 112.2 .0  JUL 187. 11.5 6.17 2.5 9.7 3.5 215. 13.2 .0 .0 2751.1 108.0 -4.2  AUG 85. 5.2 5.32 2.1 8.4 3.5 194. 11.9 .0 .0 2749.2 99.2 -8.8  SEP 104. 6.2 3.76 1.4 1.5 .1 27. 1.6 .0 .0 2749.9 102.4 3.2  OCT 117. 7.2 2.24 .9 .0 .1 21 .0 .0 2751.2 108.6 6.2  NOV 134. 8.0 2.01 .8 .0 .1 21 3.5 .0 2752.0 112.2 3.6  DEC 111. 6.8 1.00 .4 .0 .1 21 6.3 .0 2752.0 112.2 .0	MAR	216.	13.3	1.65	.6	.0	. 1	2.	.1	. 0	. 0	2751.7	110.7	12.6	
JUN     237.     14.1     5.15     2.1     3.3     .1     57.     3.4     8.6     .0     2752.0     112.2     .0       JUL     187.     11.5     6.17     2.5     9.7     3.5     215.     13.2     .0     .0     2751.1     108.0     -4.2       AUG     85.     5.2     5.32     2.1     8.4     3.5     194.     11.9     .0     .0     2749.2     99.2     -8.8       SEP     104.     6.2     3.76     1.4     1.5     .1     27.     1.6     .0     .0     2749.9     102.4     3.2       OCT     117.     7.2     2.24     .9     .0     .1     2.     .1     .0     .0     2751.2     108.6     6.2       NOV     134.     8.0     2.01     .8     .0     .1     2.     .1     3.5     .0     2752.0     112.2     3.6       DEC     111.     6.8     1.00     .4     .0     .1     2.     .1     6.3     .0     2752.0     112.2     .0	APR	260.	15.5	3.20	1.3	.0	12.7	213.	12.7	. 0	. 0	2752.0	112.2	1.5	
JUL       187.       11.5       6.17       2.5       9.7       3.5       215.       13.2       .0       .0       2751.1       108.0       -4.2         AUG       85.       5.2       5.32       2.1       8.4       3.5       194.       11.9       .0       .0       2749.2       99.2       -8.8         SEP       104.       6.2       3.76       1.4       1.5       .1       27.       1.6       .0       .0       2749.9       102.4       3.2         OCT       117.       7.2       2.24       .9       .0       .1       2.       .1       .0       .0       2751.2       108.6       6.2         NOV       134.       8.0       2.01       .8       .0       .1       2.       .1       3.5       .0       2752.0       112.2       3.6         DEC       111.       6.8       1.00       .4       .0       .1       2.       .1       6.3       .0       2752.0       112.2       .0	MAY	280.	17.2	3.86	1.6	.0	.1	2.	.1	15.5	. 0	2752.0	112.2	. 0	
AUG 85. 5.2 5.32 2.1 8.4 3.5 194. 11.9 .0 .0 2749.2 99.2 -8.8 SEP 104. 6.2 3.76 1.4 1.5 .1 27. 1.6 .0 .0 2749.9 102.4 3.2 OCT 117. 7.2 2.24 .9 .0 .1 21 .0 .0 2751.2 108.6 6.2 NOV 134. 8.0 2.01 .8 .0 .1 21 3.5 .0 2752.0 112.2 3.6 DEC 111. 6.8 1.00 .4 .0 .1 21 6.3 .0 2752.0 112.2 .0	JUN	237.	14.1	5.15	2.1	3.3	. 1	57.	3.4	8.6	. 0	2752.0	112.2	. 0	
SEP     104.     6.2     3.76     1.4     1.5     .1     27.     1.6     .0     .0     2749.9     102.4     3.2       OCT     117.     7.2     2.24     .9     .0     .1     2.     .1     .0     .0     2751.2     108.6     6.2       NOV     134.     8.0     2.01     .8     .0     .1     2.     .1     3.5     .0     2752.0     112.2     3.6       DEC     111.     6.8     1.00     .4     .0     .1     2.     .1     6.3     .0     2752.0     112.2     .0	JUL	187.	11.5	6.17	2.5	9.7	3.5	215.	13.2	. 0	. 0	2751.1	108.0	-4.2	
OCT 117. 7.2 2.24 .9 .0 .1 21 .0 .0 2751.2 108.6 6.2  NOV 134. 8.0 2.01 .8 .0 .1 21 3.5 .0 2752.0 112.2 3.6  DEC 111. 6.8 1.00 .4 .0 .1 21 6.3 .0 2752.0 112.2 .0	AUG	85.	5.2	5.32	2.1	8.4	3.5	194.	11.9	.0	.0	2749.2	99.2	-8.8	
NOV 134. 8.0 2.01 .8 .0 .1 21 3.5 .0 2752.0 112.2 3.6 DEC 111. 6.8 1.00 .4 .0 .1 21 6.3 .0 2752.0 112.2 .0	SEP	104.	6.2	3.76	1.4	1.5	.1	27.	1.6	.0	.0	2749.9	102.4	3.2	
DEC 111. 6.8 1.00 .4 .0 .1 21 6.3 .0 2752.0 112.2 .0	OCT	117.	7.2	2.24	. 9	.0	.1	2.	.1	. 0	. 0	2751.2	108.6	6.2	
	NOV	134.	8.0	2.01	. 8	.0	.1	2.	. 1	3.5	. 0	2752.0	112.2	3.6	
TOTAL 122.7 36.13 14.3 22.9 20.6 43.5 33.9 .0 31.0	DEC	111.	6.8	1.00	. 4	.0	.1	2.	.1	6.3	. 0	2752.0	112.2	. 0	
	TOTAL		122.7	36.13	14.3	22.9	20.6		43.5	33.9	. 0			31.0	

					REL	EASE	RESERVOI	R	REQUIREM	ENT END O	F MONTH	RESERVOIR
	INF	LOW	EVAPORA	ATION	REQUI	REMENT	SPILL		SHORTAG	E ELEV	CONT	CHANGE
	MEAN	1000		1000	MEAN	1000	1000		1000		1000	1000
MONTH	CFS	AF	INCHES	AF	CFS	AF	AF		AF	FT	AF	AF
				,	REASONABI.E	MINIMIM	INFLOW CON	וחדדות	NS			
JAN	16.	1.0	. 84	.1	5.	.3	. 0	211101	.0	2578.1	32.1	
FEB	22.			.1	5.	.3	.0		.0	2578.7		.8
MAR	23.	1.4		.2	5.	.3	.0		.0	2579.3		.9
APR	22.	1.3	5.66	.7	5.	.3	.0		.0	2579.5		.3
MAY	21.	1.3		. 9	5.	. 3	.0		.0	2579.5		1.1
JUN	20.	1.2	8.27	1.0	40.	2.4	.0		.0	2578.1		-2.2
JUL	15.	.9	. 9.18	1.0	104.	6.4	.0		.0	2573.2		-6.5
AUG	11.			.7	148.	9.1	.0		.0	2564.8		-9.1
SEP	7.		6.01	.5	18.	1.1	.0		.0	2563.5		-1.2
OCT	13.			.3	5.	.3	.0		.0	2563.7		.2
NOV	17.	1.0	1.93	.2	5.	.3	.0		.0			.5
DEC	18.	1.1	1.09		5.					2564.2		
DEC	10.	1.1	1.09	.1	5.	.3	.0		. 0	2565.0	16.6	. 7
TOTAL		12.3	55.06	5.8		21.4	.0		.0			-14.9
					MOST PRO	BARLE INF	LOW CONDIT	IONS				
JAN	21.	1.3	.78	.1	5.	.3	.0	LONG	. 0	2578.3	32.4	.9
FEB	27.	1.5	.90	.1	5.	.3	.0		.0	2579.1		1.1
MAR	31.	1.9	1.64	.2	5.	.3	.0		.0	2580.0		
APR	32.	1.9	4.78	.6	5.	.3	.0		.0	2580.6		1.0
MAY	33.	2.0	5.83	.8	5.	.3	.0		.0	2581.2		
JUN	32.	1.9	6.76	.9	27.	1.6	.0		.0	2580.8		6
JUL	26.	1.6	7.52		62.	3.8	.0		.0	2578.7		-3.2
AUG	24.	1.5	6.64	.8	63.	3.9	.0		.0	2576.5		-3.2
SEP	18.	1.1	5.04	.6	18.	1.1	.0		.0	2576.1		6
OCT	20.	1.2	3.33	.4	5.	.3	.0		.0	2576.4		.5
NOV	22.	1.3	1.93	.2	5.	.3	.0		.0	2577.0		.8
DEC	21.	1.3	1.01	.1	5.	.3	.0		.0	2577.6		.9
TOTAL		18.5	46.16	5.8		12.8	. 0		.0			1
TOTAL		10.5	40.10	5.0		12.0	. 0		.0			
							INFLOW CON	DITIO				
JAN	29.	1.8		.1	5.	. 3	.0		. 0	2578.7		1.4
FEB	38.	2.1		.1	5.	. 3	. 0		. 0	2579.8		1.7
MAR	49.	3.0		. 2	5.	. 3	.0		. 0	2581.4		2.5
APR	47.	2.8		.5	27.	1.6	. 0		.0	2581.8		.7
MAY	50.	3.1		.6	5.	.3	2.2		. 0	2581.8		.0
JUN	61.	3.6		. 7	18.	1.1	1.8			2581.8		.0
JUL	59.	3.6		. 8	42.	2.6	. 2			2581.8		.0
AUG	44.	2.7	5.53		42.	2.6	.0		.0	2581.4		6
SEP	35.	2.1			15.	. 9	.1		.0	2581.8		- 6
OCT	29.	1.8		. 3	5.	. 3	1.2		.0	2581.8		.0
NOV	29.	1.7		. 3	5.	.3			. 0	2581.8		. 0
DEC	28.	1.7	.90	.1	5.	.3	1.3		.0	2581.8	37.8	.0
TOTAL		30.0	36.84	4.9		10.9	7.9		0. 26.6			6.3

					REL	EASE	RE	ESERVOI	R	REQUIREMENT	END	OF MONTH	RESERVO	DIR
	IN	LOW	EVAPORA	ATION	REQUI	REMENT		SPILL		SHORTAGE	ELEV	CONT	CHANGE	2
	MEAN	1000		1000	MEAN	1000		1000		1000		1000	1000	
MONTH	CFS	AF	INCHES	AF	CFS	AF		AF		AF	FT	AF	AF	
				D	EASONABLE	MINIMIN	M TNET	OW CON	DITTON	c				
JAN	41.	2.5	.89	.1	2.	.1		.0	DITION	.0	2358.	5 23.9	2.3	
FEB	47.	2.6	.99	.1	2.	.1		. 0		.0	2360.		2.4	
MAR	49.	3.0	1.63	. 2	2.	.1		.0		.0	2362.		2.7	
APR	54.	3.2	5.57		2.	.1		. 0		.0	2363.		2.4	
MAY	50.	3.1	6.84		2.	.1		. 0		.0	2364.		2.0	
JUN	45.	2.7	8.04		76.	4.5		. 0		.0	2363.		-2.9	
JUL	21.	1.3	8.94	. 9	358.	22.0		. 0		.0	2343.		-21.6	
AUG	31.	1.9	7.98	.5	23.	1.4		. 0		.0	2343.		.0	
SEP	24.	1.4	6.11	. 4	5.	.3		. 0		.0	2344.		.7	
OCT	34.	2.1	4.33	. 3	2.	.1		.0		.0	2344.		1.7	
NOV	40.	2.4	1.89	.1	2.	.1		. 0		.0	2348.		2.2	
DEC	41.	2.5	1.04	. 1	2.	.1		.0						
DEC	41.	2.5	1.04	. 1	2.			.0		.0	2351.	4 15.8	2.3	
TOTAL		28.7	54.25	5.5		29.0		.0		. 0			-5.8	
					MOST PRO	BARLE IN	WEI.OW	CONDIT	TONS					
JAN	52.	3.2	.81	. 1	2.	.1	HI DON	.0	10115	. 0	2359.	0 24.6	3.0	
FEB	63.	3.5	.87	.1	2.	.1		. 0		.0	2361.		3.3	
MAR	62.	3.8	1.58	. 2	2.	.1		. 0		.0	2363.		3.5	
APR	69.	4.1	4.62	. 7	2.	.1		. 0		.0	2365.		3.3	
MAY	72.	4.4	5.60	. 8	2.	.1		2.5		.0	2366.		1.0	
JUN	69.	4.1			54.	3.2		.0		. 0	2366.		1	
JUL	73.	4.5	7.67	1.0	220.	13.5		. 0		.0	2359.		-10.0	
AUG	52.	3.2	6.57	.6	220.	13.5		. 0		.0	2350.		-10.9	
SEP	35.	2.1	4.93	. 4	12.	.7		. 0		.0	2351.		1.0	
OCT	44.	2.7	3.29	. 3	2.	.1		. 0		. 0	2353.		2.3	
NOV	49.	2.9	1.89	. 2	2.	.1		. 0		.0	2355.		2.6	
DEC	47.	2.9	.97		2.	.1		. 0		. 0	2358.		2.7	
TOTAL		41.4	45.54	5.5		31.7		2.5		. 0	a ma		1.7	
				D	EA CONADI E	MANTMIN	A TAIRT	ON GON	DIMION	s				
JAN	63.	3.9	.76		EASONABLE 2.		M INFL		DITTON		2250	E 25 2	2 7	
FEB	92.	5.1	.81	.1	2.	.1		.0		.0	2359.		4.9	
MAR	101.	6.2	1.51	. 2	23.	1.4		. 0		.0				
APR	86.	5.1	3.57	. 5	62.	3.7		. 0		.0	2365.		4.6	
MAY	104.	6.4	4.24	. 7	2.			5.6		.0	2366. 2366.		.9	
JUN	156.	9.3	5.34	. 8	20.	1.2		7.3		.0			.0	
JUL	146.	9.0	6.24	. 9	145.	8.9					2366.			
AUG	94.	5.8	5.38	. 8	137.			. 0		.0	2365.		8	
SEP	61.	3.6	3.72	.5	2.	8.4		.0		.0	2363.		-3.4	
OCT	60.	3.7	2.50		2.						2365.		3.0	
NOV	64.	3.7	1.89	. 4	2.	.1		2.0		.0	2366.			
DEC	59.	3.6	.86	.3	2.	.1		3.4		.0	2366. 2366.		.0	
TOTAL		65.5	36.82	5.4		24.3		21.7		. 0			14.1	

					RELI	EASE	RESERVOI	R	REQUIREMENT	END OF	MONTH	RESERVO	OIR
	IN	FLOW	EVAPORA	TION	REQUI	REMENT	SPILL		SHORTAGE	ELEV	CONT	CHANG	E
	MEAN	1000		1000	MEAN	1000	1000		1000		1000	1000	
MONTH	CFS	AF	INCHES	AF	CFS	AF	AF		AF	FT	AF	AF	
				R	EASONABLE	MINIMUN	INFLOW CON	DITION	IS				
JAN	2.	.1	.85	.1	2.	. 1	.0		.0	2298.2	24.4	1	
FEB	2.	.1		. 1	2.	. 1	. 0		. 0	2298.2	24.3	1	
MAR	3.	. 2		. 2	2.	. 1	.0		. 0	2298.1	24.2	1	
APR	3.	. 2	5.68	. 8	2.	.1	. 0		. 0	2297.7	23.5	7	
MAY	7.	. 4	7.37	1.0	2.	.1	. 0		. 0	2297.3	22.8	7	
JUN	3.	. 2	8.62	1.0	118.	7.0	.0		. 0	2291.6	15.0	-7.8	
JUL	0.	.0	9.86	.8	135.	8.3	.0		. 0	2281.4	5.9	-9.1	
AUG	0.	.0	8.65	. 4	135.	8.3	.0		7.1	2278.6	4.3	-1.6	
SEP	0.	. 0	6.20	.3	24.	1.4	.0		1.3	2277.8	3.9	4	
OCT	0.	. 0	5.00	. 2	2.	.1	. 0		.0	2277.1	3.6	3	
NOV	0.	.0	1.96	.1	2.	.1	.0		. 0	2276.6	3.4	2	
DEC	2.	.1	1.06	.0	2.	.1	.0		. 0	2276.6	3.4	.0	
TOTAL		1.3	57.98	5.0		25.8	.0		8.4			-21.1	
					MOST PRO	BABLE IN	NFLOW CONDIT	IONS					
JAN	5.	. 3	.81	. 1	2.	.1	.0		. 0	2298.4	24.6	.1	
FEB	5.	. 3	. 95	.1	2.	.1	.0		. 0	2298.4	24.7	.1	
MAR	5.	. 3	1.69	.2	2.	.1	.0		. 0	2298.4	24.7	.0	
APR	10.	. 6	4.95	.7	2.	.1	.0		. 0	2298.3	24.5	2	
MAY	13.	. 8	5.75	. 8	2.	.1	.0		. 0	2298.2	24.4	1	
JUN	10.	.6	7.09	1.0	35.	2.1	.0		. 0	2296.7	21.9	-2.5	
JUL	13.	. 8	8.18	. 9	120.	7.4	.0		. 0	2291.1	14.4	-7.5	
AUG	5.	.3	7.06	. 6	98.	6.0	.0		. 0	2284.5	8.1	-6.3	
SEP	0.	.0	5.26	. 3	2.	.1	.0		. 0	2284.0	7.7	4	
OCT	2.	.1	3.59	. 2	2.	.1	.0		.0	2283.7	7.5	2	
NOV	5.	.3	1.96	. 1	2.	.1	. 0		.0	2283.8	7.6	.1	
DEC	3.	. 2	1.02	.1	2.	.1	. 0		. 0	2283.8	7.6	.0	
TOTAL		4.6	48.31	5.1		16.4	.0		.0			-16.9	
				R	EASONABLE	MAXIMUN	M INFLOW CON	DITION	IS				
JAN	5.	.3	.79	.1	2.	.1	.0		. 0	2298.4	24.6	.1	
FEB	13.	. 7	.91	.1	2.	.1	.0		. 0	2298.7	25.1	.5	
MAR	21.	1.3	1.66	. 2	2.	.1	.0		. 0	2299.2	26.1	1.0	
APR	20.	1.2	4.10	. 6	2.	.1	.0		. 0	2299.5	26.6	.5	
MAY	36.	2.2	4.43	. 7	2.	.1	.0		0	2300.3	28.0	1.4	
JUN	39.	2.3		. 8	15.	. 9	.0		.0	2300.6	28.6	.6	
JUL	80.	4.9		1.0	52.	3.2	.0		.0	2301.0	29.3	.7	
AUG	65.	4.0		. 9	52.	3.2	.0		. 0	2301.0	29.2	1	
SEP	32.	1.9		.7	2.	.1	.0		.0	2301.5	30.3		
OCT	24.	1.5		. 4	2.	.1	.0		.0	2302.1	31.3	1.0	
NOV	0. 7.	. 4		.3	2.	.1	. 0		.0	2302.1	31.3		
DEC	7.	. 4	.97	. 2	2.	.1	.0		.0	2302.1	31.4	.1	
TOTAL		21.1	39.48	6.0		8.2	.0		.0			6.9	

						EASE	RESERVOIR		EQUIREMENT		MONTH	RESERVOIR
		LLOW	EVAPORA			REMENT	SPILL		SHORTAGE	ELEV	CONT	CHANGE
	MEAN	1000	× III	1000	MEAN	1000	1000		1000		2000	1000
MONTH	CFS	AF	INCHES	AF	CFS	AF	AF		AF	FT	AF	AF
				RE	ASONABLE	MINIMUM	INFLOW COND	ITIONS				
JAN	80.	4.9	1.02	1.0	10.	. 6	.0		.0	1942.1	266.9	3.3
FEB	146.	8.1	.95	. 9	11.	. 6	.0		. 0	1942.7	273.5	6.6
MAR	195.	12.0	1.82	1.8	0.	. 0	. 0		. 0	1943.5	283.7	10.2
APR	182.	10.8	5.23	5.3	0.	.0	. 0		. 0	1944.0	289.2	5.5
MAY	166.	10.2	6.38	6.6	29.	1.8	. 0		.0	1944.1	291.0	1.8
JUN	131.	7.8	7.88	7.9	395.	23.5	. 0		. 0	1942.1	267.4	-23.6
JUL	88.	5.4	8.92	8.0	1270.	78.1	. 0		.0	1934.6	186.7	-80.7
AUG	78.	4.8	7.83	6.3	810.	49.8	.0		34.0	1932.8	169.4	-17.3
SEP	18.	1.1	5.61	4.4	79.	4.7	.0		4.7	1932.4	166.1	-3.3
OCT	20.	1.2	4.19	3.2	0.	. 0	. 0		. 0	1932.2	164.1	-2.0
NOV	71.	4.2	1.94	1.5	0.	.0	. 0		. 0	1932.5	166.8	2.7
DEC	80.	4.9	1.51	1.2	0.	. 0	. 0		. 0	1932.9	170.5	3.7
TOTAL		75.4	53.28	48.1		159.1	.0		38.7			-93.1
					MOST PRO	BABLE IN	FLOW CONDITI	ONS				
JAN	137.	8.4	. 83	. 8	10.	.6	.0	One	. 0	1942.4	270.6	7.0
FEB	218.	12.1	.85	. 8	11.	. 6	.0		.0	1943.3		10.7
MAR	291.	17.9	1.52	1.6	0.	. 0	. 0		. 0	1944.6	297.6	16.3
APR	297.	17.7	4.15	4.4	0.	. 0	. 0		. 0	1945.7	310.9	13.3
MAY	364.	22.4	5.15	5.7	0.	. 0	12.5		. 0	1946.0	315.1	4.2
JUN	212.	12.6	6.34	7.0	49.	2.9	2.7		. 0	1946.0	315.1	. 0
JUL	198.	12.2	7.18	7.6	579.	35.6	. 0		. 0	1943.5	284.1	-31.0
AUG	164.	10.1	6.12	5.9	735.	45.2	. 0		.0	1940.0	243.1	-41.0
SEP	86.	5.1	4.66	4.3	74.	4.4	. 0		. 0	1939.7	239.5	-3.6
OCT	88.	5.4	3.15	2.9	0.	. 0	. 0		. 0	1939.9	242.0	2.5
NOV	111.	6.6	1.85	1.7	0.	. 0	. 0		.0	1940.3	246.9	4.9
DEC	119.	7.3	1.04	1.0	10.	.6	. 0		. 0	1940.8	252.6	5.7
TOTAL		137.8	42.84	43.7		89.9	15.2		. 0			-11.0
				RI	EASONABLE	MAXIMUN	M INFLOW COND	ITIONS				
JAN	220.	13.5	.67	. 7	10.	. 6	. 0		. 0	1942.8	275.8	12.2
FEB	364.	20.2	.60	.6	11.	. 6	. 0		.0	1944.4	294.8	19.0
MAR	615.	37.8	1.23		263.	16.2	. 0		. 0	1946.0	315.1	20.3
APR	504.	30.0	3.20		445.	26.5	. 0		. 0			.0
MAY	727.			4.4	0.	. 0	40.3		. 0	1946.0		.0
JUN	491.	29.2	4.80		42.	2.5	21.4		. 0	1946.0	315.1	. 0
JUL	556.	34.2		5.9	158.	9.7	18.6		. 0	1946.0	315.1	. 0
AUG	397.		4.84		122.	7.5	11.6		. 0		315.1	.0
SEP	262.	15.6	3.70		5.	. 3	11.2		. 0	VALUE OF THE OWNER OWNER OF THE OWNER OW		.0
OCT	187.	11.5	2.31		0.	.0	8.9		. 0		315.1	.0
NOV	215.	12.8	1.62		0.	.0	11.0		.0	1946.0		.0
DEC	220.	13.5	.07	1.0	10.	. 0	11.9		.0	1946.0	313.1	. 0
TOTAL		287.4	33.22	36.5		64.5	134.9		. 0			51.5

