ANNUAL OPERATING PLAN
FRYINGPAN-ARKANSAS PROJECT
WATER YEAR 2005 OPERATIONS

I. GENERAL

This is the 36th annual operating plan for the Fryingpan-Arkansas Project. The project, completed in 1990, imports spring snowmelt runoff from Colorado's west slope to the semi-arid Arkansas River basin on Colorado's east slope. The project consists of federally owned dams, reservoirs, stream diversion structures, conduits, tunnels, pumping plants, a pumped-storage powerplant, electric transmission lines, substations, and recreation facilities. These features are located in the Fryingpan River and Hunter Creek watersheds of the upper Colorado River basin, and in the Arkansas River basin in central and southeastern Colorado. The project provides water for irrigation, municipal and industrial use, hydroelectric power generation, recreation, and wildlife habitat. The project also provides for flood control.

The project was authorized under Public Law 87-590 on August 16, 1962. This law provides that the project will be operated under the operating principles adopted by the State of Colorado on April 30, 1959, as amended on December 30, 1959, and on December 9, 1960. These operating principles were published as House Document 130 (87th Congress, 1st Session), and are included in Appendix E.

This annual operating plan is a summary of the actual project operation in water year 2005 (October 1, 2004 through September 30, 2005).

II. PROJECT FEATURES IN OPERATION DURING WATER YEAR 2005

Ruedi Dam and Reservoir are located on the Fryingpan River, a tributary of the Roaring Fork River, on Colorado's west slope about 13 miles east of Basalt, Colorado. Ruedi Reservoir has a total capacity of 102,373 acre-feet at a water surface elevation of 7766.0 feet. The reservoir is operated on an annual cycle. Steady winter releases draft the reservoir such that it is filled with the spring snowmelt runoff, while releases to the Fryingpan River are maintained below the safe channel capacity. The reservoir provides replacement water for out-of-priority depletions to the Colorado River by the project as well as water for west slope irrigation, municipal, and industrial uses on a contractual basis. The reservoir is also operated to provide for recreation, wildlife habitat, and flood control.

The west slope collection system, located upstream of Ruedi Reservoir in the upper Fryingpan River and Hunter Creek watersheds, is a series of 16 stream diversion structures and 8 tunnels. The system collects spring snowmelt runoff

for diversion, by gravity, to the inlet of the Charles H. Boustead Tunnel. The Boustead Tunnel conveys water collected by the west slope collection system under the continental divide and into Turquoise Lake on the east slope. The tunnel is 5 miles long and has a water conveyance capacity of 945 cubic feet per second (cfs).

Sugarloaf Dam and Turquoise Lake are located on Lake Fork Creek, a tributary of the Arkansas River, about 5 miles west of Leadville, Colorado. The lake has a total capacity of 129,398 acre-feet at a water surface elevation of 9869.4 feet. The lake is operated to provide regulation of both project and non-project water imported from the west slope. Turquoise Lake is operated on an annual cycle, as is Ruedi Reservoir. The lake is drafted through the Mt. Elbert Conduit during the winter to provide adequate space for the spring imports of west slope water. Most of the native inflow from Lake Fork Creek is impounded in the lake and returned to the Arkansas River via the Mt. Elbert Conduit, the Mt. Elbert Powerplant, and Twin Lakes. The lake is also operated to provide for recreation and wildlife habitat.

The Mt. Elbert Conduit conveys project, non-project, and native Lake Fork Creek water from Turquoise Lake to Twin Lakes. The conduit is 10.7 miles long and has a water conveyance capacity of 370 cfs. Native water from Halfmoon Creek is also added to the conduit and returned to the Arkansas River from Twin Lakes Dam. All conduit flow which reaches the Mt. Elbert Forebay is used to generate electricity at the Mt. Elbert Powerplant as it is delivered to Twin Lakes.

The Mt. Elbert Powerplant is a pumped-storage facility located on the shore of Twin Lakes. It has two 100-megawatt turbine generators, which can be reversed and used as 340,000-horsepower pumps. In addition to being used to generate energy with the Mt. Elbert Conduit flow, the plant is used to follow daily peak power loads. This load following is accomplished by pumping water to the Mt. Elbert Forebay, an 11,143-acre-foot regulating pool at the terminus of the Mt. Elbert Conduit, from Twin Lakes during off-peak load hours using surplus or low cost energy. That water is then returned to Twin Lakes through the turbines during peak load hours, along with the Mt. Elbert Conduit flow. The energy generated at the plant is transmitted and marketed by the Western Area Power Administration, with the revenues applied to the repayment of the project.

Twin Lakes Dam and Twin Lakes are located on Lake Creek, a tributary of the Arkansas River, about 13 miles south of Leadville, Colorado. Twin Lakes has a capacity of 140,855 acre-feet at a maximum water surface elevation of 9200 feet. The reservoir is operated to regulate both project and non-project water imported from the west slope. The project water stored in the reservoir is released to Lake Creek for storage in Pueblo Reservoir during the winter months, in anticipation of spring imports from the west slope. Native inflows into Turquoise Lake, native flows diverted from Halfmoon Creek, and native inflows into Twin Lakes, are all released to Lake Creek from the Twin Lakes Dam. The cities of Colorado Springs

and Aurora take direct delivery of water from the reservoir through the Otero Pipeline. The operation of Twin Lakes also provides for recreation and wildlife habitat.

Pueblo Dam and Reservoir are located on the Arkansas River 6 miles west of the city of Pueblo, Colorado. The reservoir is the terminal storage facility for the Fryingpan-Arkansas Project and has a total storage capacity of 349,940 acre-feet at a water surface elevation of 4898.7 feet. The upper 26,991 acre-feet of storage space are reserved for flood control at all times, and an additional 66,000 acre-feet of space are reserved from April 15 through November 1. Non-project water may be stored in the reservoir under temporary contract. Native inflow can be stored when the project storage right is in priority or under the winter water storage program (WWSP). Under the WWSP, irrigators are permitted to store native Arkansas River water in Pueblo Reservoir during the winter months for an additional supply of irrigation water, on the condition that the water is used before May 1 of the next water year. The majority of project water deliveries is made from the reservoir. The Fountain Valley Authority, the Pueblo West Metropolitan District, and the Pueblo Board of Water Works take direct delivery of municipal water through the south outlet works and joint-use manifold. A direct irrigation delivery is made to the Bessemer Ditch. Other project deliveries are made as releases to the Arkansas River for diversion downstream. Pueblo Reservoir is also operated to provide for recreation and wildlife habitat.

III. HYDROLOGIC CONDITIONS AND MAJOR WEATHER EVENTS –WATER YEAR 2005

Water year 2005 was a wet one for the Fryingpan River basin when compared to the previous several years. The water year began with above-average precipitation measurements and continued that way until the end of the summer. However, the snowpack-water content was never higher than 87 percent of average.

The wet conditions were directly reflected in the continuous high inflow observed during the spring and summer months. Inflow totals for October through July were 118.5 percent of average. The runoff season was an extended one, with higher than normal inflows observed until September. By the end of the water year, the total inflow had reached 100,900 acre-feet, 21,800 acre-feet higher than the previous year and 77 percent of average. The April through July season produced a total of 73,700 acre-feet of inflow, 17,700 acre-feet higher than water year 2004.

IV. REPORT ON OPERATIONS DURING WATER YEAR 2005

A. Ruedi Reservoir

Ruedi Reservoir began the water year with a storage content of 83,851 acre-feet, which is 89 percent of average. Given the runoff predictions for the following year,

releases were set at approximately 72 cfs in early November. That flow was increased to 78 cfs by December and continued at that rate throughout the winter months. By the end of March, the reservoir content had dropped to 64,686 acre-feet. By April 7, Ruedi Reservoir had reached its lowest water surface level for the water year, with an elevation of 7722.05 feet and a storage content of 64,353 acre-feet. That elevation represented 105 percent of average for the period of record 1970 to 1999.

Precipitation over the Fryingpan River basin was high during the winter and early spring. However, by April 1, the snow-water content in the Fryingpan River basin was estimated at 12.0 inches, which represents 82 percent of average, slightly lower than the previous year.

Reservoir releases continued at a rate of approximately 80 cfs until the end of April. The reservoir began a steady rise early that month as the inflow began to rise. Precipitation continued to be above average into the early spring. By early May, releases were increased to 110 cfs, the minimum release required. The reservoir level continued to rise steadily. The highest computed inflow for the water year was 907 cfs, recorded on May 24. Releases were increased in the middle of June to slow down the reservoir rate of rise. Precipitation continued to be above average into June and July. By late June, it was obvious that the reservoir level was going to reach the spillway crest. Releases were increased systematically during the week of June 20, slowing down the reservoir rate of rise. Ruedi Reservoir reached the crest of the spillway (elevation 7766.00 feet, content 102,373 acre-feet) during the early morning hours of Sunday, June 26. The water surface level at the reservoir remained near the spillway crest elevation for almost two months. Releases higher than the required minimum flows prevented the water from flowing over the spillway. By the middle of August, inflow into the reservoir began to drop considerably, and the releases were adjusted accordingly to conserve water. The reservoir level dropped 20 feet between the middle of August and the end of September.

The reservoir storage observed during the summer was deemed adequate to make the 4-out-of-5-year, 5,000 acre-foot pool available to the endangered fish in 2005. Therefore, the amount of water available from Ruedi to support the target flows at the 15-Mile Reach in Grand Junction was 20,825 acre-feet, which includes 5,000 acre-feet from the firm fish pool, 10,825 acre-feet of mitigation water, and 5,000 acre-feet from the 4-out-of-5-year fish pool. Flows down the Colorado River were sufficient during most of the summer to keep the 15-Mile Reach well above the required level at the Palisade stream gage. Flow augmentation releases for the endangered fish began August 15 and continued through October 5. By the end of October, the total volume of fish water released from Ruedi was 17,132 acre-feet. The 5,000 acre-feet of water in the firm fish pool were exhausted by August 31, and the 10,825 acre-feet of mitigation were exhausted by September 28. Only 1,307 acre-feet of the 5,000 acre-feet of water in the 4-out-of-5-year fish pool were released during the water year. That follows the order of release from

the various sources of Ruedi water available to support the endangered fish. With no river calls for Ruedi in water year 2005, there were no contract water releases.

Given the above-average precipitation within the basin and with no contract releases or river calls, Ruedi Reservoir finished the water year with 83,851 acre-feet in storage, which is 89 percent of average. Total cumulative precipitation for the year was 20.83 inches, or 125 percent of average. Discretionary releases totaled 20,980 acre-feet, with most of those releases taking place between late June and August, while the reservoir level was hovering near the spillway crest level.

Ruedi Reservoir is one of the participating reservoirs in the Coordinated Reservoir Operations (CRO) effort of the upper Colorado River endangered fish Recovery Program (RIP). The effort is directed at augmenting peak flow in the 15-Mile Reach of the Colorado River to benefit habitat improvement and spawning for two of the endangered Colorado River fishes. The 15-Mile Reach is the 15-mile stretch of the Colorado River above the confluence with the Gunnison River in Grand Valley. Due to the extremely low carryover storage in the upper Colorado River basin reservoirs, water supply forecasts indicated that most of the CRO participating reservoirs were not likely to fill. For that reason, the CRO effort was cancelled for water year 2005.

Exhibits 1 and 2 show the precipitation and pan evaporation at Meredith, Colorado, near Ruedi Reservoir. Table 1 and Exhibit 3 depict the monthly operation of the reservoir during water year 2005.

B. West Slope Collection System and Project Diversions

The import of project water through the Boustead Tunnel began on April 17, 2005, and concluded on July 30, 2005. The daily discharge record for the diversion structures is included as Appendix D. A total of 54,564 acre-feet was imported during the 2005 water year, which is 112 percent of average. There was no Busk-Ivanhoe water imported through the Boustead Tunnel. The maximum mean daily import was 834 cfs on May 23, 2005. The most probable forecasts for the first of February, March, April, and May were 65,500 acre-feet, 46,400 acre-feet, 50,500 acre-feet, and 48,400 acre-feet, respectively.

The total imports for the water year; the accumulated imports to the Arkansas River; the water used for the Twin Lakes Reservoir and Canal Company exchange; and the import water available for allocations by the Southeastern Colorado Water Conservancy District, are shown on Table 4. The 34 years of accumulated imports total 1,637,600 acre-feet, for an average of 48,165 acre-feet per year. A plot of the Boustead Tunnel imports during water year 2005 is shown on Exhibit 5.

C. Twin Lakes Reservoir and Canal Company/Fryingpan-Arkansas Project Exchange

The Bureau of Reclamation is obligated to maintain minimum streamflows in the Roaring Fork River by the authorizing legislation of the project. This is accomplished through an exchange of water with the Twin Lakes Reservoir and Canal Company. On October 1, 2004, the company began bypassing water into the Roaring Fork River on the west slope in exchange for project water stored in Twin Lakes on the east slope. The total amount of the exchange at Twin Lakes Reservoir was 3,000 acre-feet. The operating criteria and the monthly summary of the exchange are shown in Appendix C.

D. Turquoise Lake

On September 30, 2004, there were 79,710 acre-feet (elevation 9839.74 feet) of water stored in Turquoise Lake, which is 90 percent of average. Releases to Twin Lakes through the Mt. Elbert Conduit drafted Turquoise Lake to 64,738 acre-feet (elevation 9829.65 feet), the lowest storage of the water year, by May 19, 2005. There were 117,272 acre-feet (elevation 9862.52 feet) of water in storage at the end of the water year, which is 122 percent of average.

Homestake Tunnel imports totaled 23,407 acre-feet during the water year, 95 percent of average. Busk-Ivanhoe imports totaled 4,886 acre-feet, 94 percent of average, and were divided between the Pueblo Board of Water Works and the city of Aurora. Project water imports through the Boustead Tunnel totaled 54,564 acre-feet, which is 112 percent of average.

Exhibits 8 and 9 show the precipitation and pan evaporation at Turquoise Lake. Exhibits 5, 6, and 7 show the monthly imports through the Boustead, Homestake, and Busk-Ivanhoe Tunnels, respectively. Table 5 and Exhibit 10 depict the monthly operation of Turquoise Lake during the 2005 water year.

E. Mt. Elbert Conduit/Halfmoon Creek Diversion

During water year 2005, 70,451 acre-feet of water released from Turquoise Lake and 12,000 acre-feet of water diverted from Halfmoon Creek were conveyed through the Mt. Elbert Conduit to the Mt. Elbert Forebay, and subsequently to Twin Lakes through the Mt. Elbert Powerplant. An additional 3,591 acre-feet of water were released into the conduit from Turquoise Lake for use by the Leadville Federal Fish Hatchery. The water delivered to the hatchery was returned to the Arkansas River and stored in Pueblo Reservoir.

F. Twin Lakes/Mt. Elbert Forebay and Mt. Elbert Pumped-Storage, Powerplant

The storage in Twin Lakes was 105,645 acre-feet (elevation 9185.66 feet) on September 30, 2004. The combined storage of Twin Lakes and the Mt. Elbert Forebay was 114,433 acre-feet. Twin Lakes Reservoir releases to Lake Creek were made throughout the winter to pass the entire flow of the Mt. Elbert Conduit, and to transfer the project water stored in the reservoir to Pueblo Reservoir. The native inflow was stored in the Twin Lakes Reservoir and Canal Company storage space from November 15 through March 15. A total of 3,800 acre-feet of project water was released to Lake Creek during this time. This water was released such that the flow in the Arkansas River at the Wellsville gage was maintained as close to the average October 15 to November 15 trout-spawning flow as possible. The combined reservoir and forebay storage reached a low point of 92,061 acre-feet on March 26, 2005, and was at its high point of 139,224 acre-feet on June 30, 2005. A total of 6,766 acre-feet of project water was released beginning on July 19 and ending on August 9, to augment rafting flows in the Arkansas River.

At least one generating/pumping unit was available at the Mt. Elbert Powerplant throughout the 2005 water year. The capacity of one unit is greater than the capacity of the Mt. Elbert Conduit. A total of 285,800 megawatt-hours of energy was generated at the powerplant, with 844,186 acre-feet of water; 70,451 acre-feet came through the Mt. Elbert Conduit; and 844,186 acre-feet were first pumped to the Mt. Elbert Forebay from Twin Lakes during off-peak electric demand hours. Table 7 depicts the monthly powerplant operation for the 2005 water year.

G. Pueblo Reservoir

The storage content of Pueblo Reservoir was 102,334 acre-feet (elevation 4836.28 feet) on September 30, 2004, which is 76 percent of average. Project water released from Turquoise Lake, through the Leadville Federal Fish Hatchery, and from Twin Lakes, was stored in Pueblo Reservoir through the winter and spring. A total of 40,557 acre-feet of native inflow was stored in the reservoir under the winter water storage program from November 15, 2004, through March 14, 2005. During the water year, a total of 44,673 acre-feet of winter water and 5,822 acre-feet of winter water carryover was released, and 2,461 acre-feet evaporated. The reservoir reached a high point in storage of 145,139 acre-feet (elevation 4831.20 feet) on March 9, 2005. There were 91,008 acre-feet (elevation 4831.82 feet) in storage on September 30, 2005. This is 67 percent of average, and 165,941 acre-feet less than a full conservation pool.

Table 8 and Exhibit 20 depict Pueblo Reservoir monthly operations during the 2005 water year. The 2004-05 winter water storage is shown on Exhibit 17, and the winter water releases are shown on Exhibit 18. The pan evaporation at the reservoir is shown on Exhibit 19.

H. Storage Contracts

There were eight contracts for storage of non-project water in project storage space on the east slope in effect in water year 2005. Six of those were long-term contracts: the Twin Lakes Reservoir and Canal Company for 54,452 acre-feet; the City of Colorado Springs for 17,416 acre-feet; the City of Aurora for 5,000 acre-feet; the Pueblo Board of Water Works for 5,000 acre-feet; Busk-Ivanhoe, Inc., for 10,000 acre-feet; and the Homestake Project for 30,000 acre-feet. There was one long-term, non-firm contract for Pueblo Board of Water Works. The remaining contracts were interim one-year contracts for "if-and-when" storage space. Under "if-and-when" contracts, non-project water may be stored in project storage space as long as that storage space is not required for project water.

I. Project Water Sales and Deliveries

The project made available 40,800 acre-feet of water to the Southeastern Colorado Water Conservancy District during water year 2005. The district purchased 44,482 acre-feet and called for 20,985 acre-feet of project and project carryover water during the year. Evaporation reduced the project water in storage by 5,647 acre-feet. By the end of the water year (September 30, 2005), the district had 27,898 acre-feet of 2005 allocated water and 49,170 acre-feet of carryover water remaining in storage. Of the 20,985 acre-feet of project water released, 4,173 acre-feet were for municipal and industrial use, and 16,812 acre-feet were for irrigation. The monthly release of project water from Pueblo Reservoir is shown on Exhibit 21.

J. Reservoir Storage Allocation Data

Table 9 presents the reservoir storage allocations for the five project reservoirs.

K. Reservoir Evaporation and Precipitation

Tables 11 and 12 present the monthly average evaporation and precipitation at the four weather stations near project facilities. When an evaporation pan is not in service and a reservoir is not completely ice-covered, the daily water surface evaporation is computed using seasonal evaporation factors. Those factors are listed in Table 10. It is assumed that there is no evaporation from a reservoir water surface when the reservoir is completely covered by ice.

L. Flood Control Benefits

The Corps of Engineers determined that neither Pueblo Reservoir nor Ruedi Reservoir prevented any flood damage in water year 2005. Table 13 shows the historic flood control benefits provided by Pueblo and Ruedi Dams.

Table 1

Ruedi Reservoir
Water Year 2005 Operations
Unit: 1,000 Acre-Feet

Year	Month	Inflow	Evaporation	Outflow	End of Month Content	Water Surface Elevation (FEET)
2004	Sep				80.1	7741.90
	Oct	3.3	0.1	8.1	75.3	7736.08
	Nov	2.4	0	4.0	73.7	7734.17
	Dec	2.1	0	4.3	71.5	7731.35
2005	Jan	2.1	0	4.3	69.3	7728.54
	Feb	1.9	0	4.0	67.1	7725.74
	Mar	2.2	0	4.7	64.7	7722.50
	Apr	7.6	0	4.5	67.8	7726.60
	May	25.2	0	5.8	87.1	7749.89
	Jun	27.0	0.3	11.4	102.4	7765.99
	Jul	13.9	0.5	14.1	101.7	7765.34
	Aug	8.2	0.3	13.7	96.0	7759.43
	Sep	5.0	0.2	16.9	83.9	7746.21
Total		100.9	1.4	95.8		

FRYINGPAN-ARKANSAS PROJECT

RUEDI RESERVOIR

RELEASES FOR ENDANGERED FISH

WATER YEAR 2005

April-05

DAY	DATE	ELEV. (FT)	STORAGE (AC-FT)	INFLOW (CFS)	EVAP. (CFS)	TOTAL RESERVOIR RELEASE (CFS)	ROCKY FORK CREEK (CFS)	FRYINGPAN RIVER GAGE BELOW DAM (CFS)	RUED! CALLED OUT? (1= YES) (0= NO)	REQUIRED MIN FLOW BELOW RUEDI w/o FISH REL (CFS)	REQUIRED FISH RELEASE (CFS)	CUMULATIVE FISH RELEASE (AC-FT)	PALISADE GAGE .(CFS)
FRI	4/1/2005	7,722.37	64,589.93	25.29	0.00	73.73	2.08	75.81	N	27.37	0.00	0.00	0.00
SAT	4/2/2005	7,722.28	64,523.16	41.16	0.00	74.82	2.13	76.95	N	39.00	0.00	0.00	0.00
SUN	4/3/2005	7,722.21	64,471.57	49.95	0.00	75.96	2.45	78.41	N	39.00	0.00	0.00	0.00
MON	4/4/2005	7,722.15	64,427.22	52.53	0.00	74.89	2.70	77.59	N	39.00	0.00	0.00	0.00
TUE	4/5/2005	7,722.11	64,397.66	59.52	0.00	74.42	2.71	77.13	N	39.00	0.00	0.00	0.00
WED	4/6/2005	7,722.06	64,360,91	55.42	0.00	73.95	2.56	76.51	N	39.00	0.00	0.00	0.00
THU	4/7/2005	7,722.05	64,353.34	71.32	0.00	75.14	3.00	78.14	N	39.00	0.00	0.00	0.00
FRI	4/8/2005	7,722.08	64,375.68	87.37	0.00	76.11	3.37	79.48	N	39.00	0.00	0.00	0.00
SAT	4/9/2005	7,722.08	64,375.68	76.01	0.00	76.01	3.25	79.25	N	39.00	0.00	0.00	0.00
SUN	4/10/2005	7,722.09	64,382.89	78.58	0.00	74.95	3.13	78.08	N	39.00	0.00	0.00	0.00
MON	4/11/2005	7,722.06	64,360.91	63.21	0.00	74.29	3.00	77.29	N	39.00	0.00	0.00	0.00
TUE	4/12/2005	7,722.03	. 64,338.57	63.18	0.00	74.44	3.14	77.58	N	39.00	0.00	0.00	0.00
WED	4/13/2005	7,722.04	64,346.14	78.18	0.00	74.37	3.54	77.91	N	39.00	0.00	0.00	0.00
THU	4/14/2005	7,722.08	64,375.68	90.86	0.00	75.97	4.07	80.04	N	39.00	0.00	0.00	0.00
FRI	4/15/2005	7,722.21	64,471.57	124.76	0.00	76.42	4.56	80.98	N	39.00	0.00	0.00	0.00
SAT	4/16/2005	7,722.36	64,582.35	132.30	0.00	76.45	4.82	81.27	N	39.00	0.00	0.00	0.00
SUN	4/17/2005	7,722.61	64,767.33	170.27	0.00	77.01	5.22	82.23	N	39.00	0.00	0.00	0.00
MON	4/18/2005	7,722,93	65,004.77	197.12	0.00	77.41	5.78	83.19	N	39.00	0.00	0.00	0.00
TUE	4/19/2005	7,723.32	65,294.28	223.66	0.00	77.70	6.05	83.75	N	39.00	0.00	0.00	0.00
WED	4/20/2005	7,723.74	65,607.47	234.88	0.00	76.98	6.34	83.32	N	39.00	0.00	0.00	0.00
THU	4/21/2005	7,724.07	65,853.59	199.34	0.00	75.26	6.75	82.00	N	39.00	0.00	0.00	0.00
FRI	4/22/2005	7,724.32	66,040.62	170.09	0.00	75.80	7.24	83.04	N	39.00	0.00	0.00	0.00
SAT	4/23/2005	7,724.56	66,220.63	167.55	0.00	76.79	7.74	84.53	N	39.00	0.00	0.00	0.00
SUN	4/24/2005	7,725.00	66,551.00	243.80	0.00	77.24	8.12	85.36	N	39,00	0.00	0.00	0.00
MON	4/25/2005	7,725.38	66,837.12	220.58	0.00	76.33	8.61	84.94	N	39.00	0.00	0.00	0.00
TUE	4/26/2005	7,725.67	67,056,17	186.34	0.00	75.90	8.78	84.68	N	39.00	0.00	0.00	0.00
WED	4/27/2005	7,725.91	67,238.01	168.33	0.00	76.66	8.86	85.52	N	39.00	0.00	0.00	0.00
THU	4/28/2005	7,726.18	67,442.81	179.68	0.00	76.42	9.Q9	85.51	N	39.00	0.00	0.00	0.00
FRI	4/29/2005	7,726.40	67,609.80	160.02	0.00	75.83	8.95	84.78	N'	39.00	0.00	0.00	0.00
SAT	4/30/2005	7,726.60	67,762.21	152.02	0.00	75.18	8.70	83.88		39.00	0.00	0.00	0.00
Averages		7,723.36	65,333.97	127.44	0.00	75.75	5.22	80.97			0.00		0
Totals (acft)				7,584	0	4,507	311	4,818			0	0	0

NOTES:

FRYINGPAN-ARKANSAS PROJECT
RUEDI RESERVOIR
RELEASES FOR ENDANGERED FISH
WATER YEAR 2005
May-05

DAY	DATE	ELEV. (FT)	STORAGE (AC-FT)	INFLOW (CFS)	EVAP. (CFS)	TOTAL RESERVOIR RELEASE (CFS)	ROCKY FORK CREEK (CFS)	FRYINGPAN RIVER GAGE BELOW DAM (CFS)	RUEDI CALLED OUT? (1= YES) (0= NO)	REQUIRED MIN FLOW BELOW RUEDI w/o FISH REL (CFS)	ENDANGERED FISH RELEASE (CFS)	CUMULATIVE FISH RELEASE (AC-FT)	PALISADE GAGE (CFS)
SUN	5/1/2005	7,726.78	67,89a22	144.44	0.00	75.36	8.26	83.62	N	110.00	0.00	0.00	0.00
MON	5/2/2005	7,726.88	67,975.63	130.08	0.00	91.55	7.92	99.47	N	110.00	0.00	0.00	0.00
TUE	5/3/2005	7,726.94	68,021.50	132.79	0.00	109.66	7.50	117.16	N	110.00	0.00	0.00	0.00
WED	5/4/2005	7,727.04	68,098.01	139.46	0.00	100.89	7.30	108.19	N	110.00	0.00	0.00	0.00
THU	5/5/2005	7,727.19	68212.70	158.84	0.00	101.01	6.96	107.97	N	110.00	0.00	0.00	0.00
FRI	5/6/2005	7,727.39	68,366.09	179.58	0.00	102.25	6.80	109.05	N	110.00	0.00	0.00	0.00
SAT	5/7/2005	7,727.71	68,611.66	224.66	0.00	100.86	7.13	107.99	N	110.00	0.00	0.00	0.00
SUN	5/8/2005	7,727.98	68,819.48	204.85	0.00	100.07	7.47	107.54	N	110.00	0.00	0.00	0.00
MON	5/9/2005	7,728.22	69,004.75	194.90	0.00	101.50	8.02	109.52	N	110.00	0.00	0.00	0.00
TUE	5/10/2005	7,728.59	69,290.52	246.60	0.00	102.53	8.78	111.31	N	110.00	0.00	0.00	0.00
WED	5/11/2005	7,729.04	69,639.71	277.43	0.00	101.38	9.12	110.50	N	110.00	0.00	0.00	0.00
THU	5/12/2005	7,729.40	69,919.74	240.84	0.00	99.66	9.84	109.51	N	110.00	0.00	0.00	0.00
FRI	5/13/2005	7,729.75	70,192.95	238.53	0.00	100.78	10.85	111.64	N	110.00	0.00	0.00	0.00
SAT	5/14/2005	7,730.01	70,396.15	203.73	0.00	101.29	11.15	112.44	N	110.00	0.00	0.00	0.00
SUN	5/15/2005	7,730.44	70,733.55	272.47	0.00	102.37	10.90	113.27	N	110.00	0.00	0.00	0.00
MON	5/16/2005	7,730.83	71,040.52	259.58	0.00	104.81	10.10	114.91	N	110.00	0.00	0.00	0.00
TUE	5/17/2005	7,731.50	71,569.75	370.25	0.00	103.44	10.42	113.86	N	110.00	0.00	0.00	0.00
WED	5/18/2005	7,732.03	71,990.18	311.99	0.00	100.03	13.36	113.39	N	110.00	0.00	0.00	0.00
THU	5/19/2005	7,732.83	72,628.48	424.66	0.00	102.85	14.60	117.45	N	110.00	0.00	0.00	0.00
FRI	5/20/2005	7,733.91	73,496.02	542.77	0.00	105.39	19.28	124.67	N	110.00	0.00	0.00	0.00
SAT	5/21/2005	7,735.32	74,638.80	686.46	0.00	110.32	35.33	145.65	N	110.00	0.00	0.00	0.00
SUN	5/22/2005	7,737.03	76,040.25	819.25	0.00	112.69	42.51	155.20	N	110.00	0.00	0.00	0.00
MON	5/23/2005	7,738.86	77,558.28	871.91	0.00	106.58	47.14	153.72	N	110.00	0.00	0.00	0.00
TUE	5/24/2005	7,740.82	79,204.99	907.25	0.00	77.04	53.48	130.52	N	110.00	0.00	0.00	0.00
WED	5/25/2005	7,742.56	80,686.17	823.08	0.00	76.33	53.04	129.37	N	110.00	0.00	0.00	0.00
THU	5/26/2005	7,744.12	82,029.45	752.36	0.00	75.14	50.45	125.58	N	110.00	0.00	0.00	0.00
FRI	5/27/2005	7,745.50	83,229.67	680.07	0.00	74.97	47.12	122.09	N	110.00	0.00	0.00	0.00
SAT	5/28/2005	7,746.70	84,282.17	606.30	0.00	75.67	43.89	119.57	N	110.00	0.00	0.00	0.00
SUN	5/29/2005	7,747.77	85,226.91	554.33	2.40	75.63	40.70	116.34	N	110.00	0.00	0.00	0.00
MON	5/30/2005	7,748.89	86,222.67	577.11	0.00	75.08	39.84	114.92	N	110.00	0.00	0.00	0.00
TUE	5/31/2005	7,749.89	87,117.38	531.78	6.60	74.10	38.15	112.25	N	110.00	0.00	0.00	0.00
Averages		7,734.25	73,940.11	409.95	0.29	94.88	22.17	117.05			0.00		0
Totals (acft)				25,207	18	5,834	1,363	7,197			0	0	0

NOTES:

FRYINGPAN-ARKANSAS PROJECT
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WATER YEAR 2005
June-05

