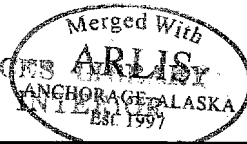


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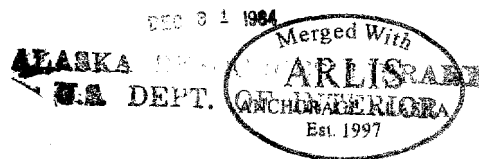
WEEKLY FLOW DURATION CURVES AND OBSERVED AND FILLED WEEKLY FLOWS FOR THE SUSITNA RIVER BASIN

FINAL REPORT

HAI A-EBASCO
SI A JOINT VENTURE

**OCTOBER 1984
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SUSITNA HYDROELECTRIC PROJECT

WEEKLY FLOW DURATION CURVES AND OBSERVED AND FILLED WEEKLY FLOWS FOR THE SUSITNA RIVER BASIN

Report by
Harza-Ebasco Susitna Joint Venture

Prepared for
Alaska Power Authority

Final Report
October 1984

ARLIS
Alaska Resources
Library & Information Services
Anchorage, Alaska

NOTICE

**ANY QUESTIONS OR COMMENTS CONCERNING
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SUSITNA PROJECT OFFICE**

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TABLE OF CONTENTS

<u>SECTION/TITLE</u>	<u>Page</u>
LIST OF TABLES	11
LIST OF EXHIBITS	111
1.0 SUMMARY	1-1
2.0 BACKGROUND	2-1
3.0 SCOPE OF THE STUDY	3-1
4.0 STREAMFLOW GENERATION	4-1
5.0 WEEKLY FLOWS UNDER WITH-PROJECT CONDITIONS	5-1
6.0 FLOW DURATION CURVES	6-1
REFERENCES	
TABLES	
EXHIBITS	

LIST OF TABLES

<u>Number</u>	<u>Title</u>
1	Observed Weekly Flows for Susitna River at Gold Creek
2	Observed Weekly Flows for Chulitna River near Talkeetna
3	Observed Weekly Flows for Talkeetna River near Talkeetna
4	Observed Weekly Flows for Skwentna River near Skwentna
5	Observed Weekly Flows for Susitna River at Susitna Station
6	Observed Weekly Flows for Susitna River at Sunshine
7	Filled Weekly Flows for Chulitna River near Talkeetna
8	Filled Weekly Flows for Talkeetna River near Talkeetna
9	Filled Weekly Flows for Skwentna River near Skwentna
10	Filled Weekly Flows for Susitna River near Susitna Station
11	Computed Weekly Flows for Susitna River at Sunshine
12	Computed Weekly Flows for Susitna River at Watana Damsite
13	Computed Weekly Flows for Susitna River at Devil Canyon Damsite
14	Flow Duration Data at Gold Creek for Natural Conditions
15	Flow Duration Data at Sunshine for Natural Conditions
16	Flow Duration Data at Susitna Station for Natural Conditions
17	Flow Duration Data at Gold Creek for 1996 Load Conditions
18	Flow Duration Data at Sunshine for 1996 Load Conditions
19	Flow Duration Data at Susitna Station for 1996 Load Conditions
20	Flow Duration Data at Gold Creek for 2020 Load Conditions
21	Flow Duration Data at Sunshine for 2020 Load Conditions
22	Flow Duration Data at Susitna Station for 2020 Load Conditions

LIST OF EXHIBITS

Number	Title
1	Location Map
2	Available Mean Daily Streamflow Data
3	Flow Duration Curves based on Weekly Discharge at Gold Creek for Natural Conditions and With-project for 1996 Load Conditions
4	Flow Duration Curves based on Weekly Discharge at Sunshine for Natural Condition and With-project for 1996 Load Conditions
5	Flow Duration Curves based On Weekly Discharge at Susitna Station for Natural Conditions and with-project for 1996 Load Conditions
6	Flow Duration Curves based on Weekly Discharge at Gold Creek for Natural Conditions and With-project for 2020 Load Conditions
7	Flow Duration Curves based on Weekly Discharge at Sunshine for Natural Conditions and With-project for 2020 Load Conditions
8	Flow Duration Curves based on Weekly Discharge at Susitna Station for Natural Conditions and With-project for 2020 Load Conditions
9	Flow Duration Curves based on Weekly Discharge for the Week 52 (Sep. 23-30), Susitna River at Gold Creek for Natural Conditions and with-project for 1996 Load Conditions.
10	Flow Duration Curves based on Weekly Discharge for the Week 52 (Sep. 23-30), Susitna River at Gold Creek for Natural Conditions and with-project for 2020 Load Conditions.
11	Flow Duration Curves based on Weekly Discharge for the Week 52 (Sep. 23-30), Susitna River at Sunshine for Natural Conditions and with-project for 1996 Load Conditions.
12	Flow Duration Curves based on Weekly Discharge for the Week 52 (Sep. 23-30), Susitna River at Sunshine Natural Conditions and with-project for 2020 Load Conditions.
13	Flow Duration Curves based on Weekly Discharge for the Week 52 (Sep. 23-30), Susitna River at Susitna Station for Natural Conditions and with-project for 1996 Load Conditions.
14	Flow Duration Curves based on Weekly Discharge for the Week 52 (Sep. 23-30), Susitna River at Susitna Station for Natural Conditions and with-project for 2020 Load Conditions.

1.0 SUMMARY

1.0 SUMMARY

Flow duration curves were derived for natural and with-project conditions for the Susitna River at Gold Creek, Sunshine and Susitna Stations. Each water year (October 1 through September 30) was divided into 7-day periods for the computations. The flow requirements were those for Case C as given in the Application for License (ACRES, February 1983) and energy demands of 1996 and 2020. Exhibits 3 through 5 show the 7-day flow duration curves for natural and with-project conditions using the 1996 energy demand. The corresponding curves for the 2020 demand are shown Exhibits 6 through 8. The flow duration data also are given in Tables 14 through 22.

The results indicate that with-project flows are generally higher than the natural flows for the period of October through April, lower for the period of May through August, and about equal for the period of September.

The flow duration curves indicate a decrease in the difference between the natural and with-project flows as the distance increases downstream from Gold Creek. This is because of the flows from the tributaries joining the Susitna River downstream from Gold Creek. The flows from the Chulitna River, Talkeetna River, and Yentna River have the most significant effects.

The results of this study are likely to be changed in the future if the project operation is changed or the predicted energy demands are modified.

2.0 BACKGROUND

2.0 BACKRGOUND

Acres American Incorporated (ACRES) generated 32 years (1950-1981) of monthly streamflow series at the Watana and Devil Canyon sites (ACRES, 1982) to investigate various reservoir operation scenarios for the Susitna Hydroelectric Project. Monthly and annual flow duration curves also were developed for Watana, Gold Creek, Sunshine and Susitna Stations based on the generated flows. The curves were developed for natural and with-project conditions. The purpose of these curves was to demonstrate the flow variability under natural conditions and with-project operations (ACRES, February 1983).

Since the ACRES' study, the projected energy demand levels and downstream water requirements have been modified. This, of course would affect the reservoir operation, and it is necessary that the flow variability be reevaluated accordingly.

3.0 SCOPE OF THE STUDY

3.0 SCOPE OF THE STUDY

The major work items of the present study include:

1. A review of updated streamflow data;
2. Computations of observed weekly mean flows;
3. Estimation of missing weekly flows within the period from October 1949 through September 1983;
4. Computations of weekly flows under with-project conditions; and
5. Preparation of flow duration curves for natural and with-project conditions (1996 and 2020 energy demands) for Gold Creek, Sunshine and Susitna Station.

4.0 STREAMFLOW GENERATION

4.0 STREAMFLOW GENERATION

Streamflow data at six gaging stations (Exhibit 1) on the Susitna River and its tributaries were used in this study. The longest period of record is available for the station at Gold Creek (1949-1983). At the other stations, the period of record varies from 2.5 to 19 years. A computer program FILLIN developed by the Texas Water Development Board (TWDB, January 1972) was used to extend the weekly data or estimate the missing weekly flows for a common period of 34 years from 1949 to 1983 for all stations. The flow data for the water year 1983 were the preliminary data obtained from the United States Geological Survey, Water Resources Division, Anchorage, Alaska. The periods for which observed data were available and the periods for which the data were estimated are shown on Exhibit 2.

The FILLIN computer program is based on a multi-site regression technique which analyzes observed monthly streamflow series and fills-in missing portions of incomplete records. It evaluates the statistical parameters (means, standard deviation, lag-one auto-correlation coefficients and multi-site spatial correlation coefficients) and generates filled-in data in which the statistical parameters are preserved. The program was modified for application on weekly flows.

The observed daily flows at the selected gaging stations (located downstream from Devil Canyon and with more than 2 years of flow data) were used to compute weekly mean flows starting at the beginning of each water year (October 1). Flow on February 29 of leap years was disregarded because of the generally small amount of flow during winter. The flow on September 30 of each year was added to the flow of week 52 for that year. The 8-day total for week 52 was divided by 7 to be consistent with the data used by ACRES for FERC Application. The resulting weekly flow data are given in Tables 1 through 6. All of the missing data within the period from 1950 through 1983, are filled with -1.0 for computational conveniences.

The observed weekly flows except those for the Susitna River at Sunshine were used to generate missing weekly flows for the Chulitna and Talkeetna rivers near Talkeetna, Skwentna River near Skwentna and Susitna River at Susitna Station by the program FILLIN. The filled-in as well as the observed data are given in Tables 7 to 10.

The period of record for Sunshine Station is only 2.5 years. These data were not used in the analysis to avoid undue bias in the statistical parameters computed by the program FILLIN.

The missing weekly flows at Sunshine were, however, estimated based on drainage area ratio of 1.034 times the sum of weekly flows at Gold Creek, Chulitna River near Talkeetna, and Talkeetna River near Talkeetna. The travel time between Gold Creek and Shumshine is less than one day and should not affect the validity of the computations. Table 11 shows the resulting weekly data for Sunshine.

The weekly flows at the Watana and Devil Canyon damsites were computed by adjusting the weekly flows at Gold Creek with the ratio between the drainage areas upstream from the sites and that upstream from Gold Creek. The resulting weekly flow are shown in Tables 12 and 13.

5.0 WEEKLY FLOWS UNDER WITH-PROJECT CONDITIONS

5.0 WEEKLY FLOWS UNDER WITH-PROJECT CONDITIONS

The weekly reservoir releases under with-project conditions, for Scenario C and the energy demands for 1996 (Watana Reservoir only) and 2020 (Watana and Devil Canyon), were obtained from the reservoir operation studies.

The weekly flows at Gold Creek, Sunshine and Susitna Stations under with-project conditions were computed as follows:

- a. For the energy demand of 1996:

$$QW_I = QN_I + QW_W - QN_W, \text{ and}$$

- b. For the energy demand of 2020:

$$QW_I = QN_I + QW_D - QN_D$$

where: QW_I = With-project weekly flows at Gold Creek, Sunshine or
Susitna Station

QN_I = Natural weekly flows at Gold Creek, Sunshine or
Susitna Station

QW_W = With-project weekly outflows at Watana damsite

QN_W = Natural weekly flows at Watana damsite

QW_D = With-project weekly outflows at Devil Canyon damsite

QN_D = Natural weekly flows at Devil Canyon damsite

The Case C flow requirements given in Table B.54 of the License Application were modified slightly for the reservoir operation studies. This was done to provide for one week transition periods at the beginning and end of the August-September 12,000 cfs minimum flow period. The following table gives the differences between Case C as presented in the License Application and the modified flow requirements used in the reservoir operations studies.

Comparison of Case C
Flow Requirements with
Modified Flow Requirements
Using Weekly Average Flows

<u>Water Week</u>	<u>Period</u>	<u>Case C Flow Requirement (cfs)</u>	<u>Modified Flow Requirement (cfs)</u>
43	7/22 - 7/28	6400	6000
44	7/29 - 8/04	11100	8140
45	8/05 - 8/11	12000	12000
46	8/12 - 8/18	12000	12000
47	8/19 - 8/25	12000	12000
48	8/26 - 9/01	12000	12000
49	9/02 - 9/08	12000	12000
50	9/09 - 9/15	11900	12000
51	9/16 - 9/22	7400	8140
52	9/23 - 9/30	6000	6000

The effect of this modification on the flow duration curves is relatively small and would have an insignificant effect on the hydrologic and hydraulic studies for which these reservoir operation studies and flow duration curves were used.

6.0 FLOW DURATION CURVES

6.0 FLOW DURATION CURVES

An in-house computer program FLOWDUR was used for the computations of flow duration curves at Gold Creek, Sunshine, and Susitna Station. Flow duration curves based on the weekly mean flows for natural conditions and 1996 energy demand conditions are shown on Exhibits 3 to 5. Flow duration curves for natural conditions and 2020 energy demand conditions are shown on Exhibit 6 to 8. The flow duration data also are tabulated in Tables 14 to 22. The flow duration curves for the week 52 (Sheet 13 of 13, Exhibits 3 through 8) are based on weekly flows derived as "total 8-day flow divided by 7". This gives higher flow values for this week compared to the values derived as the mean flow for 8-day period (see last page of Tables 14 through 22). Exhibits 9 through 14 provide a comparison between flow duration curves based on weekly mean flow for 8-day period and those based on total 8-day flow divided by 7. The difference between two sets of curves is about 14 percent for a given percentage.

REFERENCES

REFERENCES

Acres American Incorporated, "Feasibility Report, Volume 4. Appendix A, Hydrological Studies, Final Draft, Susitna Hydroelectric Project, prepared for Alaska Power Authority, also subsequent updates," 1982.

Acres American Incorporated, "Before the Federal Energy Regulatory Commission, Application for License for Major Project, Susitna Hydroelectric Project, Volume 5A, Exhibit E, Chapter 2," prepared for Alaska Power Authority, February 1983.

Texas Water Development Board, "A Completion Report on Stochastic Optimization and Simulation Techniques for Management of Regional Water Resource System - Volume IIB - FILLIN-1 Program Description," December 1970, Second Printing, January 1972.

TABLE 1

**Observed Weekly Flows for
Susitna River at Gold Creek**

TABLE 1

OBSERVED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT GOLD CREEK

1950	12856.	5740.	4200.	3800.	3343.	2986.	2514.	2471.	1700.	1700.
	1586.	1314.	1129.	1014.	979.	986.	1100.	1100.	971.	686.
	629.	710.	711.	666.	720.	801.	774.	783.	849.	1009.
	2314.	8007.	13671.	14200.	17914.	17100.	16571.	26171.	19343.	19957.
	21229.	23214.	25243.	25100.	23129.	21157.	17443.	13171.	9263.	10500.
	7100.	7186.								
1951	5257.	4686.	4091.	2334.	1471.	1386.	1300.	1229.	1171.	1100.
	1100.	1100.	1100.	980.	960.	960.	960.	900.	820.	820.
	820.	786.	740.	740.	740.	740.	774.	997.	1529.	2657.
	6157.	17329.	19271.	9567.	16671.	29543.	21300.	13543.	19071.	20729.
	24343.	23286.	21414.	21429.	17614.	18714.	18314.	25600.	30057.	18671.
	19286.	18657.								
1952	9229.	6171.	4486.	3486.	3500.	3204.	2369.	2343.	2186.	1900.
	1900.	1900.	1900.	1643.	1600.	1600.	1600.	1343.	1000.	1000.
	1000.	949.	880.	880.	880.	880.	920.	920.	920.	920.
	1191.	1514.	2071.	4486.	21929.	24814.	35143.	38114.	33729.	27629.
	19629.	25086.	27186.	37243.	25071.	19686.	14943.	17329.	18886.	12771.
	11029.	15086.								
1953	11143.	10390.	7233.	5271.	5000.	4257.	2729.	3343.	2429.	1700.
	1700.	1700.	1700.	1186.	1100.	1100.	1100.	980.	820.	820.
	820.	820.	820.	820.	820.	820.	930.	930.	1504.	2500.
	14129.	16814.	15300.	26386.	20743.	35114.	27114.	22071.	25829.	20229.
	18271.	19871.	20657.	25643.	21857.	17514.	18029.	21500.	18786.	17114.
	14271.	12426.								
1954	8119.	6733.	4940.	3937.	2401.	2271.	2100.	1957.	1786.	1500.
	1500.	1500.	1500.	1329.	1300.	1300.	1300.	1171.	1000.	1000.
	1000.	906.	780.	780.	780.	780.	870.	870.	1496.	1600.
	6743.	12286.	19900.	22814.	21571.	25457.	24457.	23457.	28514.	24486.
	19529.	19000.	19000.	31143.	24000.	24000.	24000.	23000.	16286.	14000.
	13057.	9581.								
1955	6500.	6109.	4600.	4600.	3686.	3000.	2829.	2500.	2414.	2200.
	2157.	1900.	1900.	1986.	2000.	1714.	1600.	1514.	1400.	1400.
	1400.	1271.	1100.	1100.	1100.	1100.	1200.	1200.	1200.	1200.
	3557.	4500.	5257.	15743.	17429.	20329.	33143.	35957.	33671.	34186.
	28557.	22043.	26357.	22614.	20900.	21443.	26071.	37243.	19671.	15029.
	12214.	10993.								
1956	7236.	5327.	4339.	3737.	2486.	2100.	1929.	1700.	1586.	1300.
	1300.	1300.	1300.	1026.	980.	980.	980.	976.	970.	970.
	970.	957.	940.	940.	940.	940.	950.	950.	950.	950.
	2514.	11400.	16271.	32371.	21686.	33457.	43543.	31971.	28186.	29057.
	31686.	32000.	31229.	31429.	28771.	26000.	20729.	17714.	16000.	22429.
	21857.	16000.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 1 (Continued)