	WHITE ROCK	COURTLAND									1	
	CREEK	CANAL	TOTAL			RELI	EASE	RES	REQ	END OF	MONTH	RES
	INFLOW	INFLOW	INFLOW	EVAPORA	TION	REQUI	REMENT	SPILL	SHORT	ELEV	CONT	CHANGE
	1000	1000	MEAN 1000		1000	MEAN	1000	1000	1000		1000	1000
MONTH	AF	AF	CFS AF	INCHES	AF	CFS	AF	AF	AF	FT	AF	AF
			REASONA	BLE MINIM	IN MUN	FLOW CONI	DITIONS					
JAN	. 0	2.2	36. 2.2	.71	. 2	0.	. 0	.0	.0	1581.8	39.3	2.0
FEB	.2	2.5	49. 2.7	.90	. 2	0.	.0	.0	.0	1582.6	41.8	2.5
MAR	. 4	3.3	60. 3.7	1.56	. 4	0.	.0	.0	. 0	1583.7	45.1	3.3
APR	. 5	2.3	47. 2.8	4.54	1.2	0.	.0	.0	. 0	1584.2	46.7	1.6
MAY	.3		68. 4.2	5.71	1.6	21.	1.3	.0	. 0	1584.6	48.0	1.3
JUN	· 0 3		25. 1.5	6.96	1.8	166.	9.9	.0	. 0	1581.2	37.8	-10.2
JUL	.1		84. 23.6	8.30	1.6	698.	42.9	. 0	. 0	1571.8	16.9	-20.9
AUG	.0		17. 7.2	7.16	1.0	470.	28.9	. 0	22.6	1571.7	16.8	1
SEP	.0	.5	85	4.93	. 7	49.	2.9	.0	2.9	1571.6	16.6	2
OCT	.0		31. 1.9	3.53	. 5	0.	.0	.0	. 0	1572.4	18.0	1.4
NOV	.0		42. 2.5	1.82	. 3	0.	.0	. 0	. 0	1573.6	20.2	2.2
DEC	.0	2.6	42. 2.6	.90	.1	0.	. 0	. 0	. 0	1574.9	22.7	2.5
TOTAL	1 0	53.6	55.4	47.03	9.6		85.9	.0	25.5			-14.6
TOTAL	1.8	33.6	55.4	47.02	9.0		65.9	.0	25.5			-14.0
			MOST	PROBABLE	INFLO	W CONDIT	IONS					
JAN	.7	.0	117	.68	. 2	0.	.0	. 0	. 0	1581.2	37.8	.5
FEB	1.4		25. 1.4	.84	. 2	0.	.0	. 0	.0	1581.7	39.0	1.2
MAR	2.2		36. 2.2	1.53	. 4	0.	. 0	. 0	. 0	1582.3	40.8	1.8
APR	2.0		34. 2.0	3.70	. 9	0.	. 0	. 0	.0	1582.7	41.9	1.1
MAY	5.4		27. 7.8	4.61	1.2	8.	.5	.0	.0	1584.6	48.0	6.1
JUN	4.7	2.8 1	26. 7.5	5.68	1.6	99.	5.9	.0	.0	1584.6	48.0	.0
JUL	4.1	1.2	86. 5.3	6.54	1.4	527.	32.4	.0	. 0	1573.2	19.5	-28.5
AUG	. 9	17.8 3	04. 18.7	5.41	. 8	335.	20.6	.0	.0	1571.7	16.8	-2.7
SEP	.5	2.3	47. 2.8	3.75	.5	35.	2.1	. 0	.0	1571.8	17.0	. 2
OCT	.6	4.7	86. 5.3	2.51	. 4	0.	.0	.0	.0	1574.5	21.9	4.9
NOV	. 6	4.1	79. 4.7	1.82	. 3	0.	. 0	.0	. 0	1576.6	26.3	4.4
DEC	. 8	4.6	88. 5.4	.85	. 2	0.	.0	. 0	. 0	1578.8	31.5	5.2
TOTAL	23.9	39.9	63.8	37.92	8.1		61.5	.0	. 0			-5.8
			REASONA	BLE MAXIM	NUM IN	FLOW CONI	DITIONS					
JAN	4.0	.0		.67	. 2	0.	. 0	.0	.0	1582.4	41.1	3.8
FEB	6.1	.0 1		.80	. 2	0.	. 0	. 0	. 0	1584.3	47.0	5.9
MAR	12.8	.0 2		1.49	. 4	185.	11.4	.0	. 0	1584.6	48.0	1.0
APR	8.8	.0 1		2.71	.7		8.1	.0	. 0	1584.6	48.0	.0
MAY	10.5	.0 1		3.35	. 9	8.	.5	9.1	. 0	1584.6	48.0	. 0
JUN	8.0	1.2		4.45		49.	2.9	5.1	. 0	1584.6	48.0	.0
JUL	14.0	1.2 2		4.80		213.	13.1	7.1	. 0	1582.6	41.7	-6.3
AUG	11.8	1.2 2		4.00		161.	9.9	2.1	.0	1582.6 1580.6	41.7	.0
SEP	11.1	.6 1		1.73	. 4	18.	1.1	8.9	.0	1580.6	36.0	-5.7
NOV	9.3	.0 1		1.82	. 4	0.	.0	4.5	.0	1580.6	36.0	.0
DEC	4.3		70. 4.3	.81	. 2	0.	.0	4.1	.0	1580.6	36.0	.0
DEC				.01		No.				1500.0	30.0	
TOTAL	105.6	4.2	109.8	29.40			47.0	56.5	. 0			-1.3

					REL	EASE	RESERVOI	N.	REQUIREMENT		F MONTH	RESERVOIR	
	INF	LOW	EVAPORA	ATION	REQUI	REMENT	SPILL		SHORTAGE	ELEV	CONT	CHANGE	
	MEAN	1000		1000	MEAN	1000	1000		1000		1000	1000	
MONTH	CFS	AF	INCHES	AF	CFS	AF	AF		AF	FT	AF	AF	
				RE	ASONABLE	MINIMU	M INFLOW CON	DITION	IS				
JAN	0.	. 0	.81	. 4	0.	. 0	.0		.0	1730.1	103.9	4	
FEB	4.	. 2	1.05	.5	0.	.0	. 0		.0	1730.0	103.6	3	
MAR	8.	.5	1.69	.7	0.	. 0	. 0		.0	1730.0	103.4	2	
APR	5.	. 3	4.68	2.0	0.	. 0	. 0		. 0	1729.7	101.7	-1.7	
MAY	15.	. 9	5.93	2.5	0.	. 0	. 0		.0	1729.4	100.1	-1.6	
JUN	7.	. 4	7.15	3.0	61.	3.6	. 0		. 0	1728.1	93.9	-6.2	
JUL	2.	. 1	8.39	3.3	164.	10.1	. 0		. 0	1725.3	80.6	-13.3	
AUG	0.	. 0	7.49	2.7	125.	7.7	. 0		. 0	1722.9	70.2	-10.4	
SEP	0.	. 0	5.25	1.8	0.	.0	. 0		. 0	1722.4	68.4	-1.8	
OCT	0.	. 0	3.97	1.3	0.	. 0	. 0		. 0	1722.1	67.1	-1.3	
NOV	0.	. 0	1.91	.6	0.	.0	.0		. 0	1721.9	66.5	6	
DEC	0.	. 0	1.02	.3	0.	.0	.0		.0	1721.9	66.2	03	
TOTAL		2.4	49.34	19.1		21.4	.0		. 0			-38.1	
					MOSE PRO	DADIE I	NET ON CONDICT	TONG					
JAN	10.	. 6	.77		MOST PRO	.0	NFLOW CONDIT	TONS		1730.2	104.6	. 3	
FEB	18.	1.0	.99		0.				.0			0.70	
MAR	29.	1.8	1.67	.4	0.	.0	.0		.0	1730.4	105.2	1.1	
APR	50.	3.0		1.7	0.		. 0		.0				
	50.	3.1				. 0	.0		. 0	1730.8	107.6	1.3	
JUN	40.	2.4	4.87		0.	2.4	.0		.0	1731.0	108.5	. 9	
JUL	42.	2.4	6.10		40.	6.8	.0		. 0	1730.5		-2.7	
					111.		.0		. 0	1729.1	10 To Table 10	-7.2	
AUG	16.	1.0	5.97		85.	5.2	.0		. 0	1727.7		-6.7	
SEP			4.24		0.	.0	.0		. 0	1727.4		-1.4	
OCT	2.	.1	2.94		0.	.0	.0		.0	1727.2		-1.1	
NOV	7.	. 4	1.91		0.	.0	.0		.0	1727.1		4	
moma t		16.0	41 22	17. 6									
TOTAL		16.8	41.23	17.6		14.4	. 0		. 0			-15.2	
				RE	EASONABLE	MAXIMU	M INFLOW CON	DITION	NS				
JAN	29.	1.8	.74	. 3	0.	.0	.0		. 0	1730.5	105.8	1.5	
FEB	67.	3.7	. 94	. 4	0.	.0	.0		.0	1731.1	109.1	3.3	
MAR	96.	5.9	1.64	.7	67.	4.1	. 0		. 0	1731.3	110.2	1.1	
APR	77.	4.6	3.15	1.4	54.	3.2	.0		.0	1731.3	110.2	. 0	
MAY	190.	11.7	3.81	1.7	0.	.0	10.0		. 0	1731.3	110.2	.0	
JUN	197.	11.7	4.83	2.2	25.	1.5	8.0		. 0	1731.3	110.2	. 0	
JUL	171.	10.5	5.62	2.5	68.	4.2	14.6		. 0	1729.2	99.4	-10.8	
AUG	231.	14.2	4.70	2.0	52.	3.2	9.0		.0	1729.2	99.4	. 0	
SEP	158.	9.4	3.33	1.4	0.	.0	8.0		. 0	1729.2	99.4	.0	
OCT	93.	5.7	2.14	. 9	0.	.0	4.8		. 0	1729.2	99.4	.0	
NOV	61.	3.6	1.91	. 8	0.	.0	2.8		. 0	1729.2		. 0	
DEC	46.	2.8		. 4	0.	.0	2.4		. 0	1729.2		. 0	
		85.6		14.7			59.6		. 0			-4.9	

						REL	EASE	RESER	JOIR	REQUIREMENT	END OF	MONTH	RESERVOI	2
		INF	LOW	EVAPOR	ATION	REQUI	REMENT	SPI	LL	SHORTAGE	ELEV	CONT	CHANGE	
	1	MEAN	1000		1000	MEAN	1000	100	)	1000		1000	1000	
MONTH	(	CFS	AF	INCHES	AF	CFS	AF	AF		AF	FT	AF	AF	
						DESCONSDI E	MINITHI	M INFLOW	CONDICT	OMG				
JAN		0.	. 0	.89	.3	REASONABLE 0.	.0	M INFLOW			1902 7	02.2	2	
FEB										.0	1893.7	82.2	3	
MAR		2.	.1	1.04	.3	0.	.0			.0	1893.6	82.0	2	
			.1	1.77	1.6	0.	.0	1		.0	1893.5	81.5	5	
APR		8.	.5	5.20	1.7		. 0	. (		.0	1893.2	80.3	-1.2	
JUN		13.	. 8	6.41		0. 76.	4.5			.0	1892.9	79.1	-1.2	
JUL		0.	.1	8.04	2.5					. 0	1891.0	72.2	-6.9	
				9.14	2.0	187.	11.5	0		. 0	1886.9	58.1	-14.1	
AUG		0.	.0	8.16		132.	8.1	. (		.0	1883.5	48.0	-10.1	
SEP			.0	5.80	1.3					.0	1883.0	46.7	-1.3	
OCT		0.	.0	4.44	1.0	0.	.0			. 0	1882.6	45.7	-1.0	
NOV		0.	. 0	1.96	. 4	0.	. 0	. (		. 0	1882.5	45.3	4	
DEC		0.	. 0	1.08	. 2	0.	. 0	. (	)	. 0	1882.4	45.1	2	
TOTAL			1.6	53.93	14.9		24.1		)	.0			-37.4	
						MOST DRO	DADIE T	NFLOW CONI	TTTONE					
JAN		5.	.3	.85	.3	MOSI PRO	.0	NFLOW CON		. 0	1893.8	82.5	. 0	
FEB		18.	1.0	.98	.3	0.	.0			.0			.7	
											1893.9	83.2		
MAR		31.	1.9	1.76	.6	0.	.0	. (		. 0	1894.3	84.5	1.3	
APR		39.	2.3	4.17	1.4	0.	.0	. 1		. 0	1894.5	85.4	. 9	
MAY		44.	2.7	5.26	1.8	0.	.0	. '		. 0	1894.7	86.3	. 9	
JUN		35.	2.1	6.72	2.2	47.	2.8			0.0	1894.0	83.4	-2.9	
JUL		10.	. 6	7.58	2.4	127.	7.8			.0	1891.5	73.8	-9.6	
AUG		15.	. 9	6.55	1.9	89.	5.5			. 0	1889.7	67.3	-6.5	
SEP		2.	.1	4.87	1.4	0.	.0	0,000		.0	1889.3	66.0	-1.3	
OCT		2.	.1	3.35	.9	0.	.0	. (		. 0	1889.0	65.2	8	
NOV		2.	.1	1.96	.6	0.	.0			. 0	1888.9	64.7	5	
DEC		0.	.5	1.05	. 3	U.	. 0		,	.0	1889.0	64.9	.2	
TOTAL			12.6	45.10	14.1		16.1	. 0	0	. 0			-17.6	
					F	REASONABLE	MAXIMU	M INFLOW	CONDITI	ONS				
JAN	*	34.	2.1	.80	.3	0.	.0	.1		.0	1894.2	84.3	1.8	
FEB		54.	3.0	. 93	.3	9.	.5			.0	1894.8	86.5	2.2	
MAR		85.	5.2	1.73	. 6	75.	4.6			. 0	1894.8	86.5	.0	
APR		21.	7.2	3.41		103.	6.1			. 0	1894.8	86.5	.0	
MAY		81.	11.1	4.22	1.4	0.	.0	9.		.0	1894.8	86.5		
JUN		11.	6.6		1.8	7.	. 4	4.		. 0	1894.8	86.5		
JUL		246.	15.1	6.21		54.	3.3	18.			1892.4	77.4	-9.1	
AUG		04.	6.4	5.36		42.	2.6	2.:			1892.4	77.4	.0	
SEP		69.	4.1	3.68	1.2	0.	.0	2.		.0	1892.4	77.4	.0	
OCT		47.	2.9	2.37	.7	0.	.0	2.1		. 0	1892.4	77.4	.0	
NOV		49.	2.9	1.96	.6	0.	.0	2.:		.0	1892.4	77.4	.0	
DEC		31.	1.9	1.01	.3	0.	.0	1.0		.0	1892.4	77.4	.0	
TOTAL			68.5	36.92	12.0		17.5	44.	1	.0			-5.1	

					REL	EASE	RI	ESERVOI	R F	REQUIREMEN	т	END OF	MONTH	RESERVO	IR
	IN	FLOW	EVAPOR	ATION	REQUI	REMENT		SPILL		SHORTAGE		ELEV	CONT	CHANGE	:
	MEAN	1000		1000	MEAN	1000		1000		1000			1000	1000	
MONTH	CFS	AF	INCHES	AF	CFS	AF		AF		AF		FT	AF	AF	
				R	EASONABLE	MINIMU	M INF	LOW CON	DITIONS	STEEL ST					
JAN	26.	1.6	.78	. 8	151.	9.3		. 0		. 0		1455.0	233.8	-8.5	
FEB	38.	2.1	. 95	1.0	169.	9.4		.0		. 0		1454.3	225.5	-8.3	
MAR	44.	2.7	1.67	1.7	153.	9.4		. 0		.0		1453.6	217.1	-8.4	
APR	54.	3.2	5.57	5.4	2.	.1		. 0		.0		1453.4	214.8	-2.3	
MAY	83.	5.1	6.76	6.5	2.	.1		. 0		. 0		1453.3	213.3	-1.5	
JUN	81.	4.8	8.59	8.2	35.	2.1		. 0		. 0		1452.8	207.8	-5.5	
JUL	36.	2.2	10.40	9.6	99.	6.1		. 0		.0		1451.6	194.3	-13.5	
AUG	36.	2.2	8.96	7.9	99.	6.1		.0		.0		1450.5	182.5	-11.8	
SEP	3.	. 2		5.6	35.	2.1		.0		. 0		1449.7	175.0	-7.5	
OCT	2.	.1		3.9	2.	.1		.0		0.0		1449.3	171.1	-3.9	
NOV	22.	1.3		1.6	2.	.1		. 0		.0		1449.3	170.7	4	
DEC	20.	1.2	. 95	.8	11.	.7		.0		0.0		1449.3	170.4	3	
TOTAL		26.7	57.66	53.0		45.6		.0		.0				-71.9	
					MOST PRO	BARLE I	NFLOW	CONDIT	TONS						
JAN	57.	3.5	.72	.7	224.	13.8	2011	.0	101.0	.0		1454.8	231.3	-11.0	
FEB	113.	6.3	.89		248.	13.8		.0		.0		1454.1	222.9	-8.4	
MAR	159.	9.8		1.7	226.	13.9		.0		.0		1453.6	217.1	-5.8	
APR	171.	10.2		4.4	97.	5.8		.0		.0		1453.6	217.1	.0	
MAY	246.			5.3	159.	9.8		.0		.0		1453.6	217.1	.0	
JUN	235.			6.9	119.	7.1		0		.0		1453.6	217.1	.0	
JUL	168.			8.1	70.	4.3		.0		.0		1453.4	215.0	-2.1	
AUG	138.	8.5		6.9	70.	4.3		.0		.0		1453.2	212.3	-2.7	
SEP	133.	7.9		5.1	25.	1.5		.0		.0		1453.3	213.6	1.3	
OCT	85.	5.2		3.4	2.	.1		.0		.0		1453.4	215.3	1.7	
NOV	55.	3.3	1.89		2.	.1		.0		.0		1453.4	216.7	1.4	
DEC	63.	3.9	.94		42.	2.6		.0		.0		1453.6	217.1	.4	
TOTAL		98.0	47.36	46.1		77.1		. 0		.0				-25.2	
										4-					
****	003				EASONABLE		JM INF		DITION						
JAN		13.7			224.	13.8		. 0		.0		1455.6		8	
FEB	439.		. 84		423.	23.5		. 0		. 0		1455.6		.0	
MAR	865.			1.7	838.	51.5		. 0		.0		1455.6		.0	
APR	785.			3.8	721.	42.9		. 0		. 0			241.5	.0	
MAY	932.			4.5	2.	.1		52.7		. 0		1455.6	241.5	.0	
JUN	938.			5.8	2.	.1		49.9		. 0		1455.6	241.5	.0	
JUL	1285.			6.7	2.	.1		72.2		. 0		1455.6	241.5	.0	
AUG	532.			6.1	2.	.1		26.5		. 0		1455.6	241.5	.0	
SEP	418.			4.4	2.	.1		20.4		. 0		1455.6	241.5	.0	
OCT	377.		2.60		462.	28.4		. 0		. 0		1455.0	233.6	-7.9	
NOV	218.			1.9	464.	27.6		.0		. 0		1453.6		-16.5	
DEC	247.	15.2	.89	. 9	233.	14.3		. 0		. 0		1453.6	217.1	.0	
TOTAL		439.1	38.33	40.1		202.5		221.7		. 0				-25.2	

				REI	LEASE	RE	SERVOI	R	REQUIREMENT	END OF	MONTH	RES	SERVOIR
	INF	LOW	EVAPORATI	ON REQUI	REMENT	4	SPILL		SHORTAGE	ELEV	CONT	CF	IANGE
	MEAN	1000	10	00 MEAN	1000		1000		1000		1000	1	000
MONTH	CFS	AF	INCHES A	F CFS	AF		AF		AF	FT	AF		AF
				REASONABLE	MINIM	TIM THEFT	OW CON	DITTON	re				
JAN	0.	. 0	1.07	.4 0.	.0		.0	DITTON	.0	2126.7	91.3		4
FEB	0.	.0	1.30	.4 0.	.0		.0		.0	2126.6	90.9		4
MAR	0.	.0		.6 2.	.1		.0		.0	2126.4	90.2		7
APR	5.	.3		.1 2.	.1		. 0		.0	2125.9	88.3		1.9
MAY	8.	.5		.5 7.	.4		.0		.0	2125.3	85.9		2.4
JUN	5.	.3		.0 7.	. 4		.0		.0	2124.5	82.8		3.1
JUL	0.	.0		.4 13.	. 8		.0		.0	2123.4	78.6		4.2
AUG	0.	.0		.8 11.	.7		.0		.0	2122.4	75.1		3.5
SEP	0.	.0		.2 3.	. 2		.0		0	2121.7	72.7		2.4
OCT	0.	.0		.7 0.	.0		.0		.0	2121.2	71.0		1.7
NOV	0.	.0	2.07	.6 0.	.0		.0		.0	2121.0	70.4		6
DEC	0.	.0	1.20	.3 0.	.0		.0		.0	2120.9	70.1		3
DDC			1.20							2220.5	, , , ,		
TOTAL		1.1	65.25 20	.0	2.7		. 0		.0			-2	21.6
				MOST PRO	DBABLE	INFLOW	CONDIT	IONS					
JAN	3.	.2	.95	.3 0.	.0		. 0		.0	2126.8	91.6		1
FEB	7.	.4	1.04	.4 0.	.0		. 0		.0	2126.8	91.6		.0
MAR	8.	.5	1.90	.6 2.	.1		. 0		.0	2126.7	91.4		2
APR	22.	1.3		.7 2.	.1		. 0		.0	2126.6	90.9		5
MAY	29.	1.8		.1 5.	.3		. 0		.0	2126.4	90.3		6
JUN	27.	1.6		.6 5.	. 3		. 0		.0	2126.1	89.0		1.3
JUL	21.	1.3		.9 11.	.7		. 0		. 0	2125.5	86.7		2.3
AUG	16.	1.0		.5 7.	. 4		. 0		.0	2125.1	84.8		1.9
SEP	2.	.1		.9 2.	.1		. 0		. 0	2124.5	82.9		1.9
OCT	0.	.0		.4 0.	. 0		. 0		. 0	2124.2	81.5		1.4
NOV	0.	.0		.6 0.	. 0		. 0		. 0	2124.0	80.9		6
DEC	2.	.1	0 (2/2)	.3 0.	.0		. 0		. 0	2123.9	80.7		2
TOTAL		8.3	53.32 17	. 3	2.0		. 0		. 0			-1	11.0
		4 4		REASONABLE				DITION			00 5		
JAN	18.	1.1		.3 0.			. 0		. 0	2127.0	92.5		. 8
FEB	38.	2.1		.3 0.	.0		. 0		.0	2127.4	94.3		1.8
MAR	72.	4.4		.6 2.	.1		. 0		.0	2128.3	98.0		3.7
APR	86.	5.1		.5 2.	.1		. 0		. 0	2129.1	101.5		3.5
MAY	112.	6.9		.7 5.	. 3				. 0	2130,2	106.4		4.9
JUN	146.	8.7		.3 5.	. 3				. 0	2131.5	112.5		6.1
JUL	263.	16.2			. 2				.0	2134.2	125.6		13.1
AUG	112.	6.9			. 0				.0	2135.0 2135.2	131.3		1.5
SEP	61.	3.6			.0				.0	2135.2	131.3		1.7
OCT	50. 32.	1.9	and the second		. 0		.0		.0	2135.6	134.0		1.0
DEC	24.	1.9	1.02		.0				.0	2135.7	135.0		1.0
TOTAL		61.5	42.31 17	. 2	1.0	T Pas	. 0		. 0			4	13.3
months and													