DAY	DATE	ELEV. (FT)	STORAGE (AC-FT)	INFLOW (CFS)	EVAP. (CFS)	TOTAL RESERVOIR RELEASE (CFS)	ROCKY FORK CREEK (CFS)	FRYINGPAN RIVER GAGE BELOW DAM (CFS)	RUEDI CALLED OUT? (1= YES) (0= NO)	REQUIRED MIN FLOW BELOW RUEDI w/o FISH REL (CFS)	ENDANGERED FISH RELEASE (CFS)	CUMULATIVE FISH RELEASE (AC-FT)	PALISADE GAGE (CFS)
WED	6/1/2005	7,750.80	87,936.14	491.87	4.13	74.95	37.10	112.05	N	110.00	0.00	0.00	0.00
THU	6/2/2005	7,751.71	88,760.32	495.48	3.82	76.14	37.66	113.80	N	110.00	0.00	0.00	0.00
FRI	6/3/2005	7,752.70	89,662.65	530.77	0.00	75.85	38.09	113.94	N	110.00	0.00	0.00	0.00
SAT	6/4/2005	7,753.69	90,570.41	531.48	0.23	73.60	37.05	110.65	N	110.00	0.00	0.00	0.00
SUN	6/5/2005	7,754.58	91,391.84	495.51	7.35	74.02	34.11	108.13	N	110.00	0.00	0.00	0.00
MON	6/6/2005	7,755.38	92,133.99	454.19	6.02	74.01	34.88	108.90	N	110.00	0.00	0.00	0.00
TUE	6/7/2005	7,756.06	92,768.33	441.84	7.70	114.34	35.88	150.22	N	110.00	0.00	0.00	0.00
WED	6/8/2005	7,756.77	93,433.60	471.27	9.39	126.47	35.87	162.34	N	110.00	0.00	0.00	0.00
THU	6/9/2005	7,757.42	94,045.43	438.03	2.93	126.64	35.00	161.64	N	110.00	0.00	0.00	0.00
FRI	6/10/2005	7,758.04	94,631.73	424.26	3.68	124.99	34.15	159.14	N	110.00	0.00	0.00	0.00
SAT	6/11/2005	7,758.59	95,153.62	387.00	0.00	123.89	32.33	156.21	N	110.00	0.00	0.00	0.00
SUN	6/12/2005	7,759.20	95,735.23	417.68	0.00	124.45	31.75	156.20	N	110.00	0.00	0.00	0.00
MON	6/13/2005	7,759.72	96,232.66	381.69	7.89	123.02	29.79	152.81	N	110.00	0.00	0.00	0.00
TUE	6/14/2005	7,760.21	96,702.70	370.76	8.48	125.30	28.50	153.80	N	110.00	0.00	0.00	0.00
WED	6/15/2005	7,760.82	97,290.12	432.61	7.28	129.18	28.26	157.43	N	110.00	0.00	0.00	0.00
THU	6/16/2005	7,761.44	97,889.70	441.00	8.55	130.17	29.20	159.36	N	110.00	0.00	0.00	0.00
FRI	6/17/2005	7,762.13	98,559.75	478.66	9.73	131.12	30.30	161.42	N	110.00	0.00	0.00	0.00
SAT	6/18/2005	7,762.88	99,291.40	509.71	10.06	130.78	30.97	,161.75	N	110.00	0.00	0.00	0.00
SUN	6/19/2005	7,763.72	100,115.00	556.65	11.27	130.15	31.35	161.51	N	110.00	0.00	0.00	0.00
MON	6/20/2005	7,764.51	100,893.00	541.50	8.72	140.55	30.62	171.16	N	110.00	0.00	0.00	0.00
TUE	6/21/2005	7,765.10	101,477.59	520.32	3.56	222.03	30.18	252.21	N	110.00	0.00	0.00	0.00
WED	6/22/2005	7,765.53	101,904.00	465.52	5.56	244.99	29.33	274.31	N	110.00	0.00	0.00	0.00
THU	6/23/2005	7,765.83	102,203.00	452.40	5.86	295.79	28.35	324.15	N	110.00	0.00	0.00	0.00
FRI	6/24/2005	7,765.94	102,313.24	440.77	5.11	380.08	26.70	406.78	N	110.00	0.00	0.00	0.00
SAT	6/25/2005	7,765.99	102,363.28	425.24	4.17	395.84	26.17	422.01	N	110.00	0.00	0.00	0.00
SUN	6/26/2005	7,766.00	102,373.00	404.32	3.79	395.63	25.10	420.73	N	110.00	0.00	0.00	0.00
MON	6/27/2005	7,765.99	102,363.28	396.88	9.68	392.10	23.05	415.14	N	110.00	0.00	0.00	0.00
TUE	6/28/2005	7,765.96	102,333.16	375.09	0.00	390.28	21.48	411.76	N	110.00	0.00	0.00	0.00
WED	6/29/2005	7,766.01	102,38277	424.41	8.51	390.89	21.12	412.01	N	110.00	0.00	0.00	000
THU	6/30/2005	7,765.99	102,363.28	391.31	9.39	391.75	19.11	410.86	N	110.00	0.00	0.00	0.00
Averages		7,760.62	97,175.81	452.94	5.76	190.97	30.45	221.41			0.00		0
Totals (acft)				26,952	343	11,363	1,812	13,175			0	0	0

NOTES:

FRYINGPAN-ARKANSAS PROJECT
RUEDI RESERVOIR
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WATER YEAR 2005
July-05

DAY	DATE	ELEV. (FT)	STORAGE (AC-FT)	INFLOW (CFS)	EVAP. (CFS)	TOTAL RESERVOIR RELEASE (CFS)	ROCKY FORK CREEK (CFS)	FRYINGPAN RIVER GAGE BELOW DAM (CFS)	RUEDI CALLED OUT? (1= YES) (0= NO)	REQUIRED MIN FLOW BELOW RUEDI w/o FISH REL (CFS)	ENDANGERED FISH RELEASE (CFS)	CUMULATIVE FISH RELEASE (AC-FT)	PALISADE GAGE (CFS)
FRI	7/1/2005	7,765.88	102,253.48	347.11	10.26	392.20	17.86	410.06	N	110.00	0.00	0.00	0.00
SAT	7/2/2005	7,765.61	101,984.00	266.41	9.36	392.91	16.59	409.50	N	110.00	0.00	0.00	0.00
SUN	7/3/2005	7,765.31	101,686.00	246.77	6.32	390.69	15.33	406.02	N	110.00	0.00	0.00	0.00
MON	7/4/2005	7,764.99	101,369.00	240.04	8.74	391.12	14.42	40E54	N	110.00	0.00	0.00	0.00
TUE	7/5/2005	7,764.70	101,081.80	240.61	8.73	376.68	13.54	390.22	N	110.00	0.00	0.00	0.00
WED	7/6/2005	7,764.58	100,963.12	258.22	9.30	308.75	12.84	321.59	N	110.00	0.00	0.00	0.00
THU	7/7/2005	7,764.58	100,963.12	234.90	10.47	224.43	12.20	236.64	N	110.00	0.00	0.00	0.00
FRI	7/8/2005	7,764.74	101,121.35	238.44	11.06	147.61	11.65	159.26	N	110.00	0.00	0.00	0.00
SAT	7/9/2005	7,764.93	101,309.02	234.31	6.01	133.69	11.00	144.69	N	110.00	0.00	0.00	0.00
SUN	7/10/2005	7,765.10	101,477.59	224.73	6.71	133.03	10.81	143.84	N	110.00	0.00	0.00	0.00
MON	7/11/2005	7,765.24	101,617.03	214.01	10.22	133.49	10.32	143.81	N	110.00	0.00	0.00	0.00
TUE	7/12/2005	7,765.41	101,786.11	229.72	9.94	134.53	10.08	144.61	N	110.00	0.00	0.00	0.00
WED	7/13/2005	7,765.54	101,915.34	212.47	10.82	136.50	9.66	146.16	N	110.00	0.00	0.00	0.00
THU	7/14/2005	7,765.69	102,064.49	219.13	8.20	135.74	9.46	145.20	N	110.00	0.00	0.00	0.00
FRI	7/15/2005	7,765.86	102,233.56	233.24	8.79	139.21	8.75	147.96	N	110.00	0.00	0.00	0.00
SAT	7/16/2005	7,765.92	102,293.32	200.42	9.97	160.32	8.78	169.10	N	110.00	0.00	0.00	0.00
SUN	7/17/2005	7,766.00	102,373.00	210.91	9.98	160.76	8.59	169.35	N	110.00	0.00	0.00	0.00
MON	7/18/2005	7,765.98	102,353.08	200.06	11.15	198.96	8.26	207.22	N	110.00	0.00	0.00	0.00
TUE	7/19/2005	7,765.86	102,233.56	197.72	10.55	247.42	8.10	255.52	N	110.00	0.00	0.00	0.00
WED	7/20/2005	7,765.75	102,124.25	193.27	ago	238.42	7.76	246.18	N	110.00	0.00	0.00	0.00
THU	7/21/2005	7,765.66	102,034.00	176.62	4.43	217.70	7.42	225.12	N	110.00	0.00	0.00	0.00
FRI	7/22/2005	7,765.61	101,984.00	185.23	4.43	206.00	7.30	213.30	N	110.00	0.00	0.00	0.00
SAT	7/23/2005	7,765.57	101,944.00	168.21	4.43	183.94	7.09	191.04	N	110.00	0.00	0.00	0.00
SUN	7/24/2005	7,765.69	102,064.49	246.25	4.43	181.07	6.96	188.03	N	110.00	0.00	0.00	0.00
MON	7/25/2005	7,765.88	102,253.48	365.33	0.00	270.05	6.81	276.86	N	110.00	0.00	0.00	0.00
TUE	7/26/2005	7,765.62	101,994.00	254.57	7.90	377.49	6.80	384.29	N	110.00	0.00	0.00	0.00
WED	7/27/2005	7,765.48	101,855.00	230.42	8.77	291.73	6.90	298.63	N	110.00	0.00	0.00	0.00
THU	7/28/2005	7,765.46	101,835.00	201.19	5.34	205.94	7.14	213.08	N	110.00	0.00	0.00	0.00
FRI	7/29/2005	7,765.46	101,835.00	189.92	5.26	184.66	7.10	191.76	N	110.00	0.00	0.00	0.00
SAT	7/30/2005	7,765.42	101,795.00	171.73	5.26	186.64	6.82	193.46	N	110.00	0.00	0.00	0.00
SUN	7/31/2005	7,765.34	101,716.15	152.80	5.26	187.29	6.66	193.95	N	110.00	0.00	0.00	0.00
Averages		7,765.45	101,822.98	225.32	7.81	228.03	9.77	237.81			0.00		0
Totals (acft)				13,854	480	14,021	601	14,622			0	0	0

NOTES:

FRYINGPAN-ARKANSAS PROJECT
RUEDI RESERVOIR
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WATER YEAR 2005
August-05

DAY	DATE	ELEV. (FT)	STORAGE (AC-FT)	INFLOW (CFS)	EVAP. (CFS)	TOTAL RESERVOIR RELEASE (CFS)	ROCKY FORK CREEK (CFS)	FRYINGPAN RIVER GAGE BELOW DAM (CFS)	RUEDI CALLED OUT? (1= YES) (0= NO)	REQUIRED MIN FLOW BELOW RUEDI w/o FISH REL (CFS)	ENDANGERED FISH RELEASE (CFS)	CUMULATIVE FISH RELEASE (AC-FT)	PALISADE GAGE (CFS)
MON	8/1/2005	7,765.29	101,666.59	155.73	0.00	180.72	6.38	187.09	N	110.00	0.00	0.00	0.00
TUE	8/2/2005	7,765.29	101,666.00	164.36	5.55	159.11	6.13	165.23	N	110.00	0.00	0.00	0.00
WED	8/3/2005	7,765.30	101,676.30	164.49	0.00	159.29	5.97	165.26	N	110.00	0.00	0.00	0.00
THU	8/4/2005	7,765.44	101,815.00	227.51	1.21	156.37	5.97	162.35	N	110.00	0.00	0.00	0.00
FRI	8/5/2005	7,765.62	101,994.00	256.42	0.00	166.17	5.90	172.07	N	110.00	0.00	0.00	0.00
SAT	8/6/2005	7,765.62	101,994.00	202.89	0.00	202.89	5.97	208.85	N	110.00	0.00	0.00	0.00
SUN	8/7/2005	7,765.59	101,964.00	190.86	0.00	205.99	6.23	212.21	N	110.00	0.00	0.00	0.00
MON	8/8/2005	7,765.52	101,895.42	161.78	7.79	188.57	6.11	194.67	N	110.00	0.00	0.00	0.00
TUE	8/9/2005	7,765.52	101,895.42	147.54	6.03	141.51	5.93	147.44	N	110.00	0.00	0.00	0.00
WED	8/10/2005	7,765.58	101,955.18	169.76	0.06	139.57	5.70	145.27	N	110.00	0.00	0.00	0.00
THU	8/11/2005	7,765.64	102,014.00	176.37	7.02	139.69	5.54	145.23	N	110.00	0.00	0.00	0.00
FRI	8/12/2005	7,765.68	102,054.77	175.75	7.03	148.16	5.23	153.40	N	110.00	0.00	0.00	0.00
SAT	8/13/2005	7,765.60	101,974.00	138.76	7.02	172.47	5.22	177.68	N	110.00	0.00	0.00	0.00
SUN	8/14/2005	7,765.52	101,895.42	140.32	7.02	172.92	5.21	178.13	N	110.00	0.00	0.00	0.00
MON	8/15/2005	7,765.38	101,755.98	126.51	6.51	190.30	4.99	195.29	N	110.00	75.00	148.76	0.00
TUE	8/16/2005	7,765.13	101,507.23	112.22	0.00	237.63	4.98	242.61	N	110.00	110.00	366.95	0.00
WED	8/17/2005	7,764.82	101,199.98	113.96	5.14	263.73	4.75	268.47	N	110.00	150.00	664.47	0.00
THU	8/18/2005	7,764.50	100,884.00	109.56	5.13	263.73	4.74	268.48	N	110.00	150.00	962.00	0.00
FRI	8/19/2005	7,764.17	100,557.88	101.89	3.44	262.86	4.74	267.60	N	106.63	150.00	1,259.52	0.00
SAT	8/20/2005	7,763.83	100,223.30	95.59	3.43	260.84	4.74	265.58	N	100.33	150.00	1,557.05	0.00
SUN	8/21/2005	7,763.49	99,889.39	104.35	10.08	262.62	4.74	267.36	N	109.09	150.00	1,854.57	0.00
MON	8/22/2005	7,763.14	99,546.48	93.24	4.01	262.12	4.52	266.64	N	97.77	150.00	2,152.10	0.00
TUE	8/23/2005	7,762.79	99,203.57	95.50	5.46	262.92	4.39	267.31	N	99.89	150.00	2,449.62	0.00
WED	8/24/2005	7,762.42	98,842.28	93.22	6.02	269.34	4.26	273.60	N	97.48	160.00	2,766.98	0.00
THU	8/25/2005	7,762.01	98,442.90	86.01	3.70	283.67	4.27	287.93	N	90.28	185.00	3,133.93	0.00
FRI	8/26/2005	7,761.61	98,054.50	92.56	3.69	284.68	4.26	288.94	N	96.82	185.00	3,500.88	0.00
SAT	8/27/2005	7,761.20	97,657.66	89.53	3.68	285.92	4.26	290.18	N	93.79	185.00	3,867.83	0.00
SUN	8/28/2005	7,760.78	97,251.48	84.74	3.67	285.85	4.19	290.04	N	88.93	185.00	4,234.77	0.00
MON	8/29/2005	7,760.34	96,827.61	80.17	7.07	286.80	4.04	290.85	N	84.22	185.00	4,601.72	0.00
TUE	8/30/2005	7,759.90	96,404.30	83.92	8.46	288.87	4.04	292.91	N	87.96	185.00	4,968.67	0.00
WED	8/31/2005	7,759.43	95,955.01	70.63	9.56	287.58	3.93	291.51	N	74.56	185.00	5,335.62	0.00
Averages		7,763.94	100,343.99	132.46	4.44	221.71	5.07	226.78			86.77		0
Totals (acft)				8,145	273	13,632	312	13,944			5,336	5,336	0

FRYINGPAN-ARKANSAS PROJECT
RUEDI RESERVOIR
RELEASES FOR ENDANGERED FISH
WATER YEAR 2005
September-05

DAY	DATE	ELEV. (FT)	STORAGE (AC-Fr)	INFLOW (CFS)	EVAP. (CFS)	TOTAL RELEASE (CFS)	ROCKY FORK CREEK (CFS)	FRYINGPAN RIVER GAGE BELOW DAM (CFS)	RUEDI CALLED OUT? (1-= YES) (0= NO)	REQUIRED MIN FLOW BELOW RUED! w/o FISH REL (CFS)	ENDANGERED FISH RELEASE (CFS)	CUMULATIVE FISH RELEASE (AC-FT)	PALISADE GAGE (CFS)
THU	9/1/2005	7,758.96	95,506.02	62.78	4.55	284.59	3.82	288.41	N	66.60	185.00	5,702.56	0.00
FRI	9/2/2005	7,758.50	95,068.20	68.17	5.03	283.87	3.80	287.66	N	71.96	185.00	6,069.51	0.00
SAT	9/3/2005	7,758.04	94,631.73	68.59	5.02	283.62	3.72	287.34	N	72.31	185.00	6,436.46	0.00
SUN	9/4/2005	7,757.58	94,196_62	68.70	5.00	283.06	3.82	286.88	N	72.52	185.00	6,803.41	0.00
MON	9/5/2005	7,757.11	93,753.20	62.74	4.99	281.30	3.82	285.11	N	66.55	185.00	7,170.35	0.00
TUE	9/6/2005	7,756.61	93,283.25	43.12	4.42	275.63	3.70	279.34	N	46.83	185.00	7,537.30	0.00
WED	9/7/2005	7,756.15	92,852.34	79.24	7.43	289.05	3.60	292.65	N	82.84	185.00	7,90425	0.00
THU	9/8/2005	7,755.72	92,451.02	88.66	2.06	288.93	3.63	292.56	N	92.29	185.00	8,271.20	0.00
FRI	9/9/2005	7,755.32	92,078.13	104.21	2.05	290.15	3.60	293.76	N	107.81	185.00	8,638.14	0.00
SAT	9/10/2005	7,754.89	91,679.09	95.95	2.05	295.08	3.48	298.57	N	99.44	185.00	9,005.09	0.00
SUN	9/11/2005	7,754.43	91,253.18	82.97	2.04	295.66	3.50	299.16	N	86.48	185.00	9,372.04	0.00
MON	9/12/2005	7,753.94	90,800.64	71.81	5.42	294.54	3.63	298.18	N	75.44	185.00	9,738.99	0.00
TUE	9/13/2005	7,753.46	90,358.96	76.36	4.87	294.16	3.82	297.98	N	80.18	185.00	10,105.93	0.00
WED	9/14/2005	7,752.97	89,909.72	67.40	0.00	293.89	3.82	297.71	N	71.22	185.00	10,472.88	0.00
THU	9/15/2005	7,752.49	89,470.84	78.17	5.91	293.52	3.82	297.34	N	81.99	205.00	10,879.50	0.00
FRI	9/16/2005	7,751.99	89,015.12	69.34	5.89	293.21	3.73	296.93	N	73.07	205.00	11,286.12	0.00
SAT	9/17/2005	7,751 .49	88,560.89	70.33	5.87	293.46	3.57	297.03	N	73.90	205.00	11,692.73	0.00
SUN	9/18/2005	7,750.99	88,108.17	70.73	5.85	293.12	3.49	296.60	N	74.21	205.00	12,099.35	0.00
MON	9/19/2005	7,750.48	87,647.71	66.05	5.03	293.17	3.38	296.55	N	69.43	205.00	12,505,97	0.00
TUE	9/20/2005	7,749.98	87,198.02	70.46	4.22	292.95	3.38	296.33	N	73.84	205.00	12,912.59	0.00
WED	9/21/2005	7,749.52	86,785.60	85.45	0.00	293.37	3.39	296.76	N	88.83	205.00	13,319.20	0.00
THU	9/22/2005	7,749,09	86,400,91	100.92	1.99	292.88	3.34	296.22	N	104.26	191.96	13,699.95	0.00
FRI	9/23/2005	7,748.63	85,990.70	90.23	4.45	292.59	3.18	295.77	N	93.41	202.36	14,101.33	0.00
SAT	9/24/2005	7,748.16	85,572.96	86.60	4.44	292.76	3.18	295.94	N	89.78	205.00	14,507.94	0.00
SUN	9/25/2005	7,747.64	85,111 .88	65.05	4.43	293.08	3.22	296.29	N	68.27	205.00	14,914.56	0,00
MON	9/26/2005	7,747.13	84,660.88	70.31	5.45	292.24	328	295.62	N	73.69	205.00	15,321.18	0.00
TUE	9/27/2005	7,746.69	84,273.15	96.76	0,00	292.24	3.43	295.67	N	100.19	195.48	15,708.91	0.00
WED	9/28/2005	7,746.48	84,088.48	172.84	0.00	265.94	3.68	289.62	N	110,00	159.62	16,025.53	0.00
THU	9/29/2005	7,746.38	84,000.52	14310	1.88	186.16	3.28	189.45	N	110.00	79.45	16,183.10	0.00
FRI	9/30/2005	7,746.21	83,851.33	114.56	3.61	186,17	3.31	189.48	N	110.00	79.48	16,340.74	0.00
Averages		7,752.23	89,285.31	83.07	3.80	282.68	3.55	286.23			184.94		0
Totals (acft)				4,943	226	16,821	211	17,032			11,005	16,341	0

Table 3

Fryingpan-Arkansas Project
Transmountain Diversions
Water Year 2005
Unit: Acre-Feet

Diversion	Apr	May	Jun	Jul	Aug	Sep	Total
No Name		1,112	1,908	81			3,101
Hunter		1,570	3,099	289			4,958
Sawyer		423	1,008	148			1,579
Midway		1,289	2,730	495			4,514
Chapman'		352	1,703	384			2,439
South Fork		1,854	3,606	456			5,916
Subtotal		6,600	14,054	1,853			22,507
Carter	8	966	1,411	684			3,069
North Fork		198	365	40			603
Mormon		882	1,609	257			2,748
N. Cunningham [2]		545	870	65			1,480
M. Cunningham		665	1,279	143			2,087
Ivanhoe		1,148	1,917	262			3,327
Lily Pad		213	478	37			728
Granite		412	819	120			1,351
Fryingpan		2,752	5,208	1,743			9,703
Subtotal	8	7,781	13,956	3,351			25,096
Total	8	14,381	28,010	5,204			47,603
Boustead Tunnel'	148	15,752	31,704	6,075			53,679

[1] Does not include No Name, Hunter, Sawyer and Midway

[2] Includes South Cunningham

[3] The difference between total diversion and Charles H. Boustead Tunnel results from the accuracy limitations of the measurement

Table 4

Fryingpan-Arkansas Project Imports
Charles H. Boustead Tunnel Outlet
Unit: 1,000 Acre-feet

Year	Imports	Acumulated Imports	Twin Lakes Exchange	Available for Allocations
1972	32.0	32.0	0	0.0
1973	36.8	68.8	0	16.0
1974	34.1	102.9	0	18.6
1975	37.2	140.1	0	25.0
1976	26.9	167.0	0	24.0
1977	11.4	178.4	0	25.0
1978	49.2	227.6	0	25.0
1979	53.7	281.3	0	25.6
1980	55.7	337.0	0	70.0
1981	34.6	371.6	0	25.0
1982	75.2	446.8	2.7	68.0
1983	90.8'	537.6	0.3	125.0
1984	110.12	647.7	1.9	210.0
1985	70.2	717.9	1.7	289.9
1986	30.3	748.2	1.5	300.3
1987	2.2	750.4	1.1	288.0
1988	13.4	763.8	2.0	247.8
1989	36.2	800.0	1.7	197.6
1990	46.6	846.6	1.7	142.1
1991	59.1	905.7	1.5	58.7
1992	54.8	960.5	1.2	32.9
1993	86.6	1,047.1	2.3	70.1
1994	52.2	1,099.3	1.3	51.7
1995	90.5	1,189.8	2.3	55.0
1996	36.9	1,226.7	1.8	110.0
1997	78.6	1,305.3	1.8	116.0
1998	51.3	1,356.6	2.6	102.0
1999	40.8	1,397.4	2.1	127.5
2000	44.8	1,442.2	1.7	171.6
2001	45.3	1,487.5	2.1	67.5
2002	13.2	1,500.7	1.5	8.5
2003	54.9	1,555.6	2.4	37.5
2004	27.4	1,583.0	1.3	15.3
2005	54.6	1,637.6	3.0	40.8

Restriction: Not to exceed 120,000 acre-feet in 1 year but not to exceed 2,352,800 acre-feet in 34 consecutive years.

Includes 3,120 acre-feet imported through Twin Lakes Tunnel

[2] Includes 2,080 acre-feet imports through Boustead Tunnel in October and 420 acre-feet in November. All other years are water year totals.

Turquoise Lake
Water Year 2005 Operations
Unit: 1,000 Acre-Feet

		Inflow									
Year	Month	Busk-Ivanhoe Imports Through Carlton	Busk-Ivanhoe Imports Through Boustead	Homestake Imports	Project Imports	Native Inflow	Total Inflow	Evap	Total Outflow	End of Month Content (FEET)	Water Surface Elevation
2004	Sep									79.7	9839.74
	Oct	0.1	0	0.1	0	0.4	0.6	0.3	5.5	74.5	9836.30
	Nov	0.1	0	0	0	0.4	0.5	0.1	2.3	72.4	9834.96
	Dec	0	0	0	0	0.3	0.3	0.1	0.8	71.9	9834.61
2005	Jan	0	0	0	0	0.5	0.5	0	1.0	71.5	9834.30
	Feb	0	0	0	0	0.4	0.4	0	0.7	71.1	9834.05
	Mar	0.1	0	8.0	0	0.8	8.9	0	5.5	74.5	9836.30
	Apr	0.1	0	14.9	0.1	1.9	17.0	0	18.5	73.0	9835.32
	May	1.1	0	0.4	16.6	7.7	25.8	0.3	18.9	79.7	9839.72
	Jun	2.4	0	0	31.7	8.2	42.3	0.6	5.5	115.9	9861.73
	Jul	0.6	0	0	6.1	2.6	9.3	0.7	1.7	122.9	9865.71
	Aug	0.2	0	0	0.1	0.5	0.8	0.4	1.2	122.0	9865.23
	Sep	0.2	0	0	0	0.6	0.8	0.5	5.0	117.3	9862.52
Subtotal		4.9	0								
Total		4.9		23.4	54.6	24.3	107.2	3.0	66.6		

Twin Lakes/Mt. Elbert Forebay
Water Year 2005 Operations
Unit: 1,000 Acre-Feet

		Inflow									
		Twin Lakes Canal Company		Mt. Elbert Conduit							
Year	Month	Imports	Other	Halfmoon	Project Water	Native Inflow	Total Inflow	Evap	Total Outflow	End of Month Content'	Water Surface Elevation2 (FEET)
2004	Sep									115.3	9185.95
	Oct	0.6	0.6	0	5.0	1.1	7.3	0.6	7.2	114.9	9185.61
	Nov	0.7	0.3	0	1.8	0.7	3.5	0.2	0.9	117.3	9186.89
	Dec	0.4	1.0	0	0.3	0.1	1.8	0	4.2	114.2	9185.25
2005	Jan	0.3	0.8	0	0.4	0.4	1.9	0	10.8	105.3	9181.08
	Feb	0.2	0.8	0	0.3	0.1	1.4	0	9.8	96.6	9177.13
	Mar	0.2	0.4	0	4.9	0.5	6.0	0	9.7	92.9	9174.90
	Apr	0.7	0	0	18.0	0.4	19.1	0.2	11.3	100.4	9178.92
	May	11.7	8.7	2.4	17.8	5.0	45.6	1.1	21.4	123.5	9189.46
	Jun	21.3	6.2	5.4	4.3	18.4	55.6	1.2	38.7	139.2	9196.56
	Jul	9.0	1.8	3.1	0.5	13.0	27.4	1.5	33.8	131.4	9193.48
	Aug	2.9	0.3	1.1	0.4	5.4	10.1	0.8	20.1	120.6	9188.45
	Sep	1.2	0	0	4.6	2.6	8.4	0.9	13.7	114.4	9185.66
Subtotal		49.2	20.9	12.0	58.3						
Total		70.1		70.3		47.7	188.1	6.5	181.6		

Contents of both Twin Lakes and Mt. Elbert Forebay

[2] Elevation of Twin Lakes

Table 7

Mt. Elbert Pumped-Storage Powerplant Operations
Water Year 2005

Year	Month	Mt. Elbert Conduit Inflow to Mt. Elbert Forebay (acre-ft)	Water Pumped from Twin Lakes to Mt. Elbert Forebay (acre-ft)	Water through Generator (acre-ft)	Megawatt-Hours Net Generation* (mWh)
2004	Oct	5,066	55,847	61,220	20,731
	Nov	1,920	56,006	58,163	19,604
	Dec	370	61,073	60,555	19,843
2005	Jan	568	68,737	69,452	22,963
	Feb	309	52,879	53,839	17,997
	Mar	5,017	63,042	67,645	23,010
	Apr	18,074	53,999	72,373	25,001
	May	20,195	52,625	71,650	25,028
	Jun	9,520	84,226	95,564	33,067
	Jul	3,452	94,497	97,283	32,538
	Aug	1,463	84,371	84,944	27,804
	Sep	4,497	47,256	51,498	18,214
Total		70,451	774,558	844,186	285,800

*Net Generation is gross plant generation less station service.

Pueblo Reservoir
Water Year 2005 Operations
Unit: 1,000 Acre-Feet

Year	Month	Inflow: Project Water	Inflow: Other	Inflow: Native	Total Inflow	Evapo-ration	Outflow	End of month content	Water surface elevation (FEET)
2004	Sep							101.8	4836.08
	Oct	0.3	7.5	12.2	20.0	1.0	22.7	98.1	4834.64
	Nov	0.7	4.1	16.0	20.8	0.4	12.8	105.6	4837.54
	Dec	1.3	2.2	16.8	20.3	0.4	9.6	116.0	4841.33
2005	Jan	1.5	2.4	16.4	20.3	0.3	9.3	126.7	4845.10
	Feb	1.1	0.4	18.0	19.5	0.5	4.8	140.9	4849.84
	Mar	1.1	2.9	17.1	21.1	0.9	18.5	142.7	4850.42
	Apr	2.4	1.5	14.7	18.6	1.2	21.6	138.5	4849.04
	May	1.2	5.7	52.4	59.3	1.7	67.3	128.7	4845.80
	Jun	0.3	7.7	90.7	98.7	2.2	96.2	129.0	4845.90
	Jul	3.9	7.5	45.3	56.7	2.5	73.8	109.4	4838.95
	Aug	2.7	9.2	30.5	42.4	1.6	51.6	98.6	4834.84
	Sep	1.5	2.0	9.9	13.4	1.2	19.8	91.0	4831.82
Subtotal		18.0	53.1	340.0					
Total					411.1	13.9	408.0		

Table 9

Fryingpan-Arkansas Project
Reservoir Storage Allocation Data
Unit: Acre-Feet

Reservoir	Dead	Inactive	Active conservation	Joint use	Flood control	Total capacity storage
Ruedi	63	1,095	101,278	0	0	102,3731
Turquoise	2,810	8,920	120,478	0	0	129,3981
Pueblo	2,329	28,121	228,828	66,000	26,991	349,9402
Twin Lakes	63,324	72,938	67,917	0	0	140,855
Mt. Elbert Forebay	561	3,825	7,318	0	0	11,1431

[1] New area-capacity tables (1984)

[2] New area-capacity table (1994)

Note: Inactive includes dead storage

Table 10

Fryingpan-Arkansas Project
Monthly Evaporation Factors

	Meredith	Sugar Loaf	Twin Lakes	Pueblo
Month	Factor	Factor	Factor	Factor
Oct	1/	.220	.220	.247
Nov		.100	.100	.155
Dec		.030	.030	.133
Jan		.050	.050	.128
Feb		.080	.080	.173
Mar		.140	.140	.280
Apr		.233	.233	.308
May		.363	.363	-
Jun		.448	.448	-
Jul		.405	.405	-
Aug		.318	.318	-
Sep		.290	.290	-

Note: Factor is used when pan is not in operation. Factor divided by number of days in the month times reservoir area not covered by ice equals daily water surface evaporation in acre-feet.