OBSERVED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT GOLD CREEK

1957	7200.	7200.	4886.	4500.	3757.	3200.	3071.	2900.	2757.	2400.
	2329.	1900.	1900.	1729.	1700.	1700.	1700.	1614.	1500.	1500.
	1500.	1371.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.
	3414.	5757.	9400.	21057.	30914.	37443.	33086.	29357.	20100.	23214.
	21329.	23914.	25943.	20957.	20943.	20829.	19100.	21143.	18914.	20643.
	20071.	22029.								
1958	10333.	8864.	7230.	7454.	5429.	4521.	3870.	3181.	3586.	4314.
	3680.	2744.	2229.	2429.	2129.	1857.	1757.	1457.	1443.	1300.
	1200.	1200.	1200.	1171.	1100.	1100.	1200.	1343.	1457.	1766.
	3990.	7883.	11014.	20971.	22057.	28000.	28000.	24143.	22000.	22000.
	22000.	22000.	21571.	38686.	27529.	20443.	16571.	11557.	8500.	8500.
	6600.	7543.								
1959	5991.	5271.	5043.	3500.	2986.	2600.	2214.	1700.	1529.	1100.
	1214.	1900.	1900.	1557.	1500.	1429.	1400.	1400.	1400.	1343.
	1200.	1106.	980.	980.	980.	980.	1000.	1000.	1429.	1500.
	2857.	4543.	19400.	27486.	22329.	26029.	19443.	23171.	25929.	26400.
	25343.	27457.	21686.	23886.	18629.	23914.	44171.	43171.	28700.	14829.
	11137.	12007.								
1960	10714.	7400.	4071.	5086.	3486.	3000.	2871.	2700.	2557.	2200.
	2200.	2200.	2200.	2029.	2000.	1786.	1700.	1614.	1500.	1471.
	1400.	1357.	1300.	1243.	1100.	1100.	1100.	1100.	1443.	1500.
	5857.	7600.	14686.	22857.	24286.	14357.	14886.	15414.	16943.	22929.
	17000.	19557.	26814.	32043.	25429.	22471.	21714.	20857.	18314.	28943.
	20514.	17557.								
1961	12529.	9100.	6471.	4714.	3586.	3300.	3043.	2700.	2757.	2900.
	2843.	2500.	2500.	2414.	2400.	2471.	2500.	2200.	1800.	1771.
	1700.	1614.	1500.	1671.	2100.	2100.	2500.	2500.	2757.	2800.
	7229.	12714.	22000.	20957.	19814.	18971.	30986.	38714.	32529.	23000.
	24143.	25000.	25900.	25643.	26000.	22200.	21071.	15657.	12429.	14100.
	13429.	15457.								
1962	10429.	4600.	4600.	4600.	3514.	2700.	2700.	2700.	2529.	2100.
	2100.	2100.	2100.	1929.	1900.	1900.	1900.	1729.	1500.	1500.
	1500.	1457.	1400.	1400.	1400.	1400.	1700.	1700.	1700.	1700.
	3700.	4500.	12214.	18000.	28471.	30286.	58743.	50229.	35557.	27186.
	26543.	23129.	27186.	26057.	23000.	23000.	23000.	23429.	23571.	14886.
	12057.	13871.								
1963	9150.	6967.	6071.	5486.	3700.	2800.	2800.	2800.	2571.	2000.
	2000.	2000.	2000.	1657.	1600.	1600.	1600.	1557.	1500.	1500.
	1500.	1286.	1000.	1000.	1000.	1000.	830.	830.	830.	830.
	2666.	3400.	19171.	31000.	35686.	26000.	26000.	26000.	26000.	31143.
	40257.	38143.	32571.	27800.	25143.	21814.	23071.	19543.	15143.	13543.
	10829.	10979.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 1 (Continued)

OBSERVED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT GOLD CREEK

1964	8897.	7491.	6129.	4643.	2886.	2600.	2300.	1900.	1843.	1700.
	1643.	1300.	1300.	1129.	1100.	1029.	1000.	1000.	1000.	980.
	930.	861.	770.	739.	660.	660.	710.	710.	770.	780.
	866.	1043.	1400.	3099.	28990.	75029.	51529.	43000.	31100.	25371.
	26143.	24671.	16929.	19757.	18729.	15100.	16100.	13600.	11354.	9253.
	9304.	9106.								
1965	7677.	8591.	5623.	4473.	3080.	2836.	2807.	3129.	2033.	1370.
	1221.	1110.	1110.	981.	960.	960.	960.	917.	860.	860.
	860.	877.	900.	900.	900.	900.	1180.	1180.	1489.	1540.
	2011.	5386.	9371.	16886.	33643.	21971.	23471.	22429.	33014.	30357.
	30614.	28514.	24729.	22229.	19671.	30386.	20371.	11343.	16849.	20700.
	18943.	25043.								
1966	15086.	8387.	3929.	3250.	2764.	2264.	2000.	1907.	1829.	1714.
	1657.	1590.	1530.	1419.	1400.	1400.	1400.	1357.	1300.	1300.
	1300.	1300.	1300.	1300.	1300.	1300.	1500.	1500.	1971.	2050.
	3014.	3886.	7200.	13800.	21657.	47686.	34129.	28829.	24329.	18643.
	17757.	18586.	21029.	28014.	22914.	18843.	22829.	18300.	12886.	12514.
	12371.	10314.								
1967	6990.	4687.	3544.	2400.	1729.	1600.	1600.	1600.	1571.	1500.
	1500.	1500.	1500.	1500.	1500.	1500.	1500.	1457.	1400.	1400.
	1400.	1314.	1200.	1200.	1200.	1200.	1100.	1100.	1129.	1300.
	1743.	4929.	17143.	23986.	28829.	26571.	34814.	29014.	28386.	21557.
	21471.	29857.	34800.	27100.	25043.	54871.	30600.	20614.	29071.	17157.
	12471.	10831.								
1968	6851.	5703.	4460.	3400.	2857.	2429.	2300.	2214.	2171.	2100.
	2100.	2014.	2000.	2000.	2000.	2000.	1971.	1900.	1900.	1900.
	1900.	1900.	1900.	1900.	1900.	1900.	1871.	1800.	1886.	2014.
	2243.	2943.	13086.	33843.	27543.	26457.	36829.	37343.	27186.	29429.
	26786.	25857.	24986.	22214.	20143.	16757.	15143.	13429.	11271.	11291.
	7210.	6309.								
1969	5061.	4370.	3366.	2987.	2543.	1971.	1500.	1314.	1086.	950.
	900.	850.	807.	771.	750.	700.	700.	700.	700.	714.
	750.	750.	779.	800.	843.	871.	957.	1129.	1471.	2086.
	3400.	6013.	11434.	20057.	12069.	12800.	16314.	17871.	16229.	13929.
	17629.	18114.	15143.	13386.	14286.	7399.	6001.	5593.	6303.	5511.
	4726.	4536.								
1970	3940.	3709.	3249.	2193.	1714.	1429.	1129.	1000.	936.	900.
	857.	850.	850.	850.	850.	814.	800.	800.	800.	750.
	750.	750.	750.	764.	800.	800.	850.	936.	1071.	1300.
	1943.	4614.	16343.	14757.	18129.	16971.	16371.	15500.	26100.	25029.
	21000.	22500.	21514.	26429.	22871.	17671.	19971.	13786.	11897.	9466.
	9643.	6143.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 1 (Continued)

OBSERVED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT GOLD CREEK

1971	7017.	5857.	4771.	4057.	4000.	3800.	3457.	3057.	2743.	2571.
	2400.	2200.	1971.	1743.	1557.	1414.	1243.	1157.	1100.	1000.
	1000.	979.	950.	950.	950.	950.	964.	1000.	1086.	1214.
	1457.	1900.	2800.	4943.	8714.	22857.	47186.	28657.	39586.	24471.
	24900.	28700.	18671.	24357.	44743.	40000.	24529.	19471.	22857.	14586.
	11029.	10939.								
1972	7744.	6939.	5267.	4343.	3600.	3257.	3086.	2914.	2771.	2600.
	2600.	2400.	2400.	2400.	2200.	2200.	2200.	2200.	2086.	2000.
	2000.	1914.	1886.	1800.	1800.	1771.	1700.	1700.	1629.	1700.
	3386.	19571.	19286.	26886.	44243.	24471.	43457.	38057.	25729.	25371.
	25357.	22600.	18429.	20243.	21729.	19929.	20600.	13786.	13186.	18029.
	13286.	6857.								
1973	4786.	4429.	6143.	4557.	3114.	2543.	2171.	2000.	1743.	1600.
	1429.	1400.	1400.	1229.	1200.	1200.	1200.	1200.	1200.	1200.
	1200.	1114.	1000.	1000.	1000.	1000.	1000.	1000.	1000.	1057.
	1400.	2686.	9200.	12671.	15714.	20214.	33700.	36443.	23943.	21057.
	20129.	15229.	16429.	17657.	21029.	16757.	21800.	23171.	12814.	8942.
	7551.	7010.								
1974	5636.	4539.	3130.	2371.	1914.	1643.	1514.	1386.	1271.	1143.
	1029.	979.	950.	907.	900.	864.	850.	829.	800.	786.
	750.	750.	750.	736.	700.	700.	700.	729.	879.	1400.
	2571.	6586.	12286.	27429.	31357.	19557.	16700.	15614.	16671.	16943.
	21057.	19314.	18571.	17714.	18686.	15986.	12651.	17130.	16614.	9314.
	9413.	14154.								
1975	5503.	5469.	2914.	1943.	1700.	1700.	1700.	1700.	1686.	1600.
	1600.	1600.	1600.	1586.	1500.	1500.	1500.	1500.	1500.	1500.
	1443.	1400.	1400.	1400.	1400.	1400.	1400.	1414.	1543.	1829.
	2843.	6857.	15071.	23029.	30500.	36400.	27343.	34357.	30714.	27500.
	29900.	28343.	25929.	24200.	19486.	18614.	16429.	14157.	11743.	19886.
	18629.	17943.								
1976	10286.	9071.	8357.	4929.	3429.	2457.	1871.	1486.	1271.	1143.
	1100.	1057.	1000.	1000.	1000.	964.	950.	950.	950.	950.
	950.	929.	900.	900.	900.	900.	900.	943.	1171.	1957.
	4957.	13943.	13400.	14014.	16129.	27700.	29843.	21014.	20300.	19329.
	19286.	18386.	18857.	21714.	27714.	20571.	15800.	11183.	7729.	6330.
	6367.	7750.								
1977	4831.	3943.	3760.	3337.	2943.	2714.	2543.	2400.	2886.	2714.
	2457.	2257.	2086.	1957.	1900.	1800.	1757.	1700.	1629.	1600.
	1600.	1557.	1500.	1500.	1500.	1500.	1600.	1600.	1686.	1771.
	1971.	3457.	12514.	19200.	29200.	34957.	46300.	37943.	33857.	21714.
	24143.	25514.	21229.	22286.	21329.	19514.	19729.	12514.	10363.	14671.
	14071.	13534.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 1 (Continued)

OBSERVED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT GOLD CREEK

1978	8829.	8957.	7871.	5871.	4486.	3829.	3450.	3200.	2964.	2757.
	2636.	2557.	2364.	2236.	2107.	2000.	1921.	1807.	1700.	1650.
	1650.	1600.	1600.	1600.	1600.	1621.	1650.	1650.	1650.	1743.
	3643.	12557.	17143.	11600.	12371.	15386.	21371.	18286.	22786.	22314.
	20729.	20957.	20557.	20214.	19114.	17771.	14829.	10686.	11214.	10109.
1979	7599.	6481.								
	5416.	6069.	4901.	3679.	3577.	3126.	2343.	2057.	1971.	1900.
	1729.	1557.	1500.	1457.	1400.	1400.	1400.	1300.	1300.	1300.
	1300.	1200.	1200.	1200.	1200.	1200.	1200.	1257.	1386.	1743.
	2743.	5143.	12000.	19143.	31671.	27486.	23071.	20829.	25771.	26371.
1980	26086.	31757.	32457.	26514.	24800.	20029.	17057.	15171.	9447.	9203.
	13543.	12254.								
	7890.	10014.	7034.	5197.	4871.	4424.	4929.	3529.	3357.	2743.
	2471.	2257.	2043.	1914.	1829.	1729.	1643.	1600.	1529.	1457.
	1400.	1400.	1400.	1400.	1400.	1400.	1400.	1400.	1471.	2000.
1981	4143.	9714.	13914.	12443.	19843.	32143.	25329.	32800.	28614.	31343.
	31800.	33557.	30143.	33014.	23200.	21929.	19886.	14457.	10570.	11304.
	19000.	14186.								
	9849.	8779.	7303.	6019.	4657.	4211.	3143.	3200.	3200.	2314.
	1786.	1679.	1614.	1571.	1829.	2129.	2300.	2329.	2414.	2014.
1982	1600.	1500.	1500.	1600.	1629.	1650.	1700.	1771.	1886.	2443.
	5623.	20400.	20486.	13500.	21943.	18629.	16914.	18200.	21257.	17829.
	42086.	41143.	36700.	38600.	36157.	46729.	37029.	24971.	17986.	14500.
	12100.	11256.								
	7641.	7200.	7399.	8581.	4612.	3943.	3857.	3243.	2828.	2529.
1983	2385.	2300.	2300.	2300.	2300.	2300.	2300.	2314.	2357.	1721.
	1250.	1100.	1100.	1100.	1164.	1497.	1500.	1500.	1657.	2200.
	3386.	8100.	15000.	20143.	22714.	26143.	21857.	28857.	28000.	19500.
	24114.	24514.	27500.	23657.	16629.	14471.	12629.	14014.	13486.	16886.
	26557.	16729.								
1983	10429.	8201.	6669.	3914.	2971.	2786.	2643.	2471.	2400.	2300.
	2300.	2300.	2443.	2771.	2400.	2429.	2000.	1957.	1900.	2043.
	2086.	1957.	1814.	1700.	1643.	1514.	1500.	1529.	1786.	2414.
	4600.	11086.	19143.	17000.	24143.	27343.	19586.	23886.	23671.	25371.
	21857.	18243.	19714.	21014.	26586.	25414.	21757.	26671.	18957.	12586.
	10334.	11878.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 2

**Observed Weekly Flows for
Chulitna River near Talkeetna**

TABLE 2

OBSERVED WEEKLY FLOWS^{1/} FOR CHULITNA RIVER NEAR TALKEETNA

1950	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1951	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1952	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1953	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1954	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1955	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1956	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 2 (Continued)

OBSERVED WEEKLY FLOWS^{1/} FOR CHULITNA RIVER NEAR TALKEETNA

1957	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1958	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1959	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1960	7071.	5329.	3286.	3773.	3071.	2357.	2200.	2143.	1957.	1700.
	1700.	1700.	1700.	1286.	1500.	1429.	1400.	1314.	1200.	1143.
	1000.	996.	990.	959.	880.	880.	900.	900.	1071.	1100.
	2700.	6914.	11541.	21471.	23971.	14714.	16371.	17457.	21243.	23671.
	19500.	22000.	26057.	27800.	25000.	20286.	14000.	13243.	7776.	15126.
	14571.	14529.								
1961	8797.	5834.	3981.	3014.	2314.	2100.	1971.	1800.	1829.	1900.
	1857.	1600.	1600.	1429.	1400.	1471.	1500.	1329.	1100.	1100.
	1100.	1036.	950.	1021.	1200.	1200.	1500.	1500.	1671.	1700.
	2900.	8829.	12714.	11743.	12386.	12343.	21886.	25600.	24643.	26243.
	23457.	26586.	32129.	30429.	30857.	19300.	26314.	17329.	15614.	22471.
	14914.	13469.								
1962	10121.	5790.	4486.	3786.	3000.	2800.	2457.	2000.	1857.	1500.
	1500.	1500.	1500.	1329.	1300.	1300.	1300.	1171.	1000.	1000.
	1000.	970.	930.	930.	930.	930.	940.	940.	1334.	1400.
	2686.	3200.	6299.	11550.	15486.	13386.	24471.	23000.	23000.	25000.
	25000.	26686.	30000.	31714.	20171.	18529.	17914.	26157.	23200.	12011.
	8539.	10793.								
1963	6379.	3996.	2424.	1957.	1686.	1600.	1514.	1400.	1429.	1500.
	1514.	1600.	1600.	1600.	1600.	1600.	1600.	1471.	1300.	1300.
	1300.	1159.	970.	901.	730.	730.	650.	650.	736.	750.
	1714.	2100.	10614.	17000.	24771.	15914.	14843.	16157.	22157.	28914.
	34000.	32429.	23000.	19000.	16429.	19000.	19714.	19143.	14000.	11143.
	10000.	11429.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 2 (Continued)