#### FLOOD DAMAGES PREVENTED BY NEBRASKA-KANSAS PROJECTS RESERVOIRS

	BONNY			ENDERS			SWANSON			<b>HUGH BUTL</b>	.ER		HARRY ST	RUNK
Year	\$ Damages Prevented	Cumulative Total	Year	\$ Damages Prevented	Cumulative									
1951	293,000	293,000	1951	220,000	220,000	1957	233,000	233,000	1962	2,000	2,000	1951	14,000	14,000
1953	135,000	428,000	1956	104,000	324,000	1960	900,000	1,133,000	1965	137,000	139,000	1957	5,000	19,000
1957	1,050,000	1,478,000	1960	412,000	736,000	1962	126,000	1,259,000	1967	42,000	181,000	1960	198,000	217,000
1960	169,000	1,647,000	1962	37,000	773,000	1964	50,000	1,309,000	1995	496,000	677,000	1962	29,000	246,000
1965	273,000	1,920,000	1965	137,000	910,000	1965	477,000	1,786,000				1967	129,000	375,000
1967	42,000	1.962.000	1967	42,000	952,000	1967	182,000	1,968,000				1969	6,000	381,000
1969	200,000	2.162.000	1969	1,000	953,000	1969	1,000	1,969,000				1994	24,000	405,000
1995	496,000	2,658,000	1995	29,000	982,000	1994	1,135,000	3,104,000				1995	540,000	945,000
	,					1995	5,391,000	8,495,000						

	KEITH SEBE			HARLAN CO			LOVEWELL			KIRWIN		40.00	WEBSTE	
Year	\$ Damages Prevented	Cumulative Total	Year	\$ Damages Prevented	Cumulativ Tota									
966	132,000	132,000	1957	1,045,000	1,045,000	1957	349,000	349,000	1957	522,000	522,000	1957	326,000	326,00
967	885,000	1,017,000	1960	4,853,000	5,898,000	1960	178,000	527,000	1958	10,000	532,000	1958	114,000	440,00
972	498,000	1,515,000	1961	255,000	6,153,000	1961	165,000	692,000	1960	499,000	1,031,000	1960	1,018,000	1,458,00
995	563,000	2,078,000	1962	45,000	6,198,000	1962	5,000	697,000	1961	1,000	1,032,000	1961	1,000	1,459,00
			1964	182,000	6,380,000	1971	9,000	706,000	1962	1,000	1,033,000	1962	1,000	1,460,00
			1965	60,000	6,440,000	1973	1,728,000	2,434,000	1964	34,000	1,067,000	1964	17,000	1,477,00
			1966	1,658,000	8,098,000	1975	98,000	2,532,000	1965	325,000	1,392,000	1965	325,000	1,802,00
			1967	3,539,000	11,637,000	1978	25,000	2,557,000	1967	191,000	1,583,000	1967	85,000	1,887,00
			1969	14,000	11,651,000	1979	13,000	2,570,000	1968	44,000	1,627,000	1968	2,000	1,889,00
			1971	64,000	11,715,000	1981	8,000	2,578,000	1969	2,000	1,629,000	1969	1,000	1,890,00
			1973	1,310,000	13,025,000	1982	18,000	2,596,000	1971	3,000	1,632,000	1971	3,000	1,893,00
			1974	1,000	13,026,000	1983	511,000	3,107,000	1973	40,000	1,672,000	1973	54,000	1,947,00
			1975	200,000	13,226,000	1984	276,000	3,383,000	1975	618,000	2,290,000	1975	885,000	2,832,00
			1976	1,000	13,227,000	1985	140,000	3,523,000	1978	4,000	2,294,000	1978	2,000	2,834,00
			1978	100,000	13,327,000	1986	354,000	3,877,000	1979	35,000	2,329,000	1979	16,000	2,850,00
			1979	21,000	13,348,000	1987	1,185,000	5,062,000	1982	25,000	2,354,000	1982	36,000	2,886,00
			1981	21,000	13,369,000	1989	2,259,000	7,321,000	1983	1,000	2,355,000	1987	447,000	3,333,00
			1982	465,000	13,834,000	1990	77,000	7,398,000	1985	60,000	2,415,000	1989	286,000	3,619,00
			1983	1,874,000	15,708,000	1992	3,252,000	10,650,000	1986	60,000	2,475,000	1990	54,000	3,673,00
			1984	1,639,000	17,347,000	1993	124,769,000	135,419,000	1987	441,000	2,916,000	1992	303,000	3,976,00
			1986	6,756,000	24,103,000	1994	24,000	135,443,000	1989	236,000	3,152,000	1993	68,390,000	72,366,00
			1987	2,336,000	26,439,000	1995	7,098,000	142,541,000	1990	54,000	3,206,000	1994	1,160,000	73,526,00
			1989	674,000	27,113,000				1992	591,000	3,797,000	1995	26,867,000	100,393,00
			1990	183,000	27,296,000				1993	54,794,000	58,591,000			
			1991	105,000	27,401,000				1994	1,126,000	59,717,000			
			1992	1,159,000	28,560,000				1995	13,514,000	73,231,000			
			1993	55,261,000	83,821,000									
			1994	1,233,000	85,054,000									
			1995	28,182,000	113,236,000									

	WACONE	)A		CEDAR BL	UFF
V	\$ Damages	Cumulative	V	\$ Damages	Cumulative
Year	Prevented	Total	Year	Prevented	Total
1968	280,000	280,000	1951	597,000	597,000
1969	606,000	886,000	1955	357,000	954,000
1971	9,000	895,000	1956	19,000	973,000
1973	3,797,000	4,692,000	1957	4,812,000	5,785,000
1974	1,000	4,693,000	1958	829,000	6,614,000
1975	967,000	5,660,000	1960	1,573,000	8,187,000
1978	11,000	5,671,000	1961	101,000	8,288,000
1979	959,000	6,630,000	1962	1,000	8,289,000
1981	24,000	6,654,000	1964	17,000	8,306,000
1982	1,398,000	8,052,000	1965	38,000	8,344,000
1983	360,000	8,412,000	1967	42,000	8,386,000
1984	1,363,000	9,775,000	1969	1,000	8,387,000
1985	331,000	10,106,000	1971	8,000	8,395,000
1986	1,269,000	11,375,000	1973	536,000	8,931,000
1987	5,699,000	17,074,000	1975	11,000	8,942,000
1989	1,779,000	18,853,000	1979	2,000	8,944,000
1990	194,000	19,047,000	1981	1,000	8,945,000
1991	31,000	19,078,000	1982	48,000	8,993,000
1992	17,535,000	36,613,000	1983	1,000	8,994,000
1993	889,702,000	926,315,000	1985	3,000	8,997,000
1994	8,952,000	935,267,000	1987	31,000	9,028,000
1995	171,843,000	1,107,110,000	1992	3,000	9,031,000
	U. W.E.		1993	101,444,000	110,475,000
			1995	6,810,000	117,285,000

NOTE:	Construction Cost of storage dams \$208,954,130.
	The reservoirs upstream from Harlan County Lake did not
	receive benefits for damages prevented from 1972 to 1993.

501	\$ Damages	Cumulative
Year	Prevented	Total
1951	1,124,000	1,124,000
1953	135,000	1,259,000
1955	357,000	1,616,000
1956	123,000	1,739,000
1957	8,342,000	10,081,000
1958	953,000	11.034.000
1960	9,800,000	20.834,000
1961	523,000	21,357,000
1962	247,000	21,604,000
1964	300,000	21,904,000
1965	1,772,000	23,676,000
1966	1,772,000	25,466,000
1967	5.179.000	30.645.000
1968	326,000	
		30,971,000
1969	832,000	31,803,000
1971	96,000	31,899,000
1972	498,000	32,397,000
1973	7,465,000	39,862,000
1974	2,000	39,864,000
1975	2,779,000	42,643,000
1976	1,000	42,644,000
1978	142,000	42,786,000
1979	1,046,000	43,832,000
1981	54,000	43,886,000
1982	1,990,000	45,876,000
1983	2,747,000	48,623,000
1984	3.278.000	51,901,000
1985	534,000	52,435,000
1986	8,439,000	60,874,000
1987	10,139,000	71,013,000
1989	5,234,000	76,247,000
1990	562,000	76,809,000
1990	136,000	76,945,000
1991		
7	22,843,000	99,788,000
1993	1,294,360,000	1,394,148,000
1994	13,654,000	1,407,802,000
1995	261,829,000	1,669,631,000

TABLE 6
WATER DIVERTED IN 1995 AND THE
ESTIMATED DIVERSION FOR 1996
(Units - Acre-Feet)

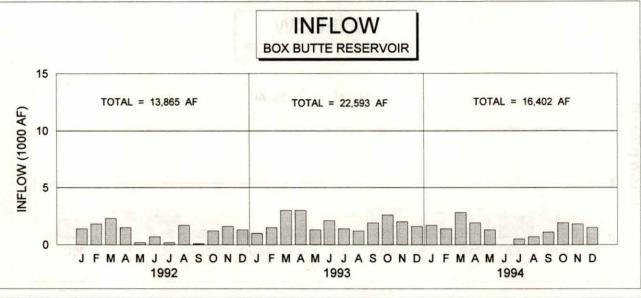
	1995 Irrigation		10-Year			
			Average	43,000 1302	Estimate	
	250	ations	Diversion	1995	Diversion	
Irrigation District and Canal	From	То	(1985-94)	Diversion	in 199	
Mirage Flats Irrigation District						
Mirage Flats Canal	7/10	9/16	13,922	16,253	15,000	
Ainsworth Irrigation District	.,,,	A STREET	10,022	CO KE SHO	10,000	
Ainsworth Canal	6/04	8/18	66,744	68,400	70,000	
Sargent Irrigation District	0,01	0,10	00,144	00,400	70,000	
Sargent Canal	6/25	9/20	22.805	22,860	25,000	
Farwell Irrigation District	0,20	0.20	22,000	22,000	25,000	
Farwell Canal	6/07	9/15	66,224	85,518	80,000	
Twin Loups Irrigation District	0,01	0/10	00,224	00,510	00,000	
Above Davis Creek	5/29	9/20	THE REAL PROPERTY.	39,846	40,000	
Below Davis Creek	5/24	9/20	100	33,843	35,000	
Delow Davis Creek	3/24	5/20	a the street	33,043	35,000	
Total Twin Loups Irrigation District			The Carlo State	73,689	75,000	
Franchisco Valley Infrastru District						
Frenchman Valley Irrigation District	F100	0.05	The second	Andrew College	44.000	
Culbertson Canal	5/02	9/05	11,006	9,527	11,000	
H & RW Irrigation District		TORREST - TO		A 10-1		
Culbertson Extension Canal	7/05	8/31	13,115	12,024	13,000	
Frenchman-Cambridge Irrigation District	0110		00.444	101.0FT 10597		
Meeker-Driftwood Canal	6/19	9/15	29,144	35,371	32,000	
Red Willow Canal	6/19	9/15	7,645	8,974	8,000	
Bartley Canal	6/07	9/15	8,331	10,677	10,000	
Cambridge Canal	6/15	9/15	26,111	31,748	29,000	
Total Frenchman-Cambridge Irrigation District			71,231	86,770	79,000	
Almena Irrigation District						
Almena Canal	5/02	9/11	1,364	4,965	5,000	
Bostwick Irrigation District in Nebraska			12,121,1		nda table a	
Franklin Canal	6/21	9/19	24,667	35,712	30,000	
Naponee Canal	6/26	9/09	2,498	3,185	3,000	
Franklin Pump Canal	7/09	9/15	2,823	3,963	3,000	
Superior Canal	6/25	9/14	13,290	17,272	16,000	
Courtland Canal (Nebraska)	6/21	9/18	1,587	2,159	2,000	
Total Bostwick Irrigation District in Nebraska			44,865	62,291	54,000	
Kansas-Bostwick Irrigation District						
Courtland Canal above Lovewell	6/21	9/18	23,033	33,636	31,000	
Courtland Canal below Lovewell	5/09	9/18	39,181	46,493	46,000	
Total Kansas-Bostwick Irrigation District			62,214	80,129	77,000	
Kirwin Irrigation District						
Kirwin Canal	6/05	9/08	9,686	21,751	20,000	
Webster Irrigation District			.,		25,500	
Osborne Canal	6/05	9/08	5,885	16,159	14,000	
Glen Elder Irrigation District	8/29	9/18	COLUMN TO SERVICE	1,548	8,000	
TOTAL			389,061	561,884		

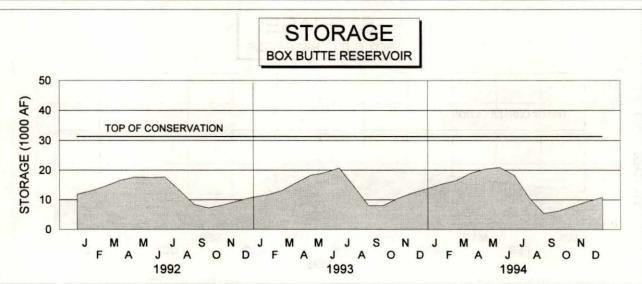
TABLE 7
NEBRASKA-KANSAS AREA OFFICE
Summary of Precipitation, Reservoir Storage and Inflows

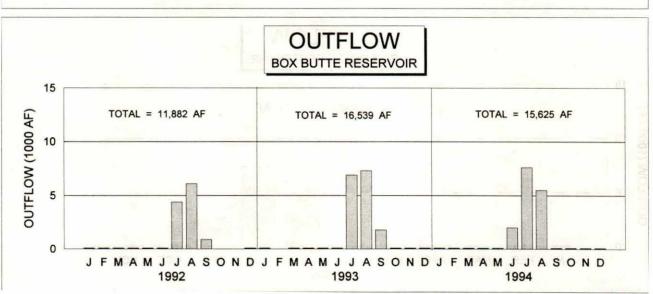
### CALENDAR YEAR 1995

	Total	Percent Of Average	Storage 12-31-94	Storage 12-31-95	Gain or_ Loss	Maximum Storage		Minimum Storage		Total	Percent Of Most
	Precip.					Content Date		Content	Date	Inflow	Probable
Reservoir	Inches	%	AF	AF	AF	AF		AF		AF	%
Box Butte	22.32	141	10,813	12,608	1,795	21,743	JUL 4	6,242	SEP 15	20,825	114
Merritt	27.27	141	68,831	68,831	0	76,549	MAY 31	35,714	SEP 13	197,923	112
Sherman	25.23	114	52,722	51,531	(1,191)	69, <mark>65</mark> 3	JUN 1	28,546	SEP 11	107,943	96
Calamus	32.12	142	94,714	108,566	13,852	131,437	MAY 30	66,386	SEP 29	318,106	128
Davis Creek	25.26	109	8,385	18,285	9,900	31,535	JUL 3	7,432	APR 16	57,453	168
Bonny	21.18	127	37,485	36,460	(1,025)	45,121	JUN 14	36,213	DEC 16	18,133	107
Enders	18.02	98	24,660	23,334	(1,326)	32,482	JUL 3	18,344	AUG 29	18,911	62
Swanson	21.55	109	85,117	81,238	(3,879)	126,918	<b>JUN 20</b>	73,841	OCT 22	69,414	107
Hugh Butler	15.52	79	32,804	31,465	(1,339)	39,788	JUN 15	29,705	SEP 22	16,813	91
Harry Strunk	19.23	94	28,054	21,613	(6,441)	39,779	<b>MAY 27</b>	13,005	SEP 8	38,366	93
Keith Sebelius	25.59	107	25,216	24,513	(703)	31,957	JUN 16	24,363	NOV 8	11,214	244
Harlan County	22.11	99	285,301	263,580	(21,721)	388,925	JUN 7	248,553	SEP 18	201,800	146
Lovewell	23.15	84	30,970	37,320	6,350	57,380	JUN 5	27,860	SEP 11	67,465	106
Kirwin	28.31	123	98,680	104,330	5,650	144,675	JUN 2	98,120	SEP 11	91,083	542
Webster	28.83	125	82,405	82,482	77	144,654	JUN 5	75,653	SEP 10	157,434	1,249
Waconda	25.80	103	221,194	242,339	21,145	416,682	JUN 10	215,694	SEP 11	538,278	549
Cedar Bluff	24.16	118	69,244	91,680	22,436	98,610	AUG 8	69,244	JAN 1	38,773	467

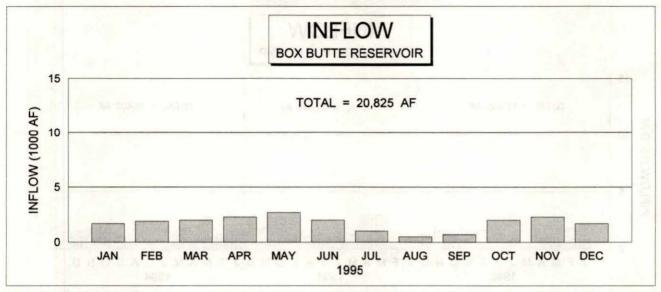
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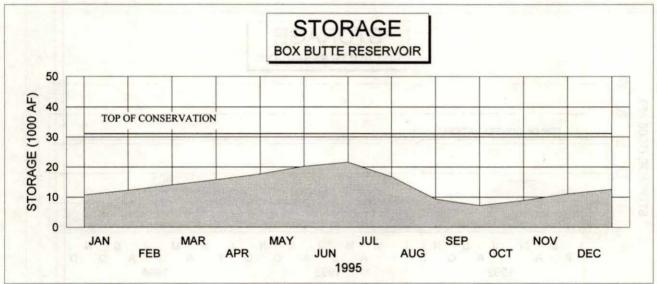


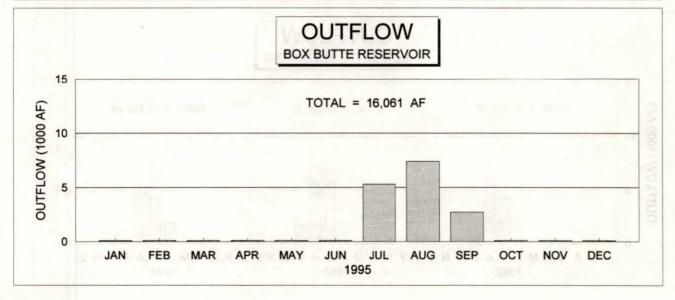




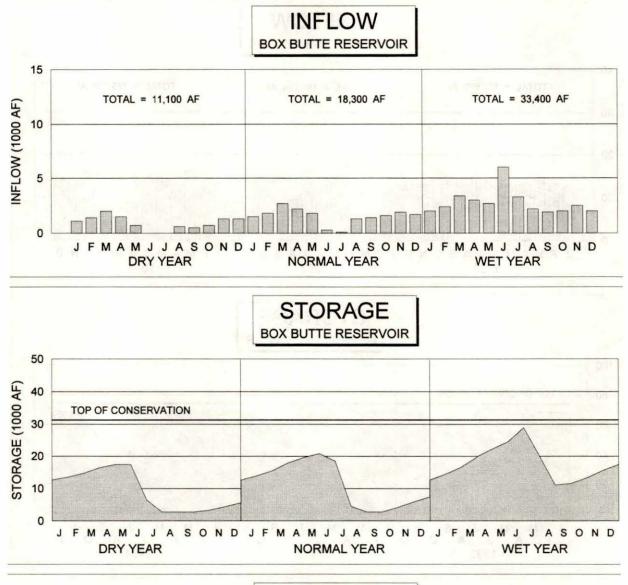
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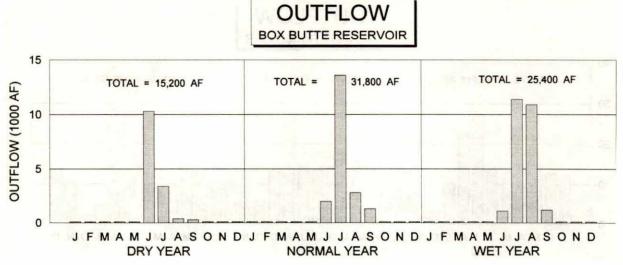




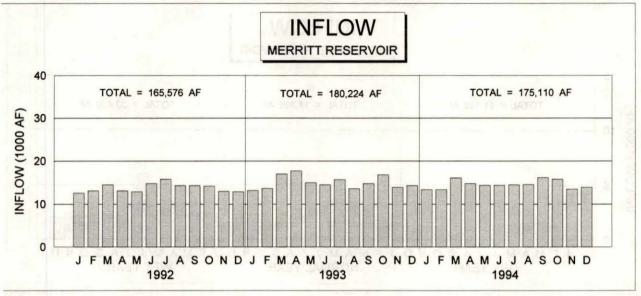


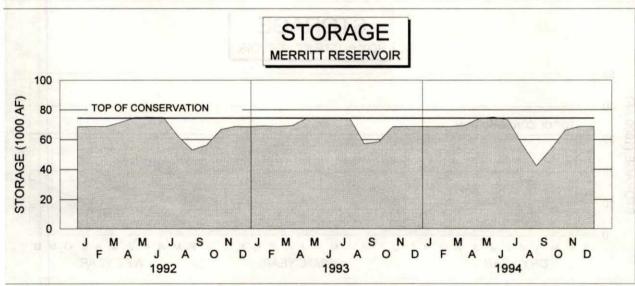
### **BOX BUTTE RESERVOIR**

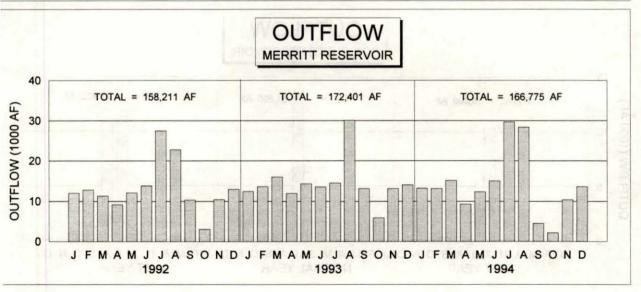




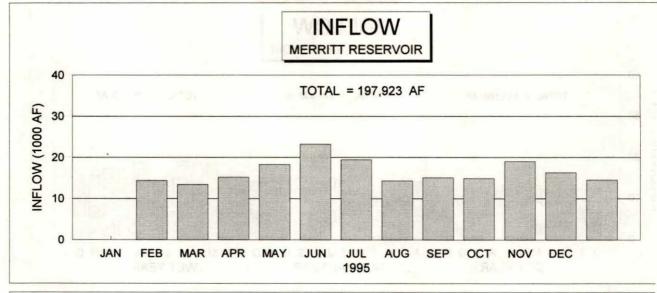
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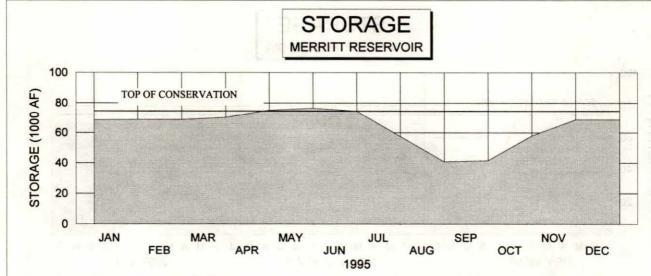