1/ Factors have not been determined for Meredith. Factors from Twin Lakes are used for Meredith.

Table 11

Fryingpan-Arkansas Project
Monthly Average vs. Current Water Year Evaporation
(Unit = Inches)

Month	Meredith		SugarLoaf		Twin Lakes		Pueblo	
	Ave Pan (In.)	WY 05	Ave Pan (In.)	WY 05	Ave Pan (In.)	WY 05	Ave Pan (In.)	WY 05
Oct	0.89	0.73	2.34	3.61	2.73	3.83	5.36	6.60
Nov	0	0	1.57	1.70	1.70	1.70	2.63	2.66
Dec	0	0	0.30	0.53	0.37	0.53	2.28	2.28
Jan	0.21	0	0	0	0	0	2.19	2.19
Feb	0	0	0	0	0	0	2.98	2.17
Mar	0	0	0.30	2.40	0.54	2.40	4.86	4.80
Apr	0.21	0	0.62	3.99	1.85	3.99	6.36	6.73
May	2.33	0.16	1.66	7.00	4.57	8.17	8.79	10.00
Jun	7.49	5.58	5.47	5.61	7.36	7.44	10.17	12.95
Jul	7.60	8.21	5.25	6.03	6.79	8.33	10.94	15.45
Aug	6.06	6.00	4.21	4.00	5.58	4.72	9.00	10.71
Sep	4.02	3.24	3.45	3.45	4.87	4.96	7.34	8.38

Table 12

Fryingpan-Arkansas Project
Monthly Average Vs. Current Water Year Precipitation
(Unit = Inches)

Month	Meredith		Sugar Loaf		Twin Lakes		Pueblo		Rocky Ford	
	Avg.	WY 05	Avg.	WY 05	Avg.	WY 05	Avg.	WY 05	Avg.	WY 05
Oct	1.46	1.62	0.97	0.68	0.64	0.72	0.65	0.27	0.78	0.32
Nov	1.11	1.65	1.28	1.40	0.51	0.38	0.54	0.64	0.46	0.84
Dec	1.22	0.54	1.23	0.45	0.47	0.16	0.37	0.29	0.32	0.08
Jan	1.20	4.22	1.43	1.50	0.40	1.02	0.28	0.62	0.26	0.44
Feb	1.01	1.07	1.21	0.69	0.49	0.23	0.25	0.32	0.29	0.24
Mar	1.13	1.41	1.46	1.91	0.73	0.08	0.85	1.07	0.68	1.55
Apr	1.26	1.70	1.42	1.13	0.76	0.24	1.36	2.02	1.32	0.75
May	1.38	1.12	1.27	0.67	0.92	0.41	1.58	0.50	1.83	0.49
Jun	1.38	1.69	1.15	1.73	0.87	0.96	1.34	0.97	1.40	1.05
Jul	1.63	0.70	1.97	1.93	1.59	0.91	1.94	0.37	1.97	0.45
Aug	1.73	2.25	2.01	1.60	1.51	1.67	1.93	2.68	1.54	2.17
Sep	1.64	2.87	1.35	1.79	0.96	1.51	0.93	1.37	0.90	1.38
Total	16.15	20.84	16.75	15.48	9.85	8.29	12.02	11.12	11.75	9.76
Max. Annual	26.70	(1984)	25.95	(1957)	17.27	(1952)	17.73	(1995)	22.75	(1999)

Table 13

Fryingpan-Arkansas Project
Flood Control Benefits in Dollars

	Ruedi Reservoir		Pueblo Reservoir	
	Benefits	Accumulated Benefits	Benefits	Accumulated Benefits
1976			320,000	320,000
1979			90,000	410,000
1980			86,000	496,000
1981			111,000	607,000
1982			836,000	1,443,000
1983	80,000	80,000	47,000	1,490,000
1984	330,000	410,000	1,039,000	2,529,000
1985	91,000	501,000	234,000	2,763,000
1986	70,000	571,000	0	2,763,000
1987	0	571,000	90,000	2,853,000
1988	0	571,000	0	2,853,000
1989	0	571,000	0	2,853,000
1990	0	571,000	0	2,853,000
1991	0	571,000	482,000	3,335,000
1992	0	571,000	266,000	3,601,000
1993	4,000	575,000	496,000	4,097,000
1994	280,000	855,000	290,000	4,387,000
1995	1,770,000	2,625,000	832,000	5,219,000
1996	1,550,000	4,175,000	0	5,219,000
1997	1,207,000	5,382,000	320,200	6,539,200
1998	0	5,382,000	0	6,539,200
1999	116,000	5,498,000	4,778,000	11,317,200
2000	1,061,000	6,559,000	0	11,317,200
2001	0	6,559,000	0	11,317,000
2002	0	6,559,000	0	11,317,000
2003	1,515,100	8,074,100	0	11,317,000
2004	0	8,074,100	0	11,317,000
2005	0	8,074,100	0	11,317,000

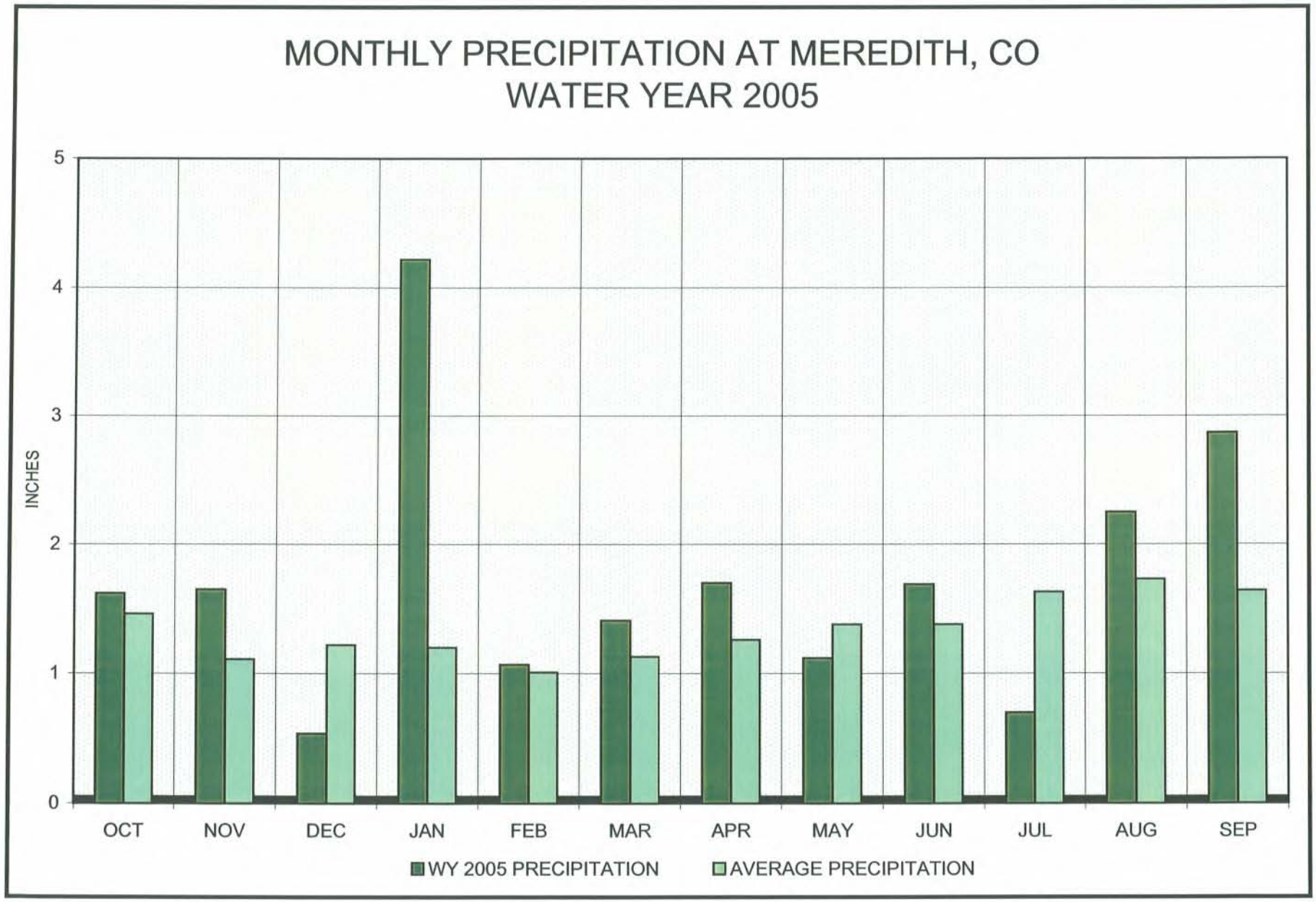

MONTHLY PRECIPITATION AT MEREDITH, CO
WATER YEAR 2005
INCHES
0
1
2
3
4
5
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
WY 2005 PRECIPITATION
AVERAGE PRECIPITATION

Exhibit 1

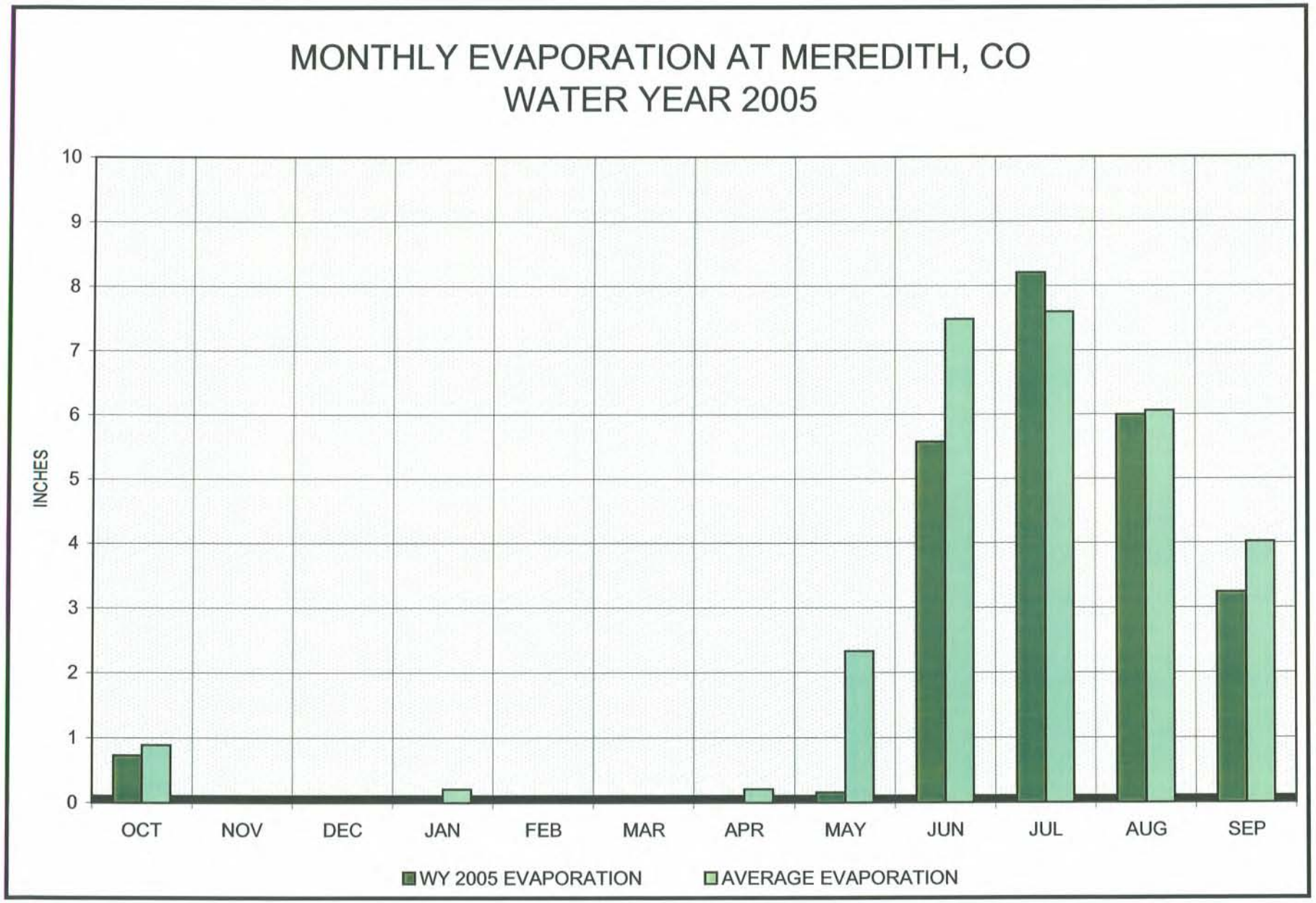

MONTHLY EVAPORATION AT MEREDITH, CO
WATER YEAR 2005
INCHES
10
9
8
7
6
5
4
3
2
1
0
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
WY 2005 EVAPORATION
AVERAGE EVAPORATION

Exhibit 2

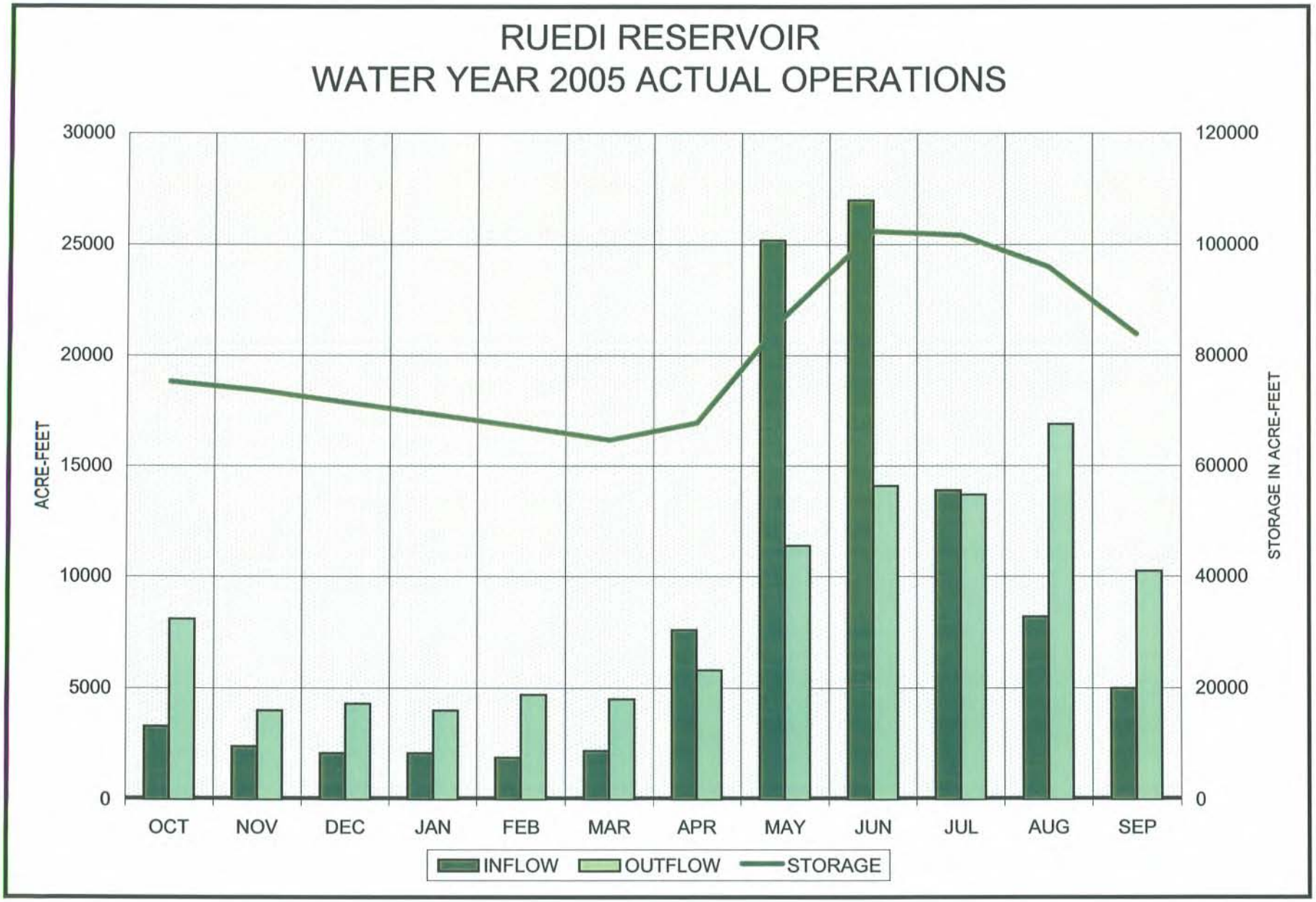

RUEDI RESERVOIR
WATER YEAR 2005 ACTUAL OPERATIONS
ACRE-FEET
STORAGE IN ACRE-FEET
30000
25000
20000
15000
10000
5000
0
120000
100000
80000
60000
40000
20000
0
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
INFLOW
OUTFLOW
STORAGE

Exhibit 3

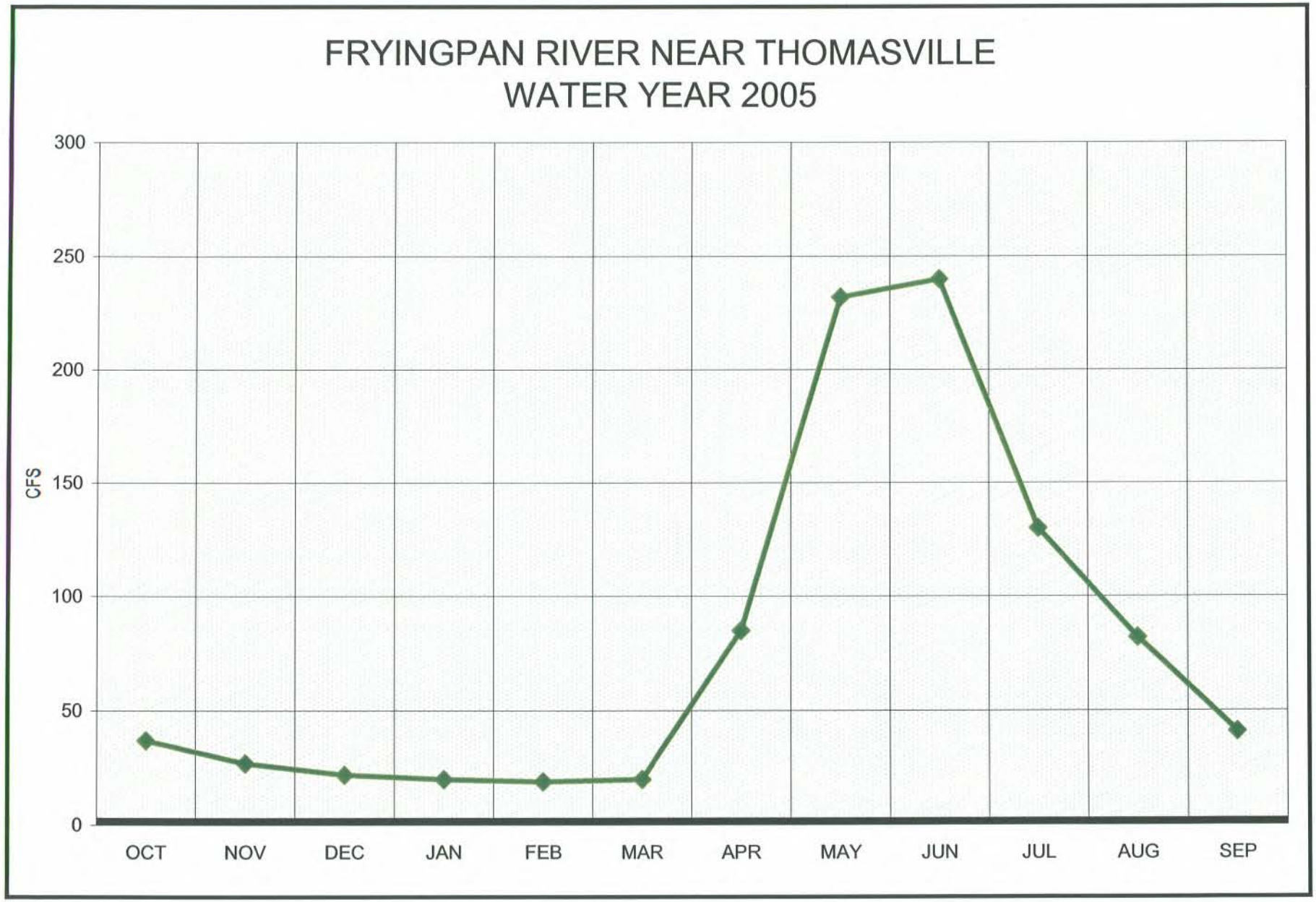

FRYINGPAN RIVER NEAR THOMASVILLE
WATER YEAR 2005
CFS
300
250
200
150
100
50
0
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP

Exhibit 4

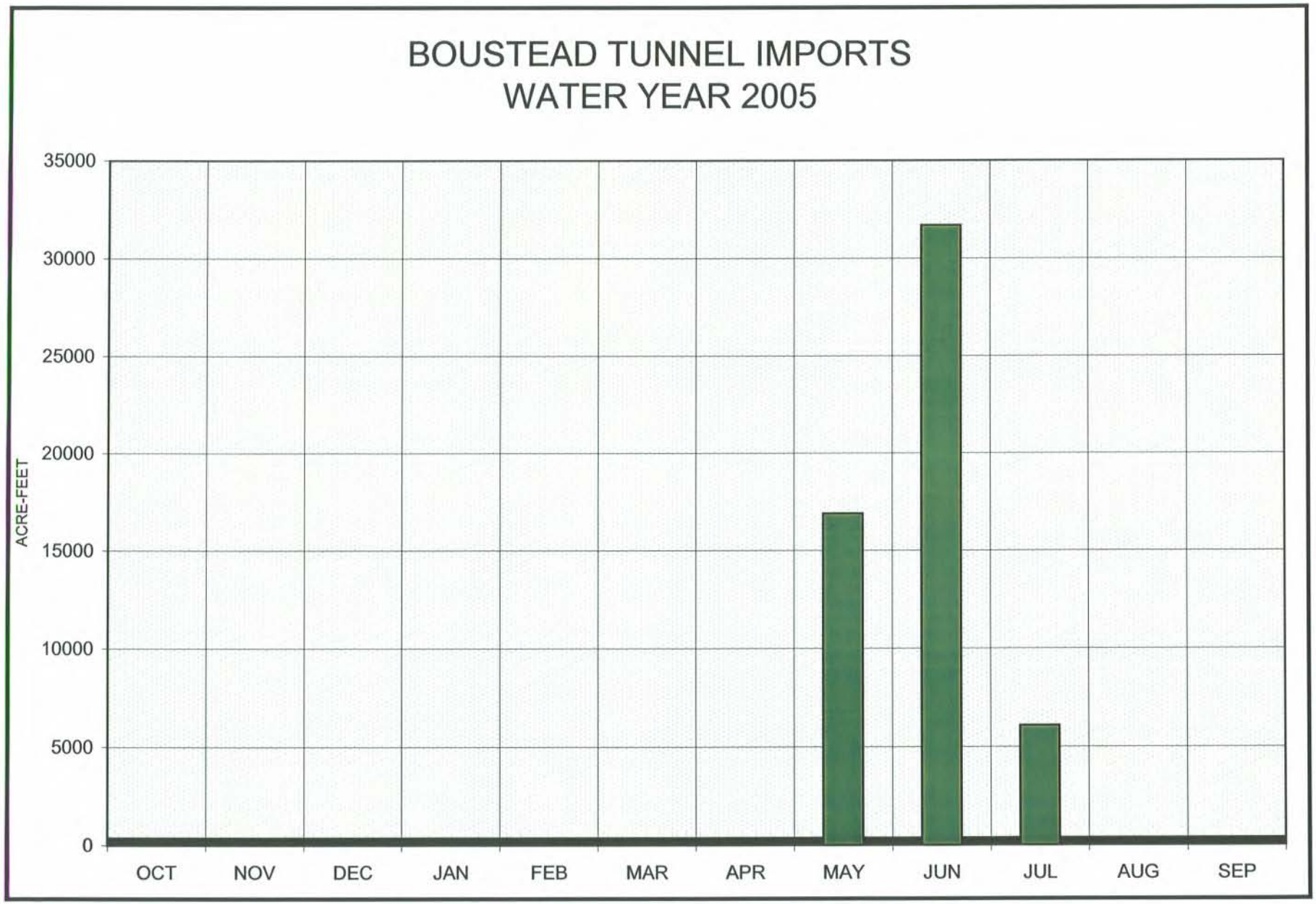

BOUSTEAD TUNNEL IMPORTS
WATER YEAR 2005
ACRE-FEET
35000
30000
25000
20000
15000
10000
5000
0
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP

Exhibit 5

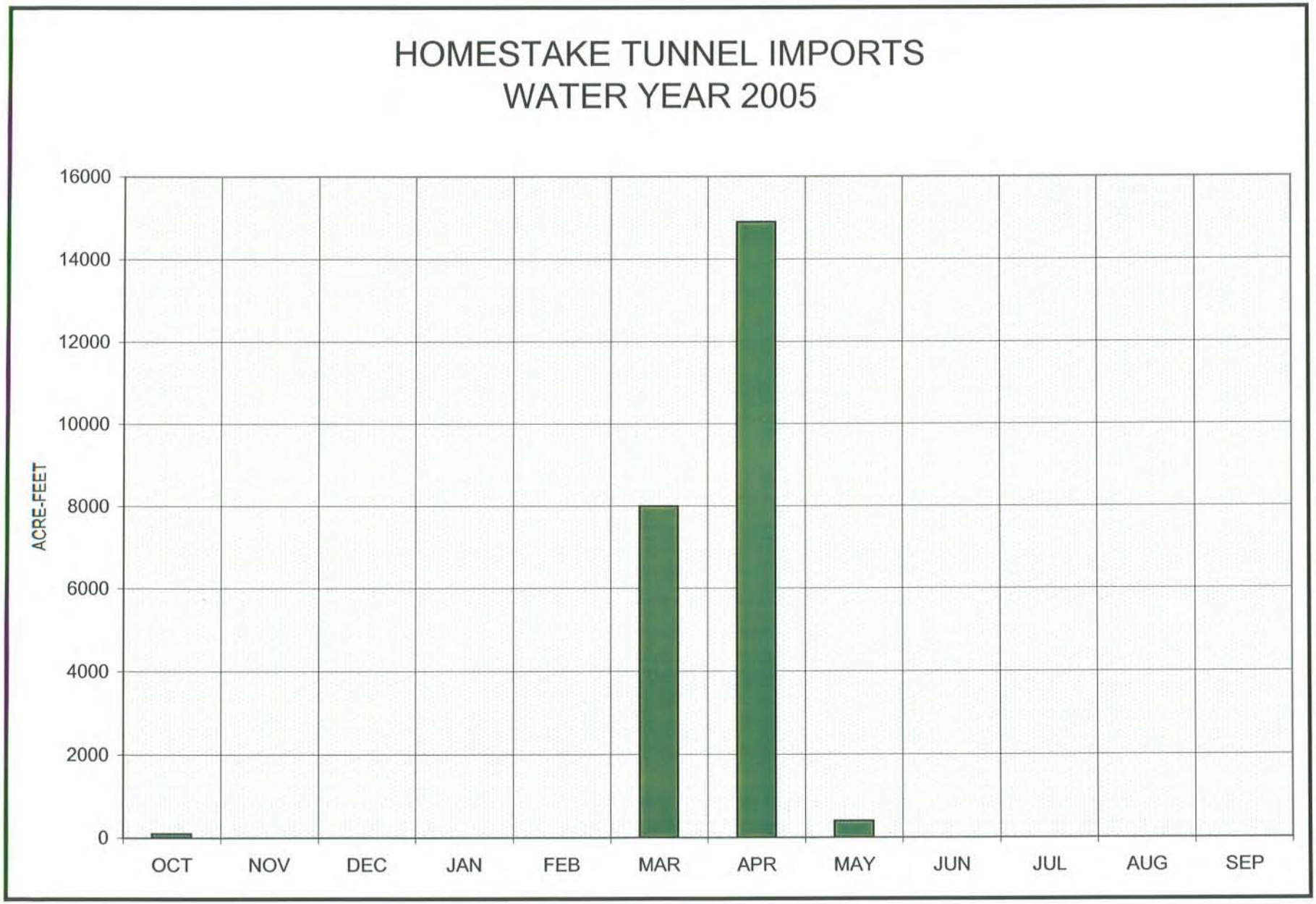

HOMESTAKE TUNNEL IMPORTS
WATER YEAR 2005
ACRE-FEET
16000
14000
12000
10000
8000
6000
4000
2000
0
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP

Exhibit 6

BUSK-IVANHOE TUNNEL IMPORTS
WATER YEAR 2005

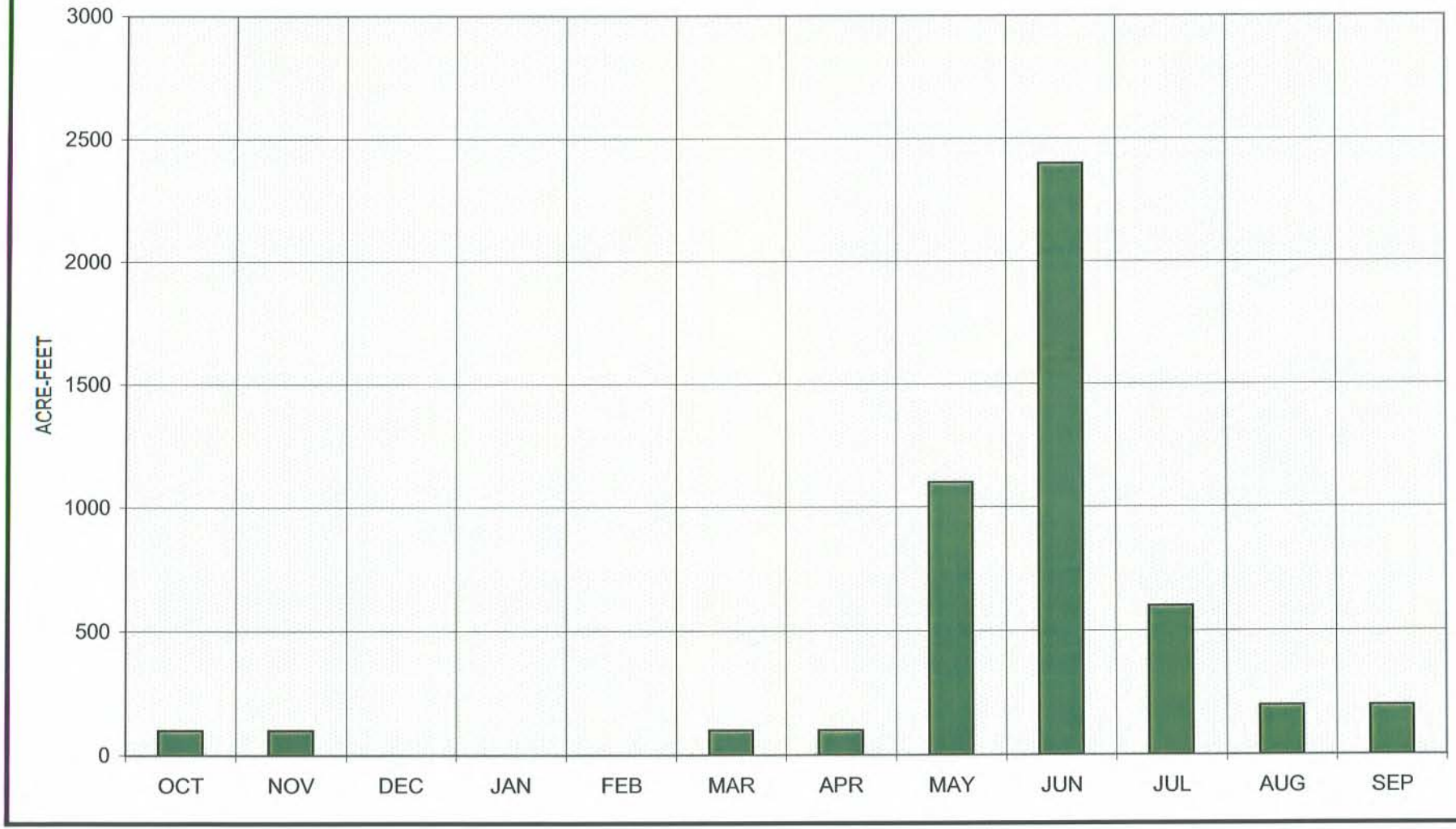


Exhibit 7

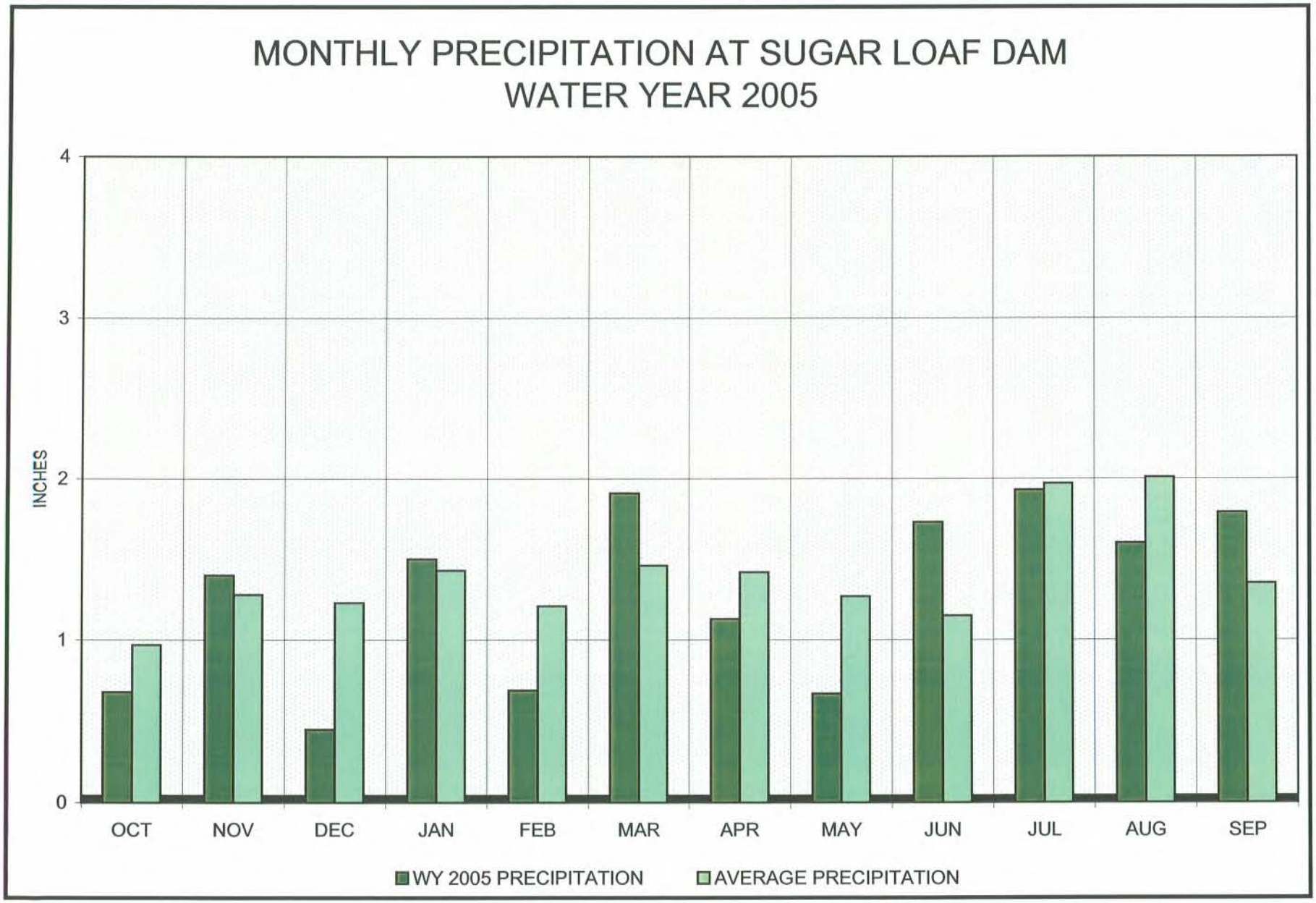

MONTHLY PRECIPITATION AT SUGAR LOAF DAM
WATER YEAR 2005
INCHES
4
3
2
1
0
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
WY 2005 PRECIPITATION
AVERAGE PRECIPITATION

Exhibit 8

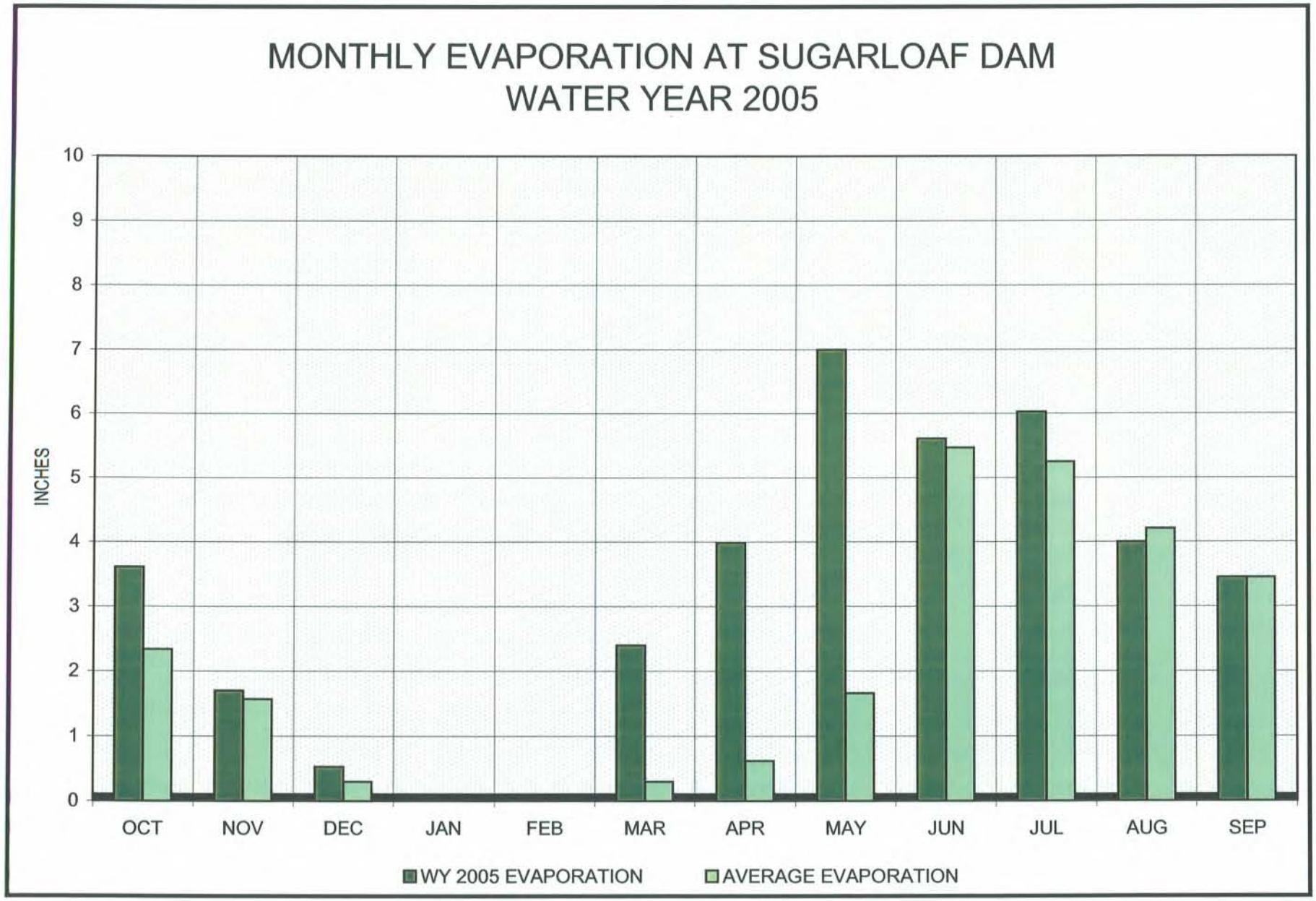

MONTHLY EVAPORATION AT SUGARLOAF DAM
WATER YEAR 2005
INCHES
10
9
8
7
6
5
4
3
2
1
0
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
WY 2005 EVAPORATION
AVERAGE EVAPORATION

Exhibit 9

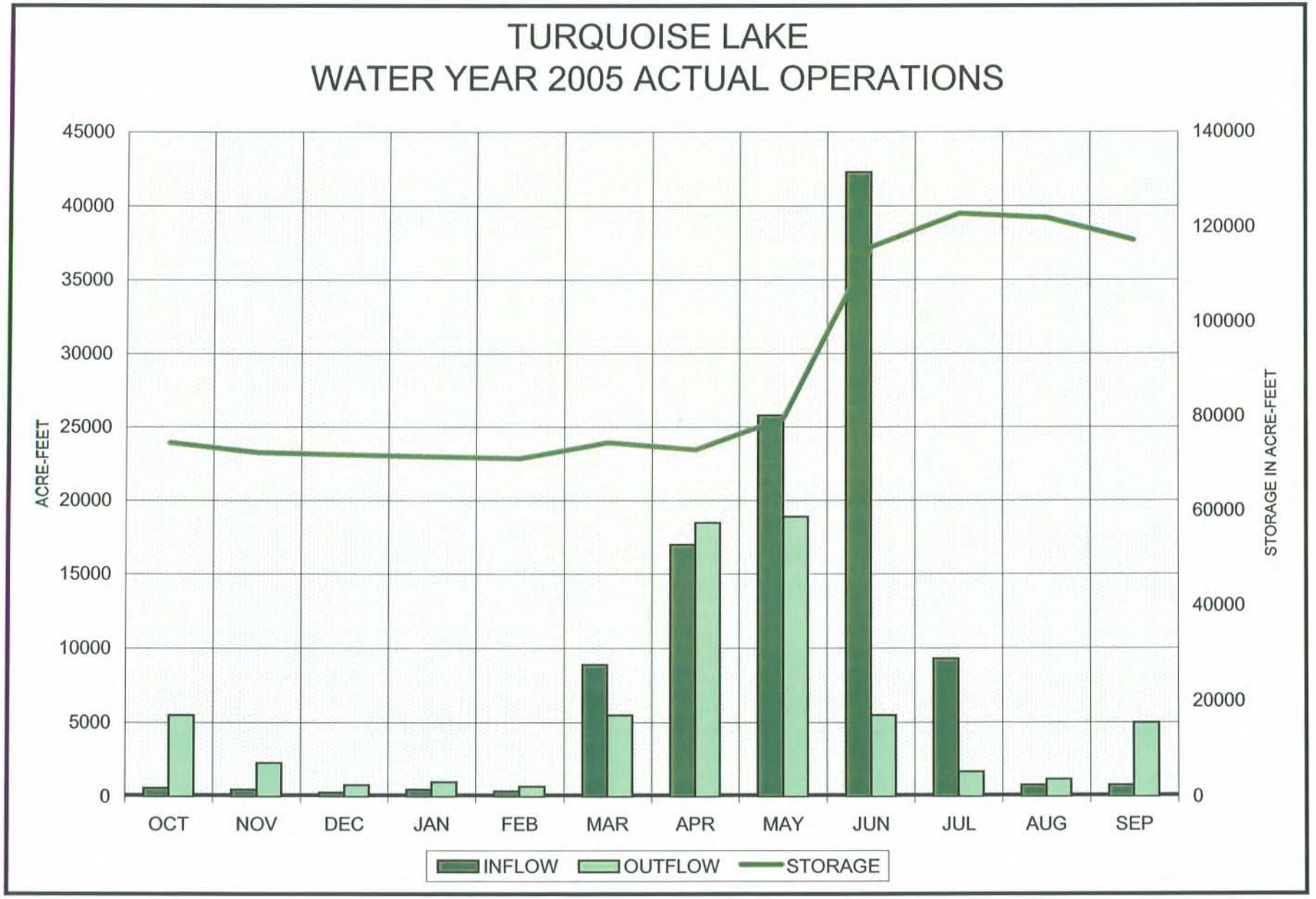

TURQUOISE LAKE
WATER YEAR 2005 ACTUAL OPERATIONS
ACRE-FEET
STORAGE IN ACRE-FEET
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
140000
120000
100000
80000
60000
40000
20000
0
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
INFLOW
OUTFLOW
STORAGE

Exhibit 10

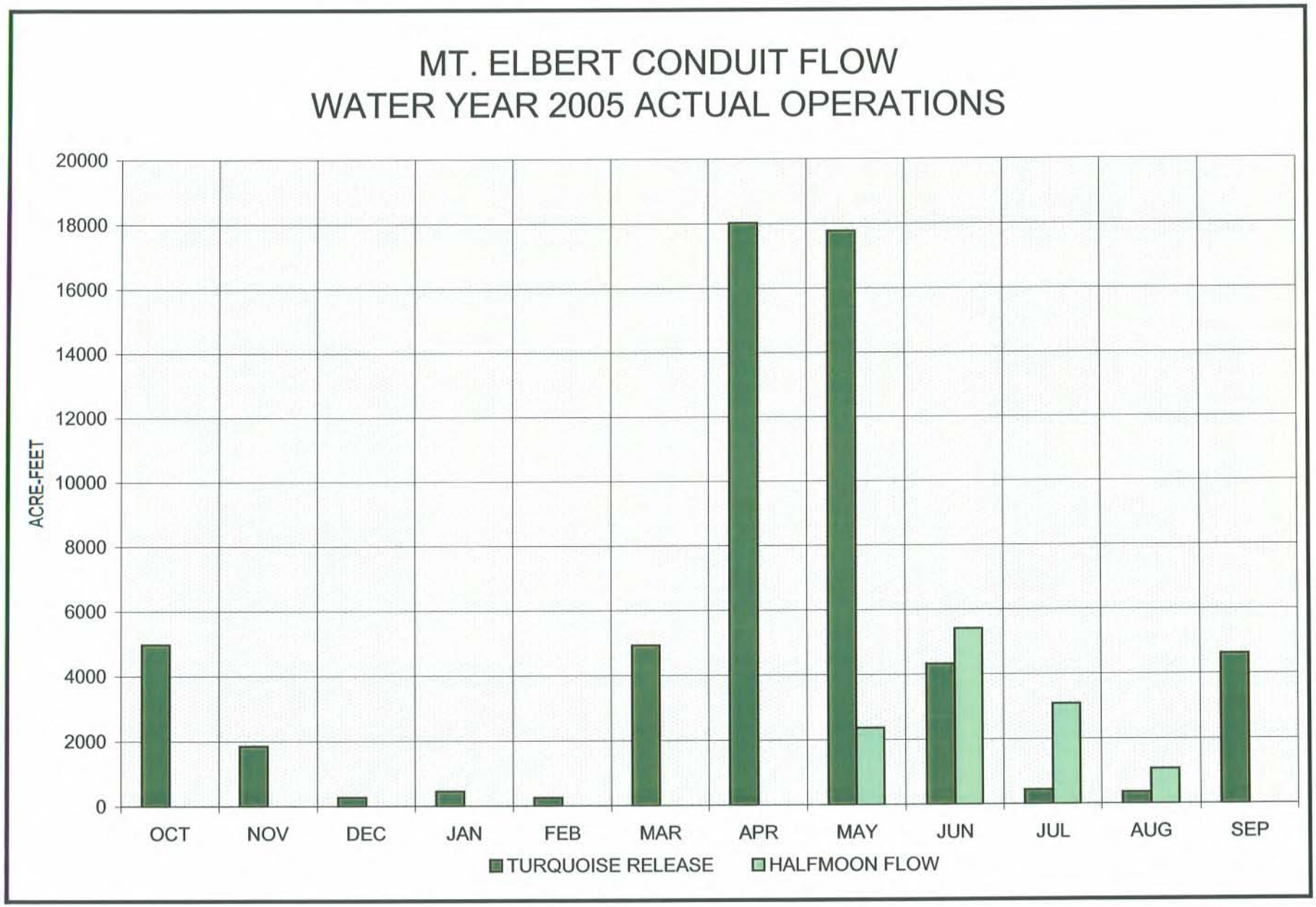

MT. ELBERT CONDUIT FLOW
WATER YEAR 2005 ACTUAL OPERATIONS
ACRE-FEET
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
TURQUOISE RELEASE
HALFMOON FLOW

Exhibit 11

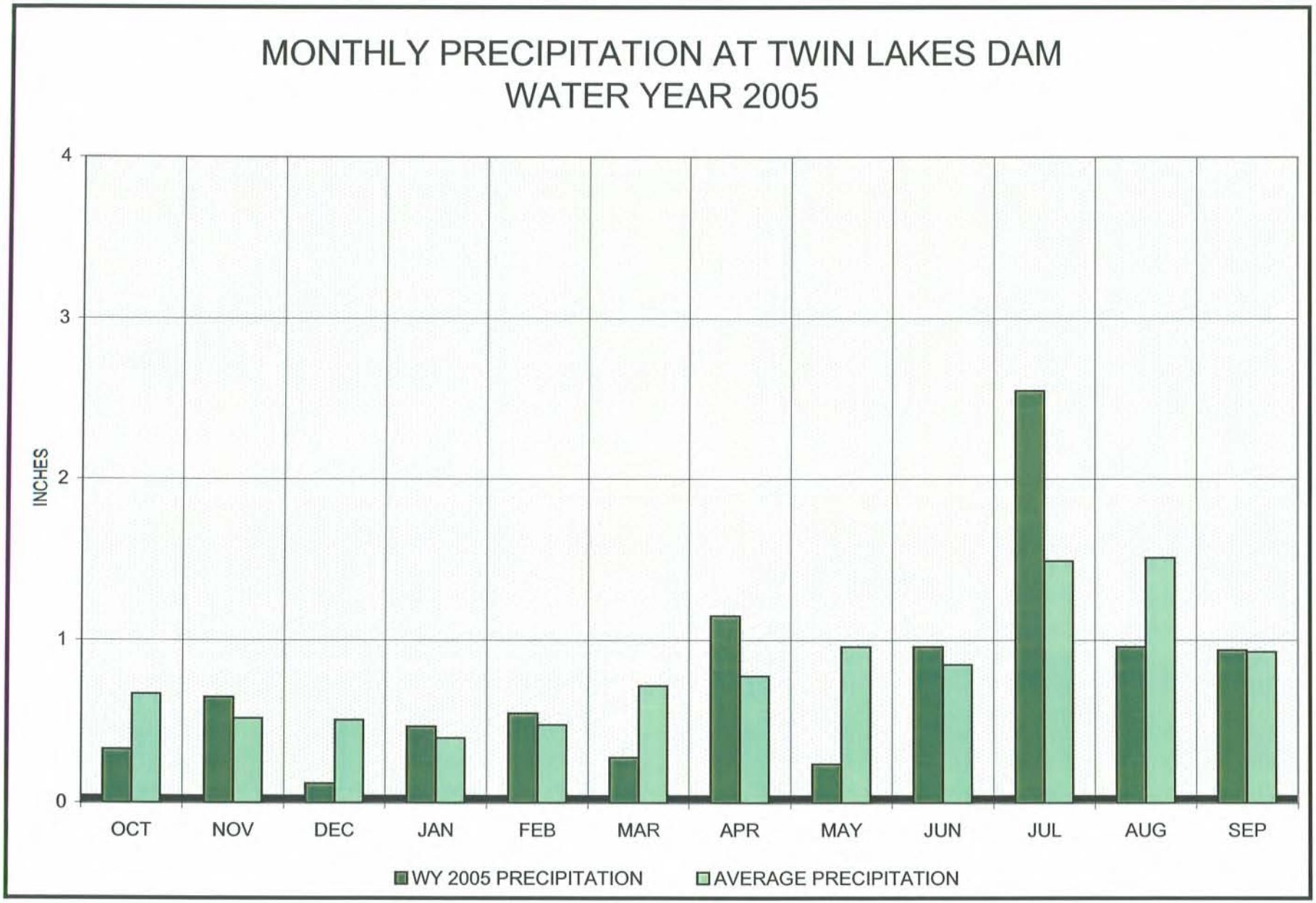

MONTHLY PRECIPITATION AT TWIN LAKES DAM
WATER YEAR 2005
INCHES
0
1
2
3
4
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
WY 2005 PRECIPITATION
AVERAGE PRECIPITATION

Exhibit 12

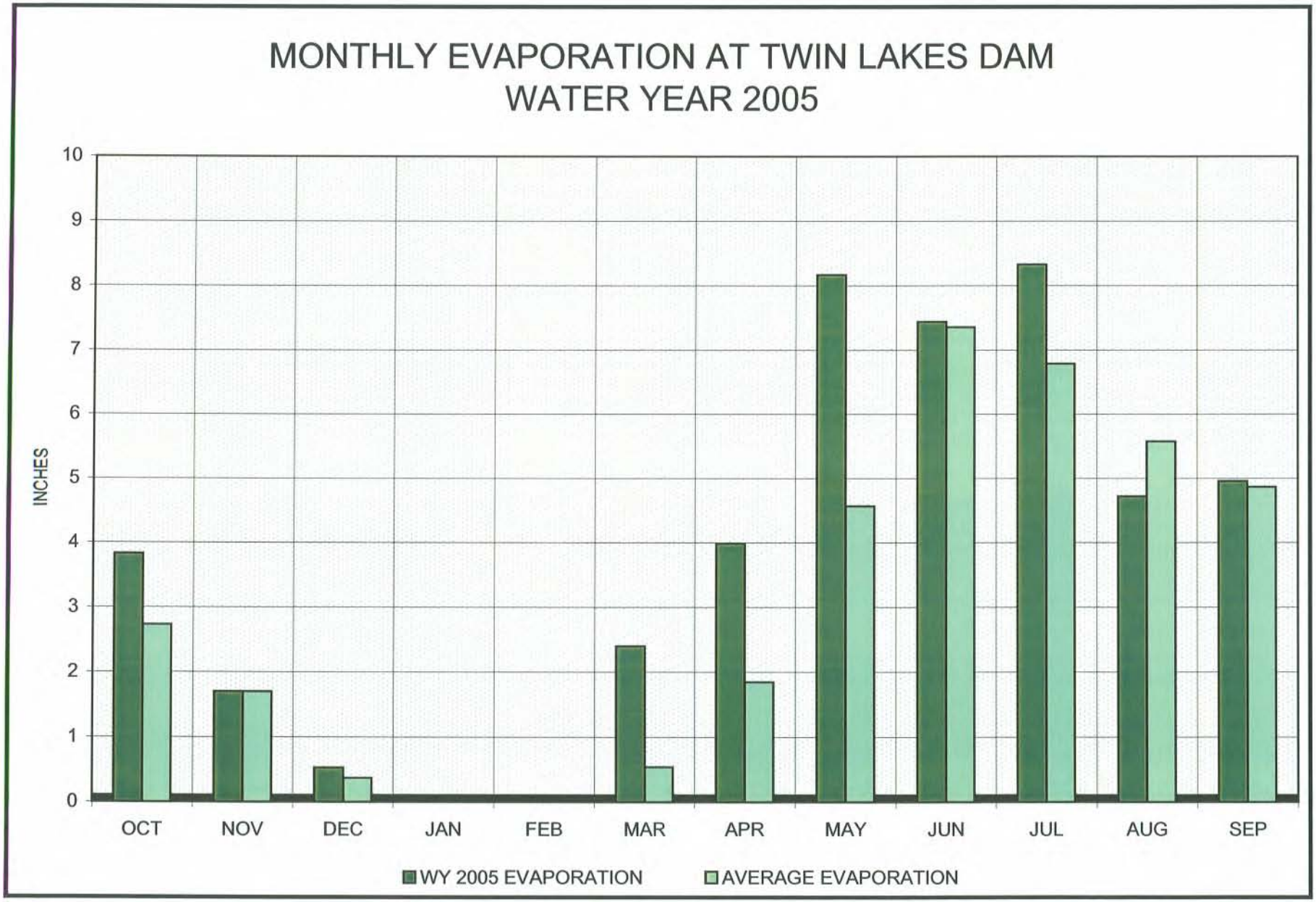

MONTHLY EVAPORATION AT TWIN LAKES DAM
WATER YEAR 2005
INCHES
10
9
8
7
6
5
4
3
2
1
0
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
WY 2005 EVAPORATION
AVERAGE EVAPORATION

Exhibit 13

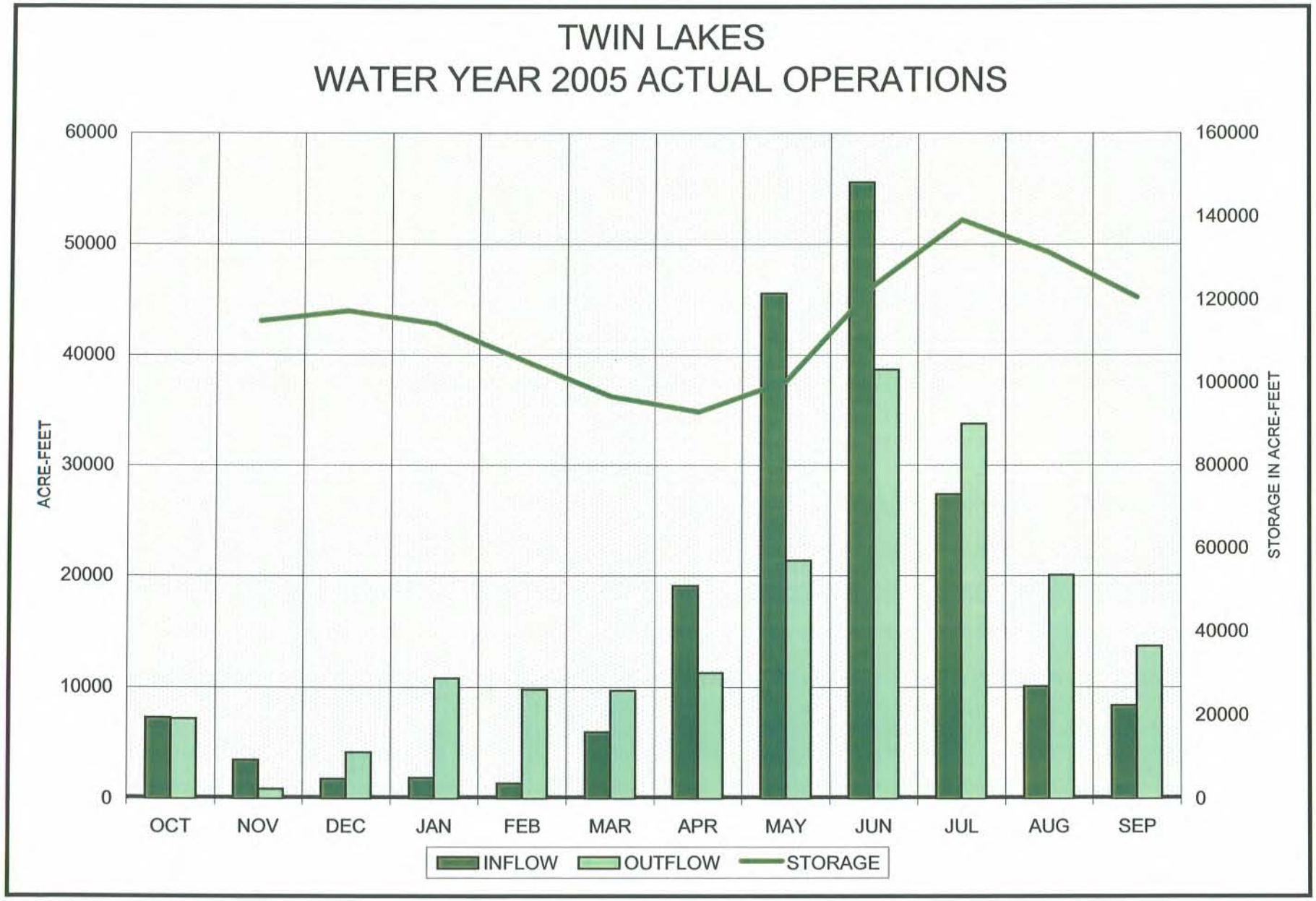

TWIN LAKES
WATER YEAR 2005 ACTUAL OPERATIONS
ACRE-FEET
STORAGE IN ACRE-FEET
60000
50000
40000
30000
20000
10000
0
160000
140000
120000
100000
80000
60000
40000
20000
0
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
INFLOW
OUTFLOW
STORAGE

Exhibit 14

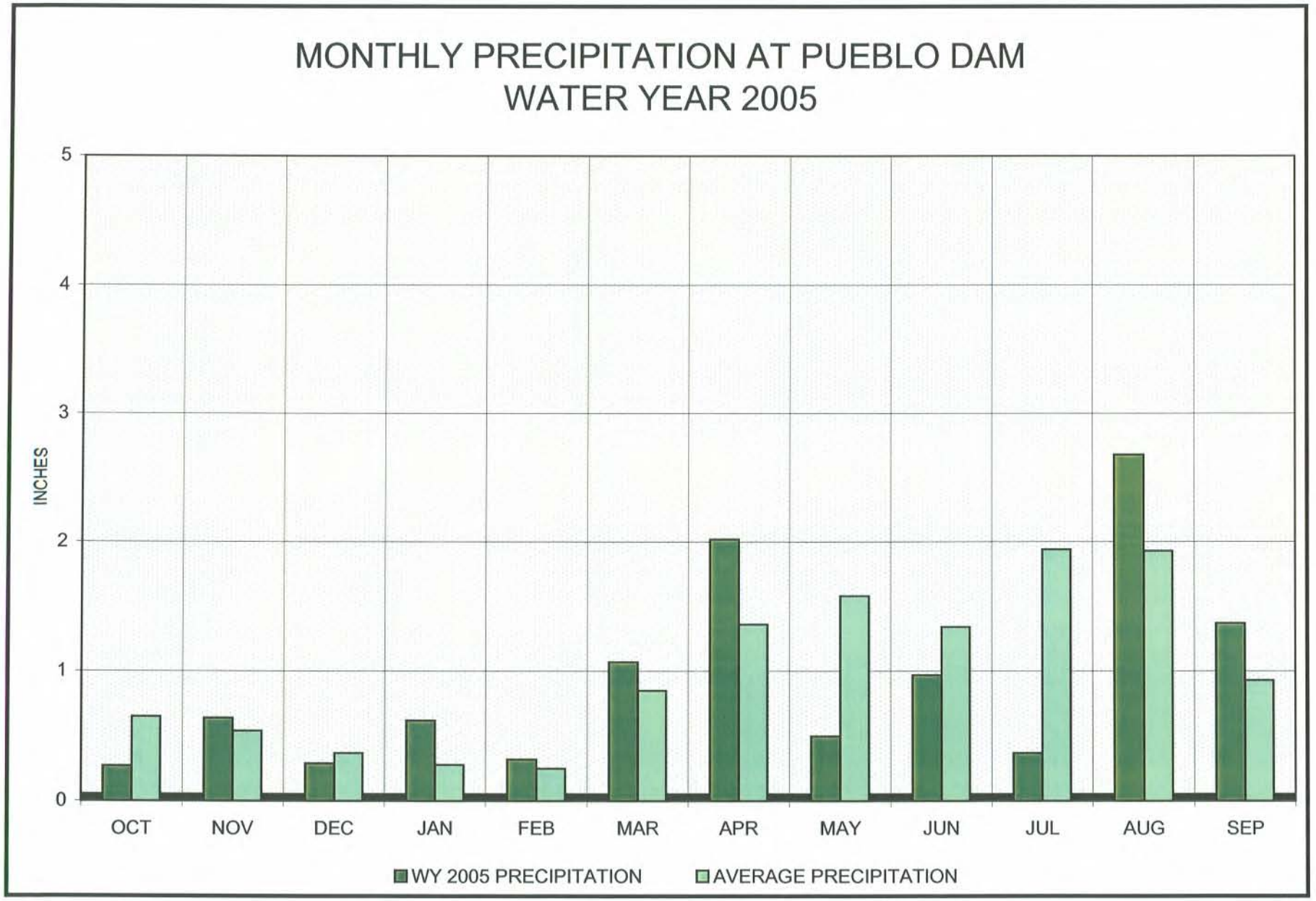

MONTHLY PRECIPITATION AT PUEBLO DAM
WATER YEAR 2005
INCHES
0
1
2
3
4
5
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
WY 2005 PRECIPITATION
AVERAGE PRECIPITATION