OBSERVED WEEKLY FLOWS^{1/} FOR CHULITNA RIVER NEAR TALKEETNA

1964	10874.	10000.	7971.	4800.	3829.	3100.	2414.	1500.	1357.	1000.
	1000.	1000.	1000.	1086.	1100.	971.	920.	877.	820.	820.
	820.	799.	770.	770.	770.	770.	900.	1071.	1214.	1300.
	1371.	1429.	1500.	3643.	15714.	45000.	39857.	38143.	37000.	24000.
	25714.	26143.	21000.	25686.	19586.	19900.	22143.	15857.	12443.	9000.
	7800.	8191.								
1965	5977.	9479.	4403.	3700.	3086.	2900.	2900.	2900.	2671.	2100.
	2100.	2100.	2100.	1671.	1600.	1600.	1600.	1514.	1400.	1400.
	1400.	1357.	1300.	1300.	1300.	1300.	1400.	1400.	1400.	1400.
	2257.	2600.	7971.	12000.	15286.	16571.	18143.	22886.	21700.	20043.
	25557.	24471.	22300.	24957.	23771.	31029.	20257.	11914.	20971.	21857.
	17886.	33129.								
1966	9400.	9400.	3871.	2950.	2190.	1620.	1620.	1620.	1543.	1350.
	1350.	1350.	1350.	1221.	1200.	1200.	1200.	1157.	1100.	1100.
	1100.	1100.	1100.	1100.	1100.	1100.	1300.	1300.	1300.	1300.
	1871.	2100.	4043.	5500.	6914.	21800.	23571.	23157.	21643.	18757.
	21314.	25857.	28257.	28829.	26543.	23814.	34843.	22286.	13571.	13143.
	12571.	10426.								
1967	8000.	5429.	3936.	2514.	1914.	1743.	1671.	1600.	1557.	1500.
	1500.	1500.	1500.	1500.	1500.	1471.	1400.	1371.	1300.	1271.
	1200.	1200.	1100.	1029.	1000.	986.	921.	900.	900.	1043.
	2043.	5700.	15286.	17571.	20143.	18571.	24000.	27100.	34286.	32043.
	29271.	44914.	38200.	30914.	26357.	52000.	34600.	21286.	16900.	14571.
	10639.	8586.								
1968	5181.	3971.	3159.	2286.	1871.	1757.	1671.	1571.	1500.	1486.
	1400.	1386.	1300.	1300.	1271.	1200.	1200.	1200.	1200.	1200.
	1200.	1200.	1200.	1171.	1100.	1100.	1171.	1200.	1329.	1543.
	2157.	3561.	8383.	18700.	22257.	22729.	34314.	33886.	27286.	30943.
	32943.	26586.	32329.	23243.	26143.	21943.	19100.	13443.	9493.	9024.
	6330.	5289.								
1969	3824.	3267.	2514.	2371.	1857.	1557.	1457.	1400.	1300.	1200.
	1157.	1100.	1071.	1000.	1000.	964.	950.	929.	900.	900.
	900.	879.	850.	836.	800.	800.	864.	964.	1286.	1900.
	2757.	4094.	5097.	8736.	9073.	10569.	17700.	24471.	24300.	23957.
	23771.	19557.	17986.	16386.	17214.	9071.	7571.	7991.	8563.	7300.
	6051.	5587.								
1970	5509.	5681.	4571.	3229.	2843.	2186.	1771.	1571.	1400.	1343.
	1300.	1300.	1300.	1214.	1200.	1200.	1200.	1200.	1200.	1171.
	1100.	1100.	1100.	1100.	1100.	1100.	1129.	1243.	1414.	1757.
	2614.	5417.	9829.	13457.	16571.	15143.	24857.	19000.	20714.	22857.
	25286.	26600.	26614.	32700.	28557.	21286.	25143.	18443.	17214.	13000.
	9453.	6220.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30), and filled with -1.0 for the missing data

TABLE 2 (Continued)

OBSERVED WEEKLY FLOWS^{1/} FOR CHULITNA RIVER NEAR TALKEETNA

1978	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1979	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1980	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1981	7357.	6397.	5313.	4479.	3830.	3543.	3171.	2971.	2743.	2457.
	2043.	1800.	1657.	1657.	1643.	1600.	1600.	1557.	1500.	1400.
	1371.	1300.	1229.	1200.	1100.	1100.	1000.	1000.	1100.	2014.
	5271.	10133.	10280.	8847.	16357.	21457.	22243.	22086.	24614.	18486.
	36057.	35229.	30700.	36500.	33486.	42600.	25043.	24700.	18786.	11334.
	9760.	7711.								
1982	5210.	4914.	4629.	5057.	3343.	2857.	2257.	1729.	1443.	1300.
	1214.	1200.	1129.	1100.	1086.	1000.	993.	950.	950.	850.
	829.	800.	757.	750.	779.	864.	979.	1000.	1057.	1171.
	1714.	4343.	6143.	8914.	10936.	16714.	15886.	18157.	24014.	21371.
	23000.	22400.	33314.	27100.	22743.	21271.	17957.	16871.	12786.	15157.
	30529.	17257.								
1983	8773.	6057.	4507.	3614.	3143.	2771.	2471.	2257.	2114.	1957.
	1829.	1743.	1793.	2079.	1750.	1486.	1286.	1136.	1050.	1000.
	1036.	1050.	1050.	1050.	1050.	1050.	1000.	1000.	1143.	1607.
	2543.	5014.	11771.	11671.	13714.	15300.	14800.	19986.	26086.	26829.
	22857.	20514.	19757.	21557.	31271.	22100.	17929.	17657.	16657.	10686.
	8306.	7986.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30), and filled with -1.0 for the missing data

TABLE 2 (Continued)

OBSERVED WEEKLY FLOWS^{1/} FOR CHULITNA RIVER NEAR TALKEETNA

1971	4771.	4229.	3543.	3114.	3000.	2714.	2057.	1814.	1629.	1500.
	1429.	1343.	1300.	1214.	1200.	1100.	1029.	979.	950.	950.
	950.	950.	950.	936.	900.	943.	950.	950.	993.	1000.
	1314.	2400.	3800.	5729.	9714.	14000.	20257.	19686.	38257.	28429.
	33543.	30471.	19657.	21429.	31571.	27600.	19929.	15829.	15929.	12857.
	8950.	7551.								
1972	5514.	8671.	5100.	3514.	2857.	2400.	2129.	1900.	1714.	1557.
	1443.	1386.	1300.	1257.	1200.	1200.	1100.	1100.	1100.	1029.
	1000.	1000.	979.	950.	900.	900.	893.	850.	850.	893.
	2414.	9214.	8071.	10786.	18929.	12800.	19243.	20643.	18186.	24700.
	33143.	23486.	23486.	23286.	22157.	21743.	22900.	13929.	14114.	18771.
	9894.	7331.								
1973	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.								
1974	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.								
1975	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.								
1976	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.								
1977	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30), and filled with -1.0 for the missing data

TABLE 3

**Observed Weekly Flows for
Talkeetna River near Talkeetna**

TABLE 3

OBSERVED WEEKLY FLOWS^{1/} FOR TALKEETNA RIVER NEAR TALKEETNA

1950	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1951	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1952	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1953	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1954	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1955	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1956	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30), and filled with -1.0 for the missing data

TABLE 3 (Continued)

OBSERVED WEEKLY FLOWS^{1/} FOR TALKEETNA RIVER NEAR TALKEETNA

1957	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1958	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1959	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1960	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1961	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1962	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1963	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30), and filled with -1.0 for the missing data

TABLE 3 (Continued)

OBSERVED WEEKLY FLOWS^{1/} FOR TALKEETNA RIVER NEAR TALKEETNA

1964	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1965	3669.	4089.	2827.	2343.	1900.	1790.	1653.	1550.	1421.	1100.
	1100.	1100.	1100.	774.	720.	720.	720.	677.	620.	620.
	620.	586.	540.	540.	540.	540.	580.	580.	580.	580.
	851.	1043.	2057.	4209.	11061.	8701.	10423.	12394.	12357.	11363.
	14729.	13771.	10146.	9706.	9801.	17586.	10886.	6071.	7857.	8609.
	9974.	18286.								
1966	7613.	4840.	3550.	2700.	2091.	1717.	1427.	1199.	1046.	950.
	897.	844.	790.	764.	740.	709.	677.	637.	581.	527.
	477.	430.	399.	390.	390.	393.	400.	400.	414.	450.
	590.	1137.	2049.	3231.	5911.	20300.	13311.	10743.	9133.	6956.
	10316.	8746.	11424.	17200.	11184.	9704.	9977.	7707.	5881.	6073.
	5407.	4651.								
1967	3606.	2889.	2151.	1429.	1100.	936.	879.	850.	807.	800.
	757.	736.	700.	693.	650.	636.	600.	600.	579.	550.
	514.	500.	497.	477.	457.	440.	426.	420.	420.	429.
	663.	2113.	3979.	6206.	7186.	6657.	8686.	11014.	11499.	9501.
	9229.	18214.	14514.	10947.	10106.	22886.	14929.	9447.	12066.	18889.
	5106.	4133.								
1968	2656.	2276.	1824.	1586.	1450.	1329.	1257.	1186.	1093.	1050.
	1000.	966.	926.	897.	871.	846.	823.	803.	791.	780.
	760.	760.	746.	740.	740.	740.	751.	811.	956.	1250.
	1793.	3157.	7486.	16286.	14429.	13571.	18200.	14500.	10643.	13000.
	12714.	9429.	10497.	9117.	8077.	6739.	7610.	6667.	5671.	4840.
	3313.	3006.								
1969	2081.	1813.	1514.	1329.	1129.	943.	807.	707.	643.	600.
	571.	550.	514.	497.	471.	446.	440.	431.	420.	400.
	389.	380.	380.	380.	380.	380.	380.	391.	464.	723.
	1121.	1947.	2833.	8287.	4347.	4003.	5647.	5466.	6063.	6050.
	7966.	7250.	6531.	7174.	5994.	3037.	2257.	2209.	2660.	2141.
	1783.	1943.								
1970	1906.	1586.	1343.	1114.	1043.	829.	721.	693.	650.	600.
	600.	586.	550.	543.	500.	500.	494.	480.	466.	460.
	449.	440.	440.	440.	440.	440.	440.	451.	537.	686.
	879.	1954.	4486.	5347.	6841.	5711.	8329.	6629.	11733.	11106.
	8197.	11307.	10471.	10971.	10206.	7694.	8866.	6593.	5743.	8257.
	6484.	4271.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30), and filled with -1.0 for the missing data

TABLE 3 (Continued)

OBSERVED WEEKLY FLOWS^{1/} FOR TALKEETNA RIVER NEAR TALKEETNA

1971	3871.	3089.	2600.	2057.	1971.	1871.	1629.	1471.	1329.	1200.
	1114.	1100.	986.	893.	750.	657.	564.	500.	483.	466.
	443.	400.	400.	400.	400.	409.	434.	454.	501.	579.
	693.	971.	1620.	3121.	4669.	12734.	23586.	19471.	24414.	12743.
	12714.	13571.	9000.	11214.	31329.	18071.	10571.	8214.	9643.	6071.
	4457.	4429.								
1972	3171.	3057.	2571.	2071.	1743.	1514.	1300.	1129.	993.	929.
	864.	800.	764.	750.	750.	729.	700.	700.	664.	636.
	600.	557.	514.	489.	460.	431.	400.	434.	503.	664.
	864.	1400.	2243.	4463.	11996.	10363.	11911.	15057.	11943.	12186.
	12614.	10877.	12000.	13143.	10406.	9026.	9577.	6771.	9571.	12757.
	7887.	6167.								
1973	4754.	3417.	4190.	2801.	2000.	1571.	1314.	1200.	1000.	971.
	900.	850.	814.	800.	779.	750.	700.	700.	664.	650.
	650.	607.	600.	586.	550.	550.	500.	529.	571.	650.
	893.	1514.	4679.	5453.	6776.	8549.	14106.	17057.	10631.	9206.
	7891.	6166.	7353.	7801.	9411.	6843.	14757.	9714.	5429.	3843.
	3171.	3034.								
1974	2556.	2006.	1586.	1343.	1157.	1029.	950.	886.	836.	793.
	750.	736.	700.	693.	650.	650.	621.	600.	586.	550.
	550.	507.	500.	500.	471.	450.	450.	450.	514.	643.
	1021.	2177.	3991.	8333.	13087.	8343.	7923.	7104.	7816.	6963.
	7467.	8086.	8500.	7863.	7679.	7550.	5573.	10094.	6446.	3786.
	3374.	5494.								
1975	2616.	2411.	1657.	1514.	1286.	1086.	957.	886.	821.	800.
	793.	750.	750.	707.	700.	700.	700.	650.	614.	586.
	550.	550.	514.	500.	500.	500.	500.	500.	507.	557.
	643.	943.	3257.	5481.	11976.	13371.	10870.	14314.	13886.	11929.
	14686.	12586.	10009.	10297.	23629.	8664.	7694.	5781.	5869.	10081.
	9630.	7817.								
1976	4483.	3497.	2706.	1557.	1129.	886.	757.	643.	600.	571.
	550.	550.	550.	550.	550.	514.	500.	491.	480.	480.
	480.	480.	480.	474.	460.	460.	460.	494.	600.	786.
	1586.	3857.	3227.	3813.	5079.	10677.	15029.	8876.	8763.	8041.
	9137.	10283.	8949.	9169.	8519.	10206.	18540.	4786.	3293.	3164.
	3274.	3431.								
1977	2200.	1943.	1791.	1661.	1400.	1187.	916.	889.	1371.	1286.
	1114.	964.	857.	816.	726.	657.	663.	603.	566.	549.
	531.	520.	517.	500.	500.	500.	567.	520.	540.	586.
	679.	1414.	3409.	5773.	12801.	18400.	23457.	17229.	14157.	8503.
	8654.	11574.	8981.	9156.	8313.	8544.	8526.	5249.	4320.	5821.
	7257.	7486.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30), and filled with -1.0 for the missing data

TABLE 3 (Continued)

OBSERVED WEEKLY FLOWS^{1/} FOR TALKEETNA RIVER NEAR TALKEETNA

1978	4516.	3686.	3314.	2229.	1571.	1229.	1071.	987.	937.	893.
	861.	844.	829.	801.	774.	750.	713.	654.	601.	569.
	553.	529.	506.	486.	470.	464.	470.	493.	533.	601.
	726.	1821.	3714.	3984.	4331.	6736.	8373.	7281.	8114.	10236.
	10237.	10420.	12157.	10466.	8441.	7437.	5697.	4286.	4764.	3966.
	3060.	2914.								
1979	2087.	1573.	1641.	1449.	1359.	1277.	1114.	1014.	1000.	986.
	950.	914.	871.	821.	789.	757.	729.	700.	674.	649.
	631.	620.	609.	583.	560.	540.	544.	550.	576.	943.
	2114.	4353.	6080.	8864.	18814.	15014.	10677.	9006.	11491.	12749.
	11900.	19714.	14443.	13229.	9397.	7163.	6859.	5717.	3035.	3347.
	4769.	5013.								
1980	3919.	4763.	2930.	2340.	2204.	1996.	2219.	1086.	1150.	893.
	850.	850.	850.	843.	800.	800.	800.	800.	771.	750.
	731.	700.	700.	700.	700.	700.	743.	800.	879.	1471.
	2200.	3014.	4541.	5801.	8714.	11429.	11286.	10857.	12857.	11471.
	15286.	13700.	14329.	12794.	8227.	7021.	6669.	4643.	3361.	5066.
	9066.	5050.								
1981	3344.	2914.	2486.	2014.	1586.	1400.	1000.	991.	937.	781.
	680.	680.	680.	669.	660.	660.	653.	583.	534.	530.
	530.	530.	530.	534.	560.	560.	560.	566.	633.	819.
	1500.	4826.	5881.	3796.	6324.	5180.	5546.	6631.	8913.	7646.
	18376.	19457.	17400.	18657.	11871.	17943.	13089.	9197.	6059.	4359.
	3524.	3753.								
1982	2481.	2316.	2306.	2500.	1629.	1436.	1307.	1059.	891.	783.
	709.	663.	464.	557.	650.	650.	650.	651.	641.	464.
	329.	264.	260.	260.	270.	360.	440.	430.	436.	553.
	816.	1793.	3471.	4450.	7990.	13829.	11511.	12857.	13626.	7511.
	8521.	8889.	15706.	11760.	7610.	6566.	5983.	6943.	7149.	8774.
	15043.	8820.								
1983	5361.	3837.	3029.	1971.	1457.	1314.	1214.	1200.	1100.	1100.
	1100.	1064.	1043.	1136.	927.	777.	681.	603.	554.	564.
	607.	599.	579.	567.	554.	550.	540.	540.	607.	850.
	1400.	2671.	5193.	6056.	8647.	9373.	7414.	9276.	8934.	10039.
	9760.	7400.	7880.	7734.	11679.	9121.	6943.	6801.	5353.	3386.
	2900.	4393.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30), and filled with -1.0 for the missing data

TABLE 4

**Observed Weekly Flows for
Skwenta River near Skwenta**

TABLE 4

OBSERVED WEEKLY FLOWS^{1/} FOR SKWENTNA RIVER NEAR SKWENTNA

1950	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1951	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1952	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1953	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1954	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1955	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1956	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30), and filled with -1.0 for the missing data

TABLE 4 (Continued)

OBSERVED WEEKLY FLOWS^{1/} FOR SKWENTNA RIVER NEAR SKWENTNA

1957	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1958	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1959	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1960	4200.	4200.	3086.	2900.	2400.	2000.	1871.	1700.	1614.	1400.
	1400.	1400.	1400.	1229.	1200.	1057.	1000.	991.	980.	969.
	940.	923.	900.	869.	790.	790.	780.	780.	874.	890.
	3540.	4600.	11114.	16000.	15143.	13000.	12900.	14000.	14000.	17000.
	15286.	14000.	17057.	21429.	18686.	15143.	12286.	10071.	7536.	11403.
	9729.	9466.								
1961	6277.	4529.	3176.	2371.	1843.	1700.	1614.	1500.	1557.	1700.
	1671.	1500.	1500.	1329.	1300.	1443.	1500.	1371.	1200.	1171.
	1100.	1057.	1000.	1086.	1300.	1300.	1600.	1600.	1771.	1800.
	3300.	9970.	15457.	12943.	11771.	12300.	20229.	21871.	20100.	15000.
	15000.	15857.	16000.	15429.	15000.	12776.	14957.	11714.	10014.	17643.
	11229.	9877.								
1962	10121.	5790.	4486.	3786.	3000.	2800.	2457.	2000.	1857.	1500.
	1500.	1500.	1500.	1329.	1300.	1300.	1300.	1171.	1000.	1000.
	1000.	970.	930.	930.	930.	921.	940.	940.	1334.	1400.
	2686.	3200.	6299.	11550.	15486.	13386.	24471.	23000.	23000.	25000.
	25000.	26686.	30000.	31714.	20171.	18529.	17914.	26157.	23200.	12011.
	8539.	10793.								
1963	4174.	3514.	2243.	1786.	1486.	1400.	1271.	1100.	1100.	1100.
	1100.	1100.	1100.	1014.	1000.	1000.	1000.	919.	810.	810.
	810.	763.	700.	700.	700.	700.	650.	650.	650.	650.
	879.	2579.	6600.	13800.	15143.	11773.	12329.	17614.	14057.	19243.
	25343.	23457.	16857.	13757.	7903.	11743.	15404.	11074.	8980.	7449.
	5524.	7756.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30), and filled with -1.0 for the missing data

TABLE 4 (Continued)