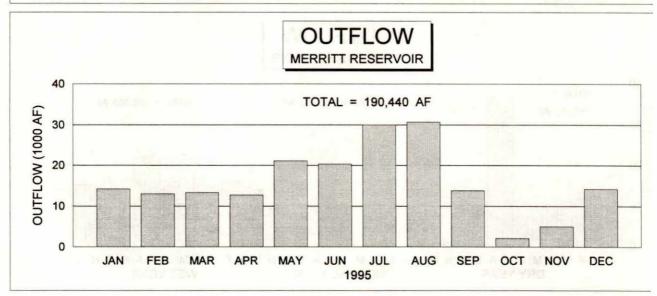




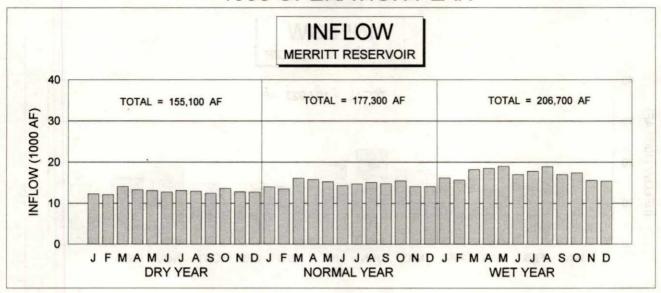
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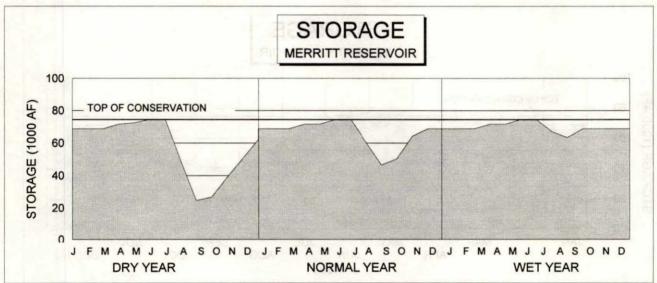


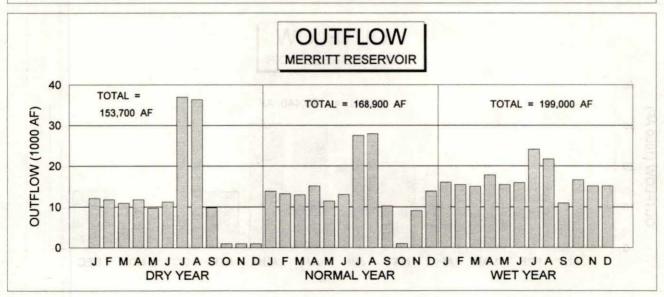




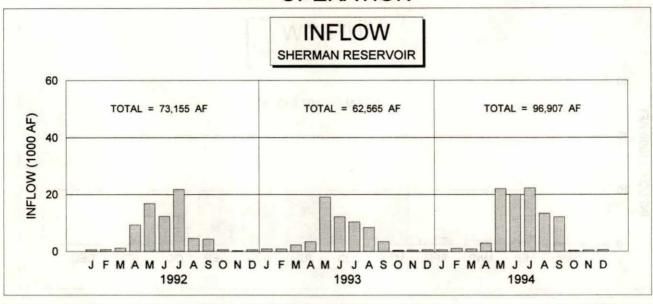
## **MERRITT RESERVOIR**

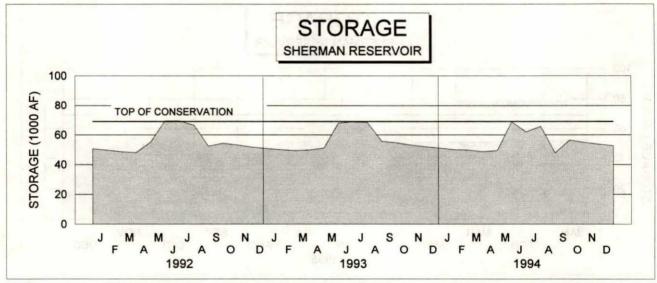


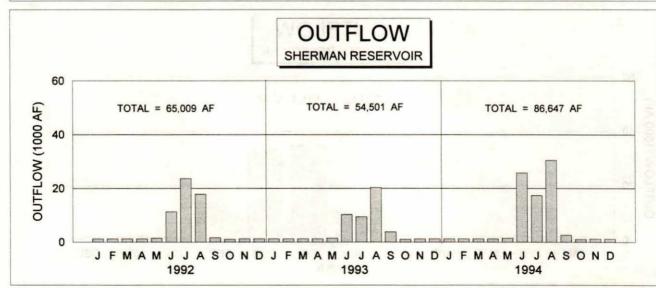




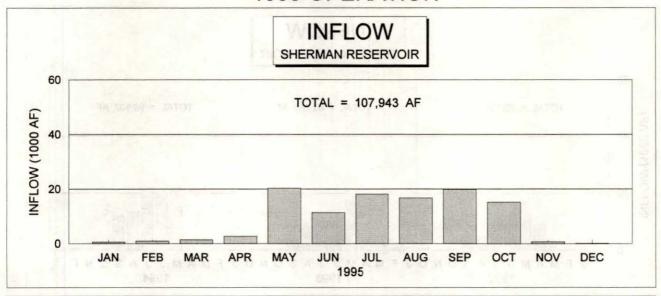
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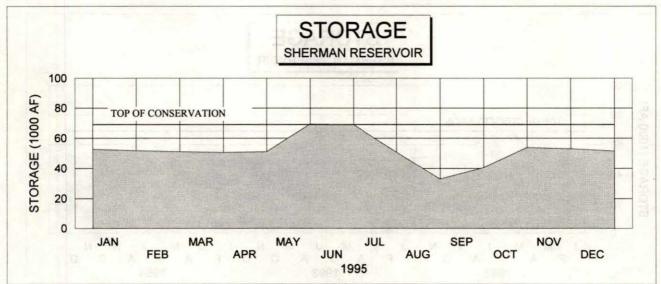


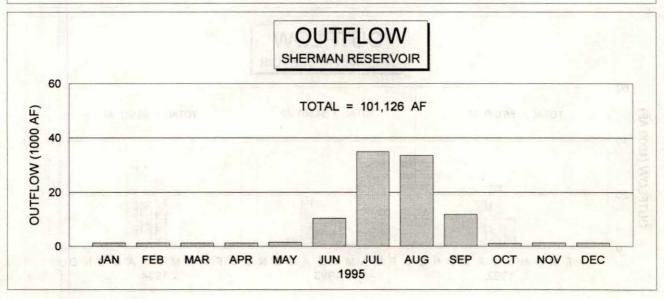




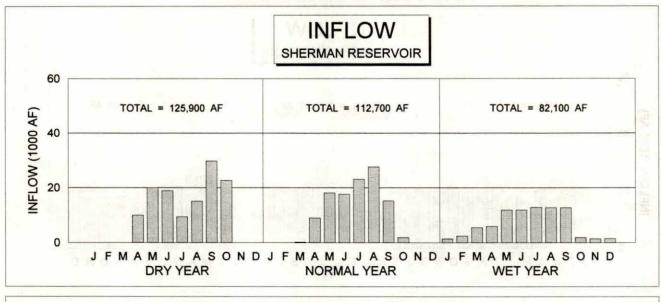
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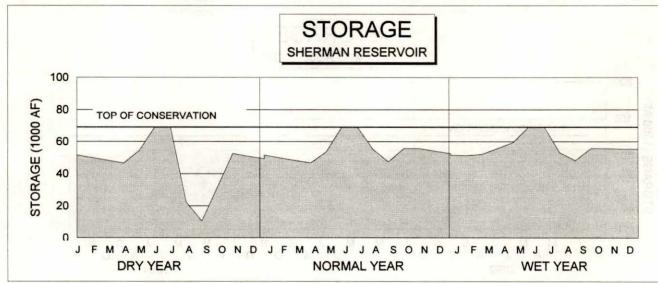


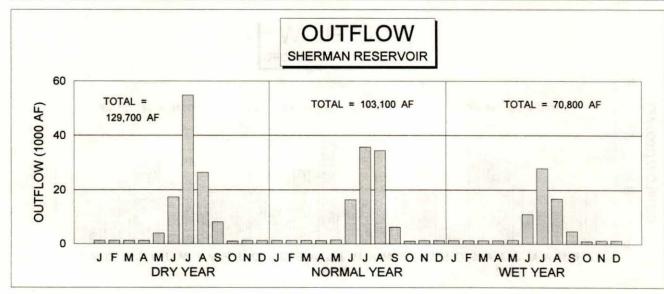




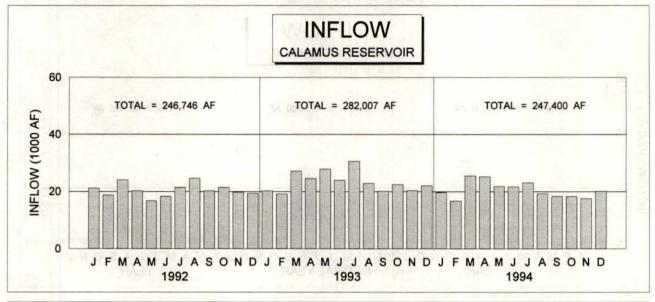
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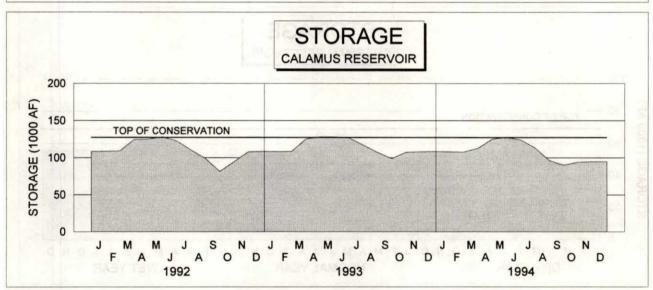


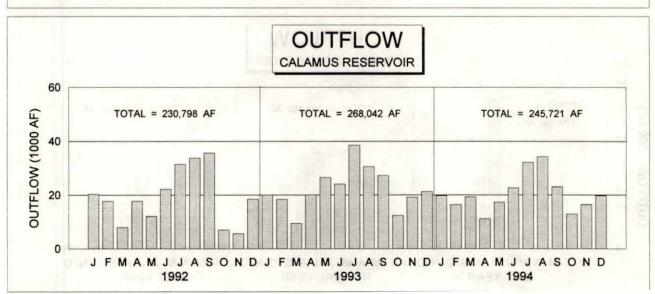




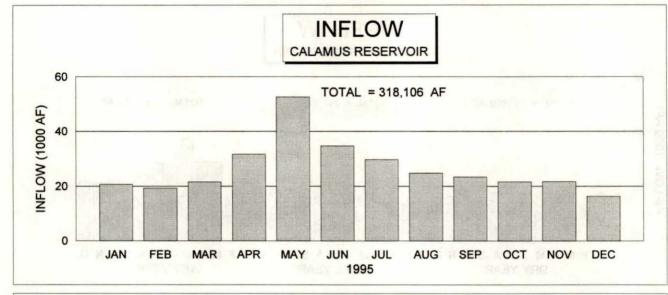
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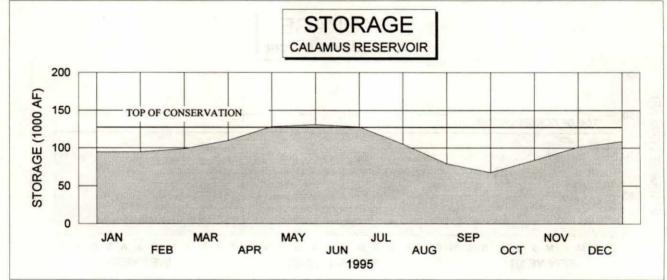


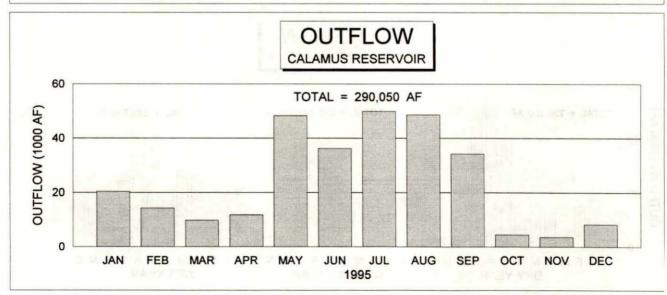




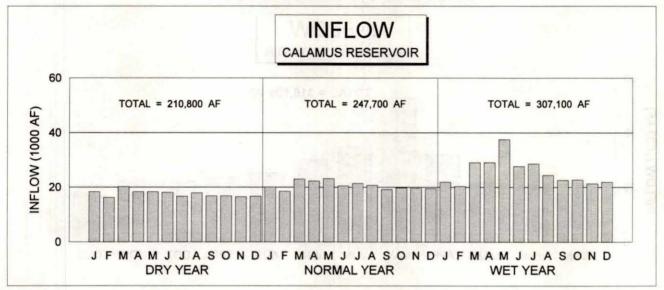
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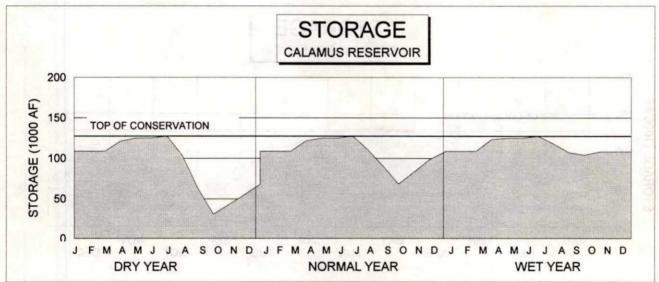


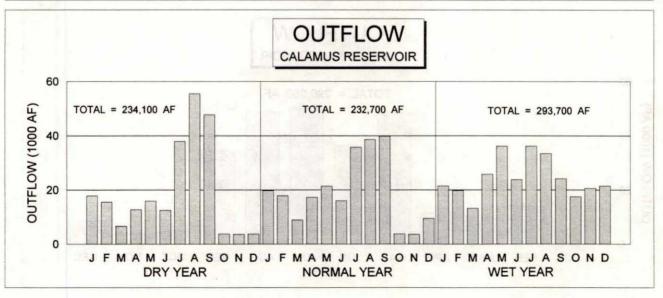




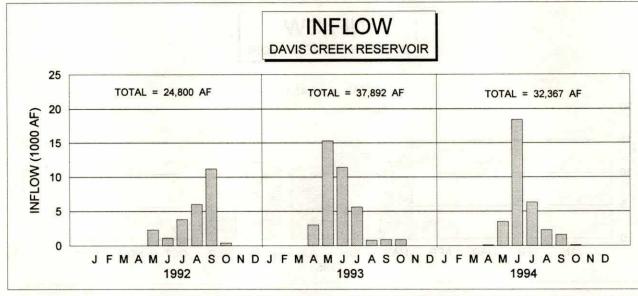
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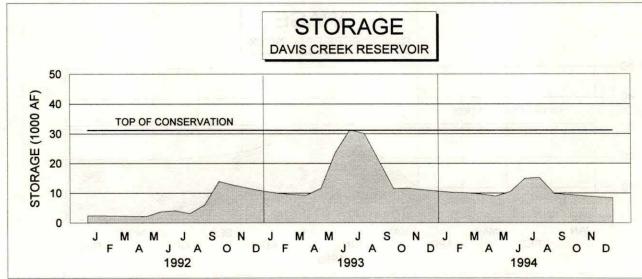


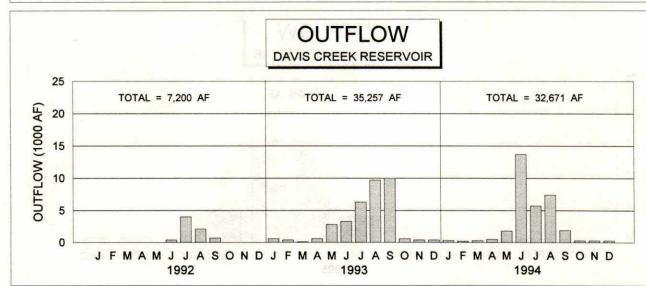




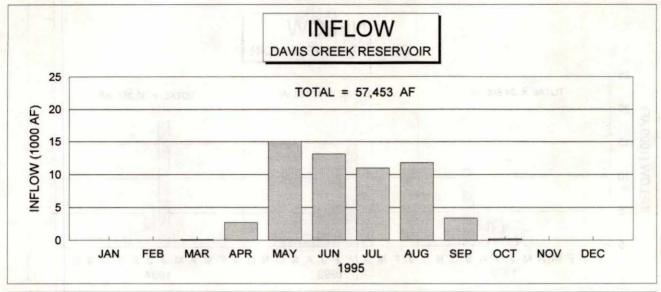
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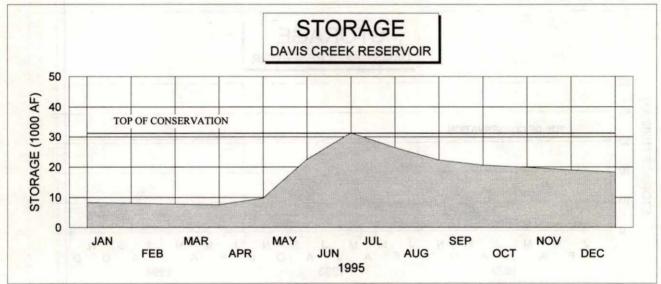


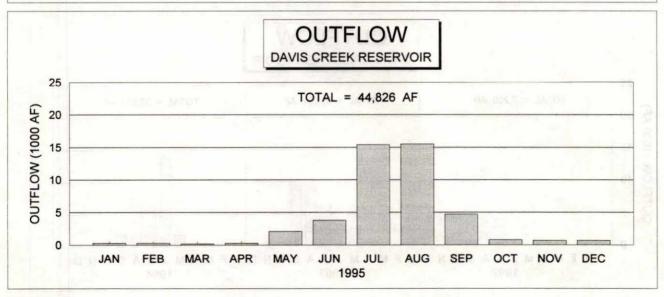




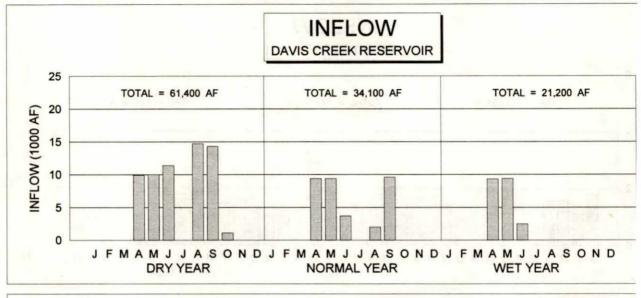
## DAVIS CREEK RESERVOIR

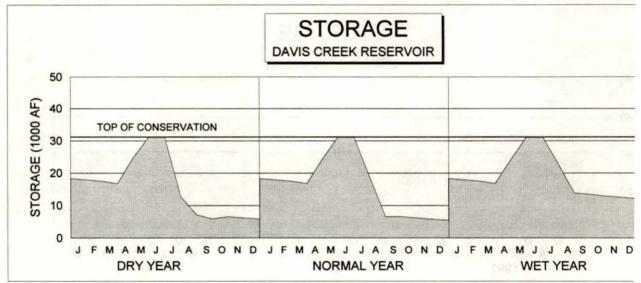


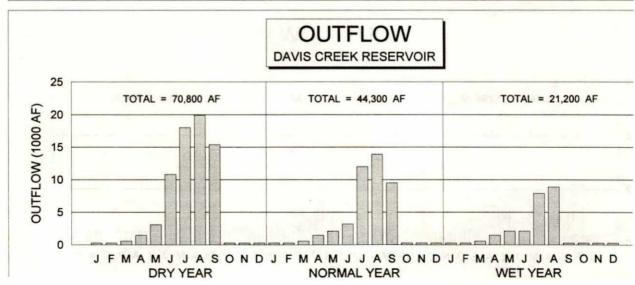




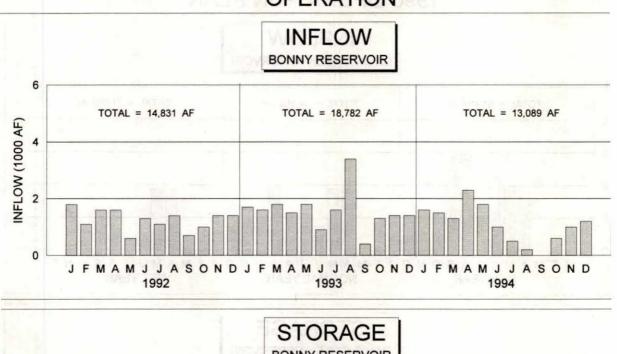
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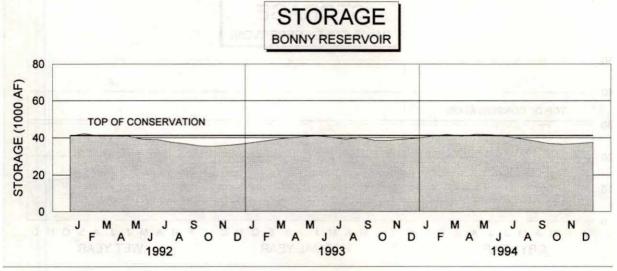


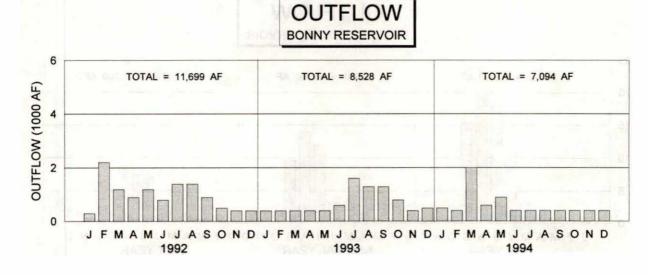




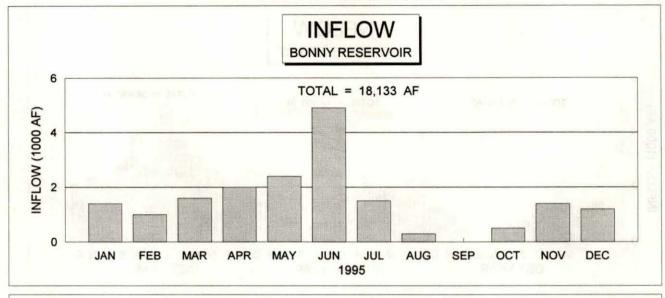
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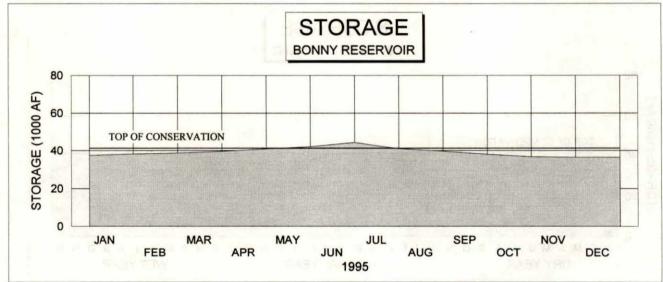