Exhibit 15

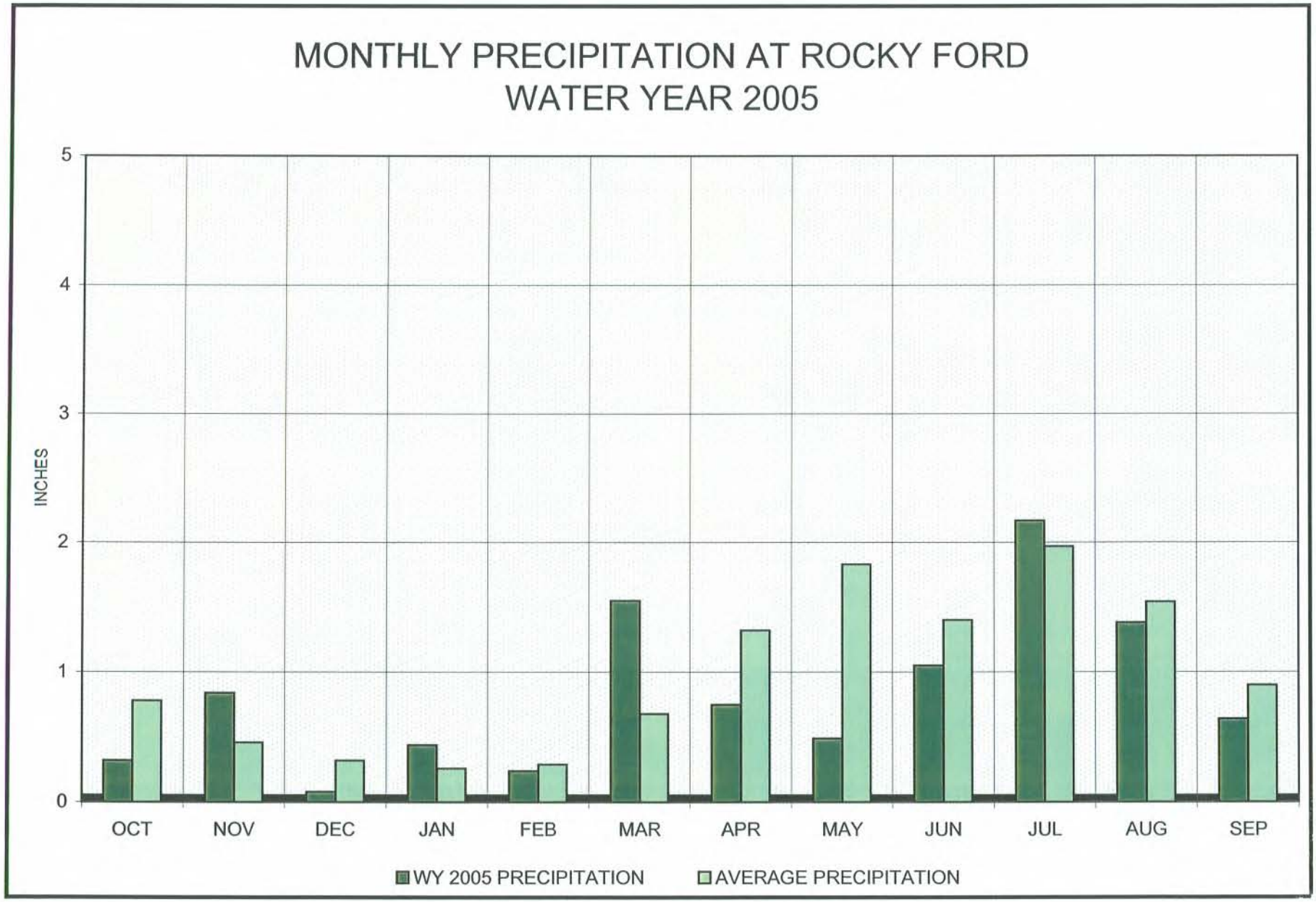

MONTHLY PRECIPITATION AT ROCKY FORD
WATER YEAR 2005
INCHES
5
4
3
2
1
0
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
WY 2005 PRECIPITATION
AVERAGE PRECIPITATION

Exhibit 16

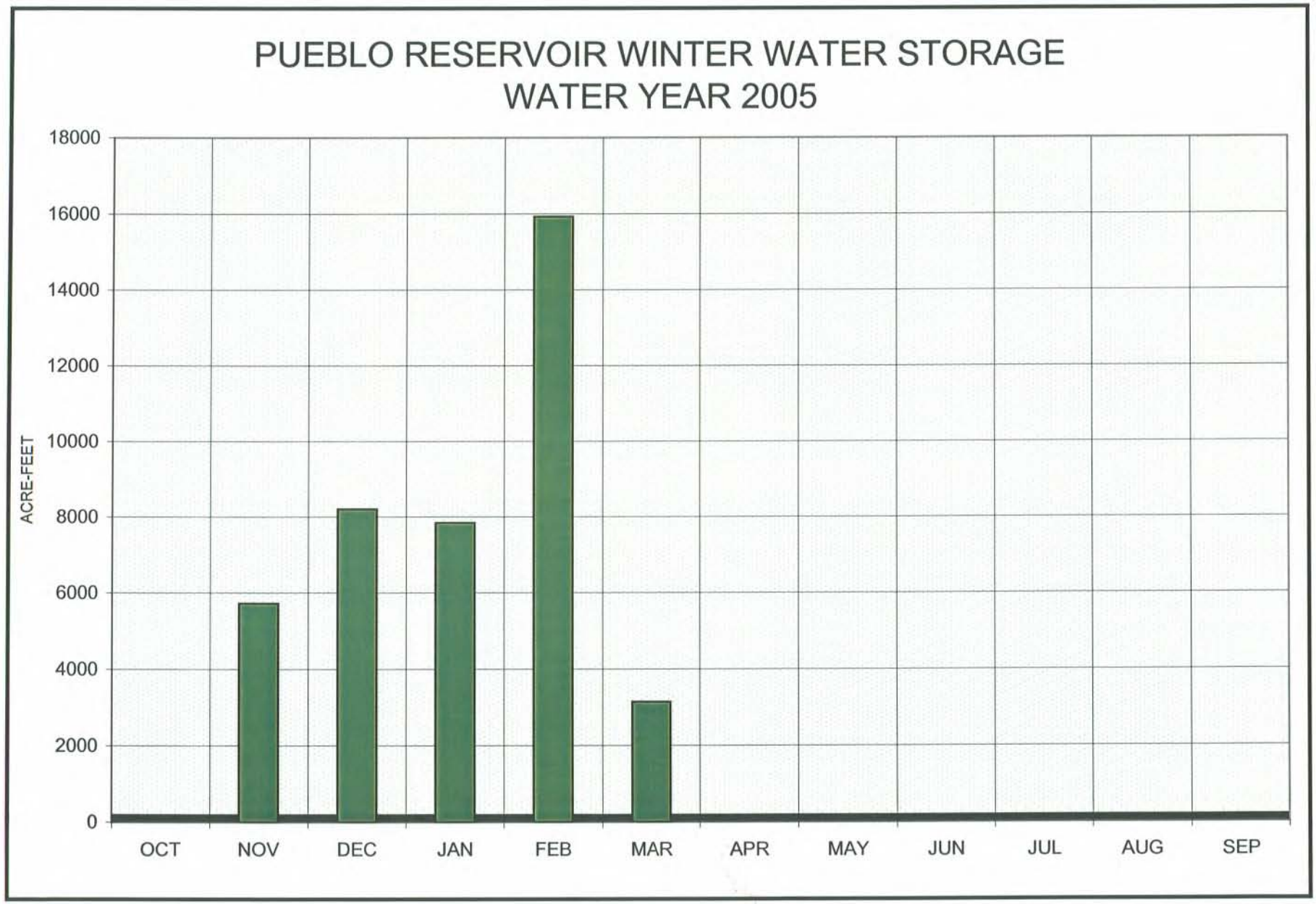

PUEBLO RESERVOIR WINTER WATER STORAGE
WATER YEAR 2005
ACRE-FEET
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP

Exhibit 17

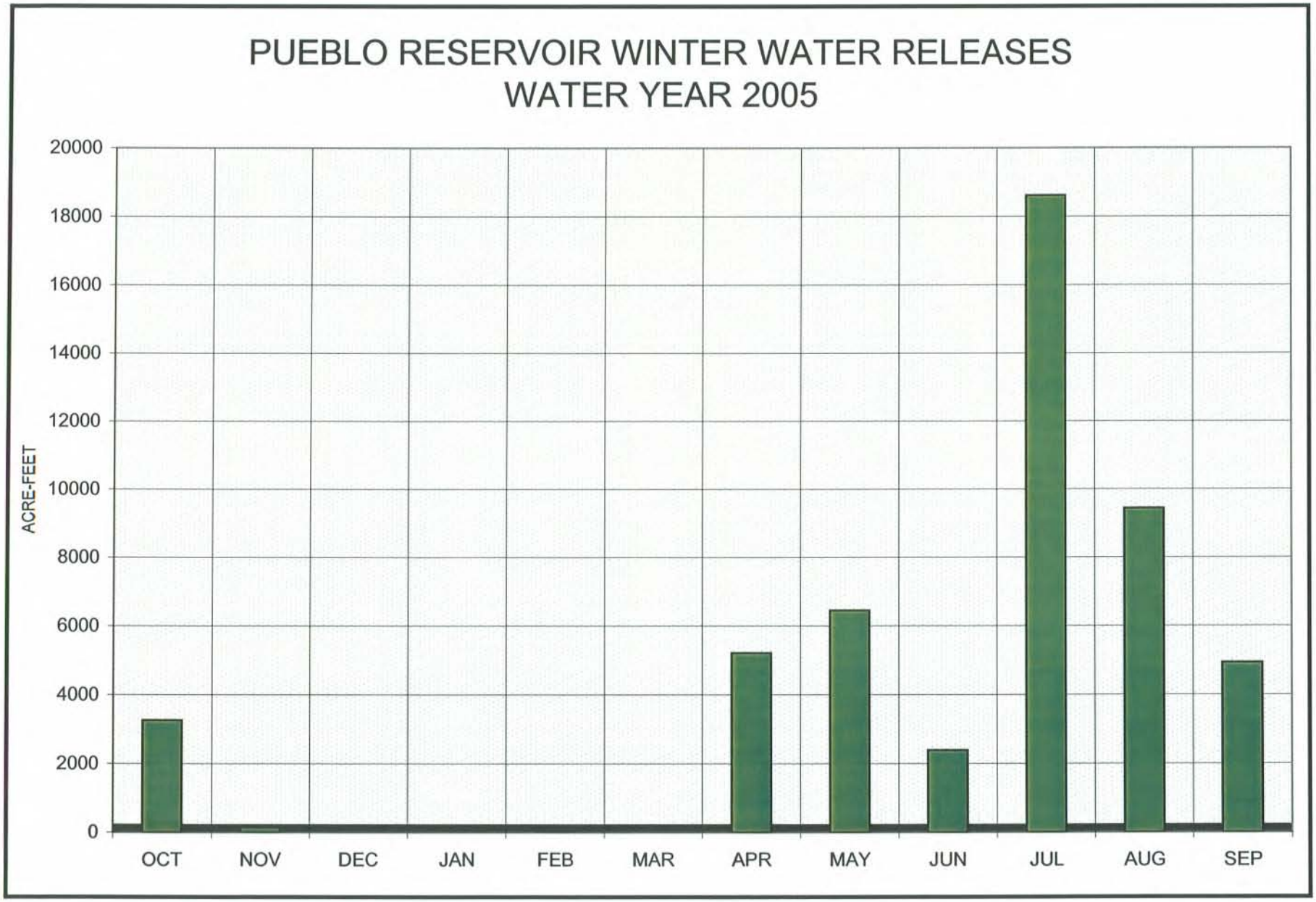

PUEBLO RESERVOIR WINTER WATER RELEASES
WATER YEAR 2005
ACRE-FEET
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP

Exhibit 18

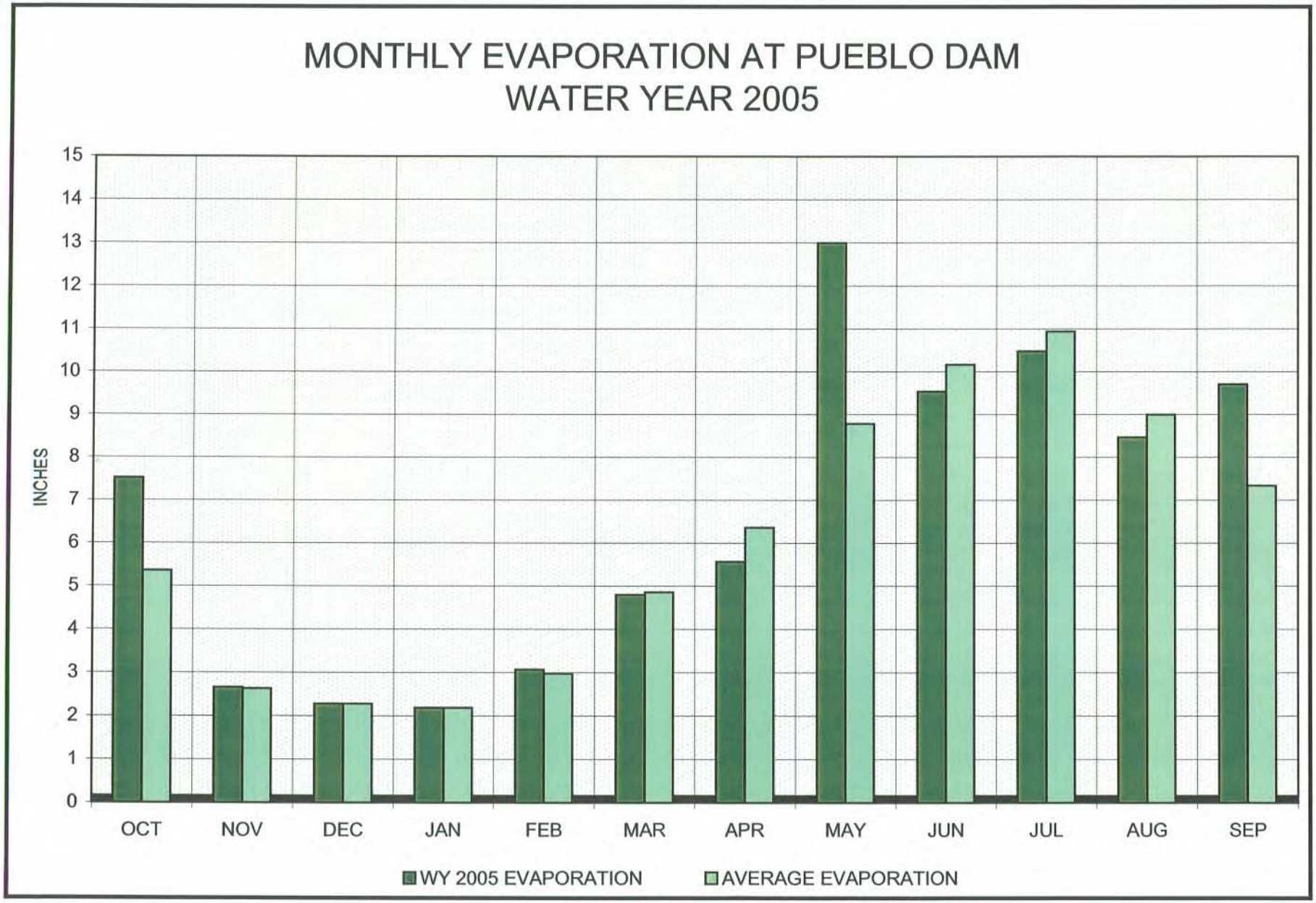

MONTHLY EVAPORATION AT PUEBLO DAM
WATER YEAR 2005
INCHES
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
WY 2005 EVAPORATION
AVERAGE EVAPORATION

Exhibit 19

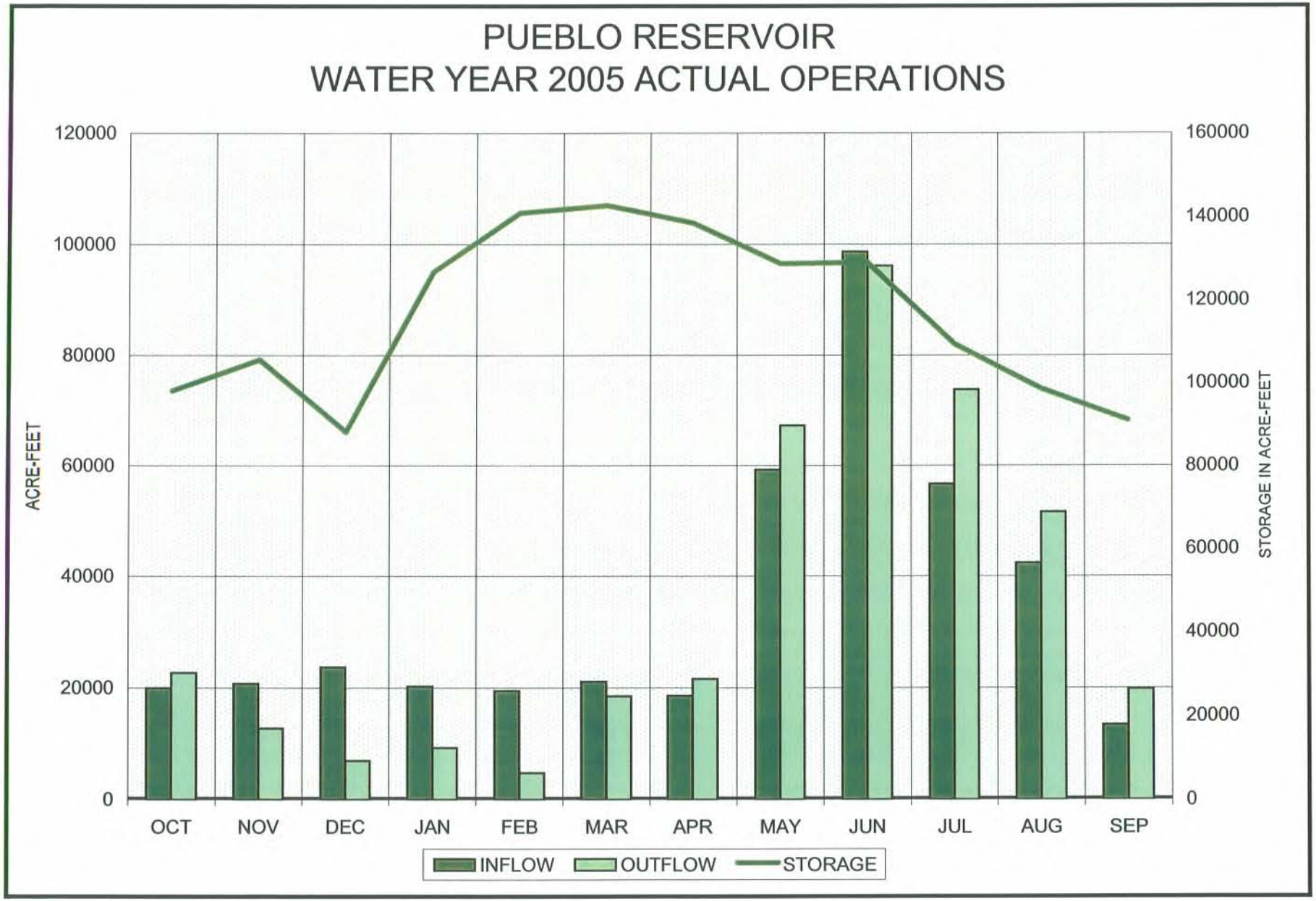

PUEBLO RESERVOIR
WATER YEAR 2005 ACTUAL OPERATIONS
ACRE-FEET
STORAGE IN ACRE-FEET
120000
100000
80000
60000
40000
20000
0
160000
140000
120000
100000
80000
60000
40000
20000
0
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
INFLOW
OUTFLOW
STORAGE

Exhibit 20

PUEBLO RESERVOIR PROJECT WATER RELEASES
WATER YEAR 2005

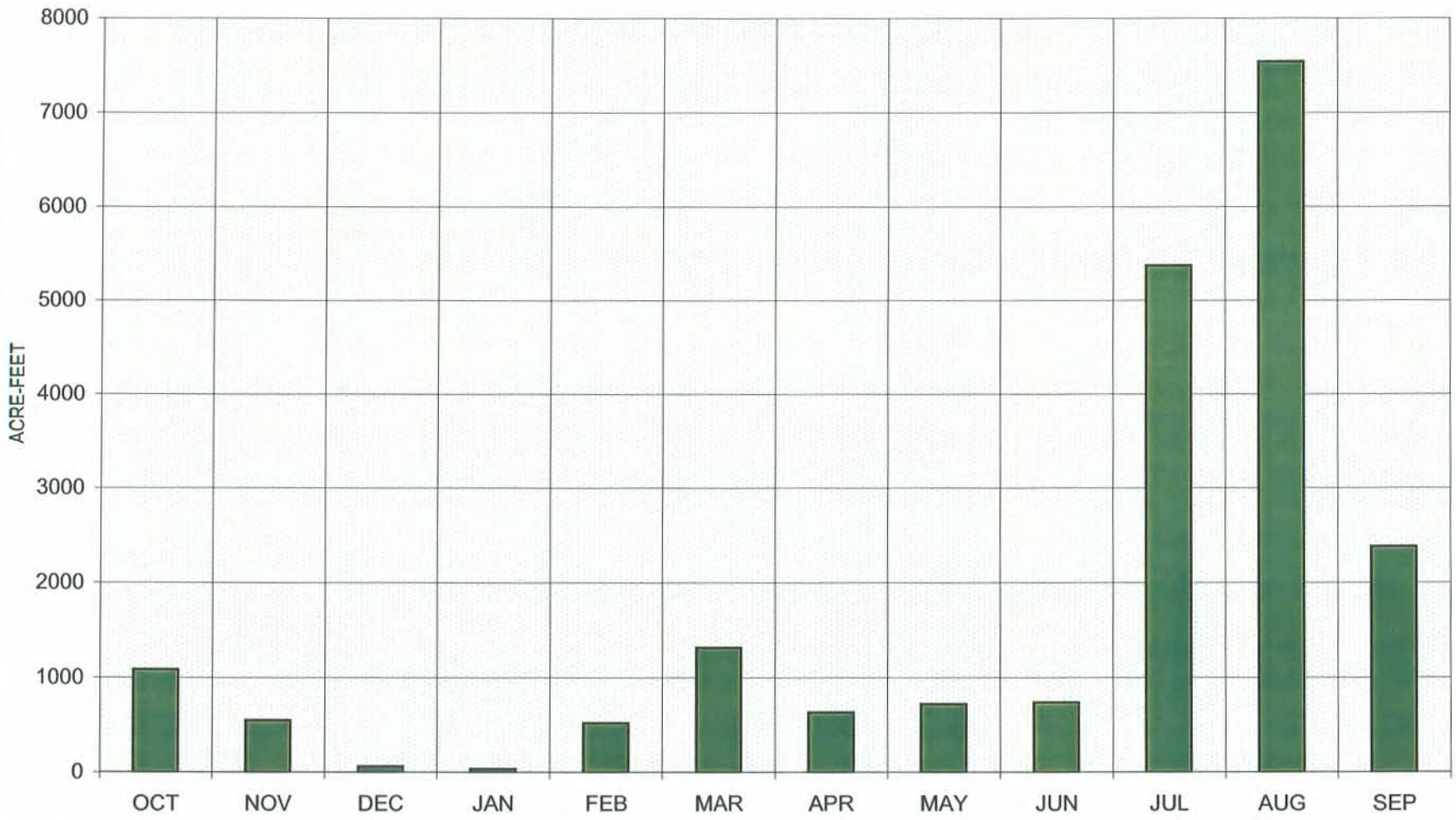


Exhibit 21

OPERATING CRITERIA

1. The water exchange will be implemented October 1 through September 30.

2. The releases to the Roaring Fork River at the Roaring Fork Diversion Dam and Lincoln Creek at the Grizzly Diversion Dam shall be accounted as follows:

Month	Grizzly Diversion(ft^3/s)	Roaring Fork Diversion(ft3/s)
October	3.0	4.0
November	3.0	0.0
December	3.0	0.0
January	3.0	0.0
February	3.0	0.0
March	3.0	0.0
April	3.0	0.0
May	3.0	1.0
June	2.0	1.5
July	2.0	1.5
August	3.0	4.0
September	3.0	4.0

3. At any time the Twin Lakes Reservoir and Canal Company (Company) is bypassing water, in addition to that designated above, it will be assumed that the Company could not have diverted that water and will not receive any credit for exchange in excess of the above amounts.

4. In the event less water than the above amounts is bypassed, only the amount actually bypassed will be credited.

5. The total volume of the release at both gages combined shall not exceed 3,000 acre-feet in any one water year.

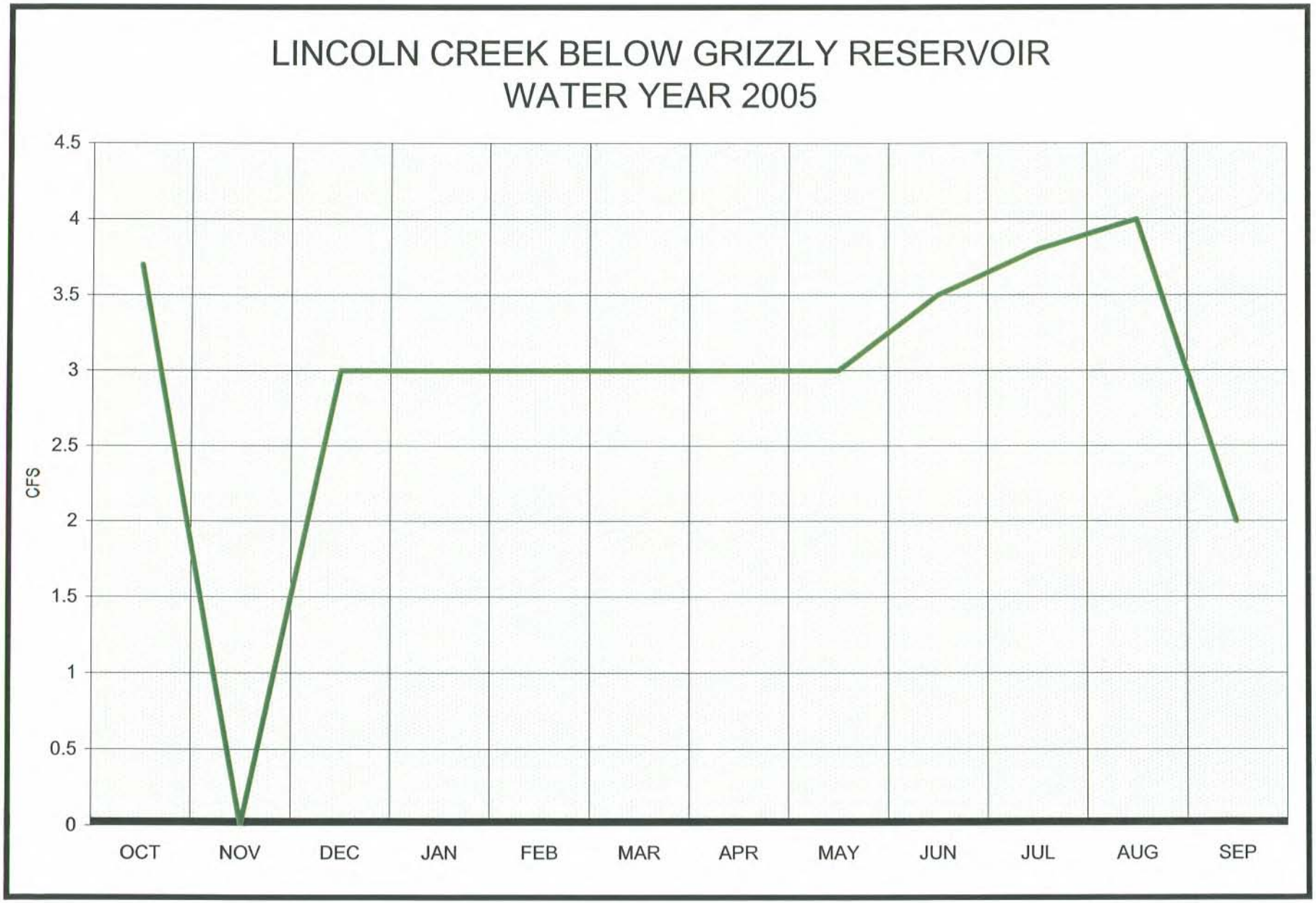
6. No credit for exchange will be made on days when there is no documentation of such bypasses.

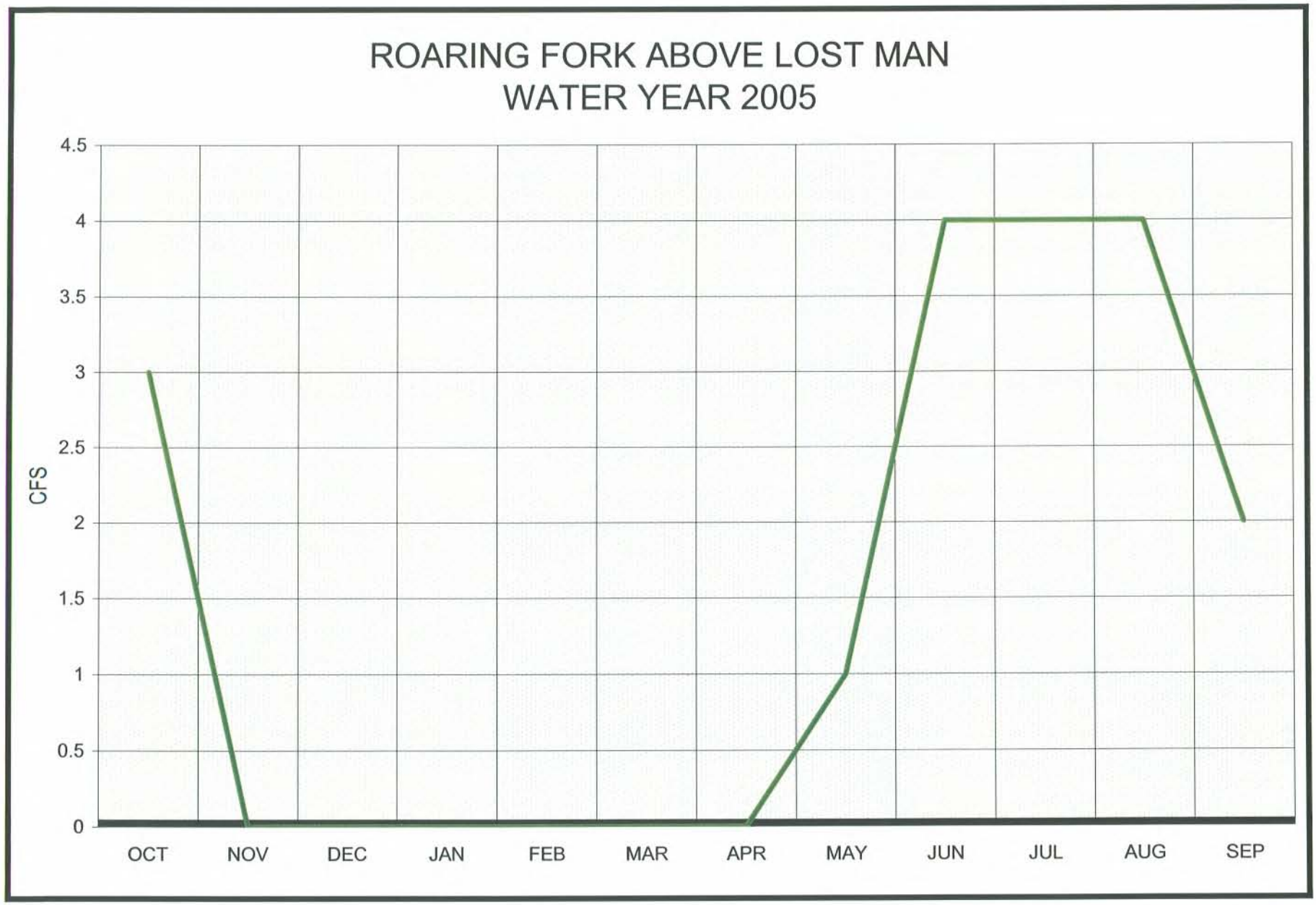
7. No credit will be given for water bypassed when diversions are called out by the State Engineer.