OBSERVED WEEKLY FLOWS^{1/} FOR SKWENTNA RIVER NEAR SKWENTNA

1964	6961.	6884.	5506.	3286.	2266.	2000.	1614.	1100.	1026.	840.
	840.	840.	840.	951.	970.	970.	970.	876.	750.	750.
	750.	686.	600.	600.	600.	600.	720.	720.	926.	956.
	989.	1029.	1100.	2471.	10786.	30157.	27171.	26186.	24429.	15957.
	18243.	16843.	14114.	16386.	12371.	11714.	14043.	10769.	8276.	6200.
	5300.	5529.								
1965	4100.	6143.	3726.	4379.	2574.	1971.	1634.	1600.	1514.	1300.
	1300.	1300.	1300.	974.	920.	920.	920.	869.	800.	800.
	800.	774.	740.	740.	740.	740.	720.	720.	806.	820.
	1391.	1620.	5151.	7800.	11000.	15471.	16400.	14600.	21643.	18643.
	23929.	20514.	15057.	18071.	15914.	17457.	12193.	6956.	8121.	12057.
	12920.	22057.								
1966	7459.	4269.	3100.	2507.	1950.	1800.	1607.	1350.	1293.	1150.
	1150.	1150.	1150.	1107.	1100.	1100.	1100.	1100.	1100.	1100.
	1100.	1100.	1101.	1100.	1100.	1100.	1200.	1200.	1243.	1500.
	1929.	2586.	3800.	6071.	8469.	20243.	25214.	20400.	15457.	11863.
	11920.	14157.	18657.	13557.	27057.	13011.	17943.	13071.	8654.	9493.
	12586.	9574.								
1967	9809.	6753.	4746.	2500.	1686.	1400.	1400.	1400.	1257.	900.
	900.	900.	900.	746.	720.	720.	720.	690.	650.	650.
	650.	650.	650.	650.	650.	650.	780.	780.	780.	780.
	1080.	1200.	1543.	1886.	4314.	11066.	15757.	17143.	16029.	13629.
	16114.	15814.	14100.	14429.	16814.	20386.	13700.	11829.	13429.	9786.
	8429.	7429.								
1968	4829.	4567.	4387.	2343.	1900.	1686.	1543.	1443.	1329.	1271.
	1200.	1129.	1100.	957.	1014.	1000.	1000.	1000.	1000.	1000.
	1000.	979.	950.	950.	950.	950.	950.	950.	1100.	1814.
	3571.	7857.	13143.	19000.	22457.	19543.	25143.	21857.	16843.	18500.
	19143.	15243.	16871.	15129.	15300.	9837.	11439.	6304.	5150.	4949.
	2717.	2961.								
1969	3133.	2829.	1447.	814.	736.	700.	679.	650.	650.	650.
	643.	600.	600.	600.	600.	600.	600.	600.	600.	600.
	600.	600.	600.	614.	650.	650.	771.	1029.	1443.	2243.
	4043.	7836.	9296.	16714.	15857.	14857.	19729.	23486.	22000.	19271.
	15800.	11931.	9884.	9519.	12743.	6086.	4486.	4486.	4644.	4321.
	3736.	3750.								
1970	5466.	10314.	6440.	2119.	2894.	1746.	1243.	1029.	936.	871.
	843.	800.	800.	800.	786.	750.	750.	729.	700.	700.
	700.	679.	650.	650.	650.	650.	650.	650.	657.	821.
	1943.	4780.	12457.	17186.	20929.	23986.	23143.	20714.	23986.	25814.
	21214.	18714.	18786.	19100.	12886.	12357.	14029.	9647.	8757.	6374.
	6483.	5583.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30), and filled with -1.0 for the missing data

TABLE 4 (Continued)

OBSERVED WEEKLY FLOWS^{1/} FOR SKWENTNA RIVER NEAR SKWENTNA

1971	3514.	3069.	2857.	2500.	2300.	2257.	2100.	1829.	1600.	1371.
	1214.	1100.	993.	921.	900.	867.	814.	786.	750.	736.
	700.	650.	636.	600.	600.	600.	600.	600.	600.	614.
	700.	979.	1957.	9029.	17971.	18443.	23329.	19129.	43929.	25514.
	26129.	19829.	14986.	13443.	21186.	17500.	13714.	10571.	9544.	5399.
	5247.	4056.								
1972	3257.	5090.	2500.	1843.	1514.	1400.	1329.	1271.	1200.	1171.
	1100.	1100.	1029.	1000.	1000.	1000.	979.	954.	914.	900.
	893.	850.	843.	800.	800.	786.	750.	750.	700.	721.
	1514.	6829.	6171.	8514.	18571.	10357.	18714.	16186.	14729.	18800.
	22314.	13757.	13671.	14500.	13171.	14614.	15586.	8601.	14189.	12044.
	6677.	5560.								
1973	3323.	2286.	8567.	4464.	3314.	2714.	2300.	1971.	1700.	1514.
	1343.	1229.	1129.	1029.	971.	900.	829.	800.	729.	700.
	664.	650.	607.	600.	600.	600.	614.	657.	729.	843.
	1171.	3953.	9716.	8140.	7574.	9179.	14471.	22414.	16929.	14771.
	14357.	11543.	14186.	13114.	10089.	6833.	12876.	8231.	6296.	6347.
	6720.	6091.								
1974	5599.	3680.	2971.	2486.	2114.	1886.	1686.	1543.	1400.	1400.
	1229.	1200.	1200.	1171.	1000.	1000.	986.	950.	929.	900.
	886.	850.	850.	800.	800.	779.	750.	750.	821.	1343.
	2857.	4500.	5626.	8091.	13814.	9586.	10017.	9283.	12486.	14543.
	9717.	10976.	11311.	11857.	10931.	12019.	8759.	10469.	12679.	11079.
	13357.	10951.								
1975	4621.	4664.	4140.	5127.	4007.	3200.	2057.	1486.	1171.	1000.
	914.	900.	829.	800.	800.	800.	800.	779.	750.	750.
	750.	750.	750.	750.	750.	750.	750.	750.	757.	800.
	886.	1557.	8200.	12271.	17114.	19086.	15471.	20657.	21443.	20157.
	25214.	19814.	15486.	13729.	12143.	14857.	9827.	8140.	7129.	8089.
	11140.	8917.								
1976	5467.	5510.	5233.	3450.	2657.	2200.	1914.	1714.	1543.	1400.
	1257.	1200.	1171.	1000.	1000.	1000.	929.	900.	900.	900.
	900.	857.	800.	800.	800.	800.	800.	857.	1043.	1743.
	7429.	9786.	8286.	8429.	8714.	12429.	19286.	14286.	16143.	14286.
	15286.	15571.	14129.	15114.	13086.	10199.	9769.	7230.	5141.	4939.
	11986.	12146.								
1977	7773.	5644.	6480.	5829.	3686.	3057.	2800.	2657.	2600.	2800.
	2829.	2900.	3000.	3086.	2986.	2857.	2657.	2357.	2043.	1814.
	1629.	1400.	1257.	1200.	1186.	1100.	1100.	1114.	1200.	1314.
	1743.	3914.	7871.	11371.	23829.	41886.	41829.	31229.	33343.	28214.
	25943.	25457.	21871.	21500.	23900.	23671.	20200.	11821.	10033.	11120.
	10211.	11354.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30), and filled with -1.0 for the missing data

TABLE 4 (Continued)

OBSERVED WEEKLY FLOWS^{1/} FOR SKWENTNA RIVER NEAR SKWENTNA

1978	6979.	7729.	5647.	3914.	3114.	2614.	2314.	2143.	1929.	1743.
	1557.	1429.	1400.	1329.	1257.	1200.	1157.	1057.	997.	936.
	900.	900.	879.	850.	814.	797.	774.	774.	880.	1343.
	3414.	9857.	10593.	9616.	10119.	11900.	16686.	13071.	14557.	19157.
	19486.	18157.	15729.	19286.	18114.	13500.	10423.	8350.	7810.	9781.
	7220.	6050.								
1979	3880.	6523.	5783.	4041.	3250.	2180.	1100.	1000.	1286.	1757.
	1671.	1514.	1343.	1243.	1200.	1171.	1100.	1100.	1100.	1000.
	1000.	1000.	1000.	980.	977.	960.	963.	1040.	1300.	2386.
	5429.	10160.	11057.	12686.	18486.	16486.	15143.	13743.	13829.	16986.
	14800.	16643.	15771.	14543.	16971.	23957.	13529.	9531.	5400.	6649.
	8330.	10683.								
1980	6657.	13196.	6357.	3881.	4644.	6443.	4396.	2643.	2671.	2429.
	2229.	2114.	2014.	1943.	1871.	1771.	1671.	1600.	1743.	1643.
	1557.	1457.	1400.	1329.	1300.	1357.	1457.	1564.	1829.	2557.
	4659.	9609.	11657.	13557.	19600.	24971.	24386.	23557.	27657.	27014.
	33271.	29071.	28543.	17971.	17114.	14857.	11914.	9764.	7813.	8543.
	9661.	10371.								
1981	7203.	6629.	4964.	4357.	3857.	3186.	2471.	2200.	2143.	1857.
	1529.	1264.	1150.	1150.	1150.	1193.	1293.	1500.	1486.	1186.
	1150.	1043.	949.	900.	900.	921.	1236.	1564.	1993.	2800.
	9000.	22429.	25857.	23214.	28986.	22714.	19686.	29586.	24900.	15914.
	21029.	26000.	23514.	20229.	24200.	18186.	11371.	8336.	10121.	7180.
	8127.	6340.								
1982	3896.	3733.	5200.	8429.	3286.	2729.	2314.	1857.	1657.	1571.
	1500.	1443.	1400.	1300.	1200.	1143.	1100.	1057.	1000.	1000.
	979.	921.	850.	793.	714.	700.	700.	694.	729.	879.
	1286.	3643.	7100.	6500.	6929.	14357.	15086.	15229.	21686.	12829.
	14186.	14229.	14086.	13800.	10857.	10900.	9456.	9244.	10890.	11717.
	27729.	13249.								
1983	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30), and filled with -1.0 for the missing data

TABLE 5

**Observed Weekly Flows for
Susitna River at Susitna Station**

TABLE 5

OBSERVED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT SUSITNA STATION

1950	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1951	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1952	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1953	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1954	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1955	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1956	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30), and filled with -1.0 for the missing data

TABLE 5 (Continued)

OBSERVED WEEKLY FFLOWS^{1/} FOR SUSITNA RIVER AT SUSITNA STATION

1957	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1958	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1959	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1960	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1961	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1962	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1963	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30), and filled with -1.0 for the missing data

TABLE 5 (Continued)

OBSERVED WEEKLY FFLOWS^{1/} FOR SUSITNA RIVER AT SUSITNA STATION

1964	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1965	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1966	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1967	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1968	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1969	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1970	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30),
and filled with -1.0 for the missing data

TABLE 5 (Continued)

OBSERVED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT SUSITNA STATION

1971	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1972	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1973	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1974	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1975	25571.	25571.	17143.	13286.	11143.	11000.	10143.	10000.	10000.	9786.
	9500.	9286.	9000.	9000.	8786.	8500.	8500.	8000.	8000.	8000.
	7500.	7500.	7000.	7000.	7000.	7000.	6786.	6500.	6500.	7286.
	9214.	14571.	34429.	78029.	112500.	129429.	110286.	135429.	140857.	142857.
	153429.	137857.	118429.	110143.	99571.	98300.	84614.	67986.	61700.	89157.
	94271.	80457.								
1976	45443.	33800.	31614.	21429.	16000.	12286.	9357.	7643.	6429.	6000.
	6000.	6000.	6000.	6343.	6571.	6800.	6400.	6229.	6000.	5600.
	5371.	5200.	5343.	5400.	5400.	5400.	5400.	5400.	5714.	9000.
	46143.	98086.	66514.	62714.	62729.	92829.	121529.	111571.	114057.	125857.
	120429.	116571.	106671.	111343.	118571.	102657.	90243.	67700.	42371.	38714.
	52857.	67943.								
1977	32900.	29857.	30000.	30429.	22000.	18857.	19286.	17143.	15571.	14571.
	13429.	12286.	11714.	11571.	10143.	9571.	9500.	9929.	9357.	8643.
	8786.	7786.	7143.	6643.	6500.	6500.	6143.	6000.	6000.	6571.
	8214.	18143.	56157.	88457.	118829.	158143.	173000.	172286.	168571.	149143.
	142286.	150143.	134857.	136143.	133429.	134000.	134429.	89100.	73657.	97629.
	84771.	92643.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30), and filled with -1.0 for the missing data

TABLE 5 (Continued)

OBSERVED WEEKLY FFLOWS^{1/} FOR SUSITNA RIVER AT SUSITNA STATION

1978	56729.	46714.	33429.	24000.	18429.	15286.	12571.	10057.	20171.	7914.
	7486.	7343.	7200.	7029.	7000.	7000.	7000.	6800.	6800.	6800.
	6800.	6600.	6600.	6600.	6600.	6557.	6429.	6457.	6800.	7714.
	13029.	44286.	59714.	56871.	63029.	69714.	95271.	93529.	112571.	115143.
	118857.	117857.	117286.	124000.	120143.	105014.	93371.	70643.	72129.	66700.
	51814.	37700.								
1979	31000.	45143.	42000.	32000.	26571.	19714.	13429.	10286.	9857.	9500.
	9500.	9214.	9000.	9000.	9000.	9000.	8500.	8500.	8143.	8000.
	7714.	7429.	7000.	7000.	7000.	7000.	6500.	6786.	8143.	11357.
	22714.	67143.	88214.	94371.	126571.	125000.	116286.	104857.	133000.	129143.
	136143.	151286.	155429.	137571.	138286.	143714.	124143.	94457.	58329.	55400.
	92114.	114229.								
1980	65943.	83900.	55914.	38229.	39214.	38829.	36929.	22286.	19286.	17357.
	15286.	13186.	12071.	11286.	10429.	9929.	9500.	9357.	9186.	9043.
	8871.	8800.	8857.	9129.	8700.	8986.	9629.	10357.	12000.	14571.
	23714.	55629.	67929.	77014.	109586.	138143.	141571.	151286.	147429.	161143.
	189857.	190571.	174857.	172143.	137714.	131571.	118714.	99286.	84429.	83571.
	107714.	102143.								
1981	42571.	40143.	33543.	27486.	22557.	19714.	14143.	14143.	13714.	10429.
	8429.	7286.	6929.	6857.	7429.	8071.	8143.	8571.	8857.	7571.
	6714.	6071.	6000.	6000.	6214.	6571.	7214.	8000.	9143.	13429.
	39857.	85714.	92857.	86171.	105971.	99400.	94129.	116714.	120857.	102600.
	152900.	188857.	171286.	165714.	162714.	206714.	133857.	115571.	97457.	69414.
	56100.	48186.								
1982	30457.	27586.	31114.	48257.	25657.	21286.	17571.	14143.	13000.	12286.
	12000.	11429.	11000.	10286.	9286.	8857.	8500.	8071.	7571.	7071.
	7000.	6500.	5857.	5500.	5000.	5000.	5000.	5071.	5714.	6786.
	9714.	27000.	55100.	61329.	70271.	103457.	103629.	108257.	126000.	101486.
	102729.	107000.	138143.	131000.	104571.	93929.	81286.	80857.	82857.	94143.
	174571.	104857.								
1983	54957.	36271.	28829.	22286.	18857.	16857.	15143.	13714.	12286.	11000.
	9943.	9086.	8914.	10000.	8486.	7857.	7800.	7600.	7686.	8600.
	9229.	8429.	7600.	7057.	6771.	6600.	6543.	6443.	6886.	9257.
	19786.	54829.	80286.	68714.	87286.	107857.	77143.	106571.	122143.	117714.
	111714.	99271.	90614.	95200.	145143.	113457.	89814.	84929.	73629.	49714.
	42171.	46829.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30), and filled with -1.0 for the missing data

TABLE 6

**Observed Weekly Flows for
Susitna River at Sunshine**

TABLE 6

OBSERVED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT SUNSHINE

1950	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1951	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1952	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1953	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1954	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1955	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1956	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30), and filled with -1.0 for the missing data

TABLE 6 (Continued)

OBSERVED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT SUNSHINE

1957	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1958	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1959	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1960	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1961	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1962	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1963	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30), and filled with -1.0 for the missing data

TABLE 6 (Continued)

OBSERVED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT SUNSHINE

1964	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1965	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1966	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1967	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1968	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1969	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1970	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30), and filled with -1.0 for the missing data

TABLE 6 (Continued)

OBSERVED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT SUNSHINE

1971	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1972	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1973	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1974	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1975	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1976	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1977	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30), and filled with -1.0 for the missing data

TABLE 6 (Continued)

OBSERVED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT SUNSHINE

1978	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1979	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1980	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1981	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
1982	14600.	40714.	42857.	34114.	49114.	45257.	43229.	52300.	60214.	54143.
	111570.	97171.	87043.	92029.	82914.	103657.	77000.	60971.	44243.	33757.
	27857.	24857.								
	17214.	16000.	16214.	18571.	9929.	8414.	7271.	5771.	4914.	4429.
	4043.	3914.	3657.	3000.	3500.	3500.	3500.	3514.	3829.	3214.
	2814.	2700.	2700.	2700.	2800.	3386.	3357.	3300.	3514.	4529.
	6557.	15914.	31000.	35000.	46400.	65386.	55857.	63100.	69257.	51500.
	57886.	59386.	78257.	67214.	49800.	45043.	38500.	40171.	37829.	41971.
	76157.	46571.								
	26100.	19400.	14814.	12300.	10443.	9143.	8214.	7286.	6786.	6214.
1983	5929.	5500.	5729.	6514.	5443.	4843.	4671.	4600.	4514.	4943.
	4786.	4186.	3829.	3486.	3243.	3114.	3157.	3286.	3900.	5514.
	9829.	23214.	40200.	37000.	49700.	56386.	45271.	56800.	63300.	63443.
	58943.	47871.	48071.	52071.	75200.	64386.	49200.	53514.	45200.	27000.
	21571.	25057.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30), and filled with -1.0 for the missing data