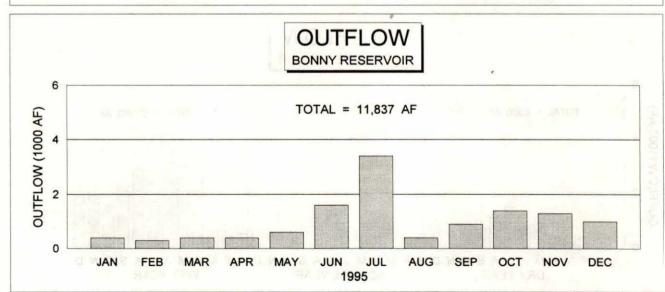




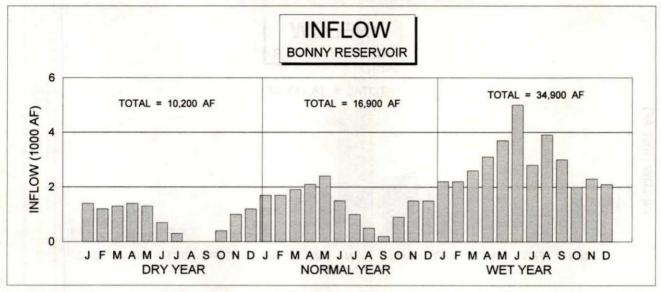
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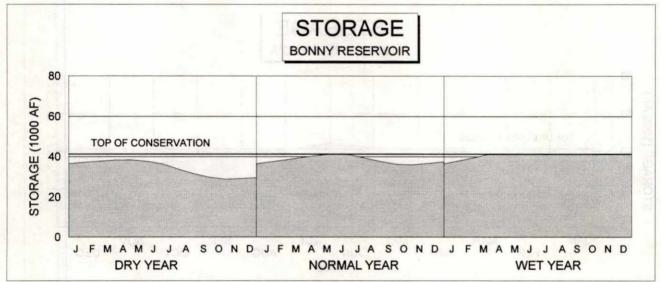


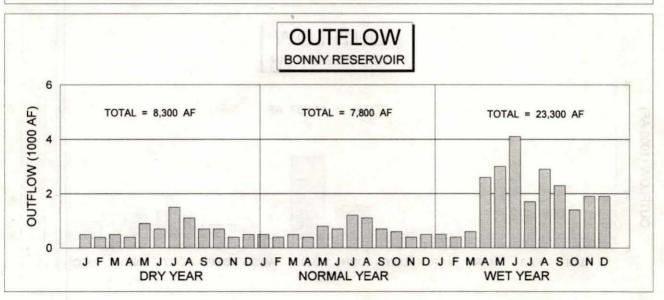




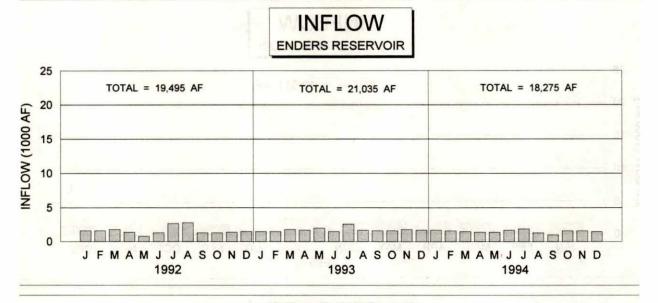
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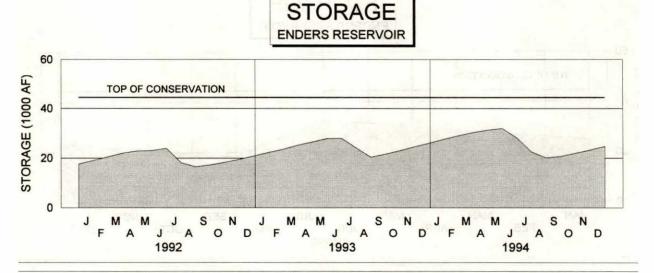


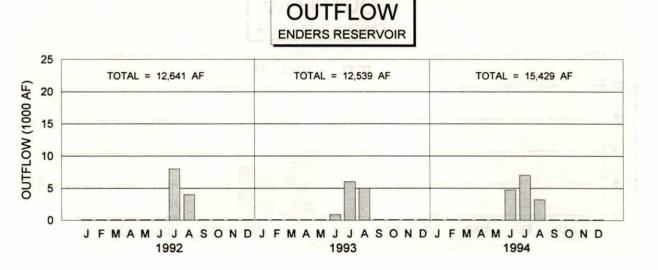




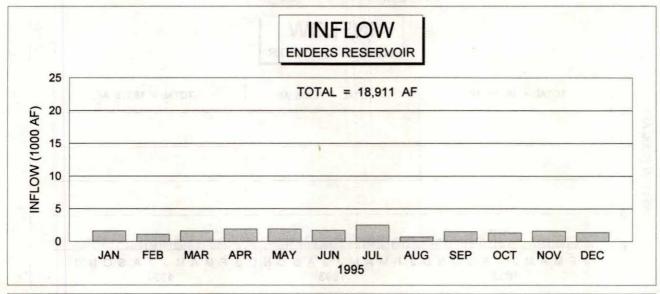
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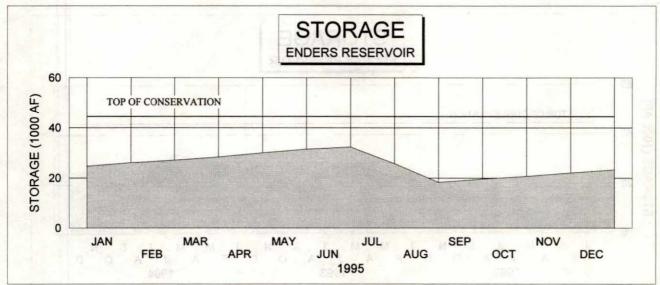


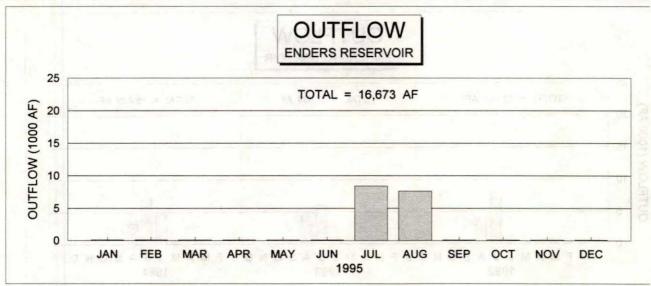




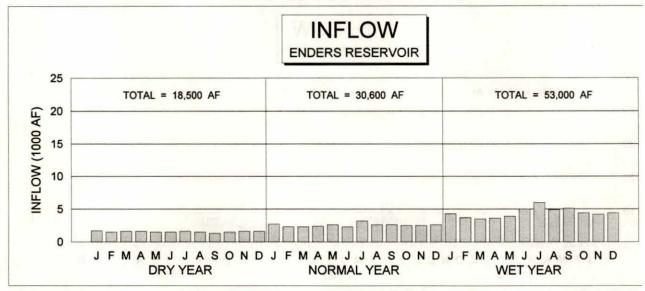
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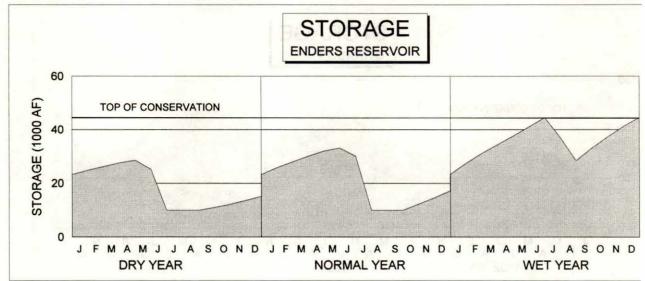


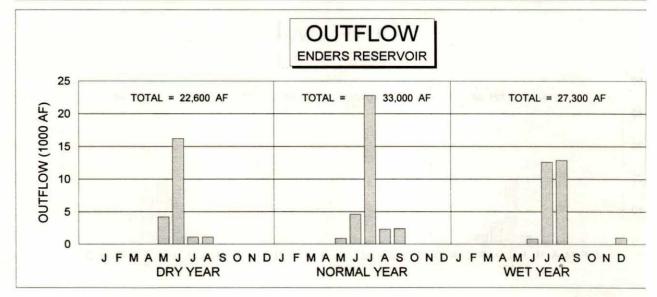




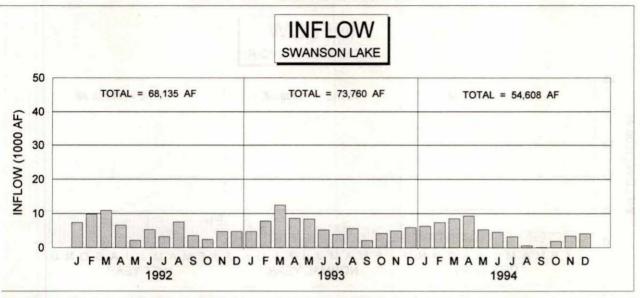
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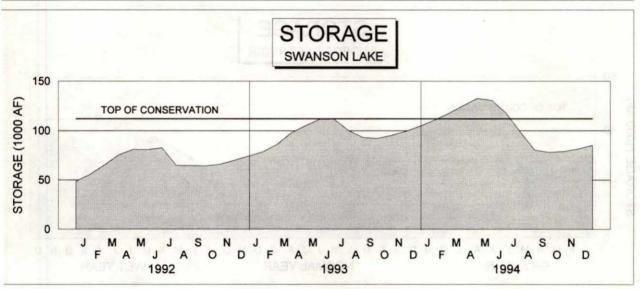


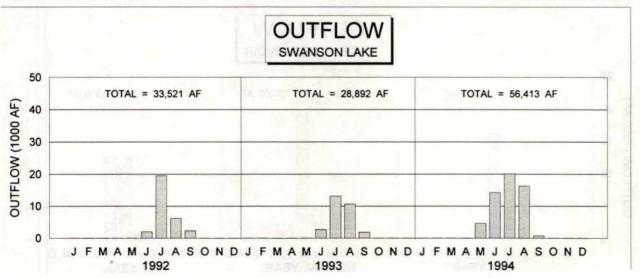




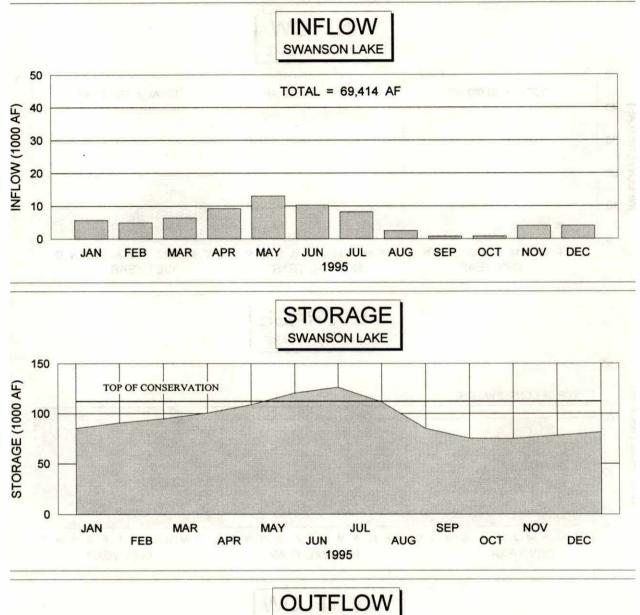
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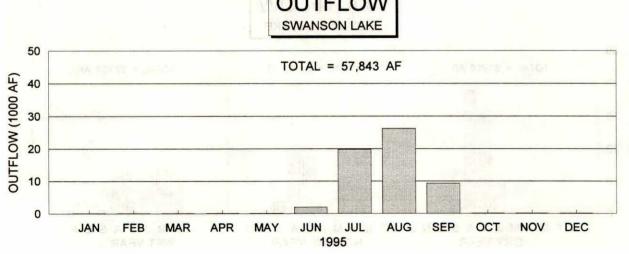




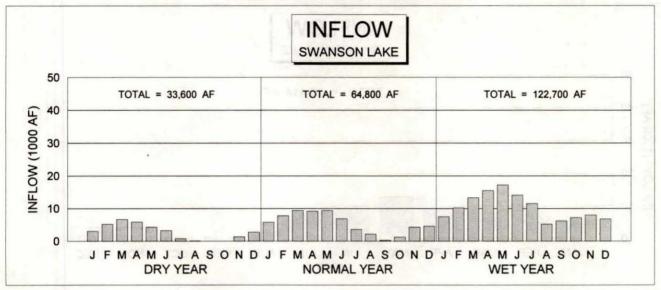


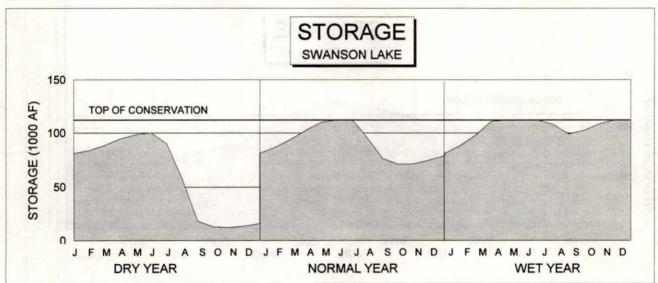
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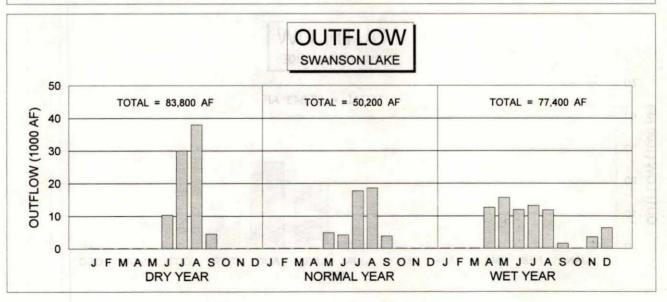




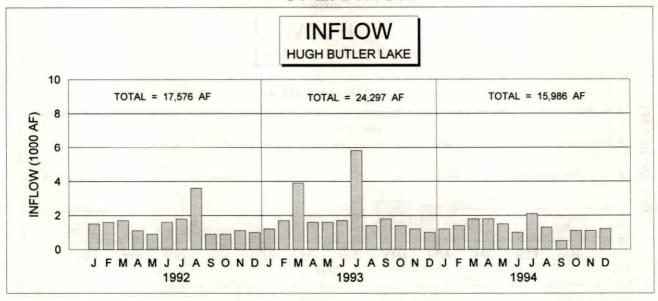
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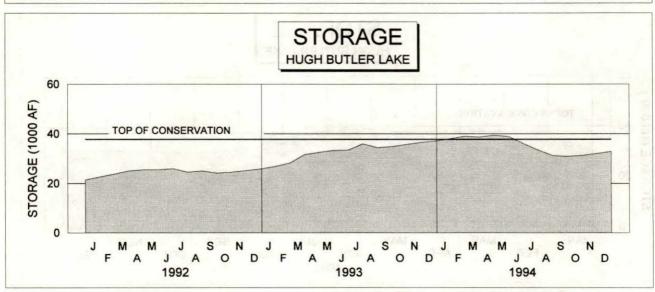


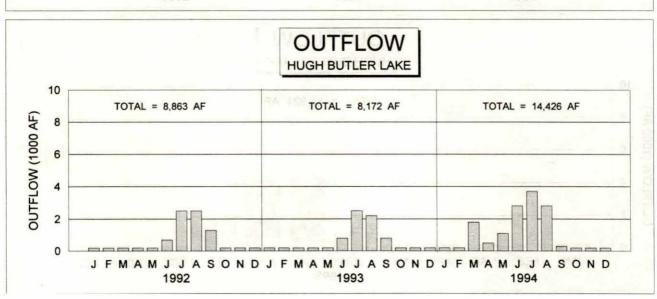




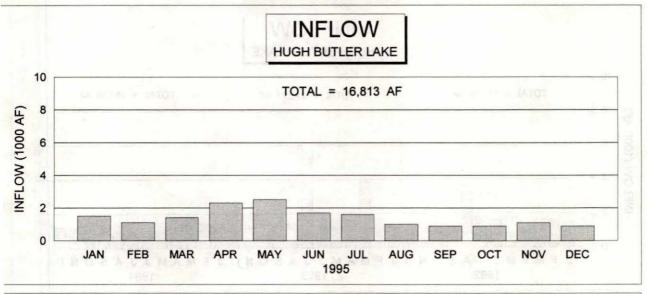
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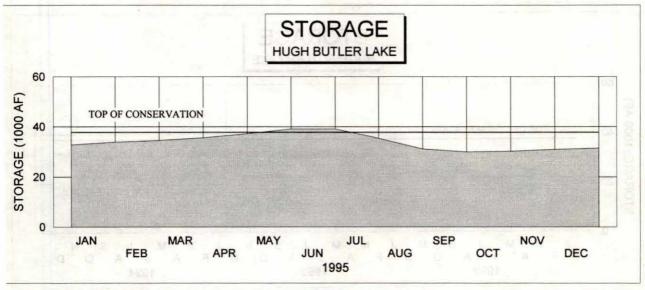