Twin Lakes Reservoir and Canal Company Exchange
with Fryingpan-Arkansas Project Water
2004-2005
Units = Acre-Feet

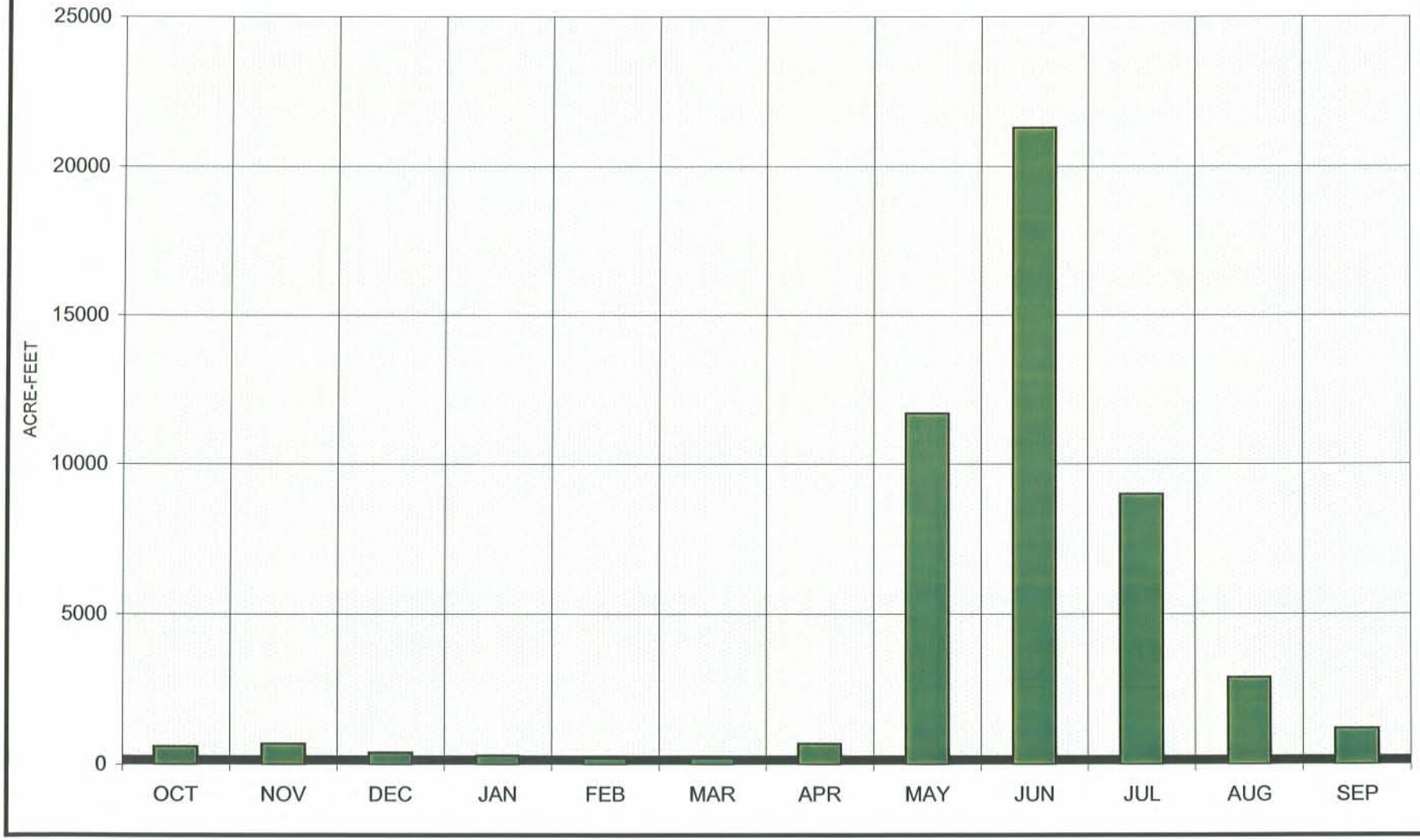
	Lincoln Creek below Grizzly Reservoir (1)	Roaring Fork River above Lost Man Creek (2)	Total (1 + 2) (3)	Twin Lakes Storage (3) x 0.9913' (4)
October	130	156	286	283
November	165	0	165	164
December	171	0	171	170
January	174	0	174	172
February	158	0	158	157
March	183	0	183	182
April	174	0	174	172
May	171	26	197	195
June	201	201	402	398
July	231	233	464	459
August	235	184	419	416
September	109	98	207	206
Total	2,102	898	3,000	2,974

.87% transit loss from the outlet of Twin Lakes Tunnel to Twin Lakes normally taken on all Twin Lakes Reservoir and Canal Company imported water.

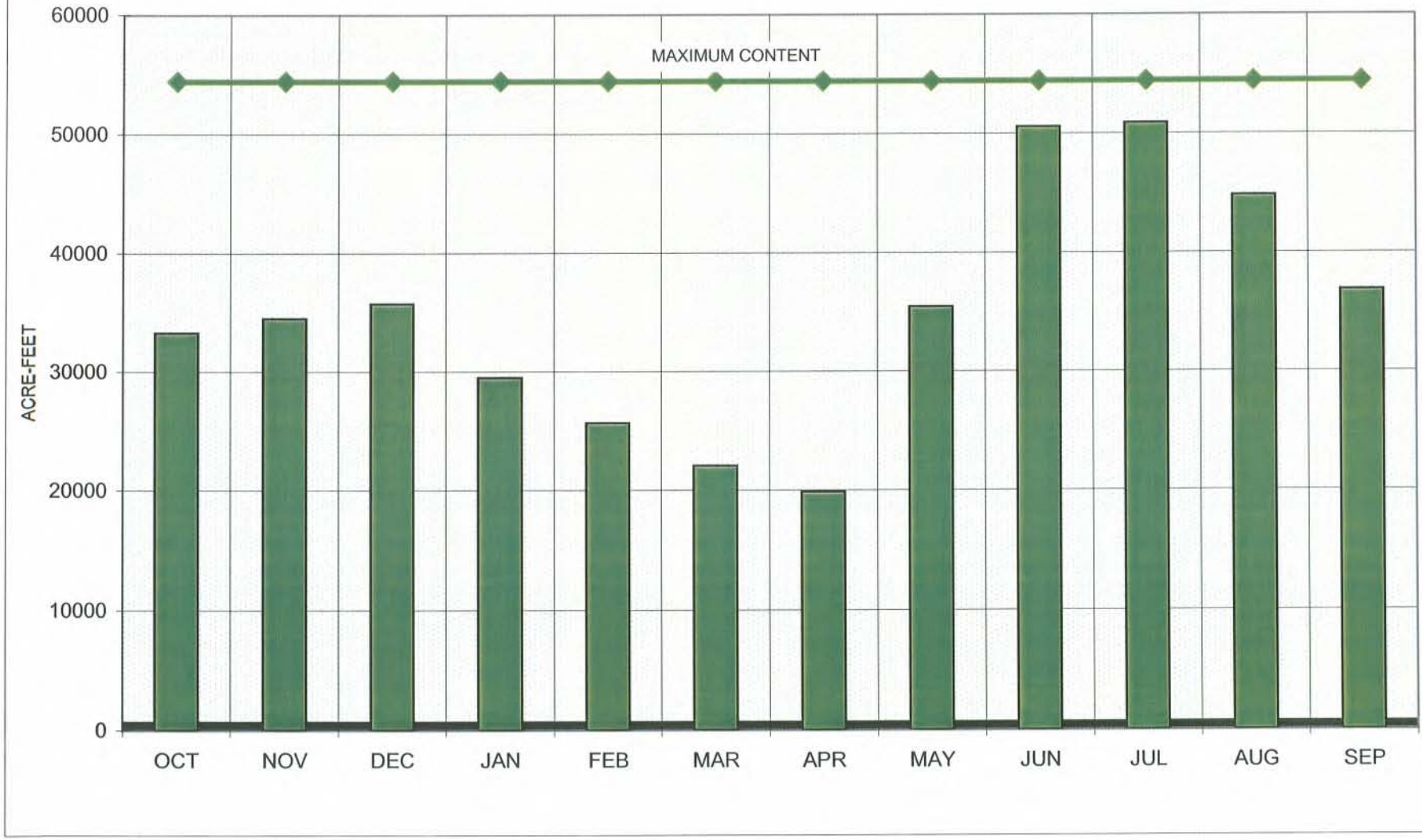

LINCOLN CREEK BELOW GRIZZLY RESERVOIR
WATER YEAR 2005
CFS
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP


ROARING FORK ABOVE LOST MAN
WATER YEAR 2005
CFS
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP

TWIN LAKES TUNNEL IMPORTS
WATER YEAR 2005



TWIN LAKES CANAL COMPANY STORAGE
WATER YEAR 2005



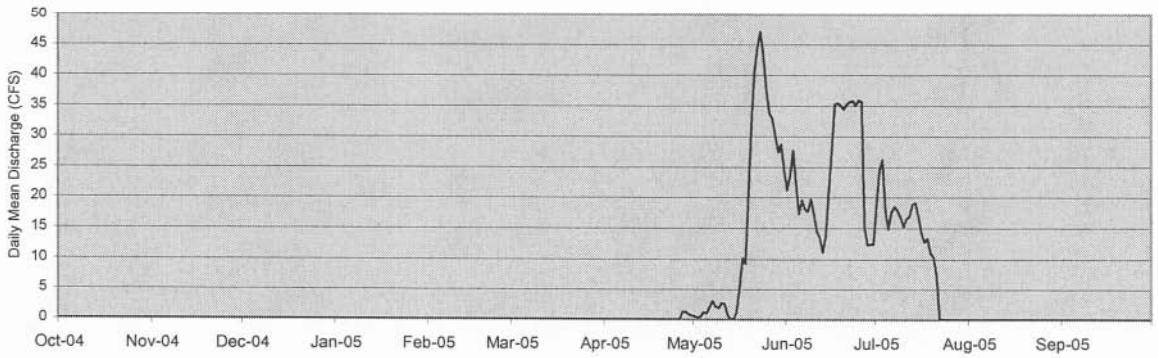
Appendix D (1 of 15)
Carter Creek Feeder Conduit near Norrie, CO

Location. --Lat 39°22'00", long 106°32'40", Eagle County, Hydrologic Unit 14010004, on left bank at concrete diversion structure, and 6.7 mi northeast of Norrie, and 0.6 mi above confluence with North Fork Fryingpan River.
Gage.—Water-stage recorder and standard 8 foot suppressed rectangular weir. Elevation of gage is 10,125 ft from topographic imp.
Remarks.—This is a trans-mountain diversion from Carter Creek in the Roaring Fork Basin throu [8]h the Fryingpan-Arkansas Project Collection system and Charles H. Boustead tunnel to the Arkansas River basin. Diversion began 27-April-2005 and ceased 21-July-2005. Recorder was operated 12-April-2005 through 11-August-2005. Record is complete and reliable.

Discharge, Cubic Feet Per Second, Daily Mean Values

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	------	------	------	------	------	------	------	1	21	19	0	------
2	------	------	------	------	------	------	------	0	24	25	0	------
3	------	------	------	------	------	------	------	0	28	26	0	------
4	------	------	------	------	------	------	------	1	22	18	0	------
5	------	------	------	------	------	------	------	1	17	15	0	------
6	------	------	------	------	------	------	------	2	20	18	0	------
7	------	------	------	------	------	------	------	3	18	19	0	------
8	------	------	------	------	------	------	------	2	18	18	0	------
9	------	------	------	------	------	------	------	2	20	17	0	------
10	------	------	------	------	------	------	------	3	17	15	0	------
11	------	------	------	------	------	------	------	3	15	17	0	------
12	------	------	------	------	------	------	0	1	13	17	------	------
13	------	------	------	------	------	------	0	0	11	19	------	------
14	------	------	------	------	------	------	0	0	14	19	------	------
15	------	------	------	------	------	------	0	1	21	17	------	------
16	------	------	------	------	------	------	0	5	28	14	------	------
17	------	------	------	------	------	------	0	10	35	13	------	------
18	------	------	------	------	------	------	0	9	36	13	------	------
19	------	------	------	------	------	------	0	21	35	11	------	------
20	------	------	------	------	------	------	0	32	34	10	------	------
21	------	------	------	------	------	------	0	40	35	7	------	------
22	------	------	------	------	------	------	0	45	36	0	------	------
23	------	------	------	------	------	------	0	47	36	0	------	------
24	------	------	------	------	------	------	0	43	35	0	------	------
25	------	------	------	------	------	------	0	38	36	0	------	------
26	------	------	------	------	------	------	0	34	36	0	------	------
27	------	------	------	------	------	------	1	33	15	0	------	------
28	------	------	------	------	------	------	1	30	12	0	------	------
29	------	------	------	------		------	1	27	12	0	------	------
30	------	------	------	------		------	1	29	12	0	------	------
31	------		------	------		------		24		0	------	
Min	0	0	0	0	0	0	0	0	11	0	0	0
Max	0	0	0	0	0	0	1	47	36	26	0	0
Mon Mean	0	0	0	0	0	0	0	16	24	11	0	0
Div Mean	0	0	0	0	0	0	1	17	24	16	0	0
Ac-Ft	0	0	0	0	0	0	8	966	1411	684	0	0

Water Year total – 3069Ac-Ft, Maximum Discharge 55.9 CFS at 0045 hours, 23-May-2005, Monthly Mean is average of all recorded values, Diversion Mean is average of all recorded values above zero, ----- indicates no data were collected.



Appendix **D** (2 **of 15)**

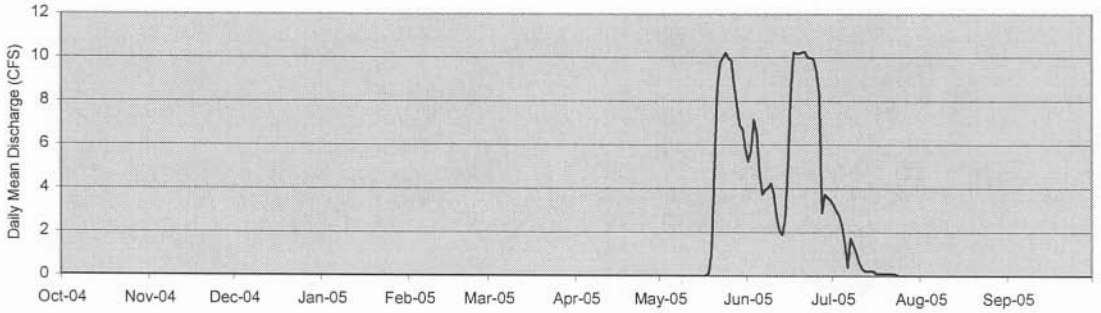
North Fork Fryingpan River Feeder Conduit near Norrie, CO

Location. --Lat 39°21'42", long 106°32'16", Eagle County, Hydrologic Unit 14010004, on left bank at concrete diversion structure, and 6.7 mi northeast of Norrie, and 0.2 mi above confluence with Mormon Creek.
Gage.—Water-stage recorder and standard 6 foot suppressed rectangular weir. Elevation of gage is 10,200 feet from topographic map.
Remarks.—This is a trans-mountain diversion from the North Fork Fryingpan River in the Roaring Fork Basin through the Fryingpan-Arkansas Project Collection system and Charles H. Boustead tunnel to the Arkansas River basin. Diversion began 19-May-2005 and ceased 10-July-2005. Recorder was operated 12-April-2005 through 12-August-2005. Record is complete and reliable.

Discharge, Cubic Feet Per Second, Daily Mean Values

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	------	------	------	------	------	------	------	0	5	3	0	------
2	------	------	------	------	------	------	------	0	6	3	0	------
3	------	------	------	------	------	------	------	0	7	3	0	------
4	------	------	------	------	------	------	------	0	7	2	0	------
5	------	------	------	------	------	------	------	0	5	2	0	------
6	------	------	------	------	------	------	------	0	4	0	0	------
7	------	------	------	------	------	------	------	0	4	2	0	------
8	------	------	------	------	------	------	------	0	4	1	0	------
9	------	------	------	------	------	------	------	0	4	1	0	------
10	------	------	------	------	------	------	------	0	4	1	0	------
11	------	------	------	------	------	------	------	0	3	0	0	------
12	------	------	------	------	------	------	0	0	2	0	0	------
13	------	------	------	------	------	------	0	0	2	0	------	------
14	------	------	------	------	------	------	0	0	3	0	------	------
15	------	------	------	------	------	------	0	0	5	0	------	------
16	------	------	------	------	------	------	0	0	8	0	------	------
17	------	------	------	------	------	------	0	0	10	0	------	------
18	------	------	------	------	------	------	0	0	10	0	------	------
19	------	------	------	------	------	------	0	1	10	0	------	------
20	------	------	------	------	------	------	0	5	10	0	------	------
21	------	------	------	------	------	------	0	9	10	0	------	------
22	------	------	------	------	------	------	0	10	10	0	------	------
23	------	------	------	------	------	------	0	10	10	0	------	------
24	------	------	------	------	------	------	0	10	10	0	------	------
25	------	------	------	------	------	------	0	10	9	0	------	------
26	------	------	------	------	------	------	0	10	8	0	------	------
27	------	------	------	------	------	------	0	9	3	0	------	------
28	------	------	------	------	------	------	0	8	4	0	------	------
29	------	------	------	------		------	0	7	4	0	------	------
30	------	------	------	------		------	0	7	3	0	------	------
31	------		------	------		------	0	6		0	------	
Min	0	0	0	0	0	0	0	1	2	0	0	0
Max	0	0	0	0	0	0	0	10	10	3	0	0
Mon Mean	0	0	0	0	0	0	0	8	6	1	0	0
Div Mean	0	0	0	0	0	0	0	8	6	2	0	0
Ac-Ft	0	0	0	0	0	0	0	198	365	40	0	0

Water Year total – 603 Ac-Ft, Maximum Discharge 11 CFS at 0630 hours, 24-May-2005
Monthly Mean is average of all recorded values, Diversion Mean is average of all recorded values above zero, ------ indicates no data were collected



Appendix **D** (3 **of 15)**

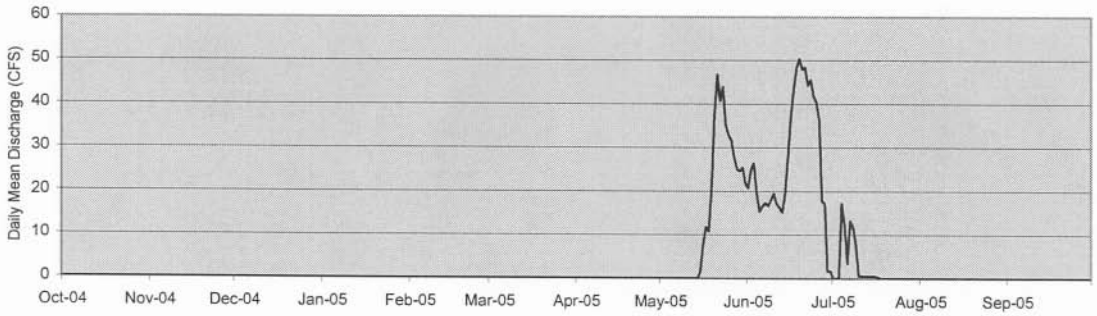
Mormon Creek Feeder Conduit near Norrie, CO

Location. --Lat 39°21'19", long 106°32'02", Pitkin County, Hydrologic Unit 14010004, on left bank at concrete diversion structure, 0.5 mi upstream from unnamed tributary, 1.0 mi above Carter Creek and 6.8 mi northeast of Non-ie.
Gage.—Water-stage recorder and standard 5 foot suppressed rectangular weir. Elevation of gage is 10,090 ft from topographic map.
Remarks.—This is a trans-mountain diversion from Mormon Creek in the Roaring Fork Basin through the Fryingpan-Arkansas Project Collection system and Charles H. Boustead tunnel to the Arkansas River basin. Diversion began 15-May-2005 and ceased 15-July-2005. Recorder was operated 12-April-2005 through I2-August-2005. Record is complete and reliable.

Discharge, Cubic Feet Per Second, Daily Mean Values

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	------	------	------	------	------	------	------	0	21	14	0	------
2	------	------	------	------	------	------	------	0	25	21	0	------
3	------	------	------	------	------	------	------	0	26	21	0	------
4	------	------	------	------	------	------	------	0	20	20	0	------
5	------	------	------	------	------	------	------	0	15	12	0	------
6	------	------	------	------	------	------	------	0	16	3	0	------
7	------	------	------	------	------	------	------	0	17	13	0	------
8	------	------	------	------	------	------	------	0	17	12	0	------
9	------	------	------	------	------	------	------	0	18	8	0	------
10	------	------	------	------	------	------	------	0	20	1	0	------
11	------	------	------	------	------	------	------	0	17	1	0	------
12	------	------	------	------	------	------	0	0	16	1	0	------
13	------	------	------	------	------	------	0	0	15	1	------	------
14	------	------	------	------	------	------	0	0	19	1	------	------
15	------	------	------	------	------	------	0	2	28	1	------	------
16	------	------	------	------	------	------	0	7	37	0	------	------
17	------	------	------	------	------	------	0	12	43	0	------	------
18	------	------	------	------	------	------	0	11	48	0	------	------
19	------	------	------	------	------	------	0	20	50	0	------	------
20	------	------	------	------	------	------	0	38	48	0	------	------
21	------	------	------	------	------	------	0	47	48	0	------	------
22	------	------	------	------	------	------	0	41	44	0	------	------
23	------	------	------	------	------	------	0	44	45	0	------	------
24	------	------	------	------	------	------	0	35	42	0	------	------
25	------	------	------	------	------	------	0	33	40	0	------	------
26	------	------	------	------	------	------	0	32	36	0	------	------
27	------	------	------	------	------	------	0	28	18	0	------	------
28	------	------	------	------	------	------	0	25	17	0	------	------
29	------	------	------	------		------	0	25	2	0	------	------
30	------	------	------	------		------	0	25	2	0	------	------
31	------		------	------		------		22		0	------	
Min	0	0	0	0	0	0	0	0	2	0	0	0
Max	0	0	0	0	0	0	0	47	50	17	0	0
Mon Mean	0	0	0	0	0	0	0	21	27	2	0	0
Div Mean	0	0	0	0	0	0	0	26	27	9	0	0
Ac-Ft	0	0	0	0	0	0	0	882	1609	257	0	0

Water Year total – 2748 Ac-Ft Maximum Discharge 68 CFS at 2015 hours, 18-June-2005
Monthly Mean is average of all recorded values, Diversion Mean is average of all recorded values above zero, ------ indicates no data were collected



Appendix **D** (4 **of 15)**

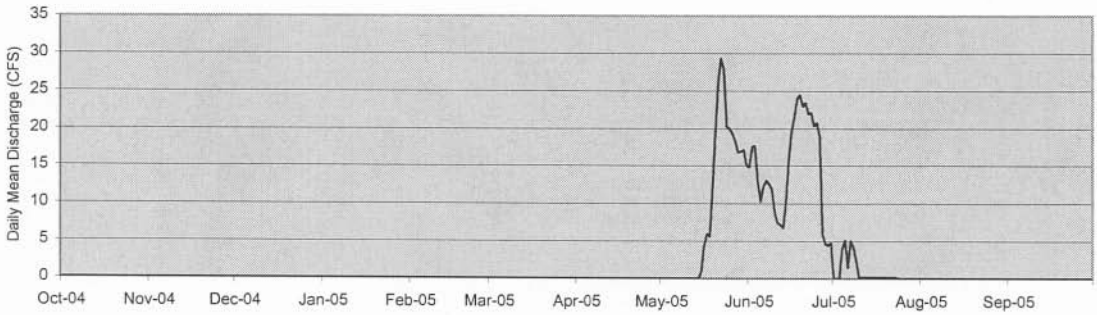
North Cunningham Feeder Conduit near Norrie, CO

Location. --Lat 39°20'12", long 106°32'35", Pitkin County, Hydrologic Unit 14010004, on right bank at concrete diversion structure, 0.8 mi upstream from Middle Cunningham Creek, and 6.2 mi east of Non-ie.
Gage.—Water-stage recorder and standard 6 foot suppressed rectangular weir. Elevation of gage is 10,100 ft from topographic map.
Remarks. ---This is a trans-mountain diversion from North Cunningham Creek in the Roaring Fork Basin through the Fryingpan-Arkansas Project Collection system and Charles H. Boustead tunnel to the Arkansas River basin. Diversion began 15-May-2005 and ceased 09-July-2005. Recorder was operated 13-April-2005 through II -August-2005. Record is complete and reliable.

Discharge, Cubic Feet Per Second, Daily Mean Values

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	------	------	------	------	------	------	------	0	15	4	0	------
2	------	------	------	------	------	------	------	0	18	4	0	------
3	------	------	------	------	------	------	------	0	18	4	0	------
4	------	------	------	------	------	------	------	0	13	4	0	------
5	------	------	------	------	------	------	------	0	10	5	0	------
6	------	------	------	------	------	------	------	0	12	1	0	------
7	------	------	------	------	------	------	------	0	13	5	0	------
8	------	------	------	------	------	------	------	0	13	4	0	------
9	------	------	------	------	------	------	------	0	12	2	0	------
10	------	------	------	------	------	------	------	0	9	0	0	------
11	------	------	------	------	------	------	------	0	7	0	0	------
12	------	------	------	------	------	------	------	0	7	0	------	------
13	------	------	------	------	------	------	0	0	7	0	------	------
14	------	------	------	------	------	------	0	0	10	0	------	------
15	------	------	------	------	------	------	0	1	16	0	------	------
16	------	------	------	------	------	------	0	4	20	0	------	------
17	------	------	------	------	------	------	0	6	22	0	------	------
18	------	------	------	------	------	------	0	6	24	0	------	------
19	------	------	------	------	------	------	0	12	24	0	------	------
20	------	------	------	------	------	------	0	19	23	0	------	------
21	------	------	------	------	------	------	0	26	23	0	------	------
22	------	------	------	------	------	------	0	29	22	0	------	------
23	------	------	------	------	------	------	0	28	22	0	------	------
24	------	------	------	------	------	------	0	20	20	0	------	------
25	------	------	------	------	------	------	0	20	21	0	------	------
26	------	------	------	------	------	------	0	19	19	0	------	------
27	------	------	------	------	------	------	0	18	6	0	------	------
28	------	------	------	------	------	------	0	17	5	0	------	------
29	------	------	------	------		------	0	17	4	0	------	------
30	------	------	------	------		------	0	17	5	0	------	------
31	------		------	------		------		15		0	------	
Min	0	0	0	0	0	0	0	0	4	0	0	0
Max	0	0	0	0	0	0	0	29	24	5	0	0
Mon Mean	0	0	0	0	0	0	0	13	15	1	0	0
Div Mean	0	0	0	0	0	0	0	16	15	4	0	0
Ac-Ft	0	0	0	0	0	0	0	545	870	65	0	0

Water Year total – 1480 Ac-Ft Maximum Discharge 91 CFS at 2030 hours, 22-May-2005
Monthly Mean is average of all recorded values, Diversion Mean is average of all recorded values above zero, ------ indicates no data were collected



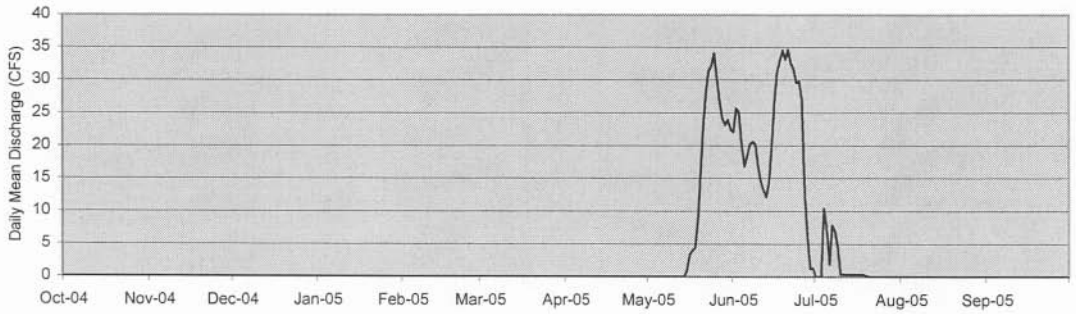
Appendix **D** (5 **of 15)**
Middle Cunningham Feeder Conduit near Norrie, CO

Location. --Lat 39°19'43", long 106°33'08", Pitkin County, Hydrologic Unit 14010004, on left bank at concrete diversion structure, 0.4 mi upstream from Cunningham Creek, and 5.7 mi east of Norrie.
Gage.—Water-stage recorder and standard 5 foot suppressed rectangular weir. Elevation of gage is 10,050 ft from topographic map.
Remarks.—This is a trans-mountain diversion from Middle Cunningham Creek in the Roaring Fork Basin through the Fryingpan-Arkansas Project Collection system and Charles H. Boustead tunnel to the Arkansas River basin. Diversion began 15-May-2005 and ceased 09-July-2005. Recorder was operated 13-April-2005 through 11-August-2005. Record is complete and reliable.