TABLE 7

**Filled Weekly Flows for
Chulitna River near Talkeetna**

TABLE 7

FILLED WEEKLY FLOWS^{1/} FOR CHULITNA RIVER NEAR TALKEETNA

1950	8746.	5587.	4075.	2796.	2457.	2091.	1749.	1558.	1260.	1270.
	1515.	1350.	1264.	1270.	1110.	1033.	958.	960.	924.	797.
	799.	782.	668.	542.	570.	672.	673.	678.	747.	838.
	1717.	6388.	13480.	12551.	16555.	14766.	19411.	25280.	21124.	22905.
	25701.	26929.	30826.	27857.	21206.	22830.	21840.	18969.	15508.	23138.
1951	18338.	14648.								
	8678.	6755.	4656.	3264.	2548.	1904.	1712.	1679.	1621.	1570.
	1420.	1335.	1380.	1529.	1381.	1606.	1638.	1433.	1472.	1367.
	1335.	1048.	890.	849.	908.	921.	865.	1043.	1586.	2319.
	4206.	9440.	8929.	7848.	12522.	18626.	27405.	20491.	23376.	26665.
1952	31764.	31158.	26221.	23825.	22668.	17480.	13811.	18063.	19399.	12291.
	10264.	10804.								
	6398.	4879.	3686.	3597.	4070.	3040.	2406.	2180.	1983.	2081.
	2143.	2090.	1950.	1668.	1503.	1550.	1511.	1376.	951.	922.
	813.	886.	936.	998.	1112.	1217.	1234.	1085.	1116.	1526.
1953	2098.	2824.	4098.	5684.	18380.	20528.	31294.	26354.	27048.	26303.
	24402.	26112.	24981.	29598.	25195.	22739.	18064.	17905.	18826.	15772.
	10990.	17884.								
	10594.	9626.	6386.	3565.	2895.	2375.	2068.	2109.	1601.	1098.
	1218.	1317.	1278.	1232.	1202.	1150.	1091.	1061.	995.	1010.
1954	981.	964.	994.	945.	937.	896.	882.	1076.	1523.	2385.
	5103.	10436.	10695.	20557.	16613.	19928.	23487.	21692.	24246.	21929.
	20163.	20297.	20202.	22020.	20951.	17144.	17831.	17281.	21774.	16652.
	9932.	8152.								
	5012.	4514.	3372.	2531.	1689.	1656.	1965.	1880.	1625.	1455.
1955	1536.	1591.	1362.	1263.	1240.	1235.	1222.	1202.	1167.	1198.
	1071.	1140.	1105.	1083.	975.	897.	880.	825.	984.	959.
	2780.	3895.	10746.	10299.	12053.	15300.	20796.	25498.	25742.	24009.
	25058.	22864.	21319.	31411.	26408.	26353.	21985.	19865.	12242.	9842.
	7973.	5451.								
1956	4123.	3748.	3686.	3468.	3448.	2739.	2198.	2172.	2025.	1677.
	1713.	1670.	1666.	1849.	1654.	1439.	1366.	1078.	938.	869.
	864.	814.	815.	865.	842.	1012.	1180.	1170.	1203.	1302.
	2376.	3850.	3632.	7752.	8663.	13747.	22368.	21333.	24447.	27952.
	33501.	33024.	27643.	25953.	24546.	19811.	14906.	16615.	15571.	17491.
1956	14095.	15585.								
	9176.	7010.	5061.	3451.	2278.	1750.	2020.	2002.	1868.	1490.
	1585.	1694.	1879.	1563.	1363.	1233.	1202.	1126.	1041.	1196.
	1078.	1127.	1089.	1118.	1063.	1031.	954.	905.	972.	789.
	1766.	6989.	7915.	12435.	14472.	22974.	29458.	27686.	27315.	23989.
1956	28473.	29985.	29230.	25594.	21568.	20087.	18663.	14873.	17035.	17766.
	22183.	19168.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 7 (Continued)

FILLED WEEKLY FLOWS^{1/} FOR CHULITNA RIVER NEAR TALKEETNA

1957	7232.	5325.	3296.	2916.	2915.	2356.	2029.	1971.	1775.	1458.
	1560.	1578.	1583.	1347.	1529.	1564.	1643.	1504.	1376.	1219.
	1217.	1287.	1245.	1228.	1242.	1304.	1203.	1049.	1201.	1141.
	2299.	4316.	4291.	8375.	14426.	21474.	23708.	28545.	25256.	26898.
	29751.	29983.	26333.	24723.	23798.	26785.	22352.	17406.	11017.	9843.
	7776.	8209.								
1958	5543.	4791.	3563.	3746.	3048.	3475.	2461.	2351.	2432.	2153.
	1989.	1796.	1553.	1353.	1367.	1196.	1226.	1188.	1147.	1084.
	1214.	1330.	1384.	1449.	1362.	1229.	1330.	1234.	1762.	2336.
	4923.	16999.	27115.	31776.	24625.	20843.	26750.	22539.	25013.	25180.
	23617.	26270.	29843.	40438.	36689.	42503.	26750.	21600.	13714.	16277.
	13651.	14163.								
1959	8926.	6493.	4799.	3084.	2409.	2235.	1960.	1540.	1356.	1134.
	1045.	1363.	1283.	1249.	1349.	1194.	1202.	1242.	1184.	950.
	947.	958.	920.	957.	1052.	1111.	1123.	1215.	1550.	2125.
	3128.	6224.	15992.	13254.	13164.	14469.	12170.	17883.	23840.	22915.
	23457.	25708.	22033.	21254.	20547.	26094.	35342.	26759.	15540.	9929.
	6758.	5341.								
1960	7071.	5329.	3286.	3773.	3071.	2357.	2200.	2143.	1957.	1700.
	1700.	1700.	1700.	1286.	1500.	1429.	1400.	1314.	1200.	1143.
	1000.	996.	990.	959.	880.	880.	900.	900.	1071.	1100.
	2700.	6914.	11541.	21471.	23971.	14714.	16371.	17457.	21243.	23671.
	19500.	22000.	26057.	27800.	25000.	20286.	14000.	13243.	7776.	15126.
	14571.	14529.								
1961	8797.	5834.	3981.	3014.	2314.	2100.	1971.	1800.	1829.	1900.
	1857.	1600.	1600.	1429.	1400.	1471.	1500.	1329.	1100.	1100.
	1100.	1036.	950.	1021.	1200.	1200.	1500.	1500.	1671.	1700.
	2900.	8829.	12714.	11743.	12386.	12343.	21886.	25600.	24643.	26243.
	23457.	26586.	32129.	30429.	30857.	19300.	26314.	17329.	15614.	22471.
	14914.	13469.								
1962	10121.	5790.	4486.	3786.	3000.	2800.	2457.	2000.	1857.	1500.
	1500.	1500.	1500.	1329.	1300.	1300.	1300.	1171.	1000.	1000.
	1000.	970.	930.	930.	930.	930.	940.	940.	1334.	1400.
	2686.	3200.	6299.	11550.	15486.	13386.	24471.	23000.	23000.	25000.
	25000.	26686.	30000.	31714.	20171.	18529.	17914.	26157.	23200.	12011.
	8539.	10793.								
1963	6379.	3996.	2424.	1957.	1686.	1600.	1514.	1400.	1429.	1500.
	1514.	1600.	1600.	1600.	1600.	1600.	1600.	1471.	1300.	1300.
	1300.	1159.	970.	901.	730.	730.	650.	650.	736.	750.
	1714.	2100.	10614.	17000.	24771.	15914.	14843.	16157.	22157.	28914.
	34000.	32429.	23000.	19000.	16429.	19000.	19714.	19143.	14000.	11143.
	10000.	11429.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 7 (Continued)

FILLED WEEKLY FLOWS^{1/} FOR CHULITNA RIVER NEAR TALKEETNA

1964	10874.	10000.	7971.	4800.	3829.	3100.	2414.	1500.	1357.	1000.
	1000.	1000.	1000.	1086.	1100.	971.	920.	877.	820.	820.
	820.	799.	770.	770.	770.	770.	900.	1071.	1214.	1300.
	1371.	1429.	1500.	3643.	15714.	45000.	39857.	38143.	37000.	24000.
	25714.	26143.	21000.	25686.	19586.	19900.	22143.	15857.	12443.	9000.
	7800.	8191.								
1965	5977.	9479.	4403.	3700.	3086.	2900.	2900.	2900.	2671.	2100.
	2100.	2100.	2100.	1671.	1600.	1600.	1600.	1514.	1400.	1400.
	1400.	1357.	1300.	1300.	1300.	1300.	1400.	1400.	1400.	1400.
	2257.	2600.	7971.	12000.	15286.	16571.	18143.	22886.	21700.	20043.
	25557.	24471.	22300.	24957.	23771.	31029.	20257.	11914.	20971.	21857.
	17886.	33129.								
1966	9400.	9400.	3871.	2950.	2190.	1620.	1620.	1620.	1543.	1350.
	1350.	1350.	1350.	1221.	1200.	1200.	1200.	1157.	1100.	1100.
	1100.	1100.	1100.	1100.	1100.	1100.	1300.	1300.	1300.	1300.
	1871.	2100.	4043.	5500.	6914.	21800.	23571.	23157.	21643.	18757.
	21314.	25857.	28257.	28829.	26543.	23814.	34843.	22286.	13571.	13143.
	12571.	10426.								
1967	8000.	5429.	3936.	2514.	1914.	1743.	1671.	1600.	1557.	1500.
	1500.	1500.	1500.	1500.	1500.	1471.	1400.	1371.	1300.	1271.
	1200.	1200.	1100.	1029.	1000.	986.	921.	900.	900.	1043.
	2043.	5700.	15286.	17571.	20143.	18571.	24000.	27100.	34286.	32043.
	29271.	44914.	38200.	30914.	26357.	52000.	34600.	21286.	16900.	14571.
	10639.	8586.								
1968	5181.	3971.	3159.	2286.	1871.	1757.	1671.	1571.	1500.	1486.
	1400.	1386.	1300.	1300.	1271.	1200.	1200.	1200.	1200.	1200.
	1200.	1200.	1200.	1171.	1100.	1100.	1171.	1200.	1329.	1543.
	2157.	3561.	8383.	18700.	22257.	22729.	34314.	33886.	27286.	30943.
	32943.	26586.	32329.	23243.	26143.	21943.	19100.	13443.	9493.	9024.
	6330.	5289.								
1969	3824.	3267.	2514.	2371.	1857.	1557.	1457.	1400.	1300.	1200.
	1157.	1100.	1071.	1000.	1000.	964.	950.	929.	900.	900.
	900.	879.	850.	836.	800.	800.	864.	964.	1286.	1900.
	2757.	4094.	5097.	8736.	9073.	10569.	17700.	24471.	24300.	23957.
	23771.	19557.	17986.	16386.	17214.	9071.	7571.	7991.	8563.	7300.
	6051.	5587.								
1970	5509.	5681.	4571.	3229.	2843.	2186.	1771.	1571.	1400.	1343.
	1300.	1300.	1300.	1214.	1200.	1200.	1200.	1200.	1200.	1171.
	1100.	1100.	1100.	1100.	1100.	1100.	1129.	1243.	1414.	1757.
	2614.	5417.	9829.	13457.	16571.	15143.	24857.	19000.	20714.	22857.
	25286.	26600.	26614.	32700.	28557.	21286.	25143.	18443.	17214.	13000.
	9453.	6220.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 7 (Continued)

FILLED WEEKLY FLOWS^{1/} FOR CHULITNA RIVER NEAR TALKEETNA

1978	7388.	7055.	5218.	4357.	4192.	3043.	2423.	2130.	2094.	1951.
	1899.	1799.	1904.	1993.	1703.	1685.	1521.	1446.	1296.	1197.
	1081.	986.	1005.	985.	893.	1010.	1219.	1123.	1205.	1514.
	2178.	5681.	6890.	6228.	7670.	13314.	21107.	18167.	21629.	25831.
	25126.	29249.	28384.	30033.	29259.	26851.	19865.	15145.	17882.	13942.
	10558.	7895.								
1979	5359.	4532.	3777.	2798.	2759.	2711.	2260.	2127.	2080.	2002.
	1973.	1780.	1751.	1505.	1680.	1501.	1459.	1293.	1242.	1105.
	1156.	1151.	995.	1084.	1030.	1114.	1141.	1210.	1279.	2100.
	3648.	8348.	12392.	12871.	16951.	14662.	17983.	19191.	25503.	26914.
	30926.	38726.	33996.	33021.	30937.	32570.	25079.	15883.	9073.	9235.
	8001.	7909.								
1980	6348.	7251.	4162.	3443.	2893.	2895.	2708.	1975.	2157.	1656.
	1448.	1520.	1397.	1274.	1332.	1258.	1229.	1140.	1179.	1102.
	1103.	1189.	1062.	1024.	895.	988.	959.	1052.	1102.	1425.
	2347.	2273.	2165.	3456.	7768.	12234.	14032.	19056.	24853.	24070.
	27270.	27150.	27978.	23036.	17819.	13927.	13593.	11263.	10227.	9215.
	11910.	10084.								
1981	7357.	6397.	5313.	4479.	3830.	3543.	3171.	2971.	2743.	2457.
	2043.	1800.	1657.	1657.	1643.	1600.	1600.	1557.	1500.	1400.
	1371.	1300.	1229.	1200.	1100.	1100.	1000.	1000.	1100.	2014.
	5271.	10133.	10280.	8847.	16357.	21457.	22243.	22086.	24614.	18486.
	36057.	35229.	30700.	36500.	33486.	42600.	25043.	24700.	18786.	11334.
	9760.	7711.								
1982	5210.	4914.	4629.	5057.	3343.	2857.	2257.	1729.	1443.	1300.
	1214.	1200.	1129.	1100.	1086.	1000.	993.	950.	950.	850.
	829.	800.	757.	750.	779.	864.	979.	1000.	1057.	1171.
	1714.	4343.	6143.	8914.	10936.	16714.	15886.	18157.	24014.	21371.
	23000.	22400.	33314.	27100.	22743.	21271.	17957.	16871.	12786.	15157.
	30529.	17257.								
1983	8773.	6057.	4507.	3614.	3143.	2771.	2471.	2257.	2114.	1957.
	1829.	1743.	1793.	2079.	1750.	1486.	1286.	1136.	1050.	1000.
	1036.	1050.	1050.	1050.	1050.	1050.	1000.	1000.	1143.	1607.
	2543.	5014.	11771.	11671.	13714.	15300.	14800.	19986.	26086.	26829.
	22857.	20514.	19757.	21557.	31271.	22100.	17929.	17657.	16657.	10686.
	8306.	7986.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 7 (Continued)

FILLED WEEKLY FLOWS^{1/} FOR CHULITNA RIVER NEAR TALKEETNA

1971	4771.	4229.	3543.	3114.	3000.	2714.	2057.	1814.	1629.	1500.
	1429.	1343.	1300.	1214.	1200.	1100.	1029.	979.	950.	950.
	950.	950.	950.	936.	900.	943.	950.	950.	993.	1000.
	1314.	2400.	3800.	5729.	9714.	14000.	20257.	19686.	38257.	28429.
	33543.	30471.	19657.	21429.	31571.	27600.	19929.	15829.	15929.	12857.
1972	8950.	7551.								
	5514.	8671.	5100.	3514.	2857.	2400.	2129.	1900.	1714.	1557.
	1443.	1386.	1300.	1257.	1200.	1200.	1100.	1100.	1100.	1029.
	1000.	1000.	979.	950.	900.	900.	893.	850.	850.	893.
	2414.	9214.	8071.	10786.	18929.	12800.	19243.	20643.	18186.	24700.
1973	33143.	23486.	23486.	23286.	22157.	21743.	22900.	13929.	14114.	18771.
	9894.	7331.								
	5076.	3802.	5625.	4311.	2935.	2454.	2301.	1883.	1992.	2055.
	1877.	2007.	1718.	1398.	1272.	1248.	1204.	1245.	1193.	1139.
	1107.	1040.	916.	944.	856.	797.	726.	866.	870.	1190.
1974	1770.	4144.	13496.	13449.	12248.	15345.	24457.	25956.	24565.	22054.
	25189.	19301.	19572.	18061.	19459.	12985.	21226.	19399.	14787.	10724.
	6249.	3118.								
	3903.	2259.	1764.	1909.	1640.	1495.	1553.	1469.	1573.	1403.
	1299.	1085.	1151.	1034.	1034.	1000.	987.	1007.	1073.	1084.
1975	1082.	1069.	1061.	979.	941.	941.	912.	920.	927.	1218.
	2061.	4075.	4533.	7282.	11035.	9972.	13423.	16703.	22307.	23428.
	24684.	24808.	22432.	20480.	22507.	19633.	13950.	20217.	17578.	10463.
	8418.	9900.								
	5561.	4583.	2769.	2627.	2280.	1751.	1573.	1423.	1613.	1465.
1976	1412.	1513.	1499.	1437.	1322.	1128.	1037.	1180.	1072.	894.
	920.	950.	848.	907.	932.	852.	920.	917.	888.	1097.
	1656.	2016.	8351.	12919.	19277.	19693.	20543.	23130.	25422.	27378.
	33610.	30893.	22061.	21668.	25546.	22945.	14643.	14029.	13203.	13074.
	12008.	9397.								
1977	5862.	5881.	3914.	2639.	2195.	1670.	1633.	1458.	1510.	1377.
	1344.	1242.	1248.	1205.	1164.	1111.	1150.	1139.	1164.	1440.
	1322.	1326.	1302.	1095.	1101.	1117.	1088.	1203.	1654.	2103.
	5318.	15467.	11477.	12269.	16088.	25163.	31280.	23826.	29573.	26818.
	30060.	32081.	29086.	26548.	24911.	24142.	25751.	17574.	11949.	10078.
1977	10724.	11969.								
	7683.	6367.	4544.	4647.	3513.	2954.	2666.	2343.	2431.	2041.
	1603.	1742.	1816.	1769.	1619.	1477.	1409.	1223.	1208.	1102.
	1230.	1171.	1152.	1113.	1068.	1066.	1147.	1067.	1039.	1018.
	1528.	2419.	4942.	8749.	17334.	30894.	38416.	34197.	38378.	29431.
1977	32289.	36728.	31670.	28862.	30309.	31882.	37001.	19400.	16499.	15885.
	14207.	13425.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 8