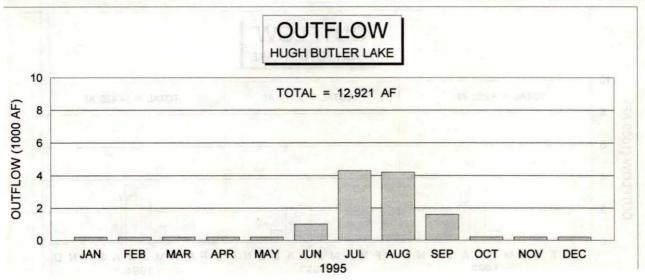




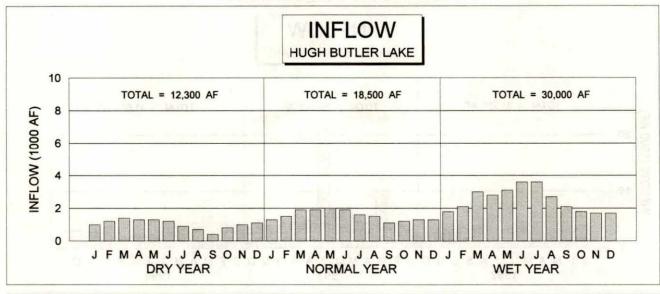
## **HUGH BUTLER LAKE**

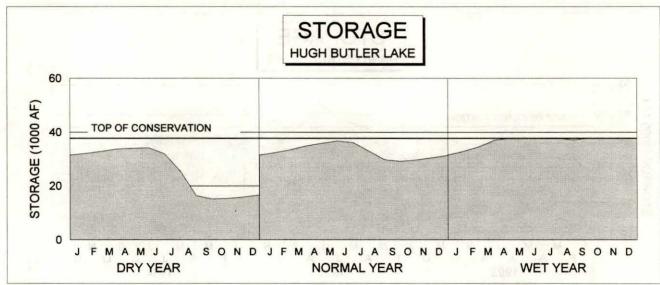


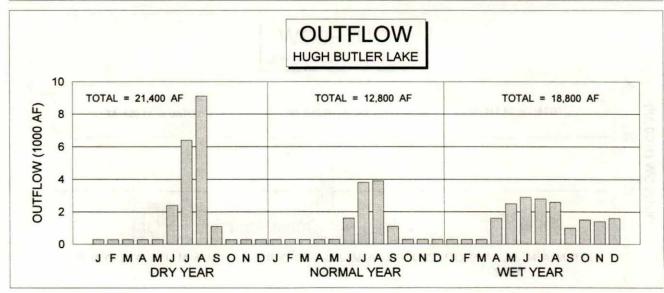




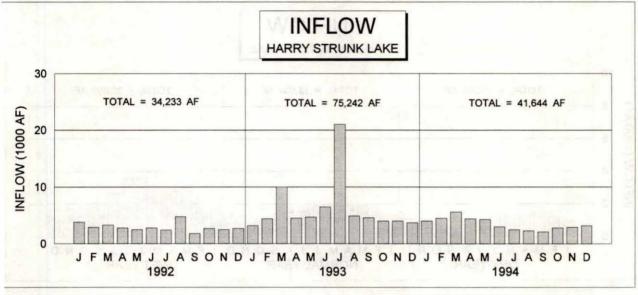
# **HUGH BUTLER LAKE**

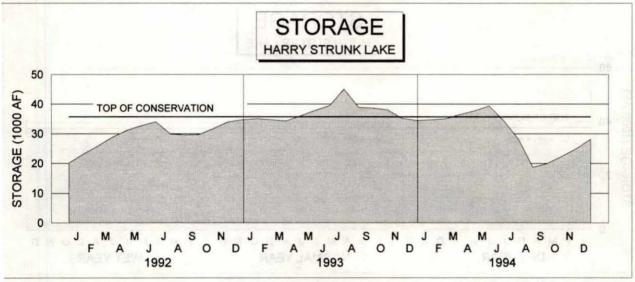


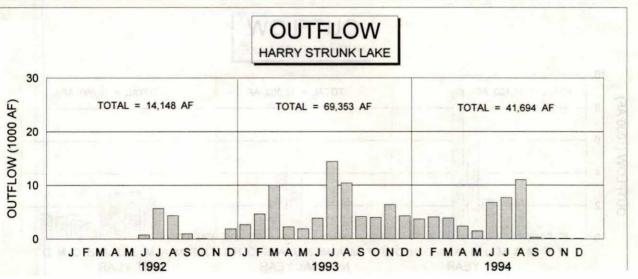




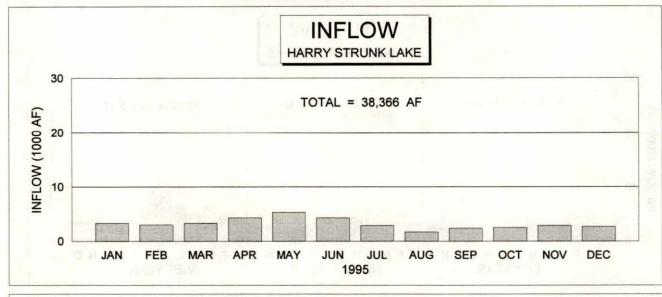
## HARRY STRUNK LAKE

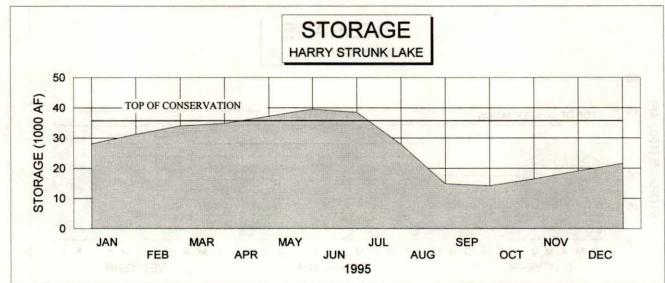


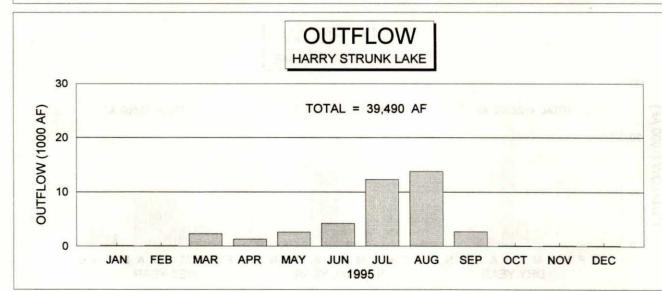




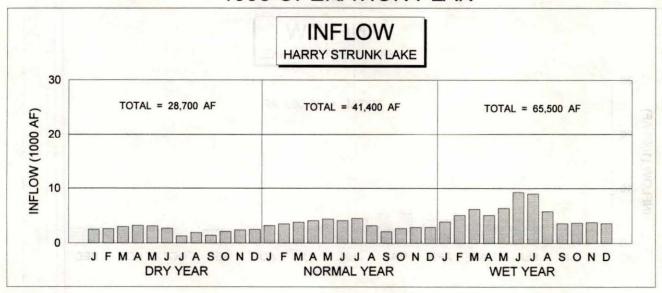
## HARRY STRUNK LAKE

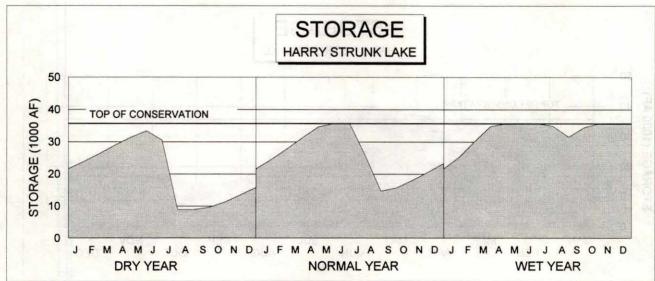


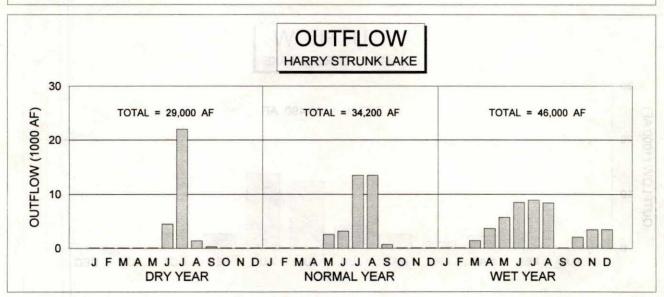




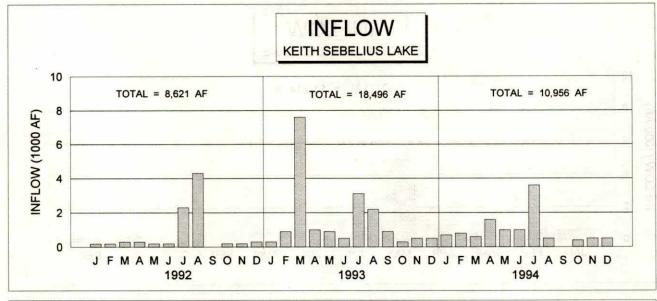
#### HARRY STRUNK LAKE

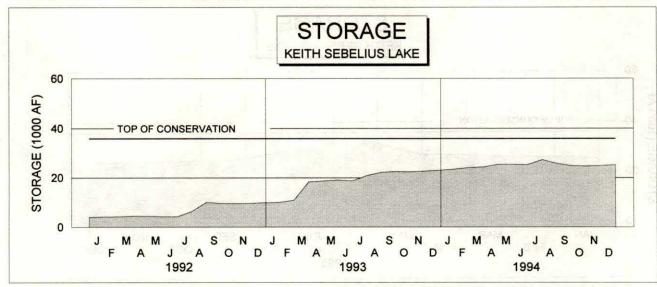


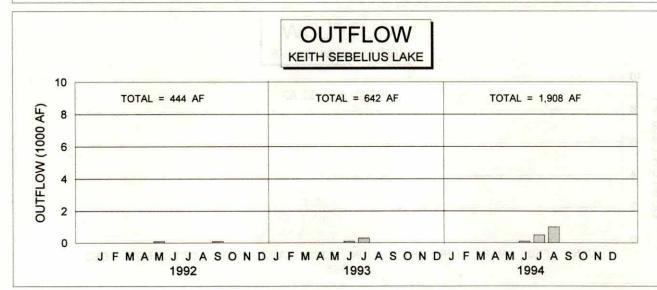




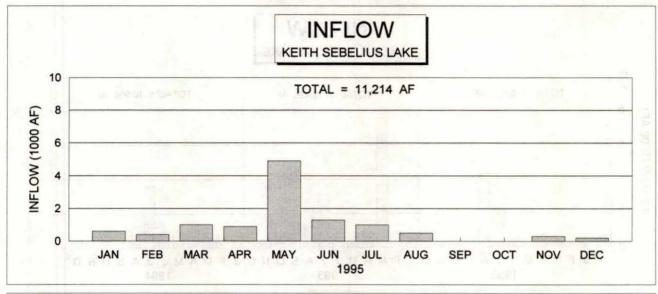
# **KEITH SEBELIUS LAKE**

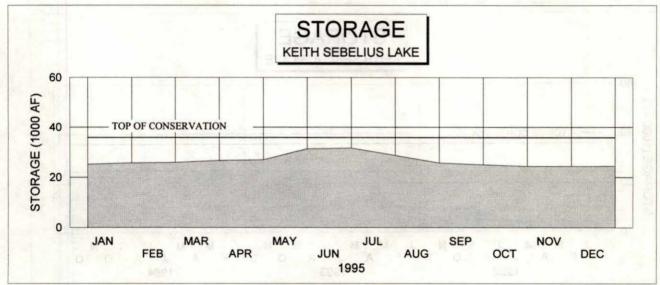


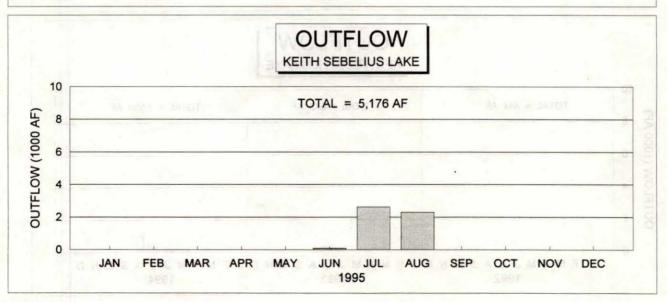




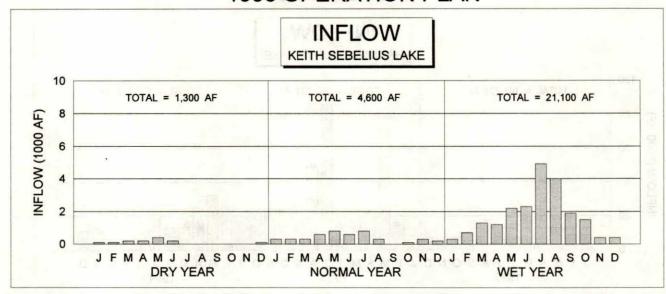
## **KEITH SEBELIUS LAKE**

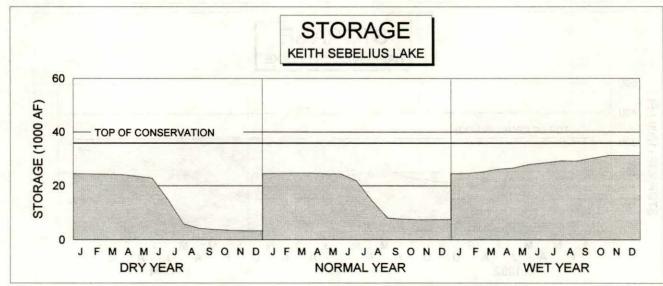


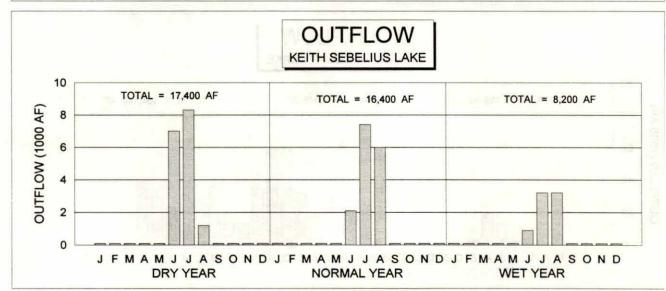




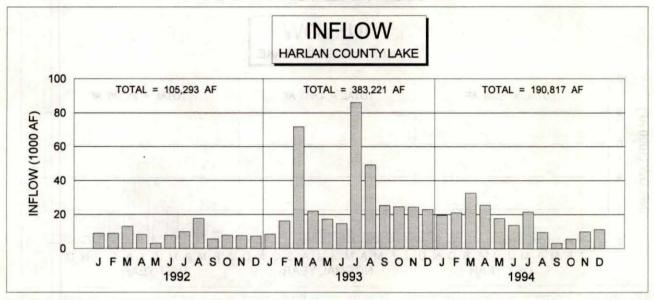
### KEITH SEBELIUS LAKE

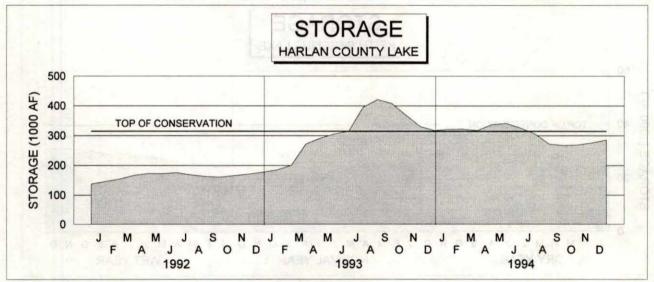


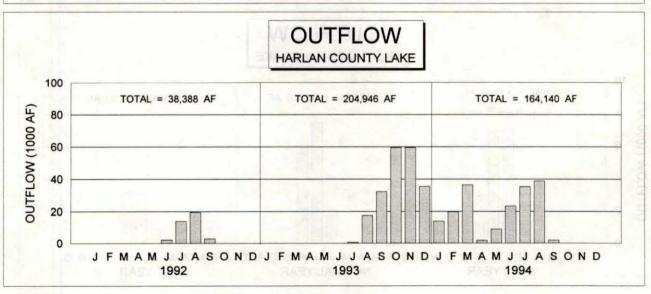




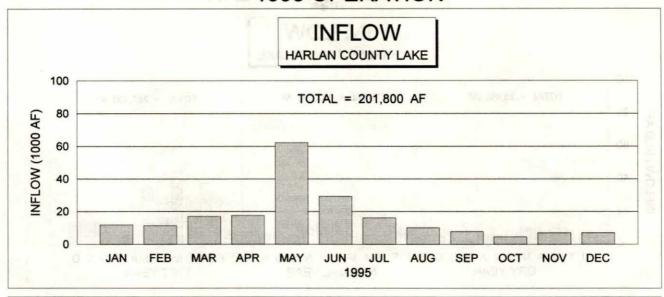
#### HARLAN COUNTY LAKE

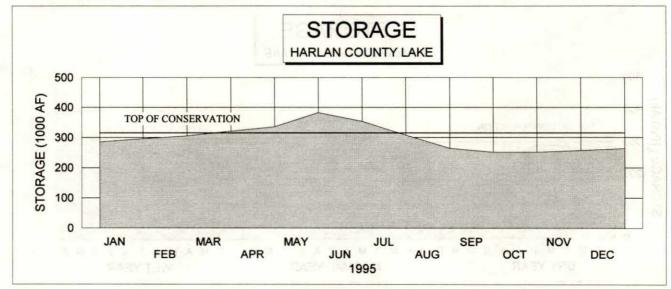


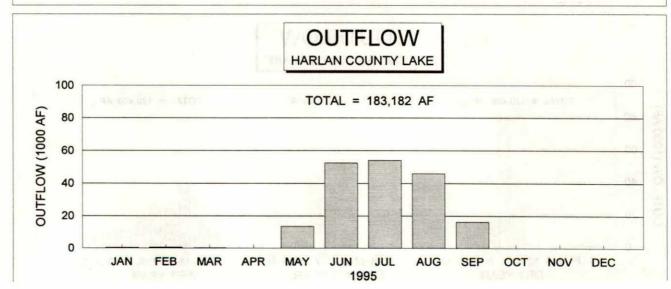




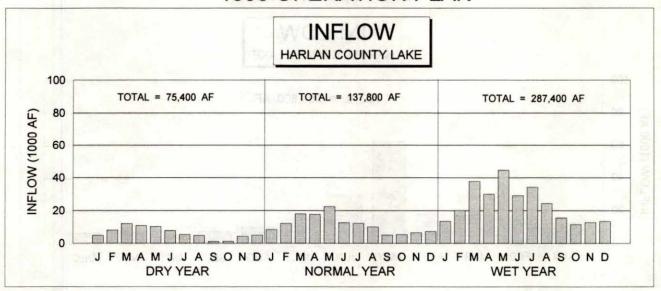
## **HARLAN COUNTY LAKE**

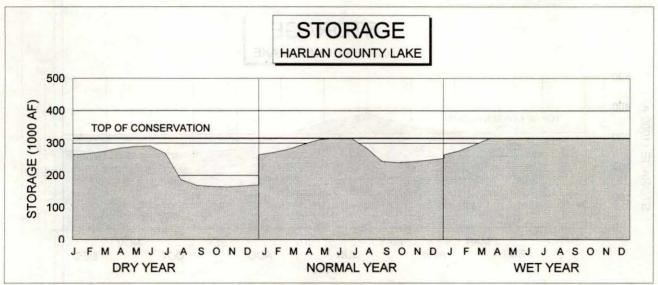


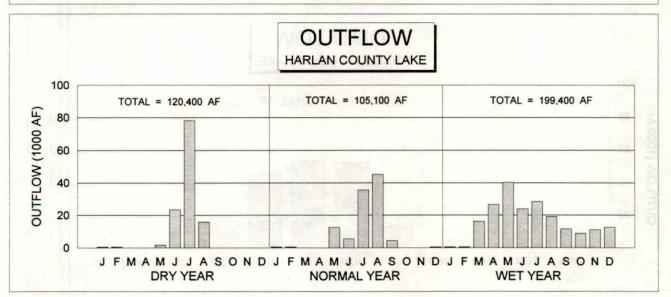




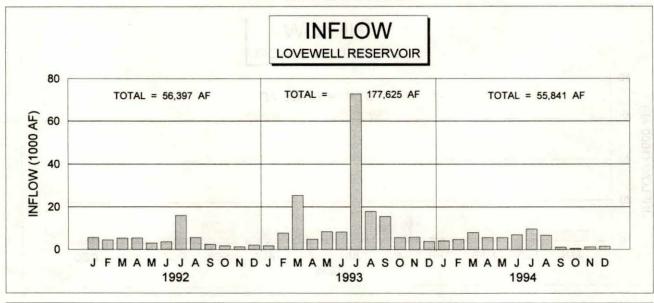
#### **HARLAN COUNTY LAKE**

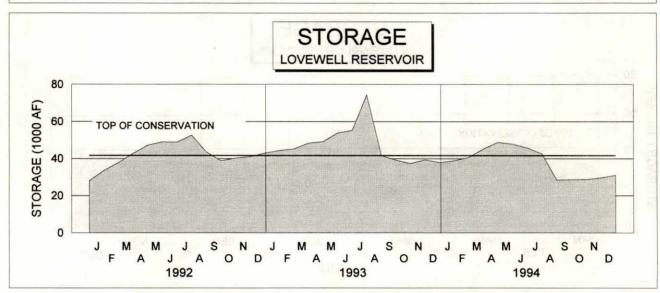


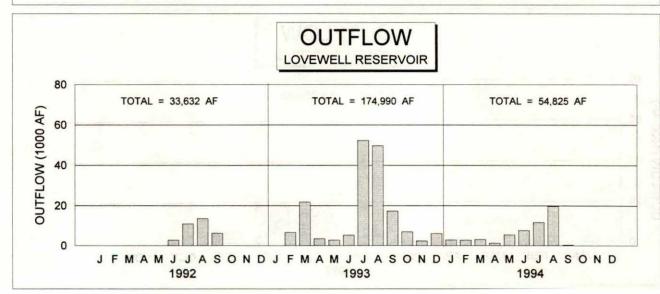




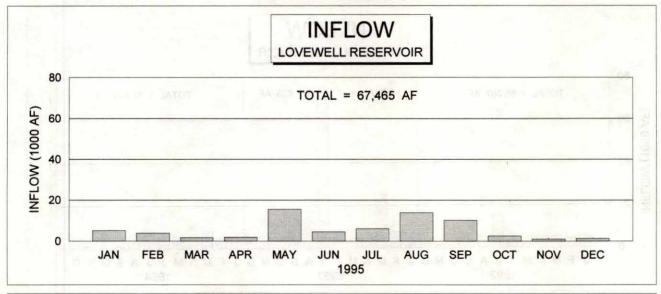
### **LOVEWELL RESERVOIR**

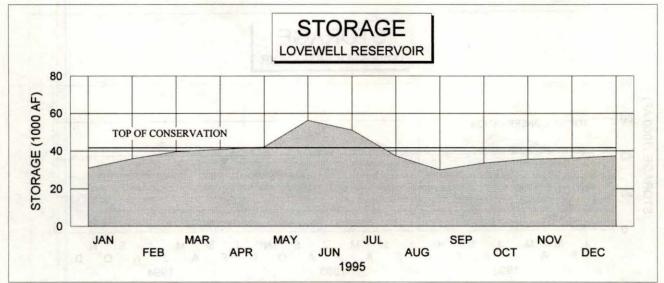


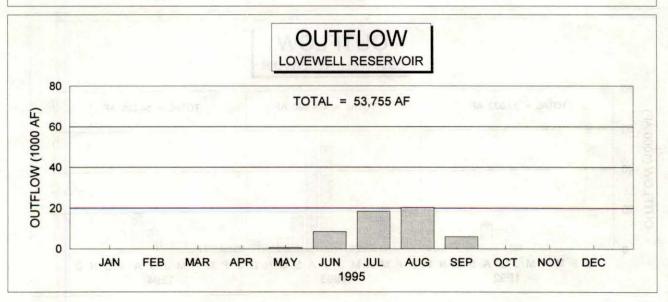




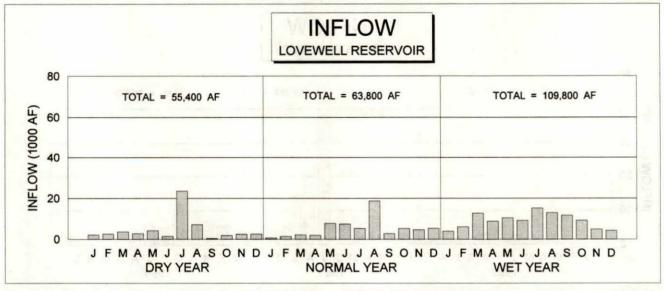
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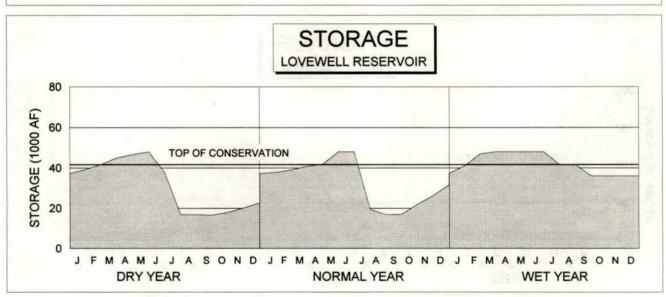


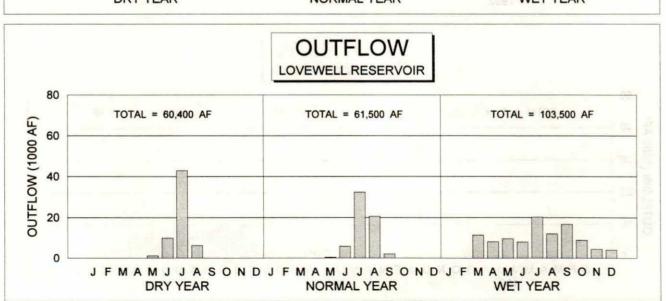




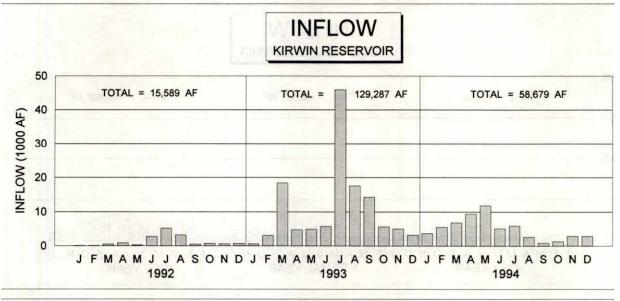
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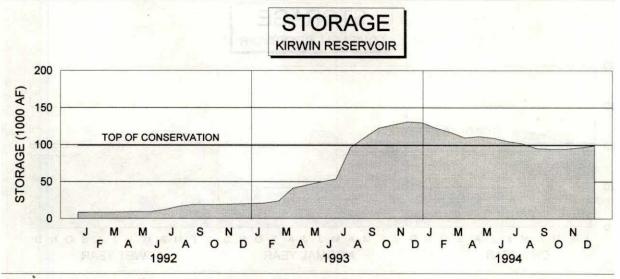