Discharge, Cubic Feet Per Second, Daily Mean Values

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	------	------	------	------	------	------	------	0	22	8	0	------
2	------	------	------	------	------	------	------	0	26	13	0	------
3	------	------	------	------	------	------	------	0	25	11	0	------
4	------	------	------	------	------	------	------	0	20	10	0	------
5	------	------	------	------	------	------	------	0	17	8	0	------
6	------	------	------	------	------	------	------	0	18	2	0	------
7	------	------	------	------	------	------	------	0	20	8	0	------
8	------	------	------	------	------	------	------	0	21	7	0	------
9	------	------	------	------	------	------	------	0	20	5	0	------
10	------	------	------	------	------	------	------	0	17	0	0	------
11	------	------	------	------	------	------	------	0	14	0	0	------
12	------	------	------	------	------	------	------	0	13	0	------	------
13	------	------	------	------	------	------	0	0	12	0	------	------
14	------	------	------	------	------	------	0	0	15	0	------	------
15	------	------	------	------	------	------	0	1	20	0	------	------
16	------	------	------	------	------	------	0	3	27	0	------	------
17	------	------	------	------	------	------	0	4	31	0	------	------
18	------	------	------	------	------	------	0	4	33	0	------	------
19	------	------	------	------	------	------	0	9	35	0	------	------
20	------	------	------	------	------	------	0	16	33	0	------	------
21	------	------	------	------	------	------	0	23	35	0	------	------
22	------	------	------	------	------	------	0	28	33	0	------	------
23	------	------	------	------	------	------	0	31	32	0	------	------
24	------	------	------	------	------	------	0	32	30	0	------	------
25	------	------	------	------	------	------	0	34	30	0	------	------
26	------	------	------	------	------	------	0	30	27	0	------	------
27	------	------	------	------	------	------	0	27	13	0	------	------
28	------	------	------	------	------	------	0	24	6	0	------	------
29	------	------	------	------		------	0	23	1	0	------	------
30	------	------	------	------		------	0	24	1	0	------	------
31	------		------	------		------		22		0	------	
Min	0	0	0	0	0	0	0	0	1	0	0	0
Max	0	0	0	0	0	0	0	34	35	13	0	0
Mon Mean	0	0	0	0	0	0	0	16	22	2	0	0
Div Mean	0	0	0	0	0	0	0	19	22	8	0	0
Ac-Ft	0	0	0	0	0	0	0	665	1279	143	0	0

Water Year total – 2087 Ac-Ft Maximum Discharge 43 CFS at 1815 hours, 19-June-2005
Monthly Mean is average of all recorded values, Diversion Mean is average of all recorded values above zero, ------ indicates no data were collected



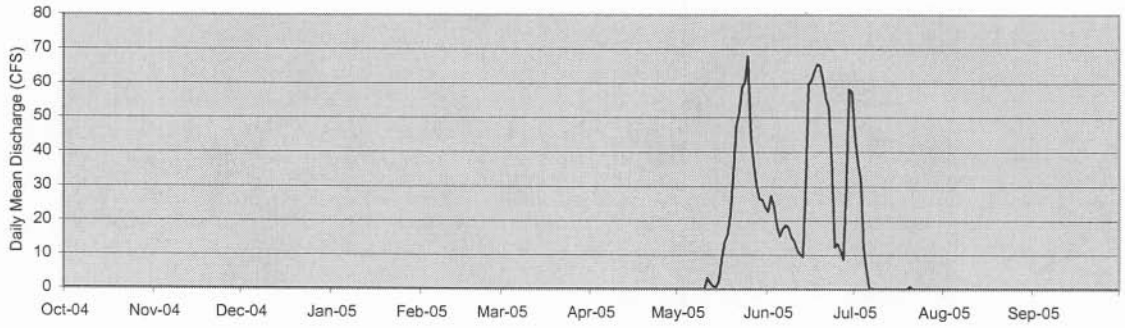
Appendix D (6 of 15)
Ivanhoe Creek Feeder Conduit near Norrie, CO

Location. --Lat 39°17'15", long 106°33'32", Pitkin County, Hydrologic Unit 14010004, on left bank 300 feet downstream from diversion point on Ivanhoe Creek, 2.3 mi east of Nast, and 5.8 mi southeast of Norrie.
Gage.—Water-stage recorder and modified 8 foot Parshall flume. Elevation of gage is 10,000 ft from topographic map.
Remarks.—This is a trans-mountain diversion from Ivanhoe Creek in the Roaring Fork Basin through the Fryingpan-Arkansas Project Collection system and Charles H. Boustead tunnel to the Arkansas River basin. Diversion began 11-May-2005 and ceased 05-Jul-2005. Recorder was operated 14-April-2005 through 09-August2005. Record is complete and fair.

Discharge, Cubic Feet Per Second, Daily Mean Values

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	------	------	------	------	------	------	------	0	23	45	0	------
2	------	------	------	------	------	------	------	0	27	37	0	------
3	------	------	------	------	------	------	------	0	24	32	0	------
4	------	------	------	------	------	------	------	0	19	12	0	------
5	------	------	------	------	------	------	------	0	16	5	0	------
6	------	------	------	------	------	------	------	0	18	0	0	------
7	------	------	------	------	------	------	------	0	19	0	0	------
8	------	------	------	------	------	------	------	0	18	0	0	------
9	------	------	------	------	------	------	------	0	15	0	0	------
10	------	------	------	------	------	------	------	0	14	0	------	------
11	------	------	------	------	------	------	------	3	12	0	------	------
12	------	------	------	------	------	------	------	2	10	0	------	------
13	------	------	------	------	------	------	------	1	9	0	------	------
14	------	------	------	------	------	------	0	1	31	0	------	------
15	------	------	------	------	------	------	0	2	60	0	------	------
16	------	------	------	------	------	------	0	9	61	0	------	------
17	------	------	------	------	------	------	0	14	64	0	------	------
18	------	------	------	------	------	------	0	16	66	0	------	------
19	------	------	------	------	------	------	0	22	65	0	------	------
20	------	------	------	------	------	------	0	34	61	1	------	------
21	------	------	------	------	------	------	0	48	56	0	------	------
22	------	------	------	------	------	------	0	51	53	0	------	------
23	------	------	------	------	------	------	0	59	37	0	------	------
24	------	------	------	------	------	------	0	60	12	0	------	------
25	------	------	------	------	------	------	0	68	13	0	------	------
26	------	------	------	------	------	------	0	45	11	0	------	------
27	------	------	------	------	------	------	0	37	9	0	------	------
28	------	------	------	------	------	------	0	30	30	0	------	------
29	------	------	------	------		------	0	26	58	0	------	------
30	------	------	------	------		------	0	26	58	0	------	------
31	------		------	------		------		24		0	------	
Min	0	0	0	0	0	0	0	1	9	0	0	0
Max	0	0	0	0	0	0	0	68	66	45	0	0
Mon Mean	0	0	0	0	0	0	0	19	32	4	0	0
Div Mean	0	0	0	0	0	0	0	28	32	26	0	0
Ac-Ft	0	0	0	0	0	0	0	1148	1917	262	0	0

Water Year total – 3327 Ac-Ft, Maximum Discharge 118 CFS at 1600 hours, 25-May-2005
Monthly Mean is average of all recorded values, Diversion Mean is average of all recorded values above zero, ------ indicates no data were collected



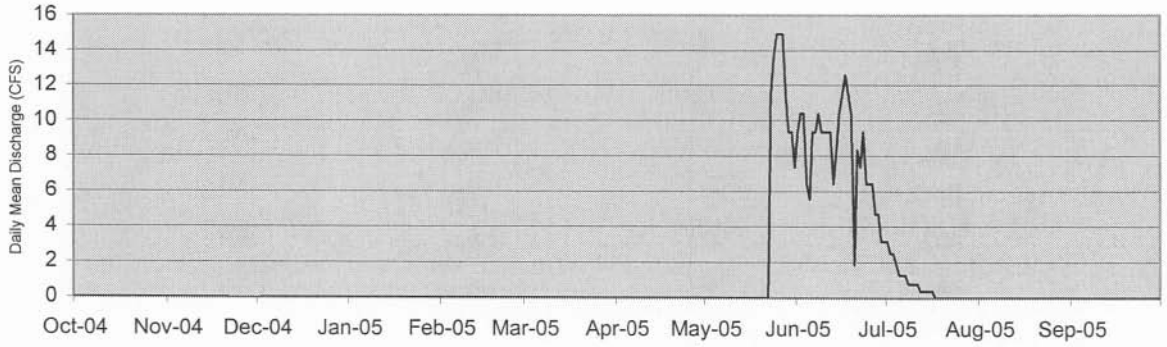
Lily **Pad Creek Feeder Conduit near Norrie, CO**

Location. --Lat 39°15'32", long 106°32'16", Pitkin County, Hydrologic Unit 14010004, on right bank at concrete diversion structure, 200 feet downstream from diversion point on Lily Pad Creek, and 7.7 mi southwest of Norrie.
Gage.—Water-stage recorder and standard 5 foot suppressed rectangular weir. Elevation of gage is 10,200 ft from topographic map.
Remarks.—This is a trans-mountain diversion from Lily Pad Creek in the Roaring Fork Basin through the Fryingpan-Arkansas Project Collection system and Charles H. Boustead tunnel to the Arkansas River basin. Diversion start date is unknown. Diversion ceased on 11-July-2005. Recorder was operated 23-May-2005 through 09-August-2005. Record is fair.

Discharge, Cubic Feet Per Second, Daily Mean Values

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	------	------	------	------	------	------	------	------	9	3	0	------
2	------	------	------	------	------	------	------	------	10	2	0	------
3	------	------	------	------	------	------	------	------	10	2	0	------
4	------	------	------	------	------	------	------	------	6	2	0	------
5	------	------	------	------	------	------	------	------	6	1	0	------
6	------	------	------	------	------	------	------	------	9	1	0	------
7	------	------	------	------	------	------	------	------	9	1	0	------
8	------	------	------	------	------	------	------	------	10	1	0	------
9	------	------	------	------	------	------	------	------	9	1	0	------
10	------	------	------	------	------	------	------	------	9	1	------	------
11	------	------	------	------	------	------	------	------	9	1	------	------
12	------	------	------	------	------	------	------	------	9	0	------	------
13	------	------	------	------	------	------	------	------	6	0	------	------
14	------	------	------	------	------	------	------	------	8	0	------	------
15	------	------	------	------	------	------	------	------	10	0	------	------
16	------	------	------	------	------	------	------	------	11	0	------	------
17	------	------	------	------	------	------	------	------	13	0	------	------
18	------	------	------	------	------	------	------	------	11	0	------	------
19	------	------	------	------	------	------	------	------	10	0	------	------
20	------	------	------	------	------	------	------	------	2	0	------	------
21	------	------	------	------	------	------	------	------	8	0	------	------
22	------	------	------	------	------	------	------	------	7	0	------	------
23	------	------	------	------	------	------	------	11	9	0	------	------
24	------	------	------	------	------	------	------	14	6	0	------	------
25	------	------	------	------	------	------	------	15	6	0	------	------
26	------	------	------	------	------	------	------	15	6	0	------	------
27	------	------	------	------	------	------	------	15	5	0	------	------
28	------	------	------	------	------	------	------	11	5	0	------	------
29	------	------	------	------		------	------	9	3	0	------	------
30	------	------	------	------		------	------	9	3	0	------	------
31	------		------	------		------	------	7		0	------	
Min	0	0	0	0	0	0	0	0	2	0	0	0
Max	0	0	0	0	0	0	0	15	13	3	0	0
Mon Mean	0	0	0	0	0	0	0	8	8	1	0	0
Div Mean	0	0	0	0	0	0	0	12	8	2	0	0
Ac-Ft	0	0	0	0	0	0	0	213	478	37	0	0

Water Year total – 728 Ac-Ft, Maximum Discharge 19 CFS at 1600 hours, 25-May-2005
Monthly Mean is average of all recorded values, Diversion Mean is average of all recorded values above zero, ------ indicates no data were collected



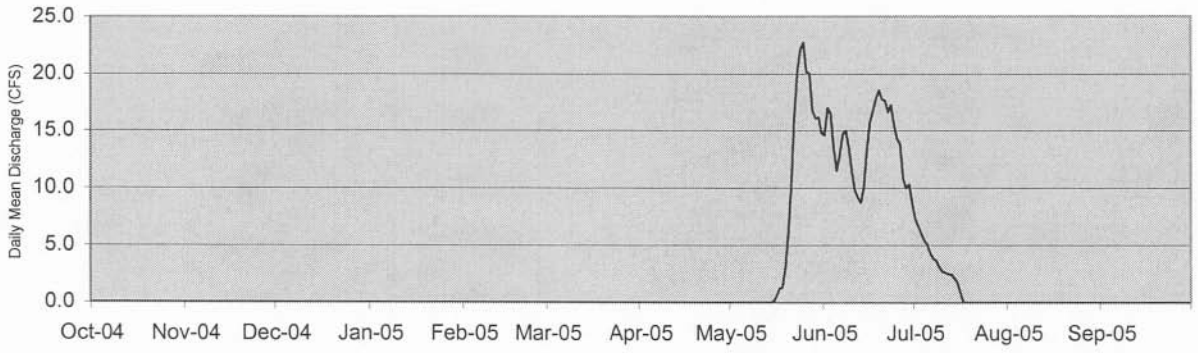
Appendix D (8 of 15)
Granite Creek Feeder Conduit near Norrie, CO

Location. --Lat 39°16'03", long 106°33'15", Pitkin County, Hydrologic Unit 14010004, on right bank at concrete adit structure, 1.0 mi through siphon from diversion point on Granite Creek, and 6.7 mi southeast of Norrie.
Gage.—Water-stage recorder and standard 3 foot Parshall flume. Elevation of gage is 10,000 ft from topographic map.
Remarks.—This is a trans-mountain diversion from Granite Creek in the Roaring Fork Basin through the Fryingpan-Arkansas Project Collection system and Charles H. Boustead tunnel to the Arkansas River basin. Diversion began 16-May-2005 and ceased 16-July-2005. Recorder was operated 15-April-2005 through 10-August-2005. Record is complete and reliable.

Discharge, Cubic Feet Per Second. Daily Mean Values

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	------	------	------	------	------	------	------	0	15	7	0	------
2	------	------	------	------	------	------	------	0	17	7	0	------
3	------	------	------	------	------	------	------	0	17	6	0	------
4	------	------	------	------	------	------	------	0	14	5	0	------
5	------	------	------	------	------	------	------	0	12	5	0	------
6	------	------	------	------	------	------	------	0	13	4	0	------
7	------	------	------	------	------	------	------	0	15	4	0	------
8	------	------	------	------	------	------	------	0	15	4	0	------
9	------	------	------	------	------	------	------	0	14	3	0	------
10	------	------	------	------	------	------	------	0	11	3	0	------
11	------	------	------	------	------	------	------	0	10	3	------	------
12	------	------	------	------	------	------	------	0	9	3	------	------
13	------	------	------	------	------	------	------	0	9	2	------	------
14	------	------	------	------	------	------	------	0	10	2	------	------
15	------	------	------	------	------	------	0	0	13	2	------	------
16	------	------	------	------	------	------	0	1	16	1	------	------
17	------	------	------	------	------	------	0	1	17	0	------	------
18	------	------	------	------	------	------	0	1	18	0	------	------
19	------	------	------	------	------	------	0	3	19	0	------	------
20	------	------	------	------	------	------	0	6	18	0	------	------
21	------	------	------	------	------	------	0	10	18	0	------	------
22	------	------	------	------	------	------	0	16	17	0	------	------
23	------	------	------	------	------	------	0	20	17	0	------	------
24	------	------	------	------	------	------	0	22	16	0	------	------
25	------	------	------	------	------	------	0	23	14	0	------	------
26	------	------	------	------	------	------	0	20	14	0	------	------
27	------	------	------	------	------	------	0	20	11	0	------	------
28	------	------	------	------	------	------	0	17	10	0	------	------
29	------	------	------	------		------	0	16	10	0	------	------
30	------	------	------	------		------	0	16	9	0	------	------
31	------		------	------		------		15		0	------	
Min	0	0	0	0	0	0	0	0	9	0	0	0
Max	0	0	0	0	0	0	0	23	19	7	0	0
Mon Mean	0	0	0	0	0	0	0	10	14	2	0	0
Div Mean	0	0	0	0	0	0	0	13	14	4	0	0
Ac-Ft	0	0	0	0	0	0	0	412	819	120	0	0

Water Year total – 1351 Ac-Ft, Maximum Discharge 26 CFS at 2000 hours, 25-May-2005
Monthly Mean is average of all recorded values, Diversion Mean is average of all recorded values above zero, ------ indicates no data were collected



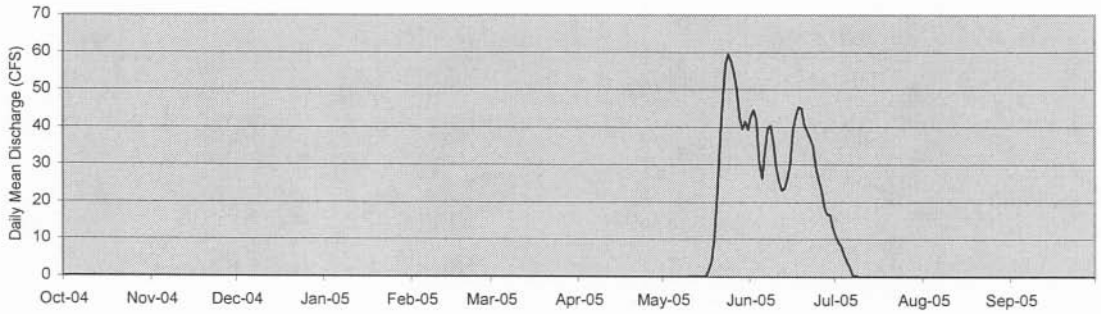
Appendix D (9 of 15)
No Name Creek Feeder Conduit near Norrie, CO

Location. --Lat 39°11'00", long 106°43'12", Pitkin County, Hydrologic Unit 14010004, on right bank at concrete diversion structure, 0.9 mi upstream from mouth, and 5.5 mi southeast of Aspen.
Gage.—Water-stage recorder and standard 8 foot suppressed rectangular weir. Elevation of gage is 10,165 ft from topographic map.
Remarks.—This is a trans-mountain diversion from No Name Creek in the Roaring Fork Basin throu [g]h the Fryingpan-Arkansas Project Collection system and Charles H. Boustead tunnel to the Arkansas River basin. Diversion began 17-May-2005 and ceased 06-July-2005. Recorder was operated 21-April-2005 through 17-August-2005. Record is complete and reliable.

Discharge, Cubic Feet Per Second, Daily Mean Values

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	------	------	------	------	------	------	------	0	43	11	0	------
2	------	------	------	------	------	------	------	0	44	9	0	------
3	------	------	------	------	------	------	------	0	42	8	0	------
4	------	------	------	------	------	------	------	0	31	6	0	------
5	------	------	------	------	------	------	------	0	26	4	0	------
6	------	------	------	------	------	------	------	0	33	2	0	------
7	------	------	------	------	------	------	------	0	40	0	0	------
8	------	------	------	------	------	------	------	0	40	0	0	------
9	------	------	------	------	------	------	------	0	36	0	0	------
10	------	------	------	------	------	------	------	0	29	0	0	------
11	------	------	------	------	------	------	------	0	26	0	0	------
12	------	------	------	------	------	------	------	0	23	0	0	------
13	------	------	------	------	------	------	------	0	24	0	0	------
14	------	------	------	------	------	------	------	0	27	0	0	------
15	------	------	------	------	------	------	------	0	30	0	0	------
16	------	------	------	------	------	------	------	0	39	0	0	------
17	------	------	------	------	------	------	------	2	43	0	0	------
18	------	------	------	------	------	------	------	4	45	0	------	------
19	------	------	------	------	------	------	------	10	45	0	------	------
20	------	------	------	------	------	------	------	22	41	0	------	------
21	------	------	------	------	------	------	0	36	39	0	------	------
22	------	------	------	------	------	------	0	47	37	0	------	------
23	------	------	------	------	------	------	0	57	35	0	------	------
24	------	------	------	------	------	------	0	59	30	0	------	------
25	------	------	------	------	------	------	0	58	26	0	------	------
26	------	------	------	------	------	------	0	54	23	0	------	------
27	------	------	------	------	------	------	0	50	19	0	------	------
28	------	------	------	------	------	------	0	43	17	0	------	------
29	------	------	------	------		------	0	39	17	0	------	------
30	------	------	------	------		------	0	41	13	0	------	------
31	------		------	------		------		39		0	------	
Min	0	0	0	0	0	0	0	0	13	0	0	0
Max	0	0	0	0	0	0	0	59	45	11	0	0
Mon Mean	0	0	0	0	0	0	0	26	32	1	0	0
Div Mean	0	0	0	0	0	0	0	37	32	6	0	0
Ac-Ft	0	0	0	0	0	0	0	1112	1908	81	0	0

Water Year total – 3101 Ac-Ft Maximum Discharge 72 CFS at 2045 hours, 24-May-2005
Monthly Mean is average of all recorded values, Diversion Mean is average of all recorded values above zero, ------ indicates no data were collected



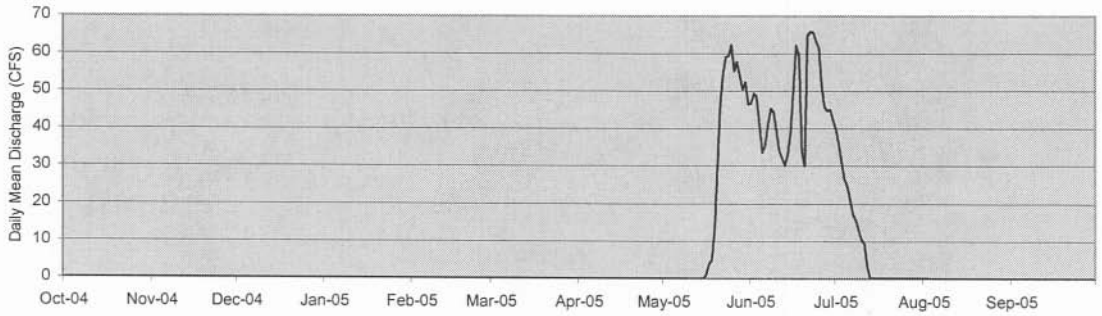
Midway Creek Feeder Conduit near Norrie, CO

Location. --Lat 39°11'26", long 106°41'07", Pitkin County, Hydrologic Unit 14010004, on right bank at concrete diversion structure, 0.8 mi upstream from mouth, and 8.3 mi east of Aspen.
Gage.—Water-stage recorder and standard 8 foot suppressed rectangular weir. Elevation of gage is 10,180 ft from topographic map.
Remarks.—This is a trans-mountain diversion from Midway Creek in the Roaring Fork Basin through the Fryingpan-Arkansas Project Collection system and Charles H. Boustead tunnel to the Arkansas River basin. Diversion began 16-May-2005 and ceased 12-July-2005. Recorder was operated 21-April-2005 through 07-September-2005. Record is complete and reliable.

Discharge, Cubic Feet Per Second, Daily Mean Values

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	------	------	------	------	------	------	------	0	47	40	0	0
2	------	------	------	------	------	------	------	0	49	36	0	0
3	------	------	------	------	------	------	------	0	49	31	0	0
4	------	------	------	------	------	------	------	0	41	27	0	0
5	------	------	------	------	------	------	------	0	34	25	0	0
6	------	------	------	------	------	------	------	0	35	21	0	0
7	------	------	------	------	------	------	------	0	41	17	0	0
8	------	------	------	------	------	------	------	0	45	16	0	------
9	------	------	------	------	------	------	------	0	44	13	0	------
10	------	------	------	------	------	------	------	0	39	11	0	------
11	------	------	------	------	------	------	------	0	34	9	0	------
12	------	------	------	------	------	------	------	0	32	3	0	------
13	------	------	------	------	------	------	------	0	30	0	0	------
14	------	------	------	------	------	------	------	0	33	0	0	------
15	------	------	------	------	------	------	------	0	39	0	0	------
16	------	------	------	------	------	------	------	1	50	0	0	------
17	------	------	------	------	------	------	------	4	62	0	0	------
18	------	------	------	------	------	------	------	5	60	0	0	------
19	------	------	------	------	------	------	------	13	34	0	0	------
20	------	------	------	------	------	------	------	30	30	0	0	------
21	------	------	------	------	------	------	------	47	65	0	0	------
22	------	------	------	------	------	------	0	54	66	0	0	------
23	------	------	------	------	------	------	0	59	66	0	0	------
24	------	------	------	------	------	------	0	59	63	0	0	------
25	------	------	------	------	------	------	0	62	61	0	0	------
26	------	------	------	------	------	------	0	55	51	0	0	------
27	------	------	------	------	------	------	0	58	46	0	0	------
28	------	------	------	------	------	------	0	54	45	0	0	------
29	------	------	------	------		------	0	50	45	0	0	------
30	------	------	------	------		------	0	52	42	0	0	------
31	------		------	------		------		46		0	0	
Min	0	0	0	0	0	0	0	0	30	0	0	0
Max	0	0	0	0	0	0	0	62	66	40	0	0
Mon Mean	0	0	0	0	0	0	0	30	46	8	0	0
Div Mean	0	0	0	0	0	0	0	41	46	21	0	0
Ac-Ft	0	0	0	0	0	0	0	1289	2730	495	0	0

Water Year total – 4514 Ac-Ft, Maximum Discharge 71 CFS at 1915 hours, 17-June-2005.
Monthly Mean is average of all recorded values, Diversion Mean is average of all recorded values above zero, ------ indicates no data were collected



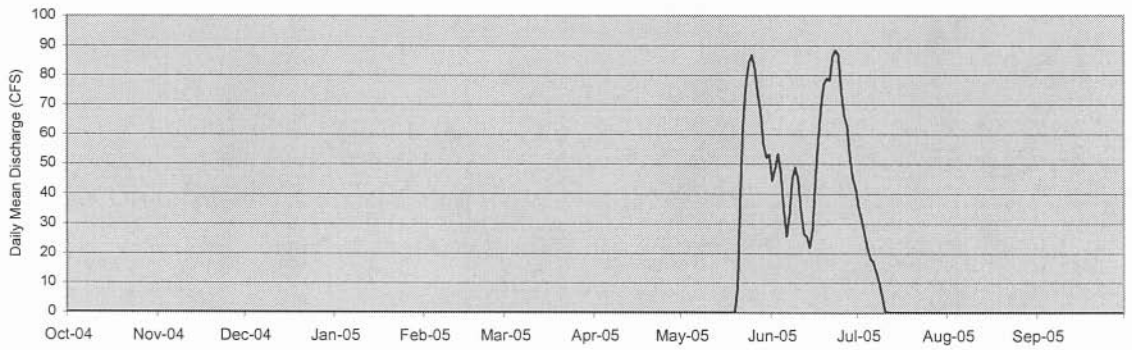
Hunter Creek Feeder Conduit near Norrie, CO

Location. --Lat 39°12'28", long 106°40'44", Pitkin County, Hydrologic Unit 14010004, on right bank at concrete diversion structure, 0.9 mi upstream from confluence with Midway Creek, and 8.3 mi east of Aspen.
Gage.—Water-stage recorder and standard 8 foot suppressed rectangular weir. Elevation of gage is 10,180 ft from topographic map.
Remarks.—This is a trans-mountain diversion from Hunter Creek in the Roaring Fork Basin through the Fryingpan-Arkansas Project Collection system and Charles H. Boustead tunnel to the Arkansas River basin. Diversion began 19-May-2005 and ceased 08-July-2005. Recorder was operated 22-April-2005 through 07-September-2005. Record is complete and reliable.

Discharge, Cubic Feet Per Second, Daily Mean Values

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	------	------	------	------	------	------	------	0	48	31	0	0
2	------	------	------	------	------	------	------	0	53	27	0	0
3	------	------	------	------	------	------	------	0	47	22	0	0
4	------	------	------	------	------	------	------	0	35	18	0	0
5	------	------	------	------	------	------	------	0	26	17	0	0
6	------	------	------	------	------	------	------	0	33	14	0	0
7	------	------	------	------	------	------	------	0	45	10	0	0
8	------	------	------	------	------	------	------	0	49	6	0	------
9	------	------	------	------	------	------	------	0	45	0	0	------
10	------	------	------	------	------	------	------	0	34	0	0	------
11	------	------	------	------	------	------	------	0	27	0	0	------
12	------	------	------	------	------	------	------	0	26	0	0	------
13	------	------	------	------	------	------	------	0	22	0	0	------
14	------	------	------	------	------	------	------	0	28	0	0	------
15	------	------	------	------	------	------	------	0	45	0	0	------
16	------	------	------	------	------	------	------	0	58	0	0	------
17	------	------	------	------	------	------	------	0	70	0	0	------
18	------	------	------	------	------	------	------	0	77	0	0	------
19	------	------	------	------	------	------	------	9	79	0	0	------
20	------	------	------	------	------	------	------	40	78	0	0	------
21	------	------	------	------	------	------	------	64	86	0	0	------
22	------	------	------	------	------	------	0	77	88	0	0	------
23	------	------	------	------	------	------	0	84	87	0	0	------
24	------	------	------	------	------	------	0	87	75	0	0	------
25	------	------	------	------	------	------	0	82	66	0	0	------
26	------	------	------	------	------	------	0	74	63	0	0	------
27	------	------	------	------	------	------	0	68	52	0	0	------
28	------	------	------	------	------	------	0	57	45	0	0	------
29	------	------	------	------		------	0	52	42	0	0	------
30	------	------	------	------		------	0	53	35	0	0	------
31	------		------	------		------		44		0	0	
Min	0	0	0	0	0	0	0	0	22	0	0	0
Max	0	0	0	0	0	0	0	87	88	31	0	0
Mon Mean	0	0	0	0	0	0	0	26	52	5	0	0
Div Mean	0	0	0	0	0	0	0	61	52	18	0	0
Ac-Ft	0	0	0	0	0	0	0	1570	3099	289	0	0

Water Year total – 4958 Ac-Ft, Maximum Discharge 114 CFS at 1945 hours, 23-May-2005, Monthly Mean is average of all recorded values, Diversion Mean is average of all recorded values above zero, ------ indicates no data were collected



Savvyer Creek Feeder Conduit near Norrie, CO

Location. --Lat 39°15'58", long 106°38'21", Pitkin County, Hydrologic Unit 14010004, on right bank, 3100 ft downstream from diversion point on Sawyer Creek and 4.0 mi south of Norrie.

Gage.—Water-stage recorder and standard 24 inch Parshall flume. Elevation of gage is 10,050 ft from topographic map.

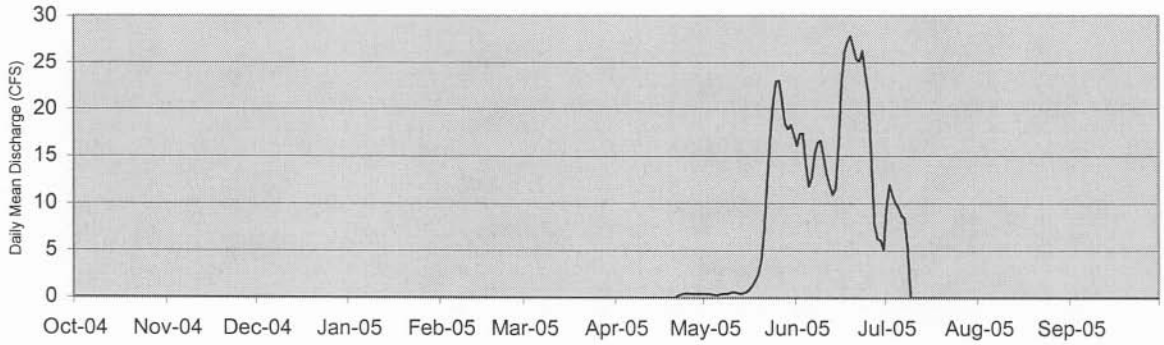
Remarks.—This is a trans-mountain diversion from Sawyer Creek in the Roaring Fork Basin through the Fryingpan-Arkansas Project Collection system and Charles H. Boustead tunnel to the Arkansas River basin. Diversion began 10-May-2005 and ceased 08-July-2005. Recorder was operated 22-April-2005 through 10-August-2005. Record is complete and fair.