**Filled Weekly Flows for
Talkeetna River near Talkeetna**

TABLE 8

FILLED WEEKLY FLOWS^{1/} FOR TALKEETNA RIVER NEAR TALKEETNA

1950	3007.	1794.	1335.	1485.	1446.	1302.	1035.	984.	774.	841.
	904.	769.	744.	752.	615.	612.	590.	534.	573.	445.
	372.	295.	288.	289.	323.	364.	392.	417.	444.	546.
	689.	1410.	3289.	3775.	6735.	6595.	6560.	11800.	8144.	8557.
	9996.	11252.	12560.	11627.	11507.	9367.	8231.	7078.	6017.	6241.
	6235.	4412.								
1951	2679.	2254.	1898.	1249.	1005.	803.	723.	793.	888.	816.
	759.	576.	474.	572.	612.	615.	645.	650.	566.	478.
	462.	394.	369.	381.	332.	315.	314.	335.	426.	641.
	861.	1718.	2382.	2577.	3060.	6534.	7127.	4051.	6135.	7013.
	9304.	9313.	8047.	8681.	9670.	8139.	7061.	8268.	8059.	5625.
	4796.	6155.								
1952	4012.	3107.	2406.	2208.	1956.	1867.	1579.	1414.	1236.	1078.
	1195.	1178.	1079.	893.	787.	733.	673.	560.	502.	484.
	420.	330.	370.	352.	346.	412.	404.	351.	356.	398.
	491.	789.	1443.	2837.	12439.	17064.	19899.	18460.	19675.	17484.
	14177.	19085.	16758.	18975.	14479.	10416.	8082.	7818.	6520.	4662.
	4898.	10887.								
1953	7249.	6884.	4157.	2539.	1935.	1588.	1414.	1593.	1477.	1102.
	989.	961.	954.	813.	687.	663.	582.	486.	417.	400.
	369.	331.	336.	326.	359.	408.	438.	482.	739.	1138.
	3806.	6496.	6144.	11842.	11749.	15801.	14082.	10550.	10448.	7556.
	8771.	8983.	9617.	10329.	8604.	6557.	8257.	8761.	8760.	10667.
	8925.	6669.								
1954	3474.	2856.	2541.	1729.	861.	921.	834.	803.	668.	723.
	681.	646.	597.	577.	567.	600.	499.	466.	402.	391.
	372.	357.	307.	322.	345.	396.	425.	381.	487.	465.
	1299.	1585.	3098.	3050.	4584.	6563.	7846.	6727.	8060.	7256.
	7198.	7036.	8740.	12430.	13818.	14585.	14189.	9880.	6739.	8794.
	9814.	7662.								
1955	3319.	3076.	2837.	2415.	2017.	1506.	1270.	1130.	898.	832.
	805.	836.	714.	699.	692.	566.	601.	570.	526.	485.
	454.	430.	392.	468.	473.	502.	541.	489.	487.	459.
	816.	1451.	2283.	4363.	4319.	7216.	10120.	12331.	14489.	14473.
	14749.	13737.	12337.	10485.	10249.	10607.	9999.	8572.	8582.	10085.
	7099.	7800.								
1956	3578.	2877.	2040.	1924.	1220.	832.	825.	903.	885.	720.
	643.	580.	600.	597.	594.	538.	510.	514.	477.	480.
	418.	436.	456.	444.	454.	476.	465.	471.	506.	520.
	813.	2026.	3046.	6748.	8910.	11608.	17186.	11699.	10381.	9279.
	9761.	11644.	11665.	11371.	9720.	5912.	3418.	3810.	3475.	5346.
	5983.	3364.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 8 (Continued)

FILLED WEEKLY FLOWS^{1/} FOR TALKEETNA RIVER NEAR TALKEETNA

1957	2264.	2406.	1855.	1605.	1532.	1307.	1132.	916.	968.	855.
	913.	1007.	1101.	1024.	1005.	895.	810.	728.	585.	522.
	526.	501.	552.	560.	544.	488.	493.	501.	513.	675.
	1333.	2524.	3631.	6153.	13760.	11682.	12095.	10181.	7896.	8734.
	8259.	8582.	9625.	8672.	9121.	12060.	10202.	5555.	4249.	5688.
	5433.	7988.								
1958	4533.	2838.	2347.	2221.	1962.	2000.	1887.	1366.	1399.	1413.
	1210.	1091.	1071.	986.	802.	681.	633.	608.	549.	549.
	555.	606.	691.	736.	673.	656.	696.	765.	986.	1376.
	2744.	5532.	5825.	8740.	10047.	11843.	15608.	11337.	11081.	8109.
	6703.	7266.	8298.	12021.	11720.	8905.	7947.	5140.	4352.	6036.
	4410.	6773.								
1959	4496.	4673.	3941.	2887.	2062.	1973.	1636.	1233.	1164.	821.
	713.	819.	824.	810.	725.	721.	768.	703.	661.	603.
	594.	541.	495.	525.	572.	561.	583.	598.	782.	1107.
	1243.	2066.	6640.	7515.	7643.	8148.	6724.	8428.	12025.	9321.
	9149.	10174.	10873.	11972.	10378.	12680.	27846.	14832.	11106.	8572.
	5310.	4922.								
1960	4684.	3579.	2274.	2075.	1763.	1501.	1336.	1108.	1282.	976.
	973.	824.	788.	740.	763.	674.	594.	552.	572.	556.
	520.	497.	540.	478.	483.	486.	411.	408.	420.	461.
	955.	1789.	3287.	5953.	8142.	4877.	5091.	7464.	7048.	8685.
	7870.	6963.	11980.	15092.	16174.	13972.	13243.	7980.	5266.	10613.
	6077.	6815.								
1961	5057.	3810.	3429.	2479.	1570.	1558.	1490.	1111.	1089.	1174.
	1120.	1113.	1203.	1113.	926.	917.	906.	804.	703.	667.
	674.	705.	623.	602.	570.	472.	568.	696.	651.	888.
	1017.	1622.	3694.	4521.	5315.	5754.	8949.	9400.	9078.	6741.
	7236.	7847.	9272.	8425.	11451.	10199.	9809.	5626.	4351.	4388.
	3676.	5779.								
1962	4585.	2261.	2718.	2613.	2156.	1611.	1432.	1404.	1295.	1109.
	1077.	1059.	1052.	894.	819.	823.	835.	735.	684.	617.
	621.	556.	564.	513.	473.	492.	545.	600.	663.	719.
	902.	1225.	2764.	6056.	11220.	9136.	14384.	16624.	14069.	10488.
	11070.	10814.	13302.	12806.	10639.	8151.	6732.	5261.	4947.	3050.
	2619.	3007.								
1963	2405.	2214.	2429.	2000.	1416.	1210.	1096.	1001.	1113.	1080.
	983.	1063.	892.	787.	686.	640.	588.	480.	485.	472.
	453.	413.	311.	342.	371.	433.	456.	460.	423.	383.
	613.	930.	3619.	6728.	10984.	8111.	7827.	7856.	8562.	11480.
	16775.	19916.	13828.	10672.	8265.	6991.	7653.	4799.	3918.	4216.
	2033.	2476.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 8 (Continued)

FILLED WEEKLY FLOWS^{1/} FOR TALKEETNA RIVER NEAR TALKEETNA

1964	2110.	1601.	1482.	1117.	979.	990.	850.	789.	821.	709.
	693.	632.	632.	625.	629.	606.	575.	537.	520.	509.
	485.	448.	402.	416.	407.	411.	441.	515.	499.	570.
	795.	1337.	2192.	3671.	16186.	34135.	25956.	23834.	19490.	12516.
	15855.	15425.	10246.	10369.	8304.	8269.	7193.	4821.	3835.	3279.
	3639.	4144.								
1965	3669.	4089.	2827.	2343.	1900.	1790.	1653.	1550.	1421.	1100.
	1100.	1100.	1100.	774.	720.	720.	720.	677.	620.	620.
	620.	586.	540.	540.	540.	540.	580.	580.	580.	580.
	851.	1043.	2057.	4209.	11061.	8701.	10423.	12394.	12357.	11363.
	14729.	13771.	10146.	9706.	9801.	17586.	10886.	6071.	7857.	8609.
	9974.	18286.								
1966	7613.	4840.	3550.	2700.	2091.	1717.	1427.	1199.	1046.	950.
	897.	844.	790.	764.	740.	709.	677.	637.	581.	527.
	477.	430.	399.	390.	390.	393.	400.	400.	414.	450.
	590.	1137.	2049.	3231.	5911.	20300.	13311.	10743.	9133.	6956.
	10316.	8746.	11424.	17200.	11184.	9704.	9977.	7707.	5881.	6073.
	5407.	4651.								
1967	3606.	2889.	2151.	1429.	1100.	936.	879.	850.	807.	800.
	757.	736.	700.	693.	650.	636.	600.	600.	579.	550.
	514.	500.	497.	477.	457.	440.	426.	420.	420.	429.
	663.	2113.	3979.	6206.	7186.	6657.	8686.	11014.	11499.	9501.
	9229.	18214.	14514.	10947.	10106.	22886.	14929.	9447.	12066.	18889.
	5106.	4133.								
1968	2656.	2276.	1824.	1586.	1450.	1329.	1257.	1186.	1093.	1050.
	1000.	966.	926.	897.	871.	846.	823.	803.	791.	780.
	760.	760.	746.	740.	740.	740.	751.	811.	956.	1250.
	1793.	3157.	7486.	16286.	14429.	13571.	18200.	14500.	10643.	13000.
	12714.	9429.	10497.	9117.	8077.	6739.	7610.	6667.	5671.	4840.
	3313.	3006.								
1969	2081.	1813.	1514.	1329.	1129.	943.	807.	707.	643.	600.
	571.	550.	514.	497.	471.	446.	440.	431.	420.	400.
	389.	380.	380.	380.	380.	380.	380.	391.	464.	723.
	1121.	1947.	2833.	8287.	4347.	4003.	5647.	5466.	6063.	6050.
	7966.	7250.	6531.	7174.	5994.	3037.	2257.	2209.	2660.	2141.
	1783.	1943.								
1970	1906.	1586.	1343.	1114.	1043.	829.	721.	693.	650.	600.
	600.	586.	550.	543.	500.	500.	494.	480.	466.	460.
	449.	440.	440.	440.	440.	440.	440.	451.	537.	686.
	879.	1954.	4486.	5347.	6841.	5711.	8329.	6629.	11733.	11106.
	8197.	11307.	10471.	10971.	10206.	7694.	8866.	6593.	5743.	8257.
	6484.	4271.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 8 (Continued)

FILLED WEEKLY FLOWS^{1/} FOR TALKEETNA RIVER NEAR TALKEETNA

1971	3871.	3089.	2600.	2057.	1971.	1871.	1629.	1471.	1329.	1200.
	1114.	1100.	986.	893.	750.	657.	564.	500.	483.	466.
	443.	400.	400.	400.	400.	409.	434.	454.	501.	579.
	693.	971.	1620.	3121.	4669.	12734.	23586.	19471.	24414.	12743.
	12714.	13571.	9000.	11214.	31329.	18071.	10571.	8214.	9643.	6071.
	4457.	4429.								
1972	3171.	3057.	2571.	2071.	1743.	1514.	1300.	1129.	993.	929.
	864.	800.	764.	750.	750.	729.	700.	700.	664.	636.
	600.	557.	514.	489.	460.	431.	400.	434.	503.	664.
	864.	1400.	2243.	4463.	11996.	10363.	11911.	15057.	11943.	12186.
	12614.	10877.	12000.	13143.	10406.	9026.	9577.	6771.	9571.	12757.
	7887.	6167.								
1973	4754.	3417.	4190.	2801.	2000.	1571.	1314.	1200.	1000.	971.
	900.	850.	814.	800.	779.	750.	700.	700.	664.	650.
	650.	607.	600.	586.	550.	550.	500.	529.	571.	650.
	893.	1514.	4679.	5453.	6776.	8549.	14106.	17057.	10631.	9206.
	7891.	6166.	7353.	7801.	9411.	6843.	14757.	9714.	5429.	3843.
	3171.	3034.								
1974	2556.	2006.	1586.	1343.	1157.	1029.	950.	886.	836.	793.
	750.	736.	700.	693.	650.	650.	621.	600.	586.	550.
	550.	507.	500.	500.	471.	450.	450.	450.	514.	643.
	1021.	2177.	3991.	8333.	13087.	8343.	7923.	7104.	7816.	6963.
	7467.	8086.	8500.	7863.	7679.	7550.	5573.	10094.	6446.	3786.
	3374.	5494.								
1975	2616.	2411.	1657.	1514.	1286.	1086.	957.	886.	821.	800.
	793.	750.	750.	707.	700.	700.	700.	650.	614.	586.
	550.	550.	514.	500.	500.	500.	500.	500.	507.	557.
	643.	943.	3257.	5481.	11976.	13371.	10870.	14314.	13886.	11929.
	14686.	12586.	10009.	10297.	23629.	8664.	7694.	5781.	5869.	10081.
	9630.	7817.								
1976	4483.	3497.	2706.	1557.	1129.	886.	757.	643.	600.	571.
	550.	550.	550.	550.	550.	514.	500.	491.	480.	480.
	480.	480.	480.	474.	460.	460.	460.	494.	600.	786.
	1586.	3857.	3227.	3813.	5079.	10677.	15029.	8876.	8763.	8041.
	9137.	10283.	8949.	9169.	8519.	10206.	18540.	4786.	3293.	3164.
	3274.	3431.								
1977	2200.	1943.	1791.	1661.	1400.	1187.	916.	889.	1371.	1286.
	1114.	964.	857.	816.	726.	657.	663.	603.	566.	549.
	531.	520.	517.	500.	500.	500.	567.	520.	540.	586.
	679.	1414.	3409.	5773.	12801.	18400.	23457.	17229.	14157.	8503.
	8654.	11574.	8981.	9156.	8313.	8544.	8526.	5249.	4320.	5821.
	7257.	7486.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 8 (Continued)

FILLED WEEKLY FLOWS^{1/} FOR TALKEETNA RIVER NEAR TALKEETNA

1978	4516.	3686.	3314.	2229.	1571.	1229.	1071.	987.	937.	893.
	861.	844.	829.	801.	774.	750.	713.	654.	601.	569.
	553.	529.	506.	486.	470.	464.	470.	493.	533.	601.
	726.	1821.	3714.	3984.	4331.	6736.	8373.	7281.	8114.	10236.
	10237.	10420.	12157.	10466.	8441.	7437.	5697.	4286.	4764.	3966.
	3060.	2914.								
1979	2087.	1573.	1641.	1449.	1359.	1277.	1114.	1014.	1000.	986.
	950.	914.	871.	821.	789.	757.	729.	700.	674.	649.
	631.	620.	609.	583.	560.	540.	544.	550.	576.	943.
	2114.	4353.	6080.	8864.	18814.	15014.	10677.	9006.	11491.	12749.
	11900.	19714.	14443.	13229.	9397.	7163.	6859.	5717.	3035.	3347.
	4769.	5013.								
1980	3919.	4763.	2930.	2340.	2204.	1996.	2219.	1086.	1150.	893.
	850.	850.	850.	843.	800.	800.	800.	800.	771.	750.
	731.	700.	700.	700.	700.	700.	743.	800.	879.	1471.
	2200.	3014.	4541.	5801.	8714.	11429.	11286.	10857.	12857.	11471.
	15286.	13700.	14329.	12794.	8227.	7021.	6669.	4643.	3361.	5066.
	9066.	5050.								
1981	3344.	2914.	2486.	2014.	1586.	1400.	1000.	991.	937.	781.
	680.	680.	680.	669.	660.	660.	653.	583.	534.	530.
	530.	530.	530.	534.	560.	560.	560.	566.	633.	819.
	1500.	4826.	5881.	3796.	6324.	5180.	5546.	6631.	8913.	7646.
	18376.	19457.	17400.	18657.	11871.	17943.	13089.	9197.	6059.	4359.
	3524.	3753.								
1982	2481.	2316.	2306.	2500.	1629.	1436.	1307.	1059.	891.	783.
	709.	663.	464.	557.	650.	650.	650.	651.	641.	464.
	329.	264.	260.	260.	270.	360.	440.	430.	436.	553.
	816.	1793.	3471.	4450.	7990.	13829.	11511.	12857.	13626.	7511.
	8521.	8889.	15706.	11760.	7610.	6566.	5983.	6943.	7149.	8774.
	15043.	8820.								
1983	5361.	3837.	3029.	1971.	1457.	1314.	1214.	1200.	1100.	1100.
	1100.	1064.	1043.	1136.	927.	777.	681.	603.	554.	564.
	607.	599.	579.	567.	554.	550.	540.	540.	607.	850.
	1400.	2671.	5193.	6056.	8647.	9373.	7414.	9276.	8934.	10039.
	9760.	7400.	7880.	7734.	11679.	9121.	6943.	6801.	5353.	3386.
	2900.	4393.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 9