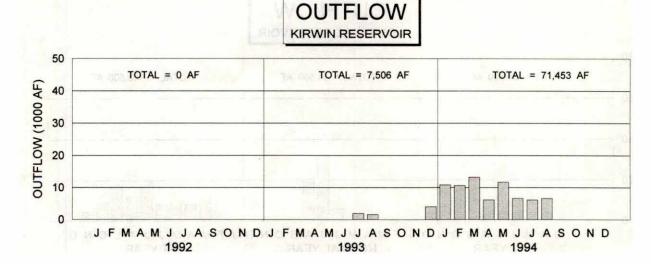




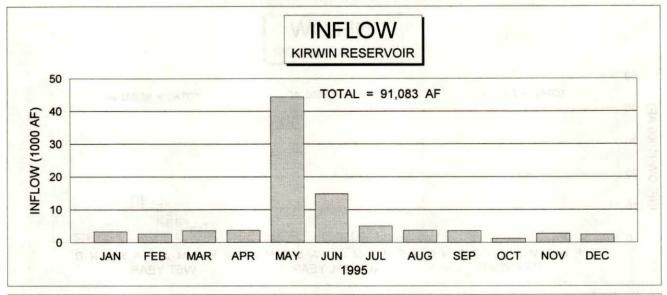
#### **KIRWIN RESERVOIR**

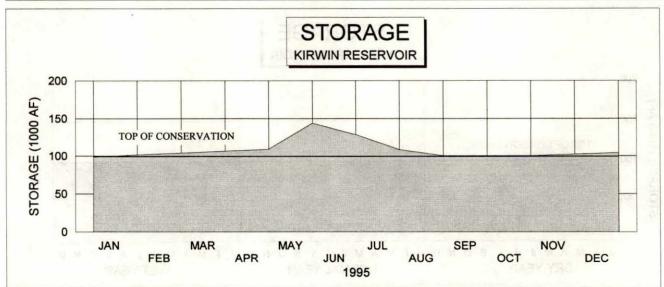


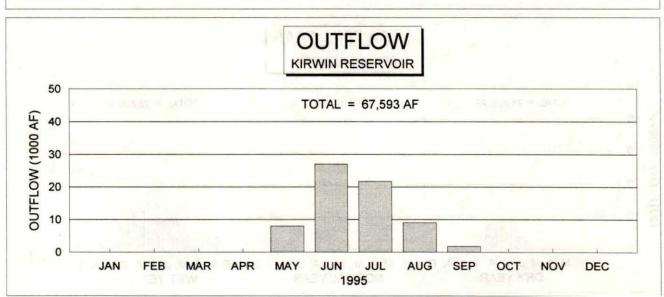




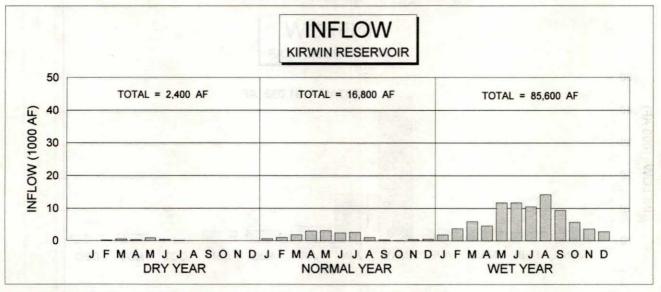
#### KIRWIN RESERVOIR

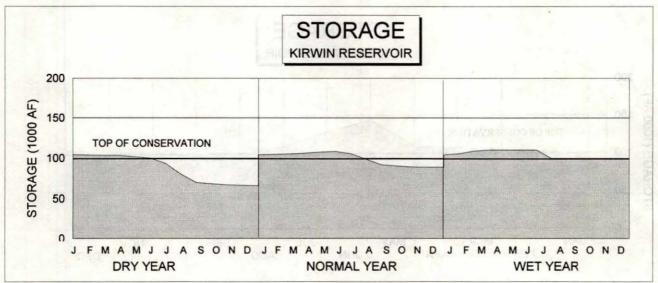


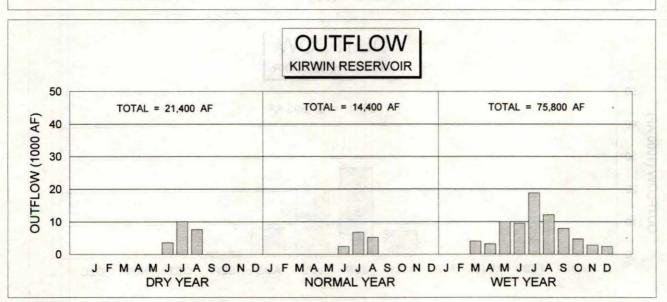




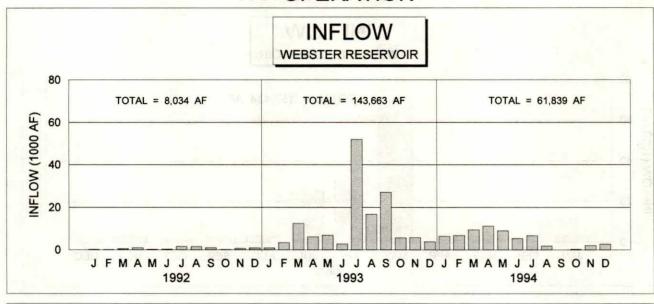
### **KIRWIN RESERVOIR**

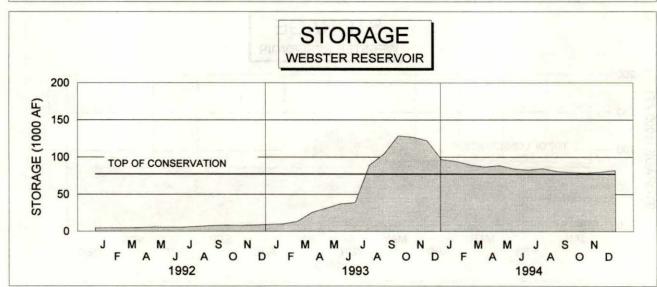


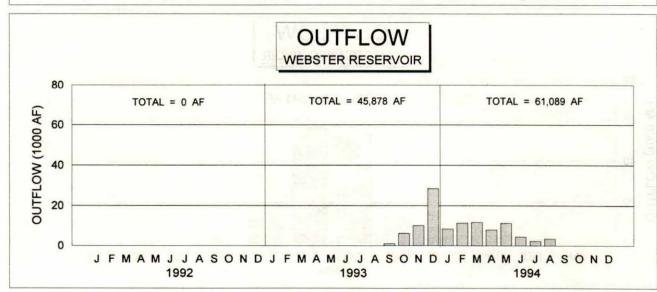




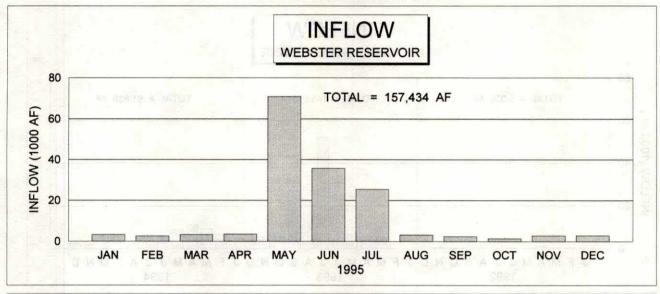
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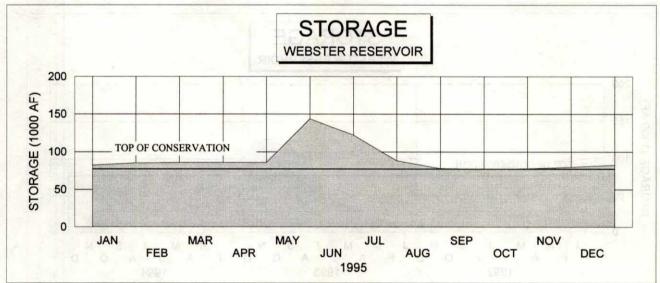


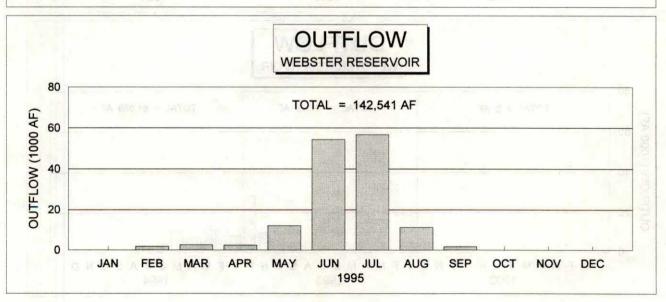




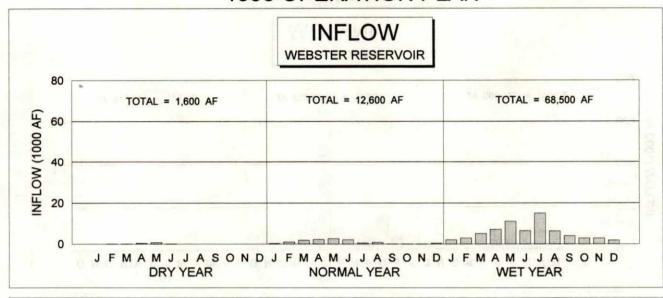
## **WEBSTER RESERVOIR**

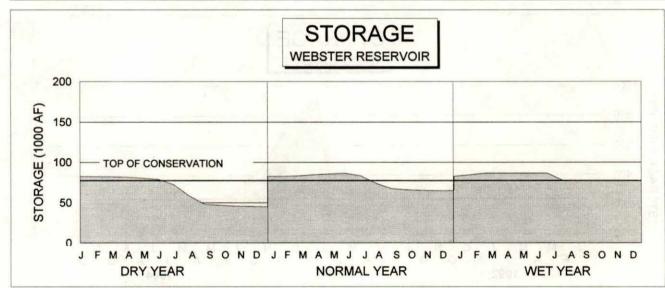


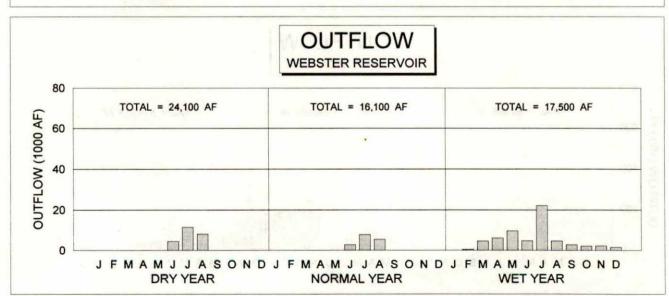




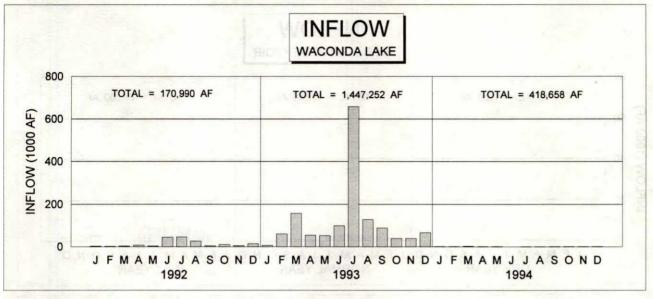
#### WEBSTER RESERVOIR

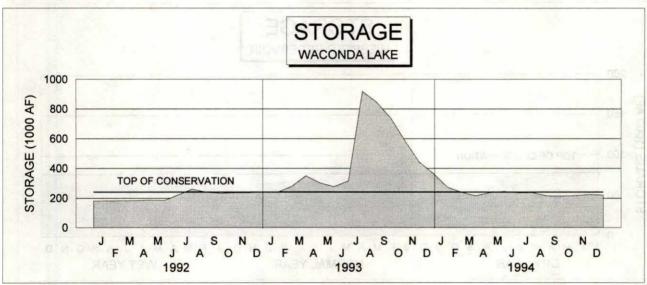


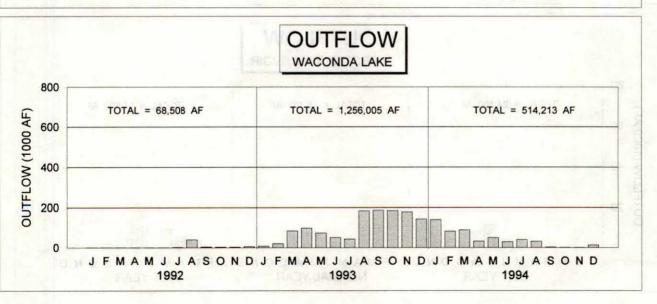




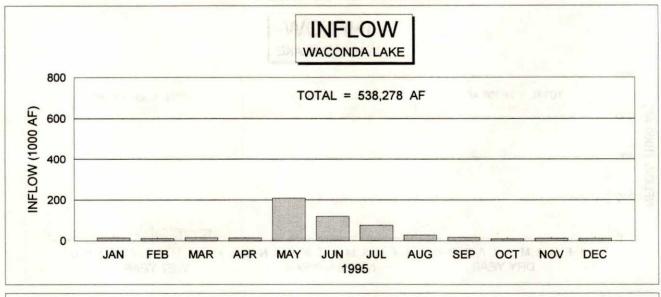
#### **WACONDA LAKE**

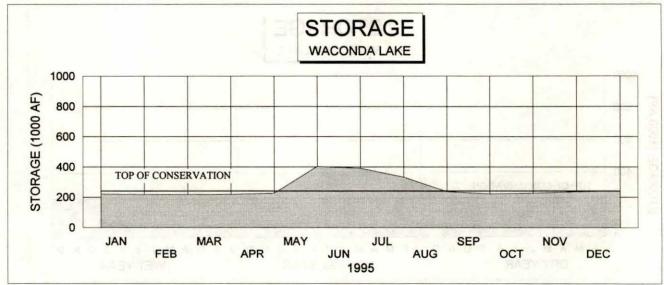


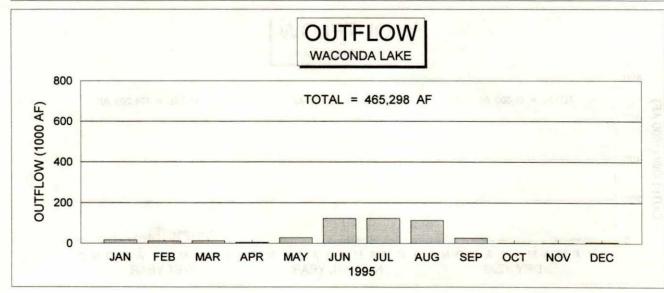




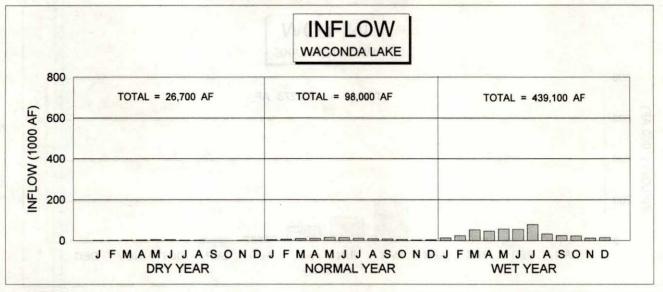
### **WACONDA LAKE**

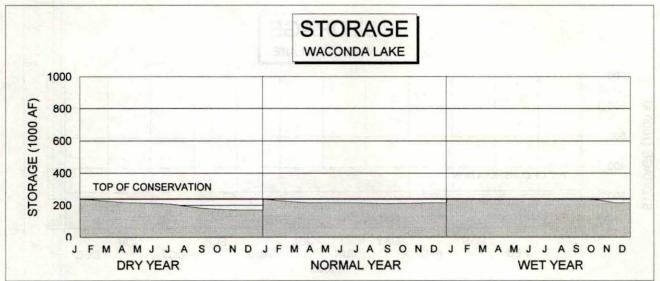


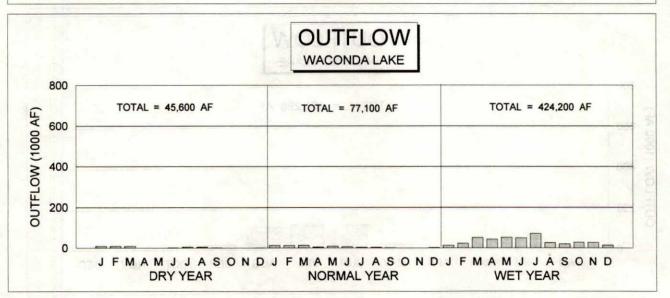




### **WACONDA LAKE**

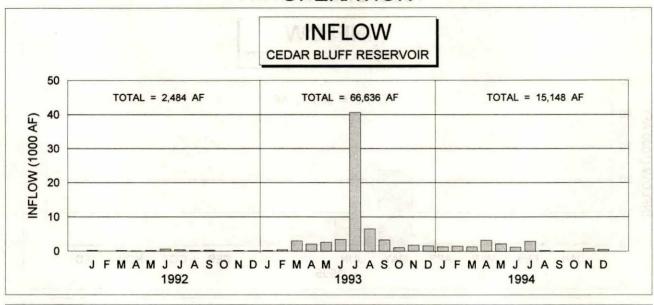


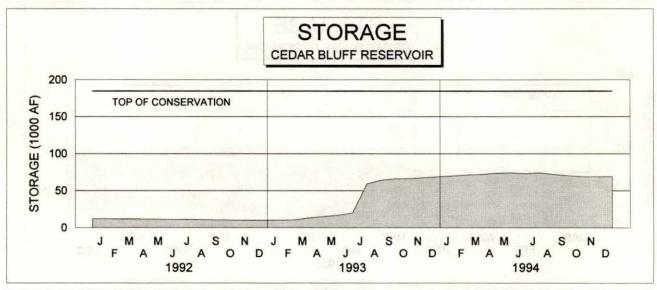


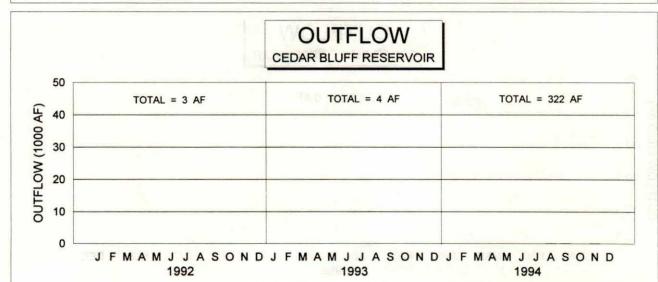


# **CEDAR BLUFF RESERVOIR**

**OPERATION** 

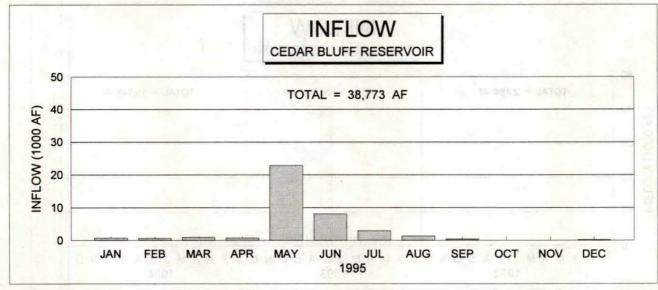


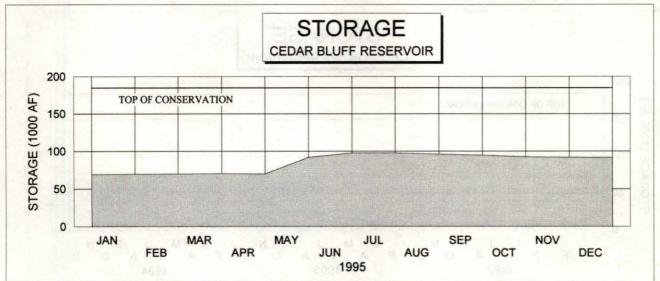


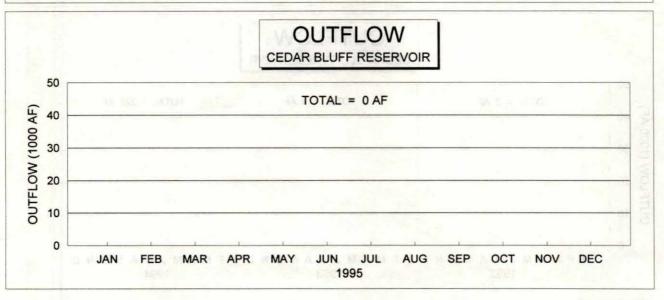


# **CEDAR BLUFF RESERVOIR**

1995 OPERATION

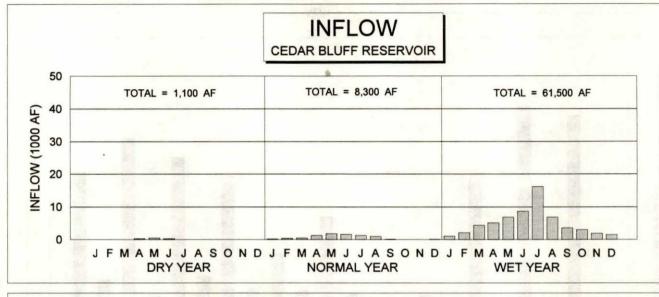


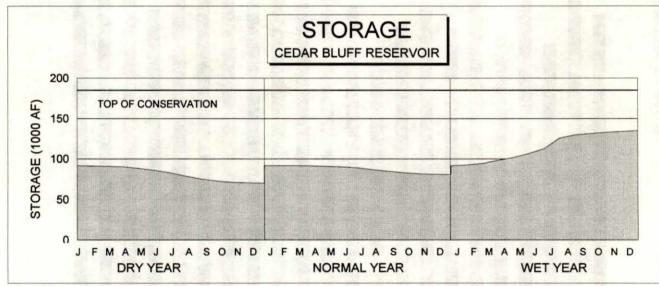


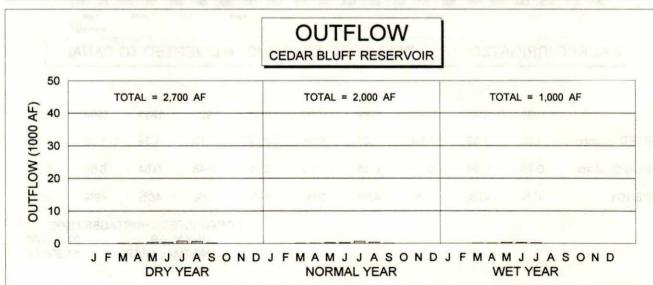


## CEDAR BLUFF RESERVOIR

1996 OPERATION PLAN

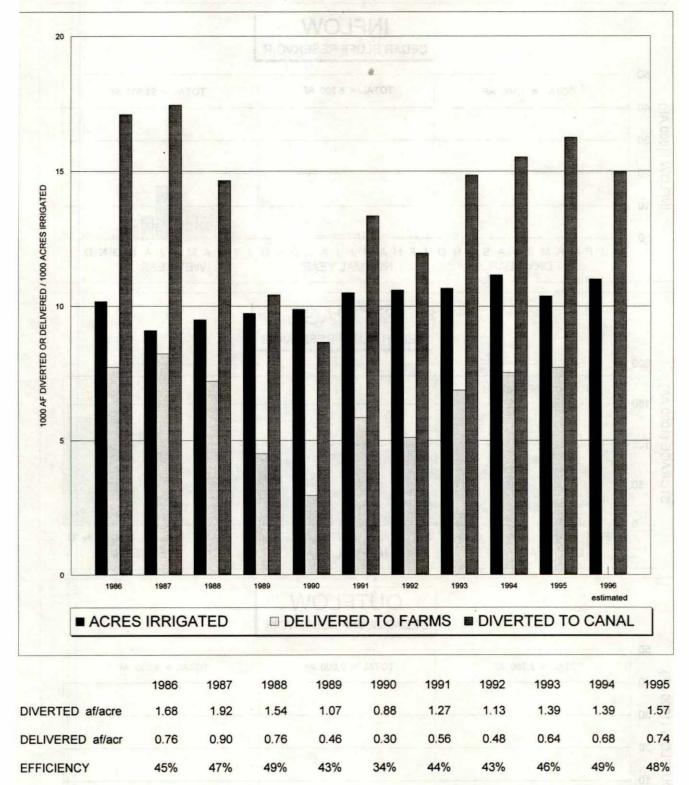






#### **MIRAGE FLATS IRRIGATION DISTRICT**

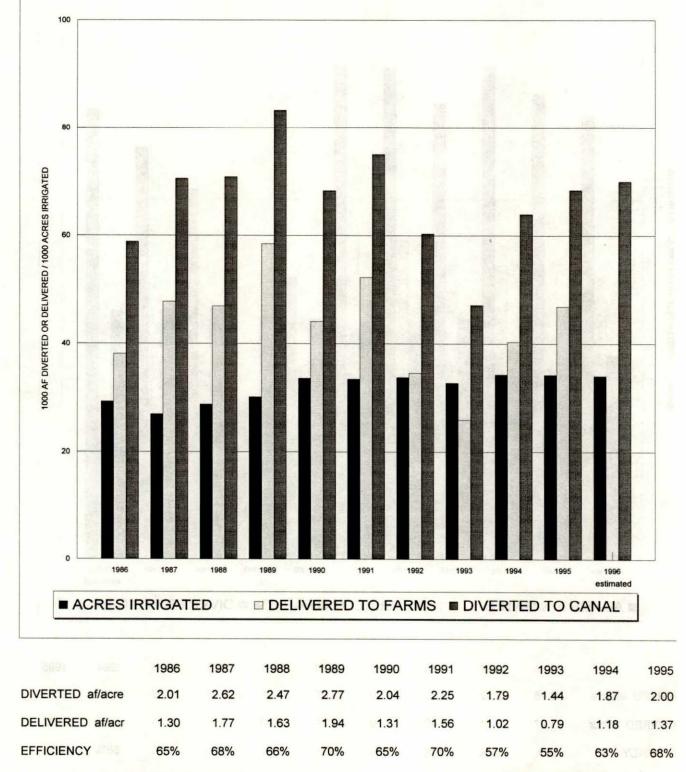
CANAL DIV., FARM DEL., AND ACRES IRRIG.