Discharge, Cubic Feet Per Second, Daily Mean Values

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	------	------	------	------	------	------	------	0	16	9	0	------
2	------	------	------	------	------	------	------	0	17	12	0	------
3	------	------	------	------	------	------	------	0	17	11	0	------
4	------	------	------	------	------	------	------	0	14	10	0	------
5	------	------	------	------	------	------	------	0	12	10	0	------
6	------	------	------	------	------	------	------	0	13	9	0	------
7	------	------	------	------	------	------	------	0	15	8	0	------
8	------	------	------	------	------	------	------	0	16	5	0	------
9	------	------	------	------	------	------	------	0	17	0	0	------
10	------	------	------	------	------	------	------	1	15	0	0	------
11	------	------	------	------	------	------	------	1	13	0	------	------
12	------	------	------	------	------	------	------	0	12	0	------	------
13	------	------	------	------	------	------	------	0	11	0	------	------
14	------	------	------	------	------	------	------	0	12	0	------	------
15	------	------	------	------	------	------	------	1	16	0	------	------
16	------	------	------	------	------	------	------	1	23	0	------	------
17	------	------	------	------	------	------	------	1	26	0	------	------
18	------	------	------	------	------	------	------	2	27	0	------	------
19	------	------	------	------	------	------	------	3	28	0	------	------
20	------	------	------	------	------	------	------	4	27	0	------	------
21	------	------	------	------	------	------	------	7	25	0	------	------
22	------	------	------	------	------	------	0	12	25	0	------	------
23	------	------	------	------	------	------	0	17	26	0	------	------
24	------	------	------	------	------	------	0	21	24	0	------	------
25	------	------	------	------	------	------	0	23	22	0	------	------
26	------	------	------	------	------	------	0	23	14	0	------	------
27	------	------	------	------	------	------	0	21	8	0	------	------
28	------	------	------	------	------	------	0	18	6	0	------	------
29	------	------	------	------		------	0	18	6	0	------	------
30	------	------	------	------		------	0	18	5	0	------	------
31	------		------	------		------		17		0	------	
Min	0	0	0	0	0	0	0	0	5	0	0	0
Max	0	0	0	0	0	0	0	23	28	12	0	0
Mon Mean	0	0	0	0	0	0	0	7	17	2	0	0
Div Mean	0	0	0	0	0	0	0	11	17	9	0	0
Ac-Ft	0	0	0	0	0	0	0	423	1008	148	0	0

Water Year total – 1579 Ac-Ft, Maximum Discharge 32 CFS at 2000 hours, 18-June-2005

Monthly Mean is average of all recorded values, Diversion Mean is average of all recorded values above zero, ------ indicates no data were collected



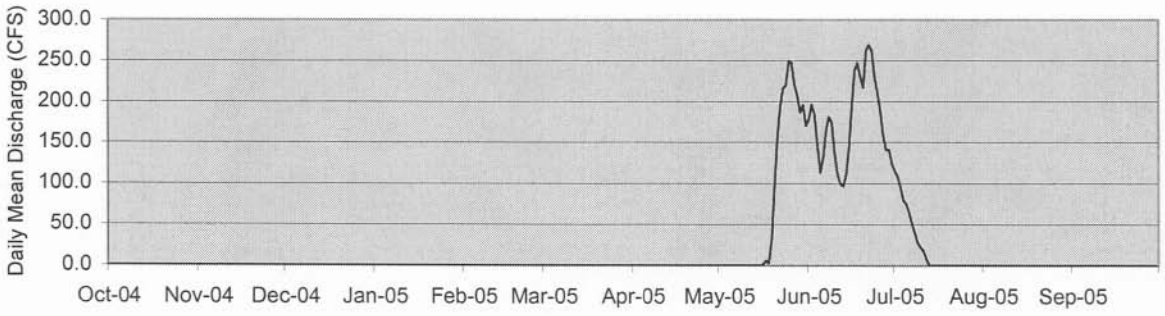
Appendix D (13 of 15)
Chapman Gulch Feeder Conduit near Norrie, CO

Location. ---Lat 39°15'46", long 106°37'52", Pitkin County, Hydrologic Unit 14010004, on right bank, 180 ft downstream from diversion point on Chapman Gulch and 4.9 mi south of Norrie.
Gage.—Water-stage recorder and modified 10 ft Parshall flume. Elevation of gage is 10,050 ft from topographic map.
Remarks.—This is a trans-mountain diversion from Chapman Gulch, Sawyer Creek, Hunter Creek, Midway Creek, and No Name Creek in the Roaring Fork Basin through the Fryingpan-Arkansas Project Collection system and Charles H. Boustead tunnel to the Arkansas River basin. Diversion began on 16-May-2005 and ceased 12-July-2005. Recorder was operated 21-April-2005 through 10-August-2005. Record is complete and reliable.

Discharge, Cubic Feet Per Second, Daily Mean Values

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	------	------	------	------	------	------	------	0	178	115	0	------
2	------	------	------	------	------	------	------	0	196	108	0	------
3	------	------	------	------	------	------	------	0	184	95	0	------
4	------	------	------	------	------	------	------	0	145	79	0	------
5	------	------	------	------	------	------	------	0	113	75	0	------
6	------	------	------	------	------	------	------	0	132	65	0	------
7	------	------	------	------	------	------	------	0	165	51	0	------
8	------	------	------	------	------	------	------	0	181	40	0	------
9	------	------	------	------	------	------	------	0	174	28	0	------
10	------	------	------	------	------	------	------	0	136	22	0	------
11	------	------	------	------	------	------	------	0	111	18	------	------
12	------	------	------	------	------	------	------	0	100	9	------	------
13	------	------	------	------	------	------	------	0	97	0	------	------
14	------	------	------	------	------	------	------	0	111	0	------	------
15	------	------	------	------	------	------	------	0	144	0	------	------
16	------	------	------	------	------	------	------	1	193	0	------	------
17	------	------	------	------	------	------	------	6	238	0	------	------
18	------	------	------	------	------	------	------	3	247	0	------	------
19	------	------	------	------	------	------	------	31	230	0	------	------
20	------	------	------	------	------	------	------	97	217	0	------	------
21	------	------	------	------	------	------	0	154	263	0	------	------
22	------	------	------	------	------	------	0	193	269	0	------	------
23	------	------	------	------	------	------	0	216	262	0	------	------
24	------	------	------	------	------	------	0	220	230	0	------	------
25	------	------	------	------	------	------	0	249	211	0	------	------
26	------	------	------	------	------	------	0	247	188	0	------	------
27	------	------	------	------	------	------	0	221	158	0	------	------
28	------	------	------	------	------	------	0	207	140	0	------	------
29	------	------	------	------		------	0	186	141	0	------	------
30	------	------	------	------		------	0	195	124	0	------	------
31	------		------	------		------		170		0	------	
Min	0	0	0	0	0	0	0	0	97	0	0	0
Max	0	0	0	0	0	0	0	249	269	115	0	0
Mon Mean	0	0	0	0	0	0	0	141	176	23	0	0
Div Mean	0	0	0	0	0	0	0	150	176	59	0	0
Ac-Ft	0	0	0	0	0	0	0	4746	10448	1397	0	0

Water Year total – 16591 Ac-Ft, Maximum Discharge 300 CFS at 2045 hours, 24-Jun-2005
Monthly Mean is average of all recorded values, Diversion Mean is average of all recorded values above zero, ------ indicates no data were collected.



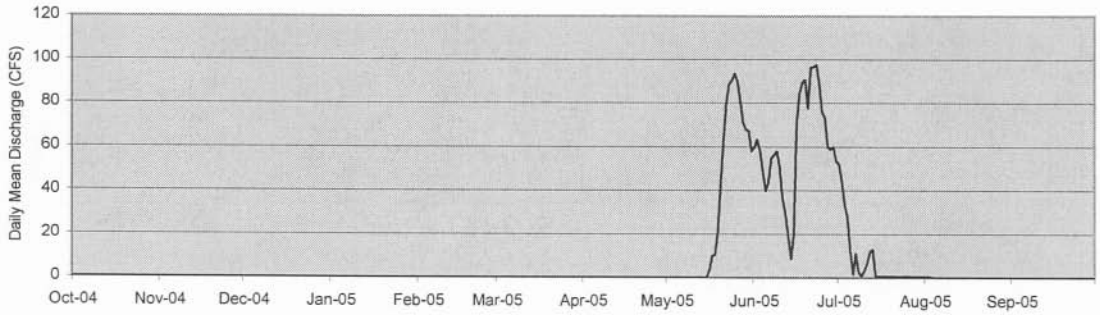
Appendix D (14 of 15)
South Fork Feeder Conduit near Norrie, CO

Location. --Lat 39°14'16", long 106°35'23", Pitkin County, Hydrologic Unit 14010004, on right bank, 110 ft downstream from diversion point on the South Fork Fryingpan River and 7.2 mi southeast of Norrie.
Gage.—Water-stage recorder and modified 8 ft Parshall flume. Elevation of gage is 10,000 ft from topographic map.
Remarks.—This is a trans-mountain diversion from the South Fork Fryingpan River in the Roaring Fork Basin through the Fryingpan-Arkansas Project Collection system and Charles H. Boustead tunnel to the Arkansas River basin. Diversion began on 16-May-2005 and ceased 27-July-2005. Recorder was operated 19-April-2005 through 10-August-2005. Record is complete and reliable.

Discharge, Cubic Feet Per Second, Daily Mean Values

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	------	------	------	------	------	------	------	0	60	52	0	------
2	------	------	------	------	------	------	------	0	63	44	0	------
3	------	------	------	------	------	------	------	0	58	33	0	------
4	------	------	------	------	------	------	------	0	49	28	0	------
5	------	------	------	------	------	------	------	0	40	13	0	------
6	------	------	------	------	------	------	------	0	44	2	0	------
7	------	------	------	------	------	------	------	0	55	11	0	------
8	------	------	------	------	------	------	------	0	56	2	0	------
9	------	------	------	------	------	------	------	0	58	1	0	------
10	------	------	------	------	------	------	------	0	51	3	0	------
11	------	------	------	------	------	------	------	0	37	6	------	------
12	------	------	------	------	------	------	------	0	30	12	------	------
13	------	------	------	------	------	------	------	0	19	13	------	------
14	------	------	------	------	------	------	------	0	9	1	------	------
15	------	------	------	------	------	------	------	0	20	1	------	------
16	------	------	------	------	------	------	------	3	70	1	------	------
17	------	------	------	------	------	------	------	10	84	1	------	------
18	------	------	------	------	------	------	------	11	90	1	------	------
19	------	------	------	------	------	------	0	21	91	1	------	------
20	------	------	------	------	------	------	0	42	78	1	------	------
21	------	------	------	------	------	------	0	62	96	1	------	------
22	------	------	------	------	------	------	0	79	97	1	------	------
23	------	------	------	------	------	------	0	89	98	0	------	------
24	------	------	------	------	------	------	0	90	89	1	------	------
25	------	------	------	------	------	------	0	93	76	1	------	------
26	------	------	------	------	------	------	0	90	73	1	------	------
27	------	------	------	------	------	------	0	81	60	1	------	------
28	------	------	------	------	------	------	0	71	59	0	------	------
29	------	------	------	------		------	0	68	60	0	------	------
30	------	------	------	------		------	0	67	54	0	------	------
31	------		------	------		------		58		0	------	
Min	0	0	0	0	0	0	0	0	9	0	0	0
Max	0	0	0	0	0	0	0	93	98	52	0	0
Mon Mean	0	0	0	0	0	0	0	47	61	7	0	0
Div Mean	0	0	0	0	0	0	0	58	61	8	0	0
Ac-Ft	0	0	0	0	0	0	0	1854	3606	456	0	0

Water Year total – 5916 Ac-Ft, Maximum Discharge 114 CFS at 2000 hours, 23-June-2005
Monthly Mean is average of all recorded values, Diversion Mean is average of all recorded values above zero, ------ indicates no data were collected



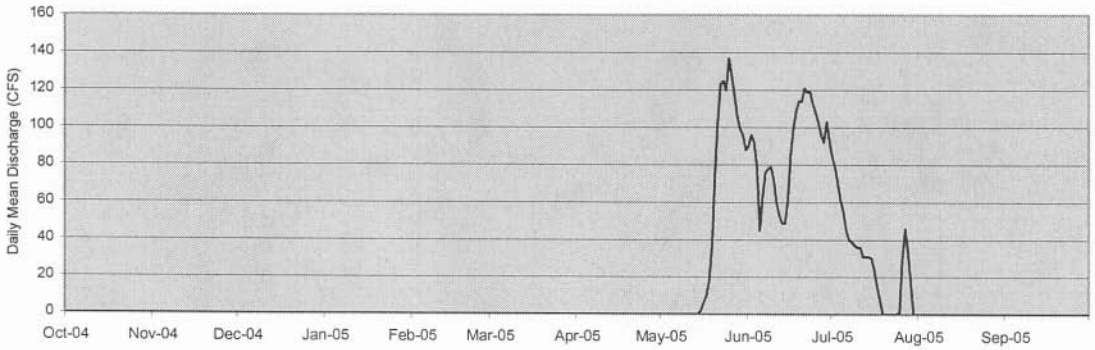
Appendix D (15 of 15)
Fryingpan Feeder Conduit near Norrie, CO

Location. --Lat 39°14'42", long 106°31'52", Pitkin County, Hydrologic Unit 14010004, on right bank, 210 ft downstream from diversion point on the Fryingpan River and 9.1 mi southeast of Norrie.
Gage.—Water-stage recorder and modified 12 ft Parshall flume. Elevation of gage is 9950 ft from topo graphic map.
Remarks.---This is a trans-mountain diversion from the Fryingpan River in the Roaring Fork Basin through the Fryingpan-Arkansas Project Collection system and Charles H. Boustead tunnel to the Arkansas River basin. Diversion began on 15-May-2005 and ceased 29-July-2005. Recorder was operated 15-April-2005 through 09-August-2005. Record is complete and reliable.

Discharge, Cubic Feet Per Second, Daily Mean Values

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	------	------	------	------	------	------	------	0	90	84	0	------
2	------	------	------	------	------	------	------	0	96	79	0	------
3	------	------	------	------	------	------	------	0	92	70	0	------
4	------	------	------	------	------	------	------	0	79	61	0	------
5	------	------	------	------	------	------	------	0	45	55	0	------
6	------	------	------	------	------	------	------	0	63	45	0	------
7	------	------	------	------	------	------	------	0	76	40	0	------
8	------	------	------	------	------	------	------	0	78	39	0	------
9	------	------	------	------	------	------	------	0	79	37	0	------
10	------	------	------	------	------	------	------	0	72	36	------	------
11	------	------	------	------	------	------	------	0	60	36	------	------
12	------	------	------	------	------	------	------	0	53	31	------	------
13	------	------	------	------	------	------	------	0	49	31	------	------
14	------	------	------	------	------	------	------	0	49	31	------	------
15	------	------	------	------	------	------	0	2	61	30	------	------
16	------	------	------	------	------	------	0	6	85	24	------	------
17	------	------	------	------	------	------	0	10	99	15	------	------
18	------	------	------	------	------	------	0	18	109	8	------	------
19	------	------	------	------	------	------	0	37	114	0	------	------
20	------	------	------	------	------	------	0	74	114	0	------	------
21	------	------	------	------	------	------	0	103	121	0	------	------
22	------	------	------	------	------	------	0	123	119	0	------	------
23	------	------	------	------	------	------	0	125	119	0	------	------
24	------	------	------	------	------	------	0	120	113	0	------	------
25	------	------	------	------	------	------	0	137	108	1	------	------
26	------	------	------	------	------	------	0	128	103	30	------	------
27	------	------	------	------	------	------	0	117	96	46	------	------
28	------	------	------	------	------	------	0	106	92	34	------	------
29	------	------	------	------		------	0	99	103	17	------	------
30	------	------	------	------		------	0	96	93	0	------	------
31	------		------	------		------		88		0	------	
Min	0	0	0	0	0	0	0	0	45	0	0	0
Max	0	0	0	0	0	0	0	137	121	84	0	0
Mon Mean	0	0	0	0	0	0	0	66	88	28	0	0
Div Mean	0	0	0	0	0	0	0	82	88	40	0	0
Ac-Ft	0	0	0	0	0	0	0	2752	5208	1743	0	0

Water Year total – 9703 Ac-Ft, Maximum Discharge 159 CFS at 1915 hrs, 25-May-2005 , Monthly Mean is average of all recorded values, Diversion Mean is average of all recorded values above zero, ------ indicates no data were collected



87th Congress, 1st Session - House Document No. 130

OPERATING PRINCIPLES

FRYINGPAN-ARKANSAS PROJECT

ADOPTED BY THE STATE OF COLORADO

APRIL 30, 1959

(As amended December 30, 1959,
and December 9, 1960)

MARCH 15, 1961----Ordered to be printed

U. S. GOVERNMENT PRINTING OFFICE
WASHINGTON: 1961

H. RES. 91

In the House of Representatives, U. S.,
March 15, 1961.

Resolved, That there be printed as a House document the publication entitled "Operating Principles, Fryingpan-Arkansas Project, Adopted by the State of Colorado, April 30, 1959 (as amended December 30, 1959, and December 9, 1960)", and that there be printed for the use of the Committee on Interior and Insular Affairs one thousand additional copies.

Attest:

Ralph R. Roberts, Clerk.

OPERATING PRINCIPLES, FRYINGPAN-ARKANSAS PROJECT

ADOPTED BY THE STATE OF COLORADO, APRIL 30, 1959

(As Amended December 30, 1959, and December 9, 1960)

The construction and operation of the project involve the diversion of water from the headwaters of the Fryingpan River and other tributaries of the Roaring Fork River to the Arkansas River Basin. The project contemplates

(a) The maximum conservation and use of water;

(b) The protection of western Colorado water uses, both existing and potential, in accordance with the declared policy of the State of Colorado; and

(c) The preservation of recreational values.

In order to accomplish such purposes, the project shall be operated by the United States in compliance with the Federal reclamation laws, the laws of the State of Colorado relating to the appropriation, use, or distribution of water, and the following operating principles:

1. As used herein:

(a) "Project" means that certain enterprise planned and designed by the Bureau of Reclamation, Department of the Interior, for the transmountain diversion of water from the headwaters of the Fryingpan River and other tributaries of the Roaring Fork River to the basin of the Arkansas River, together with all of its appurtenant works and facilities in both eastern and western Colorado.

(b) "Eastern Colorado" means that portion of the State of Colorado lying within the natural drainage basin of the Arkansas River.

(c) "Western Colorado" means that portion of the State of Colorado lying within the natural drainage basin of the Colorado River and served by diversions made from the Colorado River, or its tributaries, above its confluence with the Gunnison River.

(d) "Southeastern Colorado Water Conservancy District" means that entity created to contract for payment to the United States of an appropriate portion of project cost allocated to certain water uses in eastern Colorado.

(e) "Colorado River Water Conservation District" means that entity created by Colorado Revised Statutes 1953, 149-8, as amended.

(f) "Southwestern Water Conservation District" means that entity created by Colorado Revised Statutes 1953, 149-9, as amended.

(g) "Ruedi Reservoir" means the reservoir presently planned for construction on the Fryingpan River above the town of Basalt as part of the project.

(h) "Ashcroft Reservoir" means not only the reservoir contemplated for construction on Castle Creek, a tributary of the Roaring Fork River, but also, unless the context requires otherwise, any other reservoir that may be constructed in the Roaring Fork basin above the town of Aspen in lieu of that reservoir.

(i) "cfs" means cubic feet of water per second of time.

2. The Ruedi Reservoir shall be constructed and maintained on the Fryingpan River above the town of Basalt with an active capacity of not less than 100,000 acre-feet. In addition thereto and in order to offset adverse streamflow conditions on the Roaring Fork River above the town of Aspen which might occur as a result of the project enlargement of the Twin Lakes Reservoir, the Ashcroft Reservoir on Castle Creek, or some reservoir in lieu thereof, shall be constructed on the Roaring Fork drainage above Aspen to a capacity of approximately 5,000 acre-feet: Providing, However, That the Ashcroft Reservoir shall be constructed only if the Secretary of the Interior after appropriate study shall determine that its benefits exceed the costs: And providing further, That no part of the construction, operation, or maintenance of said Ashcroft Reservoir shall be chargeable to the Fryingpan-Arkansas project.

All of such stored water shall be released under the conditions and limitations hereinafter set forth.

3. The receipts from the sale of water from Ruedi Reservoir, as permitted in paragraph 6(b) hereof, shall be applied solely to the operation and maintenance costs and to those reimbursable construction costs of said reservoir which exceed $7,600,000. The cost of perpetual operation and maintenance of the Ruedi Reservoir shall be borne by users of project water and users of water stored in Ruedi Reservoir in such proportion as may be determined by the Secretary of the Interior.

4. The inclusion of the Ruedi Reservoir in the project shall not preclude the construction of any other replacement or regulatory reservoirs on the Colorado River or its tributaries above Cameo gaging station.

5. The Ruedi Reservoir shall be completed and in operation before any water is diverted to eastern Colorado by means of the project.

6. (a) The replacement capacity of Ruedi Reservoir, and any reservoir constructed in addition thereto, is that portion of the total reservoir capacity required to permit project diversions at times when such diversions could not otherwise be made because of simultaneous demands of senior diversions in western Colorado existing at the time of the adoption of these operating principles, and shall be so operated to accomplish this purpose. Water stored in such capacity shall be released by the United States, upon the request of the Colorado State engineer, to the extent that water would have been available to said decreed rights except for stream depletion resulting from diversions by this project to the Arkansas Valley.

(b) The regulatory capacity of Ruedi Reservoir, and any reservoir constructed in addition thereto, is that portion of the total reservoir capacity not needed for replacement purposes. Water stored in such category may be sold or leased by the United States to water users in Colorado for any purpose recognized by the laws of the United States: Provided, That the sale of water for use outside the natural basin of the Colorado River can only be made with the consent of the Colorado River Water Conservation District. Charges for the use of such water shall be established by the Secretary of

the Interior by appropriate contract in accordance with the payment ability of such water users.

7. The primary purpose of Ruedi Reservoir, and any reservoir constructed in addition thereto, is to furnish, to the extent of its capacity, in like manner as if the project were constructed by a water conservancy district organized pursuant to the laws of the State of Colorado, the water required for the protection of western Colorado water users by the provisions of Colorado Revised Statutes 1953, 149-6-13, reading as follows:

However, any works or facilities planned and designed for the exportation of district created under this article, shall be subject to the provisions of the Colorado River water from the natural basin of the Colorado River and its tributaries in Colorado, by any compact and the Boulder Canyon Project Act. Any such works or facilities shall be designed, constructed and operated in such a manner that the present appropriations of water, and in addition thereto prospective uses of water for irrigation and other beneficial consumptive use purposes, including consumptive uses for domestic, mining, and industrial purposes, within the natural basin of the Colorado River in the State of Colorado, from which water is exported, will not be impaired nor increased in cost at the expense of the water users within the natural basin. The facilities and other means for the accomplishment of said purpose shall be incorporated in, and made a part of any project plans for the exportation of water from said natural basin in Colorado.

8. Project diversions from Lime Creek shall be made only in the months of May and June of each year, unless the Colorado River Water Conservation District shall, by written communication, advise the Colorado State engineer that additional diversions can be made.

9 The respective decrees which may be or have been awarded to the parties hereto as a part of the Fryingpan-Arkansas project and Basalt project shall be administered by the proper officials of the State of Colorado, in accordance with the applicable laws of the State of Colorado, and with the following principles and procedures, to wit:

(1) That the demand on the waters available under such decrees shall be allocated in the following sequence:

(a) For diversion to the Arkansas Valley through the collection system and the facilities of the Fryingpan-Arkansas project in an amount not exceeding an aggregate of 120,000 acre-feet of water in any year, but not to exceed a total aggregate of 2,352,800 acre-feet in any period of 34 consecutive years reckoned in continuing progressive series starting with the first full year of diversions, both limitations herein being exclusive of Roaring Fork exchanges as provided in (c) below, and exclusive of diversions for the Busk-Ivanhoe decree; and with the further and absolute limitation that in order to protect existing and future beneficial uses of water in Western Colorado, including recreational and fishing values, the State engineer shall so regulate the transmountain diversions above referred to, to the end that no diversions shall be made which will reduce the remaining aggregate streamflows to less than either of the following minimum standards:

(i) The Fryingpan collection system at the points of diversion collectively, exclusive of Lime Creek: 15 cfs October 1 through March 31; 30 cfs April 1 through September 30.

(ii) Near Norrie (immediately below the junction of North Fork and Fryingpan River): 30 cfs October 1 through March 31; 100 cfs April 1 through April 30; 150 cfs May 1 through May 31; 200 cfs June 1 through June 30; 100 cfs July 1 through July 31; 75 cfs August 1 through August 31; 65 cfs September 1 through September 30.

In maintaining the above minimum standards, the project diversions shall be regulated, so far as is practicable, in such a manner that the North Fork of the Fryingpan River, the Fryingpan River, and each of the tributaries of those streams, shall contribute to the residual streamflows required by those minimum standards quantities of water in proportion to their natural contributions.

(b) For storage in Ruedi Reservoir to the extent of its actual capacity, which is to be not less than 100,000 acre-feet.

(c) For 3,000 acre-feet annually, to the extent that it is available in excess of (a) and (b) above, or such part thereof as may be required, to be delivered to the Twin Lakes Reservoir and Canal Company in exchange for equivalent releases from the headwaters of the Roaring Fork River which would otherwise be diverted through such Twin Lakes Reservoir and Canal Company collection and diversion system.

(d) For any other beneficial use in western Colorado in accordance with court decree, but not herein contemplated.

(2) The effectuation of the above principles requires concurrent Fryingpan-Arkansas project diversion and Ruedi Reservoir storage to be accomplished in the manner following: The State engineer annually shall collect pertinent data, including information pertaining to snowpack and all other available evidence, and shall thereafter so divide and apportion the surface runoff as to achieve, as nearly as possible, the foregoing division of water and the maximum of concurrent diversions and storage. The diversions herein contemplated shall be on the basis of a water year hereby defined as that interim of October 1 through the following September 30.

10. For the protection of recreational values, including fishing, on the Fryingpan River below Ruedi Reservoir, releases of water from said reservoir, not to exceed the stream inflow, shall be made so that the streamflow immediately below the junction of the Fryingpan River and Rocky Fork shall not be reduced below 39 cfs from November 1 to April 30, and 110 cfs from May 1 to October 30, or as actual experience or court decree hereafter dictate.

11. An appropriate written contract may be made whereby Twin Lakes Reservoir and Canal Company shall refrain from diverting water whenever the natural flow of the Roaring Fork River and its tributaries shall be only sufficient to maintain a flow equal to or less than that required to maintain the recommended average flows in the Roaring Fork River immediately above its confluence with Difficult

Creek in a quantity proportionate to the respective natural flow of the Roaring Fork River. The recommended average flows above mentioned are flows in quantities equal to those recommended as a minimum immediately above its confluence with Difficult Creek according to the following schedule submitted by the United States Fish and Wildlife Service and the Colorado Game and Fish Commission:

Month	Average Second-feet	Acre-feet (thousands)	Month	Average Second-feet	Acre-feet (thousands)
October	44	2.7	May	100	6.2
November	35	2.1	June	120	7.1
December	29	1.8	July	100	6.2
February	25	1.4	September	44	2.6
March	24	1.5			
April	64	3.8	Total		40.9

In maintaining the above averages, at no time shall the flow be reduced below 15 cfs during the months of August to April, inclusive, or below 60 cfs during the months of May to July, inclusive, providing the natural flow during said period is not less than these amounts. The obligation to supply the minimum streamflow as set forth in Ahe above table on the Roaring Fork River shall, to the extent of 3,000 acre-feet annually, be a project obligation to be supplied from any waters diverted from the south tributaries of Hunter Creek, Lime Creek, Last Chance Creek, or any of them.

The Twin Lakes Reservoir and Canal Company shall not be required to refrain from diverting water under its existing decrees from the Roaring Fork River except to the extent that a like quantity of replacement water is furnished to said company without charge therefore through and by means of project diversions and storage.

If by reason of storage capacity in the Ruedi Reservoir, or any reservoir constructed in addition thereto, the Twin Lakes Reservoir and Canal Company derives additional water or other benefits or advantages it would not have realized had this project not been constructed, then nothing herein contained shall prevent the project from making appropriate charges for such water or other benefits or advantages. All revenues derived from the use of water stored in Ashcroft Reservoir shall be used to assist in the repayment of the construction, operation, and maintenance costs of that reservoir, or any reservoir constructed in lieu thereof, as may be determined by the Secretary of the Interior.

12. All lands acquired and held for project construction and operation and water surfaces of project reservoirs will be open to the public for recreational purposes, excepting those areas reserved by the operating agency.

13. The project will be operated in such a manner that those in eastern Colorado using project water imported from the Colorado River Basin for domestic purposes shall have preference over those claiming or using water for any other purpose.

14. The project is to be operated in such a manner as to secure the greatest benefit from the use and reuse of imported project waters within project boundaries in the State of Colorado

15. Any and all benefits and rights of western Colorado water users in and to water stored in Green Mountain Reservoir, as described and defined in Senate Document 80, 75th Congress, 1st session, shall not be impaired or diminished by this project.

16. The project, its operation, maintenance, and use shall be subject to the provisions of the Upper Colorado River Basin Compact of October 11, 1948 (Public Law 37, 81st Congress, 1st session), and the Colorado River Compact of November 24, 1922 (House Document 605, 67th Congress, 4th session).

17. The Colorado River Water Conservation District of the State of Colorado shall acquire title to storage of water in Ruedi Reservoir and any reservoir constructed in addition thereto, by appropriate proceedings in the courts of the State of Colorado. The Southeastern Colorado Water Conservancy District of the State of Colorado shall likewise acquire title to the water required by the project for diversion to the Arkansas Valley. The Secretary of the Interior shall at any time after the authorization of the project have the option to obtain or require the transfer to the United States of any and all rights initiated or acquired by appropriation as herein set forth: Provided, however, That the rights so taken shall be subject to a beneficial use of such water as may be provided in the repayment contract or contracts, and subject to all the operating principles herein set forth.

18. No transmountain diversion of water shall ever be made through the collection and diversion system of the Fryingpan-Arkansas project in excess of the quantitative limitations and conditions established by this document: Provided, however, That when under the laws of the State of Colorado, there may be additional water available for such collection and diversion which is not at the time of diversion required for beneficial use in western Colorado or for filling interstate water compact agreements, then such water may be collected and diverted for beneficial use in the Arkansas Valley: Provided further, That such additional diversion shall only be made with the mutual consent of each of the following agencies of the State of Colorado, to wit: the Colorado Water Conservation Board, the Southwestern Water Conservation District, the Colorado River Water Conservation District, and the Southeastern Colorado Water Conservancy District.

19. To assure project operation in conformity with the operating principle heretofore stated, to provide a means for the collection and interchange of information, and to provide a method for the continued study of project operations to the end that, if the stated operating principles may be improved upon, recommendations for changes may be made to the contracting parties, a commission shall be created in an appropriate manner to be composed of one representative of the Southeastern Colorado Water Conservancy District, one representative of the Colorado River Water Conservation District, two representatives of the United States, and one representative of the State of Colorado appointed by the Colorado Water Conservation Board after

consultation with the Colorado Game and Fish Commission. The powers of such commission shall be limited to the collection of data, the making of findings of fact, and the suggestion of changes in operating principles.

These operating principles shall be deemed to have amended and take the place of those operating principles signed and executed on April 30, 1959. These operating principles shall be and do constitute a contract between the signatory parties, and shall inure to the benefit of and shall be and remain binding upon said parties, their respective successors and assigns.

Executed as amended at Denver, Colorado, this 9th day of December 1960.

COLORADO WATER CONSERVATION BOARD
Steve McNichols, Chairman;
Governor, State of Colorado

Attest:
Felix L. Sparks,
Director and Secretary

SOUTHEASTERN COLORADO WATER CONSERVANCY DISTRICT
By J. Selby Young, President

Attest:
J. G. Shoun,
Secretary

COLORADO RIVER WATER CONSERVATION DISTRICT
By A. Allen Brown, President

Attest:
Philip P. Smith,
Secretary

SOUTHWESTERN WATER CONSERVATION DISTRICT
By Ira E. Kelly, President

Attest:
Archie B. Toner,
Secretary