**Filled Weekly Flows for
Skwentna River near Skwentna**

TABLE 9

FILLED WEEKLY FLOWS^{1/} FOR SKWENTNA RIVER NEAR SKWENTNA

1950	6180.	3685.	3074.	1872.	1532.	1668.	1710.	1481.	1104.	1150.
	1083.	783.	886.	779.	723.	749.	662.	746.	665.	673.
	792.	861.	696.	586.	553.	543.	621.	608.	531.	485.
	1028.	4867.	7665.	9803.	13748.	13717.	13284.	19463.	16336.	15204.
	18653.	20828.	25872.	20303.	15991.	12149.	12468.	10437.	7495.	8462.
	8939.	9438.								
1951	8235.	7312.	4957.	3305.	1904.	1100.	1238.	1196.	1080.	1275.
	1196.	1145.	1049.	923.	799.	957.	994.	1025.	1137.	1083.
	1037.	767.	657.	638.	597.	758.	766.	1025.	1331.	2352.
	4580.	4605.	3048.	4193.	5961.	12786.	15767.	10917.	13880.	16816.
	19270.	15886.	13940.	12352.	9844.	8307.	9441.	9456.	13119.	10589.
	9602.	7752.								
1952	5747.	6022.	3684.	3427.	3152.	2564.	1694.	1630.	1628.	1351.
	1249.	1467.	1222.	1140.	1003.	1208.	939.	900.	652.	676.
	641.	653.	683.	780.	924.	740.	654.	479.	407.	426.
	549.	826.	1196.	2995.	10936.	19042.	28258.	23930.	24957.	20513.
	18378.	20391.	23299.	21410.	15881.	14635.	10824.	7713.	10938.	8348.
	8848.	13587.								
1953	6602.	6609.	5295.	3403.	3265.	3029.	2130.	2258.	2215.	1673.
	1500.	1648.	1266.	1327.	1159.	1117.	1279.	1017.	1159.	1161.
	927.	859.	773.	602.	570.	574.	643.	638.	955.	1277.
	2890.	5580.	7554.	11466.	10855.	10526.	13513.	11923.	12333.	12080.
	13487.	13701.	13299.	15541.	19256.	13609.	13009.	13937.	14424.	15430.
	17301.	9791.								
1954	5477.	5359.	6470.	5186.	3645.	2942.	2275.	2152.	1701.	1532.
	1676.	1245.	1148.	902.	1087.	900.	1054.	1023.	1173.	1030.
	1101.	935.	882.	821.	704.	605.	658.	611.	967.	821.
	3030.	2849.	5104.	5975.	7468.	11090.	12789.	13027.	15802.	13381.
	13805.	11800.	12308.	18480.	17367.	16975.	13920.	10329.	8718.	7557.
	6760.	4660.								
1955	4094.	5384.	5507.	4793.	3506.	2579.	1666.	1480.	1320.	1098.
	1028.	1092.	993.	1207.	1236.	1119.	1192.	1273.	1046.	866.
	770.	661.	704.	616.	713.	862.	945.	936.	813.	900.
	1257.	1758.	1791.	4687.	7340.	12284.	15650.	17641.	17224.	20877.
	20678.	18188.	19832.	13728.	19517.	18140.	14339.	10607.	10636.	10874.
	7526.	10791.								
1956	7590.	10460.	11772.	7721.	4094.	2620.	2467.	2255.	1772.	1279.
	1354.	1125.	1331.	1430.	1638.	1394.	1218.	1293.	1126.	1281.
	1078.	1088.	862.	904.	722.	663.	957.	828.	802.	737.
	2085.	5537.	4180.	6471.	10108.	21874.	28584.	26751.	22620.	22270.
	26540.	20809.	19381.	16125.	14497.	15813.	9909.	7427.	8468.	9087.
	9884.	10301.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 9 (Continued)

FILLED WEEKLY FLOWS^{1/} FOR SKWENTNA RIVER NEAR SKWENTNA

1957	5233.	5554.	5018.	3634.	2672.	2452.	3099.	1660.	1391.	1347.
	1150.	1074.	1043.	821.	915.	906.	790.	822.	860.	731.
	928.	936.	803.	838.	950.	977.	765.	704.	784.	800.
	1542.	1770.	3303.	9513.	12355.	20806.	22892.	21467.	12614.	13103.
	11415.	12667.	13278.	12809.	11509.	9382.	9687.	9996.	10361.	8953.
	9594.	11523.								
1958	6138.	9130.	5455.	4137.	3135.	4932.	3358.	2172.	1892.	1778.
	1608.	1299.	1111.	1265.	1495.	1245.	1169.	1017.	1084.	924.
	1223.	1263.	1269.	1250.	899.	813.	1070.	1018.	1384.	1309.
	1689.	2323.	3641.	6000.	6514.	9161.	13258.	12497.	11642.	17506.
	14825.	14270.	13787.	18697.	13818.	12284.	8915.	5591.	5017.	6576.
	5958.	5801.								
1959	6007.	5413.	5272.	4111.	3230.	3880.	2499.	1757.	1504.	1030.
	1034.	1086.	1040.	711.	780.	702.	689.	724.	771.	813.
	888.	716.	720.	637.	591.	655.	814.	857.	1065.	1310.
	2293.	3615.	9190.	12706.	12085.	12871.	13866.	14361.	13682.	14028.
	14879.	17591.	12709.	11216.	10452.	9926.	13877.	12169.	7768.	5334.
	5205.	3350.								
1960	4200.	4200.	3086.	2900.	2400.	2000.	1871.	1700.	1614.	1400.
	1400.	1400.	1400.	1229.	1200.	1057.	1000.	991.	980.	969.
	940.	923.	900.	869.	790.	790.	780.	780.	874.	890.
	3540.	4600.	11114.	16000.	15143.	13000.	12900.	14000.	14000.	17000.
	15286.	14000.	17057.	21429.	18686.	15143.	12286.	10071.	7536.	11403.
	9729.	9466.								
1961	6277.	4529.	3176.	2371.	1843.	1700.	1614.	1500.	1557.	1700.
	1671.	1500.	1500.	1329.	1300.	1443.	1500.	1371.	1200.	1171.
	1100.	1057.	1000.	1086.	1300.	1300.	1600.	1600.	1771.	1800.
	3300.	9970.	15457.	12943.	11771.	12300.	20229.	21871.	20100.	15000.
	15000.	15857.	16000.	15429.	15000.	12776.	14957.	11714.	10014.	17643.
	11229.	9877.								
1962	10121.	5790.	4486.	3786.	3000.	2800.	2457.	2000.	1857.	1500.
	1500.	1500.	1500.	1329.	1300.	1300.	1300.	1171.	1000.	1000.
	1000.	970.	930.	930.	930.	921.	940.	940.	1334.	1400.
	2686.	3200.	6299.	11550.	15486.	13386.	24471.	23000.	23000.	25000.
	25000.	26686.	30000.	31714.	20171.	18529.	17914.	26157.	23200.	12011.
	8539.	10793.								
1963	4174.	3514.	2243.	1786.	1486.	1400.	1271.	1100.	1100.	1100.
	1100.	1100.	1100.	1014.	1000.	1000.	1000.	919.	810.	810.
	810.	763.	700.	700.	700.	700.	650.	650.	650.	650.
	879.	2579.	6600.	13800.	15143.	11773.	12329.	17614.	14057.	19243.
	25343.	23457.	16857.	13757.	7903.	11743.	15404.	11074.	8980.	7449.
	5524.	7756.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 9 (Continued)

FILLED WEEKLY FLOWS^{1/} FOR SKWENTNA RIVER NEAR SKWENTNA

1964	6961.	6884.	5506.	3286.	2266.	2000.	1614.	1100.	1026.	840.
	840.	840.	840.	951.	970.	970.	970.	876.	750.	750.
	750.	686.	600.	600.	600.	600.	720.	720.	926.	956.
	989.	1029.	1100.	2471.	10786.	30157.	27171.	26186.	24429.	15957.
	18243.	16843.	14114.	16386.	12371.	11714.	14043.	10769.	8276.	6200.
	5300.	5529.								
1965	4100.	6143.	3726.	4379.	2574.	1971.	1634.	1600.	1514.	1300.
	1300.	1300.	1300.	974.	920.	920.	920.	869.	800.	800.
	800.	774.	740.	740.	740.	740.	720.	720.	806.	820.
	1391.	1620.	5151.	7800.	11000.	15471.	16400.	14600.	21643.	18643.
	23929.	20514.	15057.	18071.	15914.	17457.	12193.	6956.	8121.	12057.
	12920.	22057.								
1966	7459.	4269.	3100.	2507.	1950.	1800.	1607.	1350.	1293.	1150.
	1150.	1150.	1150.	1107.	1100.	1100.	1100.	1100.	1100.	1100.
	1100.	1100.	1101.	1100.	1100.	1100.	1200.	1200.	1243.	1500.
	1929.	2586.	3800.	6071.	8469.	20243.	25214.	20400.	15457.	11863.
	11920.	14157.	18657.	13557.	27057.	13011.	17943.	13071.	8654.	9493.
	12586.	9574.								
1967	9809.	6753.	4746.	2500.	1686.	1400.	1400.	1400.	1257.	900.
	900.	900.	900.	746.	720.	720.	720.	690.	650.	650.
	650.	650.	650.	650.	650.	650.	780.	780.	780.	780.
	1080.	1200.	1543.	1886.	4314.	11066.	15757.	17143.	16029.	13629.
	16114.	15814.	14100.	14429.	16814.	20386.	13700.	11829.	13429.	9786.
	8429.	7429.								
1968	4829.	4567.	4387.	2343.	1900.	1686.	1543.	1443.	1329.	1271.
	1200.	1129.	1100.	957.	1014.	1000.	1000.	1000.	1000.	1000.
	1000.	979.	950.	950.	950.	950.	950.	950.	1100.	1814.
	3571.	7857.	13143.	19000.	22457.	19543.	25143.	21857.	16843.	18500.
	19143.	15243.	16871.	15129.	15300.	9837.	11439.	6304.	5150.	4949.
	2717.	2961.								
1969	3133.	2829.	1447.	814.	736.	700.	679.	650.	650.	650.
	643.	600.	600.	600.	600.	600.	600.	600.	600.	600.
	600.	600.	600.	614.	650.	650.	771.	1029.	1443.	2243.
	4043.	7836.	9296.	16714.	15857.	14857.	19729.	23486.	22000.	19271.
	15800.	11931.	9884.	9519.	12743.	6086.	4486.	4486.	4644.	4321.
	3736.	3750.								
1970	5466.	10314.	6440.	2119.	2894.	1746.	1243.	1029.	936.	871.
	843.	800.	800.	800.	786.	750.	750.	729.	700.	700.
	700.	679.	650.	650.	650.	650.	650.	650.	657.	821.
	1943.	4780.	12457.	17186.	20929.	23986.	23143.	20714.	23986.	25814.
	21214.	18714.	18786.	19100.	12886.	12357.	14029.	9647.	8757.	6374.
	6483.	5583.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 9 (Continued)

FILLED WEEKLY FLOWS^{1/} FOR SKWENTNA RIVER NEAR SKWENTNA

1971	3514.	3069.	2857.	2500.	2300.	2257.	2100.	1829.	1600.	1371.
	1214.	1100.	993.	921.	900.	867.	814.	786.	750.	736.
	700.	650.	636.	600.	600.	600.	600.	600.	600.	614.
	700.	979.	1957.	9029.	17971.	18443.	23329.	19129.	43929.	25514.
	26129.	19829.	14986.	13443.	21186.	17500.	13714.	10571.	9544.	5399.
	5247.	4056.								
1972	3257.	5090.	2500.	1843.	1514.	1400.	1329.	1271.	1200.	1171.
	1100.	1100.	1029.	1000.	1000.	1000.	979.	954.	914.	900.
	893.	850.	843.	800.	800.	786.	750.	750.	700.	721.
	1514.	6829.	6171.	8514.	18571.	10357.	18714.	16186.	14729.	18800.
	22314.	13757.	13671.	14500.	13171.	14614.	15586.	8601.	14189.	12044.
	6677.	5560.								
1973	3323.	2286.	8567.	4464.	3314.	2714.	2300.	1971.	1700.	1514.
	1343.	1229.	1129.	1029.	971.	900.	829.	800.	729.	700.
	664.	650.	607.	600.	600.	600.	614.	657.	729.	843.
	1171.	3953.	9716.	8140.	7574.	9179.	14471.	22414.	16929.	14771.
	14357.	11543.	14186.	13114.	10089.	6833.	12876.	8231.	6296.	6347.
	6720.	6091.								
1974	5599.	3680.	2971.	2486.	2114.	1886.	1686.	1543.	1400.	1400.
	1229.	1200.	1200.	1171.	1000.	1000.	986.	950.	929.	900.
	886.	850.	850.	800.	800.	779.	750.	750.	821.	1343.
	2857.	4500.	5626.	8091.	13814.	9586.	10017.	9283.	12486.	14543.
	9717.	10976.	11311.	11857.	10931.	12019.	8759.	10469.	12679.	11079.
	13357.	10951.								
1975	4621.	4664.	4140.	5127.	4007.	3200.	2057.	1486.	1171.	1000.
	914.	900.	829.	800.	800.	800.	800.	779.	750.	750.
	750.	750.	750.	750.	750.	750.	750.	750.	757.	800.
	886.	1557.	8200.	12271.	17114.	19086.	15471.	20657.	21443.	20157.
	25214.	19814.	15486.	13729.	12143.	14857.	9827.	8140.	7129.	8089.
	11140.	8917.								
1976	5467.	5510.	5233.	3450.	2657.	2200.	1914.	1714.	1543.	1400.
	1257.	1200.	1171.	1000.	1000.	1000.	929.	900.	900.	900.
	900.	857.	800.	800.	800.	800.	800.	857.	1043.	1743.
	7429.	9786.	8286.	8429.	8714.	12429.	19286.	14286.	16143.	14286.
	15286.	15571.	14129.	15114.	13086.	10199.	9769.	7230.	5141.	4939.
	11986.	12146.								
1977	7773.	5644.	6480.	5829.	3686.	3057.	2800.	2657.	2600.	2800.
	2829.	2900.	3000.	3086.	2986.	2857.	2657.	2357.	2043.	1814.
	1629.	1400.	1257.	1200.	1186.	1100.	1100.	1114.	1200.	1314.
	1743.	3914.	7871.	11371.	23829.	41886.	41829.	31229.	33343.	28214.
	25943.	25457.	21871.	21500.	23900.	23671.	20200.	11821.	10033.	11120.
	10211.	11354.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 9 (Continued)

FILLED WEEKLY FLOWS^{1/} FOR SKWENTNA RIVER NEAR SKWENTNA

1978	6979.	7729.	5647.	3914.	3114.	2614.	2314.	2143.	1929.	1743.
	1557.	1429.	1400.	1329.	1257.	1200.	1157.	1057.	997.	936.
	900.	900.	879.	850.	814.	797.	774.	774.	880.	1343.
	3414.	9857.	10593.	9616.	10119.	11900.	16686.	13071.	14557.	19157.
	19486.	18157.	15729.	19286.	18114.	13500.	10423.	8350.	7810.	9781.
1979	7220.	6050.								
	3880.	6523.	5783.	4041.	3250.	2180.	1100.	1000.	1286.	1757.
	1671.	1514.	1343.	1243.	1200.	1171.	1100.	1100.	1100.	1000.
	1000.	1000.	1000.	980.	977.	960.	963.	1040.	1300.	2386.
	5429.	10160.	11057.	12686.	18486.	16486.	15143.	13743.	13829.	16986.
1980	14800.	16643.	15771.	14543.	16971.	23957.	13529.	9531.	5400.	6649.
	8330.	10683.								
	6657.	13196.	6357.	3881.	4644.	6443.	4396.	2643.	2671.	2429.
	2229.	2114.	2014.	1943.	1871.	1771.	1671.	1600.	1743.	1643.
	1557.	1457.	1400.	1329.	1300.	1357.	1457.	1564.	1829.	2557.
1981	4659.	9609.	11657.	13557.	19600.	24971.	24386.	23557.	27657.	27014.
	33271.	29071.	28543.	17971.	17114.	14857.	11914.	9764.	7813.	8543.
	9661.	10371.								
	7203.	6629.	4964.	4357.	3857.	3186.	2471.	2200.	2143.	1857.
	1529.	1264.	1150.	1150.	1150.	1193.	1293.	1500.	1486.	1186.
1982	1150.	1043.	949.	900.	900.	921.	1236.	1564.	1993.	2800.
	9000.	22429.	25857.	23214.	28986.	22714.	19686.	29586.	24900.	15914.
	21029.	26000.	23514.	20229.	24200.	18186.	11371.	8336.	10121.	7180.
	8127.	6340.								
	3896.	3733.	5200.	8429.	3286.	2729.	2314.	1857.	1657.	1571.
1983	1500.	1443.	1400.	1300.	1200.	1143.	1100.	1057.	1000.	1000.
	979.	921.	850.	793.	714.	700.	700.	694.	729.	879.
	1286.	3643.	7100.	6500.	6929.	14357.	15086.	15229.	21686.	12829.
	14186.	14229.	14086.	13800.	10857.	10900.	9456.	9244.	10890.	11717.
	27729.	13249.								
1983	7023.	5463.	4062.	3488.	3190.	2752.	1617.	1570.	1323.	1428.
	1761.	1720.	1930.	1662.	1453.	1287.	1202.	1222.	1231.	1305.
	1324.	1072.	1280.	997.	1042.	1065.	1406.	1395.	1582.	2523.
	3830.	3446.	3902.	9359.	16007.	17727.	21770.	30070.	24594.	19661.
	16987.	13302.	14015.	16112.	15066.	10514.	11722.	9694.	8203.	5290.
	4299.	7898.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 10