FORECASTED SHORTAGES (1996)
DRY YEAR 27,500 AF
NORMAL YEAR 11,300 AF

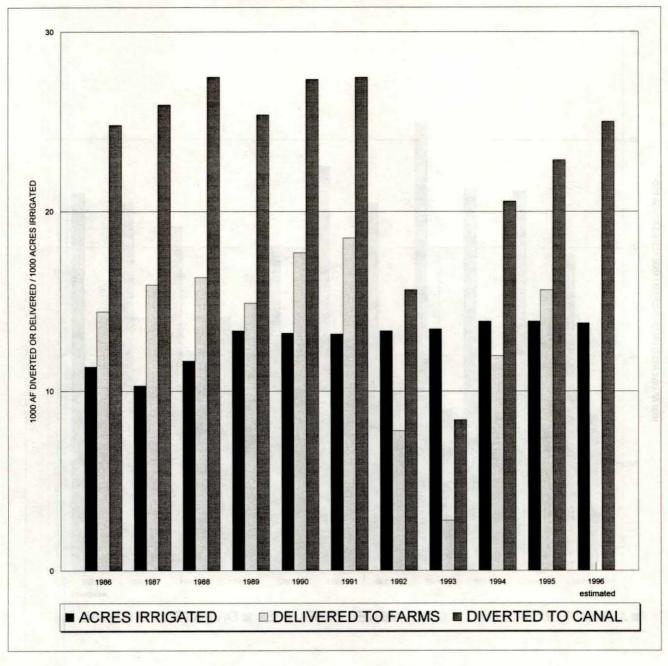
### **AINSWORTH IRRIGATION DISTRICT**

CANAL DIV., FARM DEL., AND ACRES IRRIG.



# SARGENT IRRIGATION DISTRICT

CANAL DIV., FARM DEL., AND ACRES IRRIG.

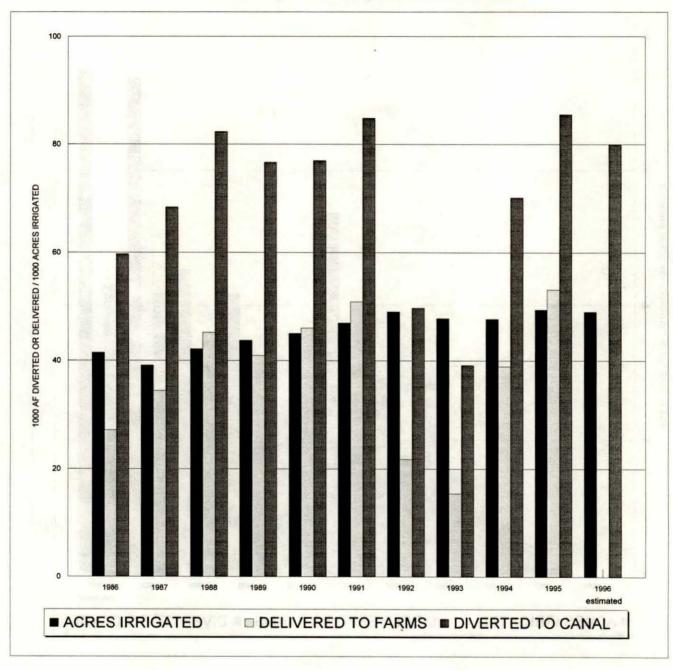


	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
DIVERTED af/acre	2.18	2.52	2.35	1.90	2.07	2.08	1.17	0.62	1.48	1.64
DELIVERED af/acr	1.27	1.54	1.40	1.12	1.34	1.40	0.58	0.21	0.86	1.13
EFFICIENCY	58%	61%	59%	59%	65%	67%	50%	33%	58%	68%

FORECASTED SHORTAGES (1996)
DRY YEAR 3,600 AF
NORMAL YEAR 0 AF

## FARWELL IRRIGATION DISTRICT

CANAL DIV., FARM DEL., AND ACRES IRRIG.



	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
DIVERTED af/acre	1.44	1.75	1.96	1.75	1.71	1.81	1.01	0.82	1.47	1.73
DELIVERED af/acr	0.65	0.88	1.07	0.93	1.02	1.08	0.44	0.32	0.82	1.08
EFFICIENCY	45%	50%	55%	53%	60%	60%	44%	39%	55%	62%

FORECASTED SHORTAGES (1996)
DRY YEAR 13,000 AF
NORMAL YEAR 0 AF

EFFICIENCY

**ERR** 

13%

43%

45%

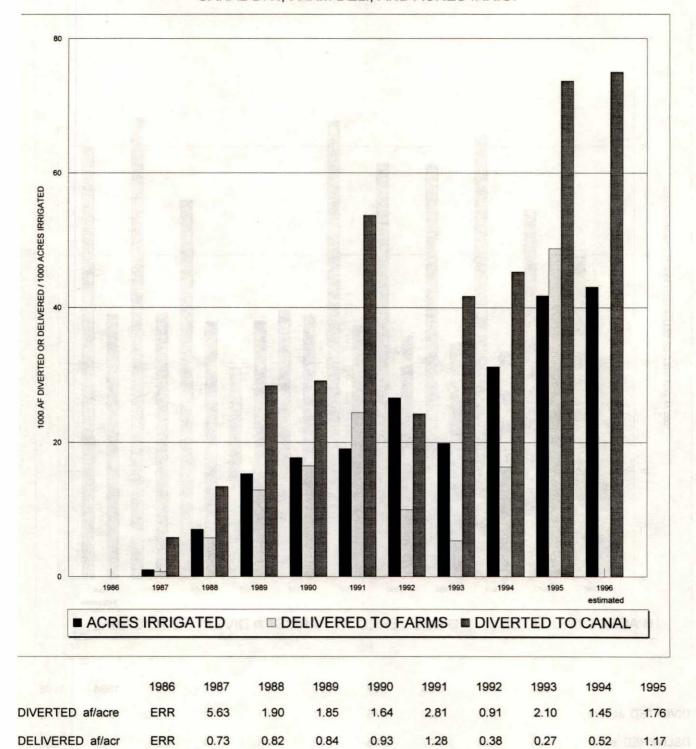
57%

46%

41%

### TWIN LOUPS IRRIGATION DISTRICT

CANAL DIV., FARM DEL., AND ACRES IRRIG.



FORECASTED SHORTAGES	(1996)
DRY YEAR	0 AF
NORMAL YEAR	0 AF

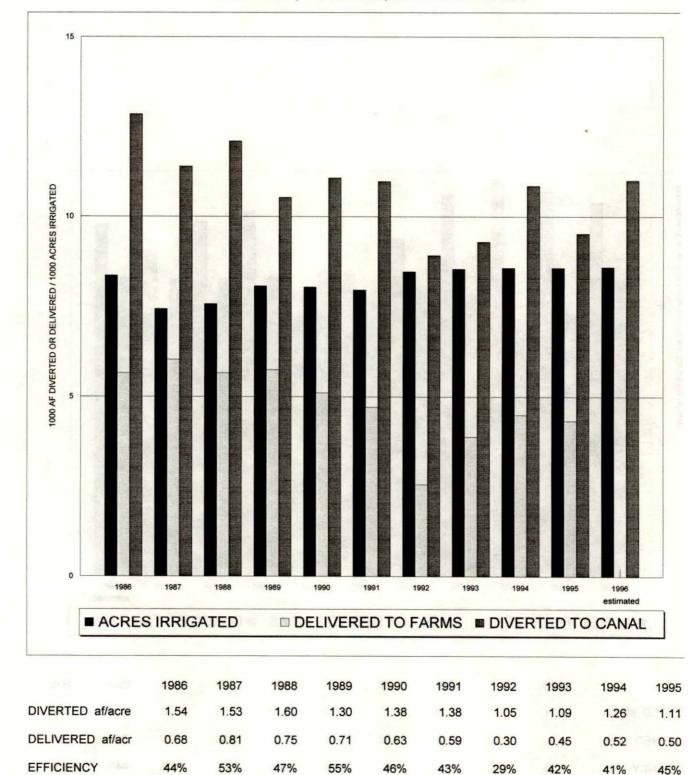
36%

13%

66%

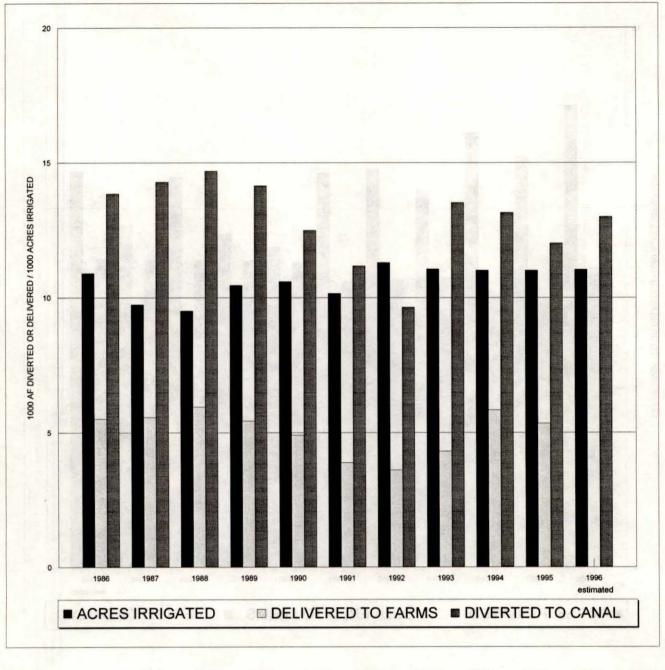
#### FRENCHMAN VALLEY IRRIGATION DISTRICT

CANAL DIV., FARM DEL., AND ACRES IRRIG.



## H AND RW IRRIGATION DISTRICT

CANAL DIV., FARM DEL., AND ACRES IRRIG.

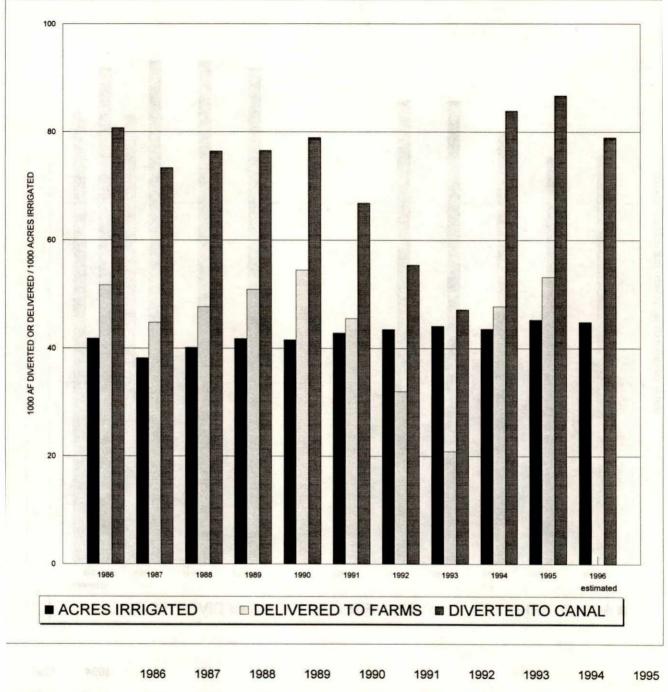


	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
DIVERTED af/acre	1.27	1.47	1.55	1.35	1.18	1.10	0.85	1.22	1.19	1.09
DELIVERED af/acr	0.50	0.57	0.63	0.52	0.46	0.38	0.32	0.39	0.53	0.48
EFFICIENCY	40%	39%	41%	38%	39%	35%	37%	32%	44%	44%

FORECASTED SHORTAGES (1996)
DRY YEAR 37,000 AF
NORMAL YEAR 11,300 AF

### FRENCHMAN-CAMBRIDGE IRRIGATION DISTRICT

CANAL DIV., FARM DEL., AND ACRES IRRIG.

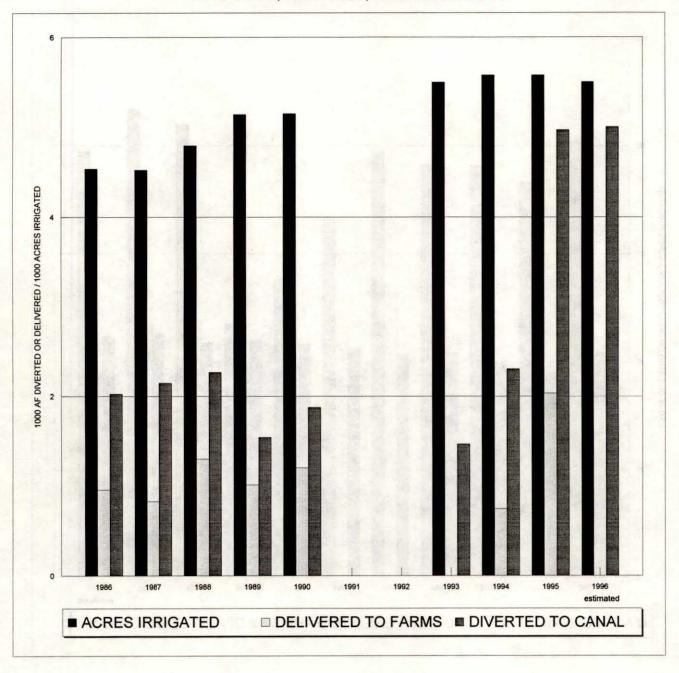


	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
DIVERTED af/acre	1.93	1.92	1.90	1.83	1.90	1.56	1.27	1.07	1.93	1.92
DELIVERED af/acr	1.24	1.17	1.19	1.22	1.31	1.06	0.73	0.47	1.09	1.17
EFFICIENCY	64%	61%	62%	66%	69%	68%	58%	44%	57%	61%

FORECASTED SHORTAGES (1996)
DRY YEAR 0 AF
NORMAL YEAR 0 AF

# ALMENA IRRIGATION DISTRICT

CANAL DIV., FARM DEL., AND ACRES IRRIG.

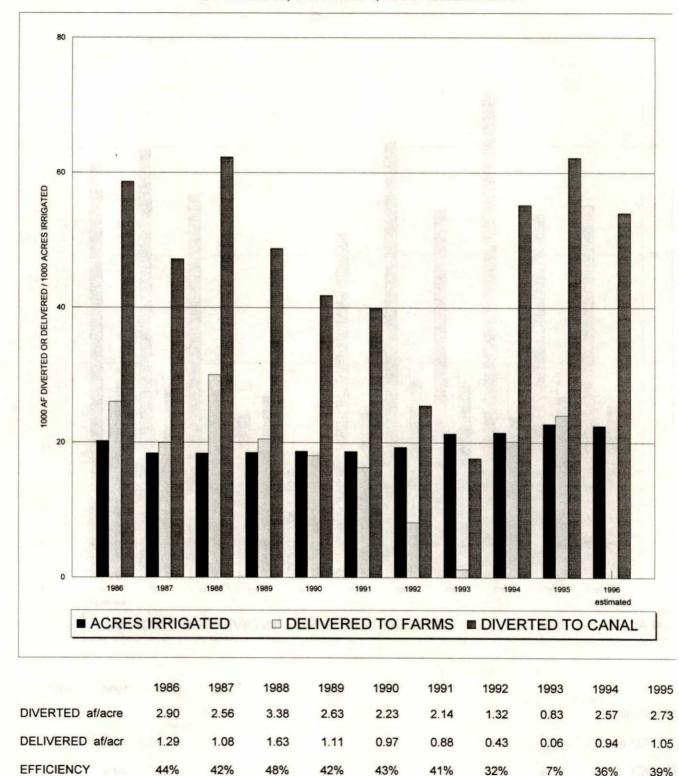


	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
DIVERTED af/acre	0.45	0.48	0.47	0.30	0.36	0.00	0.00	0.27	0.41	0.89
DELIVERED af/acr	0.21	0.18	0.27	0.20	0.23	0.00	0.00	0.00	0.13	0.37
EFFICIENCY	48%	39%	57%	66%	64%	0%	0%	0%	32%	41%

FORECASTED SHORTAGES (1996)
DRY YEAR 8,400 AF
NORMAL YEAR 0 AF

#### **BOSTWICK IRRIGATION DISTRICT - NEBRASKA**

CANAL DIV., FARM DEL., AND ACRES IRRIG.

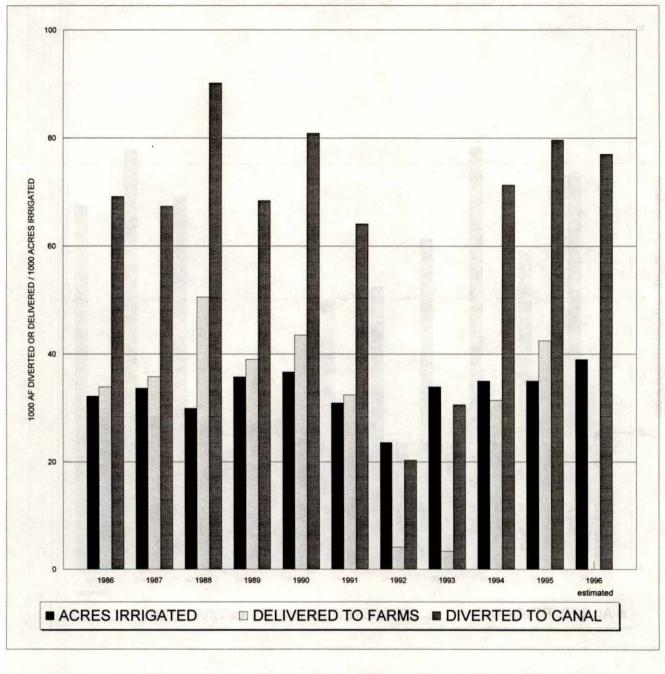


36%

39%

# KANSAS-BOSTWICK IRRIGATION DISTRICT

CANAL DIV., FARM DEL., AND ACRES IRRIG.

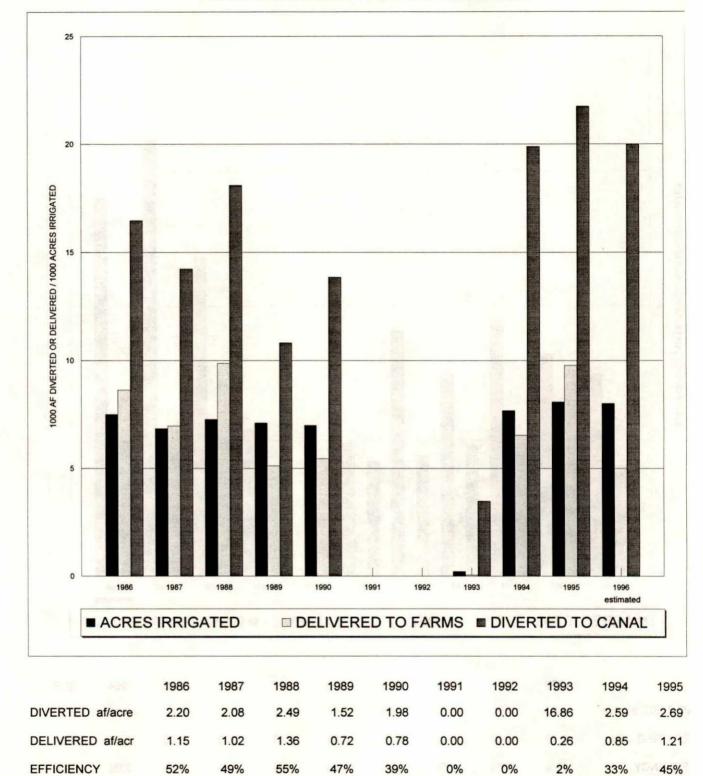


	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
DIVERTED af/acre	2.15	2.00	3.02	1.92	2.21	2.08	0.86	0.90	2.04	2.28
DELIVERED af/acr	1.05	1.06	1.69	1.09	1.19	1.05	0.17	0.10	0.90	1.22
EFFICIENCY	49%	53%	56%	57%	54%	50%	20%	11%	44%	53%

FORECASTED SHORTAGES (1996)
DRY YEAR 38,200 AF
NORMAL YEAR 0 AF

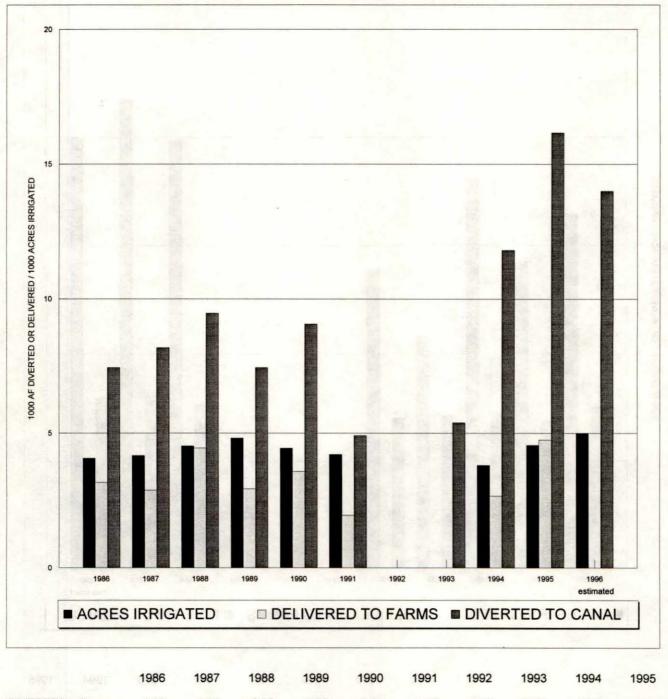
#### KIRWIN IRRIGATION DISTRICT

CANAL DIV., FARM DEL., AND ACRES IRRIG.



## **WEBSTER IRRIGATION DISTRICT**

CANAL DIV., FARM DEL., AND ACRES IRRIG.

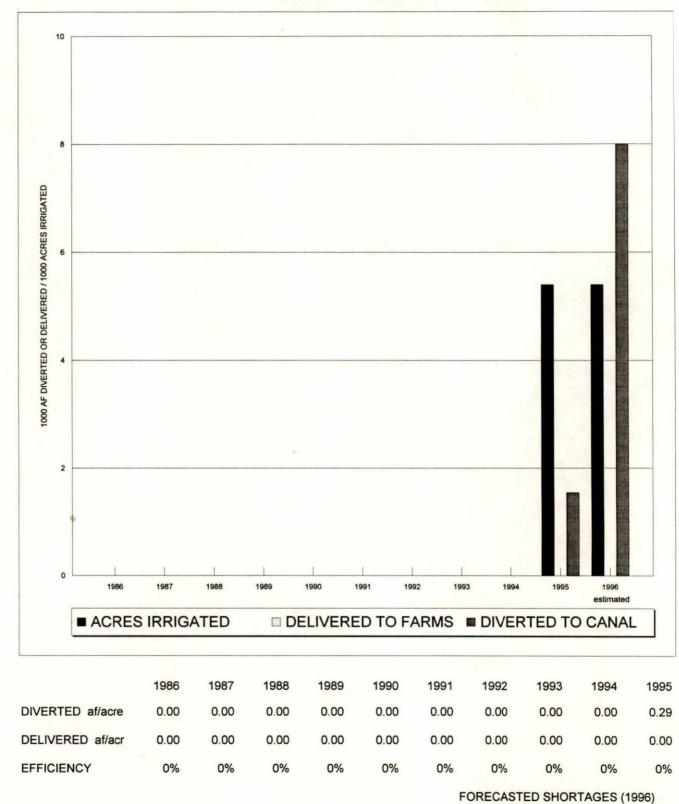


	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
DIVERTED af/acre	1.83	1.97	2.09	1.55	2.04	1.17	0.00	0.00	3.09	3.55
DELIVERED af/acr	0.78	0.69	0.98	0.61	0.81	0.46	0.00	0.00	0.70	1.04
EFFICIENCY	43%	35%	47%	39%	39%	40%	0%	0%	23%	29%

FORECASTED SHORTAGES (1996)
DRY YEAR 0 AF
NORMAL YEAR 0 AF

### **GLEN ELDER IRRIGATION DISTRICT**

CANAL DIV., FARM DEL., AND ACRES IRRIG.



DRY YEAR

NORMAL YEAR

0 AF

0 AF