**Filled Weekly Flows for
Susitna River near Susitna Station**

TABLE 10

FILLED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT SUSITNA STATION

1950	12856.	5740.	4200.	3800.	3343.	2986.	2514.	2471.	1700.	1700.
	1586.	1314.	1129.	1014.	979.	986.	1100.	1100.	971.	686.
	629.	710.	711.	666.	720.	801.	774.	783.	849.	1009.
	2314.	8007.	13671.	14200.	17914.	17100.	16571.	26171.	19343.	19957.
	21229.	23214.	25243.	25100.	23129.	21157.	17443.	13171.	9263.	10500.
	7100.	7186.								
1951	5257.	4686.	4091.	2334.	1471.	1386.	1300.	1229.	1171.	1100.
	1100.	1100.	1100.	980.	960.	960.	960.	900.	820.	820.
	820.	786.	740.	740.	740.	740.	774.	997.	1529.	2657.
	6157.	17329.	19271.	9567.	16671.	29543.	21300.	13543.	19071.	20729.
	24343.	23286.	21414.	21429.	17614.	18714.	18314.	25600.	30057.	18671.
	19286.	18657.								
1952	9229.	6171.	4486.	3486.	3500.	3204.	2369.	2343.	2186.	1900.
	1900.	1900.	1900.	1643.	1600.	1600.	1600.	1343.	1000.	1000.
	1000.	949.	880.	880.	880.	880.	920.	920.	920.	920.
	1191.	1514.	2071.	4486.	21929.	24814.	35143.	38114.	33729.	27629.
	19629.	25086.	27186.	37243.	25071.	19686.	14943.	17329.	18886.	12771.
	11029.	15086.								
1953	11143.	10390.	7233.	5271.	5000.	4257.	2729.	3343.	2429.	1700.
	1700.	1700.	1700.	1186.	1100.	1100.	1100.	980.	820.	820.
	820.	820.	820.	820.	820.	820.	930.	930.	1504.	2500.
	14129.	16814.	15300.	26386.	20743.	35114.	27114.	22071.	25829.	20229.
	18271.	19871.	20657.	25643.	21857.	17514.	18029.	21500.	18786.	17114.
	14271.	12426.								
1954	8119.	6733.	4940.	3937.	2401.	2271.	2100.	1957.	1786.	1500.
	1500.	1500.	1500.	1329.	1300.	1300.	1300.	1171.	1000.	1000.
	1000.	906.	780.	780.	780.	780.	870.	870.	1496.	1600.
	6743.	12286.	19900.	22814.	21571.	25457.	24457.	23457.	28514.	24486.
	19529.	19000.	19000.	31143.	24000.	24000.	24000.	23000.	16286.	14000.
	13057.	9581.								
1955	6500.	6109.	4600.	4600.	3686.	3000.	2829.	2500.	2414.	2200.
	2157.	1900.	1900.	1986.	2000.	1714.	1600.	1514.	1400.	1400.
	1400.	1271.	1100.	1100.	1100.	1100.	1200.	1200.	1200.	1200.
	3557.	4500.	5257.	15743.	17429.	20329.	33143.	35957.	33671.	34186.
	28557.	22043.	26357.	22614.	20900.	21443.	26071.	37243.	19671.	15029.
	12214.	10993.								
1956	7236.	5327.	4339.	3737.	2486.	2100.	1929.	1700.	1586.	1300.
	1300.	1300.	1300.	1026.	980.	980.	980.	976.	970.	970.
	970.	957.	940.	940.	940.	940.	950.	950.	950.	950.
	2514.	11400.	16271.	32371.	21686.	33457.	43543.	31971.	28186.	29057.
	31686.	32000.	31229.	31429.	28771.	26000.	20729.	17714.	16000.	22429.
	21857.	16000.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 10 (Continued)

FILLED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT SUSITNA STATION

1957	7200.	7200.	4886.	4500.	3757.	3200.	3071.	2900.	2757.	2400.
	2329.	1900.	1900.	1729.	1700.	1700.	1700.	1614.	1500.	1500.
	1500.	1371.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.
	3414.	5757.	9400.	21057.	30914.	37443.	33086.	29357.	20100.	23214.
	21329.	23914.	25943.	20957.	20943.	20829.	19100.	21143.	18914.	20643.
	20071.	22029.								
1958	10333.	8864.	7230.	7454.	5429.	4521.	3870.	3181.	3586.	4314.
	3680.	2744.	2229.	2429.	2129.	1857.	1757.	1457.	1443.	1300.
	1200.	1200.	1200.	1171.	1100.	1100.	1200.	1343.	1457.	1766.
	3990.	7883.	11014.	20971.	22057.	28000.	28000.	24143.	22000.	22000.
	22000.	22000.	21571.	38686.	27529.	20443.	16571.	11557.	8500.	8500.
	6600.	7543.								
1959	5991.	5271.	5043.	3500.	2986.	2600.	2214.	1700.	1529.	1100.
	1214.	1900.	1900.	1557.	1500.	1429.	1400.	1400.	1400.	1343.
	1200.	1106.	980.	980.	980.	980.	1000.	1000.	1429.	1500.
	2857.	4543.	19400.	27486.	22329.	26029.	19443.	23171.	25929.	26400.
	25343.	27457.	21686.	23886.	18629.	23914.	44171.	43171.	28700.	14829.
	11137.	12007.								
1960	10714.	7400.	4071.	5086.	3486.	3000.	2871.	2700.	2557.	2200.
	2200.	2200.	2200.	2029.	2000.	1786.	1700.	1614.	1500.	1471.
	1400.	1357.	1300.	1243.	1100.	1100.	1100.	1100.	1443.	1500.
	5857.	7600.	14686.	22857.	24286.	14357.	14886.	15414.	16943.	22929.
	17000.	19557.	26814.	32043.	25429.	22471.	21714.	20857.	18314.	28943.
	20514.	17557.								
1961	12529.	9100.	6471.	4714.	3586.	3300.	3043.	2700.	2757.	2900.
	2843.	2500.	2500.	2414.	2400.	2471.	2500.	2200.	1800.	1771.
	1700.	1614.	1500.	1671.	2100.	2100.	2500.	2500.	2757.	2800.
	7229.	12714.	22000.	20957.	19814.	18971.	30986.	38714.	32529.	23000.
	24143.	25000.	25900.	25643.	26000.	22200.	21071.	15657.	12429.	14100.
	13429.	15457.								
1962	10429.	4600.	4600.	4600.	3514.	2700.	2700.	2700.	2529.	2100.
	2100.	2100.	2100.	1929.	1900.	1900.	1900.	1729.	1500.	1500.
	1500.	1457.	1400.	1400.	1400.	1400.	1700.	1700.	1700.	1700.
	3700.	4500.	12214.	18000.	28471.	30286.	58743.	50229.	35557.	27186.
	26543.	23129.	27186.	26057.	23000.	23000.	23000.	23429.	23571.	14886.
	12057.	13871.								
1963	9150.	6967.	6071.	5486.	3700.	2800.	2800.	2800.	2571.	2000.
	2000.	2000.	2000.	1657.	1600.	1600.	1600.	1557.	1500.	1500.
	1500.	1286.	1000.	1000.	1000.	1000.	830.	830.	830.	830.
	2666.	3400.	19171.	31000.	35686.	26000.	26000.	26000.	26000.	31143.
	40257.	38143.	32571.	27800.	25143.	21814.	23071.	19543.	15143.	13543.
	10829.	10979.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 10 (Continued)

FILLED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT SUSITNA STATION

1964	8897.	7491.	6129.	4643.	2886.	2600.	2300.	1900.	1843.	1700.
	1643.	1300.	1300.	1129.	1100.	1029.	1000.	1000.	1000.	980.
	930.	861.	770.	739.	660.	660.	710.	710.	770.	780.
	866.	1043.	1400.	3099.	28990.	75029.	51529.	43000.	31100.	25371.
	26143.	24671.	16929.	19757.	18729.	15100.	16100.	13600.	11354.	9253.
	9304.	9106.								
1965	7677.	8591.	5623.	4473.	3080.	2836.	2807.	3129.	2033.	1370.
	1221.	1110.	1110.	981.	960.	960.	960.	917.	860.	860.
	860.	877.	900.	900.	900.	900.	1180.	1180.	1489.	1540.
	2011.	5386.	9371.	16886.	33643.	21971.	23471.	22429.	33014.	30357.
	30614.	28514.	24729.	22229.	19671.	30386.	20371.	11343.	16849.	20700.
	18943.	25043.								
1966	15086.	8387.	3929.	3250.	2764.	2264.	2000.	1907.	1829.	1714.
	1657.	1590.	1530.	1419.	1400.	1400.	1400.	1357.	1300.	1300.
	1300.	1300.	1300.	1300.	1300.	1300.	1500.	1500.	1971.	2050.
	3014.	3886.	7200.	13800.	21657.	47686.	34129.	28829.	24329.	18643.
	17757.	18586.	21029.	28014.	22914.	18843.	22829.	18300.	12886.	12514.
	12371.	10314.								
1967	6990.	4687.	3544.	2400.	1729.	1600.	1600.	1600.	1571.	1500.
	1500.	1500.	1500.	1500.	1500.	1500.	1500.	1457.	1400.	1400.
	1400.	1314.	1200.	1200.	1200.	1200.	1100.	1100.	1129.	1300.
	1743.	4929.	17143.	23986.	28829.	26571.	34814.	29014.	28386.	21557.
	21471.	29857.	34800.	27100.	25043.	54871.	30600.	20614.	29071.	17157.
	12471.	10831.								
1968	6851.	5703.	4460.	3400.	2857.	2429.	2300.	2214.	2171.	2100.
	2100.	2014.	2000.	2000.	2000.	2000.	1971.	1900.	1900.	1900.
	1900.	1900.	1900.	1900.	1900.	1900.	1871.	1800.	1886.	2014.
	2243.	2943.	13086.	33843.	27543.	26457.	36829.	37343.	27186.	29429.
	26786.	25857.	24986.	22214.	20143.	16757.	15143.	13429.	11271.	11291.
	7210.	6309.								
1969	5061.	4370.	3366.	2987.	2543.	1971.	1500.	1314.	1086.	950.
	900.	850.	807.	771.	750.	700.	700.	700.	700.	714.
	750.	750.	779.	800.	843.	871.	957.	1129.	1471.	2086.
	3400.	6013.	11434.	20057.	12069.	12800.	16314.	17871.	16229.	13929.
	17629.	18114.	15143.	13386.	14286.	7399.	6001.	5593.	6303.	5511.
	4726.	4536.								
1970	3940.	3709.	3249.	2193.	1714.	1429.	1129.	1000.	936.	900.
	857.	850.	850.	850.	850.	814.	800.	800.	800.	750.
	750.	750.	750.	764.	800.	800.	850.	936.	1071.	1300.
	1943.	4614.	16343.	14757.	18129.	16971.	16371.	15500.	26100.	25029.
	21000.	22500.	21514.	26429.	22871.	17671.	19971.	13786.	11897.	9466.
	9643.	6143.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 10 (Continued)

FILLED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT SUSITNA STATION

1971	7017.	5857.	4771.	4057.	4000.	3800.	3457.	3057.	2743.	2571.
	2400.	2200.	1971.	1743.	1557.	1414.	1243.	1157.	1100.	1000.
	1000.	979.	950.	950.	950.	950.	964.	1000.	1086.	1214.
	1457.	1900.	2800.	4943.	8714.	22857.	47186.	28657.	39586.	24471.
	24900.	28700.	18671.	24357.	44743.	40000.	24529.	19471.	22857.	14586.
	11029.	10939.								
1972	7744.	6939.	5267.	4343.	3600.	3257.	3086.	2914.	2771.	2600.
	2600.	2400.	2400.	2400.	2200.	2200.	2200.	2200.	2086.	2000.
	2000.	1914.	1886.	1800.	1800.	1771.	1700.	1700.	1629.	1700.
	3386.	19571.	19286.	26886.	44243.	24471.	43457.	38057.	25729.	25371.
	25357.	22600.	18429.	20243.	21729.	19929.	20600.	13786.	13186.	18029.
	13286.	6857.								
1973	4786.	4429.	6143.	4557.	3114.	2543.	2171.	2000.	1743.	1600.
	1429.	1400.	1400.	1229.	1200.	1200.	1200.	1200.	1200.	1200.
	1200.	1114.	1000.	1000.	1000.	1000.	1000.	1000.	1000.	1057.
	1400.	2686.	9200.	12671.	15714.	20214.	33700.	36443.	23943.	21057.
	20129.	15229.	16429.	17657.	21029.	16757.	21800.	23171.	12814.	8942.
	7551.	7010.								
1974	5636.	4539.	3130.	2371.	1914.	1643.	1514.	1386.	1271.	1143.
	1029.	979.	950.	907.	900.	864.	850.	829.	800.	786.
	750.	750.	750.	736.	700.	700.	700.	729.	879.	1400.
	2571.	6586.	12286.	27429.	31357.	19557.	16700.	15614.	16671.	16943.
	21057.	19314.	18571.	17714.	18686.	15986.	12651.	17130.	16614.	9314.
	9413.	14154.								
1975	5503.	5469.	2914.	1943.	1700.	1700.	1700.	1700.	1686.	1600.
	1600.	1600.	1600.	1586.	1500.	1500.	1500.	1500.	1500.	1500.
	1443.	1400.	1400.	1400.	1400.	1400.	1400.	1414.	1543.	1829.
	2843.	6857.	15071.	23029.	30500.	36400.	27343.	34357.	30714.	27500.
	29900.	28343.	25929.	24200.	19486.	18614.	16429.	14157.	11743.	19886.
	18629.	17943.								
1976	10286.	9071.	8357.	4929.	3429.	2457.	1871.	1486.	1271.	1143.
	1100.	1057.	1000.	1000.	1000.	964.	950.	950.	950.	950.
	950.	929.	900.	900.	900.	900.	900.	943.	1171.	1957.
	4957.	13943.	13400.	14014.	16129.	27700.	29843.	21014.	20300.	19329.
	19286.	18386.	18857.	21714.	27714.	20571.	15800.	11183.	7729.	6330.
	6367.	7750.								
1977	4831.	3943.	3760.	3337.	2943.	2714.	2543.	2400.	2886.	2714.
	2457.	2257.	2086.	1957.	1900.	1800.	1757.	1700.	1629.	1600.
	1600.	1557.	1500.	1500.	1500.	1500.	1600.	1600.	1686.	1771.
	1971.	3457.	12514.	19200.	29200.	34957.	46300.	37943.	33857.	21714.
	24143.	25514.	21229.	22286.	21329.	19514.	19729.	12514.	10363.	14671.
	14071.	13534.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 10 (Continued)

FILLED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT SUSITNA STATION

1978	8829.	8957.	7871.	5871.	4486.	3829.	3450.	3200.	2964.	2757.
	2636.	2557.	2364.	2236.	2107.	2000.	1921.	1807.	1700.	1650.
	1650.	1600.	1600.	1600.	1600.	1621.	1650.	1650.	1650.	1743.
	3643.	12557.	17143.	11600.	12371.	15386.	21371.	18286.	22786.	22314.
	20729.	20957.	20557.	20214.	19114.	17771.	14829.	10686.	11214.	10109.
1979	7599.	6481.								
	5416.	6069.	4901.	3679.	3577.	3126.	2343.	2057.	1971.	1900.
	1729.	1557.	1500.	1457.	1400.	1400.	1400.	1300.	1300.	1300.
	1300.	1200.	1200.	1200.	1200.	1200.	1200.	1257.	1386.	1743.
	2743.	5143.	12000.	19143.	31671.	27486.	23071.	20829.	25771.	26371.
1980	26086.	31757.	32457.	26514.	24800.	20029.	17057.	15171.	9447.	9203.
	13543.	12254.								
	7890.	10014.	7034.	5197.	4871.	4424.	4929.	3529.	3357.	2743.
	2471.	2257.	2043.	1914.	1829.	1729.	1643.	1600.	1529.	1457.
	1400.	1400.	1400.	1400.	1400.	1400.	1400.	1400.	1471.	2000.
1981	4143.	9714.	13914.	12443.	19843.	32143.	25329.	32800.	28614.	31343.
	31800.	33557.	30143.	33014.	23200.	21929.	19886.	14457.	10570.	11304.
	19000.	14186.								
	9849.	8779.	7303.	6019.	4657.	4211.	3143.	3200.	3200.	2314.
	1786.	1679.	1614.	1671.	1829.	2129.	2300.	2329.	2414.	2014.
1982	1600.	1500.	1500.	1600.	1629.	1650.	1700.	1771.	1886.	2443.
	5623.	20400.	20486.	13500.	21943.	18629.	16914.	18200.	21257.	17829.
	42086.	41143.	36700.	38600.	36157.	46729.	37029.	24971.	17986.	14500.
	12100.	11256.								
	7641.	7200.	7399.	8581.	4612.	3943.	3857.	3243.	2828.	2529.
1983	2385.	2300.	2300.	2300.	2300.	2300.	2300.	2314.	2357.	1721.
	1250.	1100.	1100.	1100.	1164.	1497.	1500.	1500.	1657.	2200.
	3386.	8100.	15000.	20143.	22714.	26143.	21857.	28857.	28000.	19500.
	24114.	24514.	27500.	23657.	16629.	14471.	12629.	14014.	13486.	16886.
	26557.	16729.								
1983	10429.	8201.	6669.	3914.	2971.	2786.	2643.	2471.	2400.	2300.
	2300.	2300.	2443.	2771.	2400.	2429.	2000.	1957.	1900.	2043.
	2086.	1957.	1814.	1700.	1643.	1514.	1500.	1529.	1786.	2414.
	4600.	11086.	19143.	17000.	24143.	27343.	19586.	23886.	23671.	25371.
	21857.	18243.	19714.	21014.	26586.	25414.	21757.	26671.	18957.	12586.
	10334.	11878.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 11

**Computed Weekly Flows for
Susitna River at Sunshine**

TABLE 11

COMPUTED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT SUNSHINE

1950	25443.	13566.	9936.	8355.	7492.	6595.	5478.	5183.	3861.	3940.
	4141.	3549.	3243.	3139.	2796.	2720.	2738.	2682.	2552.	1993.
	1861.	1848.	1724.	1548.	1668.	1899.	1901.	1942.	2109.	2474.
	4880.	16341.	31472.	31561.	42601.	39765.	43984.	65395.	50259.	53162.
	58856.	63477.	70956.	66774.	57735.	55163.	49125.	40548.	31832.	41231.
	32747.	27136.								
1951	17177.	14159.	11006.	7079.	5194.	4232.	3862.	3826.	3805.	3604.
	3390.	3113.	3054.	3185.	3053.	3289.	3353.	3084.	2955.	2755.
	2706.	2304.	2067.	2037.	2047.	2043.	2019.	2456.	3661.	5807.
	11605.	29453.	31619.	20670.	33347.	56558.	57725.	39376.	50229.	56252.
	67629.	65919.	57570.	55764.	51646.	45836.	40515.	53692.	59465.	37827.
	35510.	36824.								
1952	20305.	14637.	10937.	9606.	9849.	8386.	6569.	6138.	5588.	5231.
	5416.	5343.	5096.	4347.	4022.	4015.	3912.	3390.	2536.	2488.
	2309.	2238.	2260.	2306.	2417.	2594.	2645.	2436.	2473.	2940.
	3908.	5301.	7870.	13448.	54536.	64522.	89263.	85740.	83180.	73837.
	60181.	72666.	71262.	88726.	66940.	54633.	42482.	44512.	45732.	34331.
	27830.	45344.								
1953	29969.	27812.	18379.	11761.	10163.	8499.	6422.	7284.	5694.	4032.
	4039.	4113.	4065.	3341.	3090.	3012.	2867.	2613.	2308.	2306.
	2244.	2187.	2223.	2162.	2188.	2196.	2326.	2572.	3894.	6227.
	23819.	34890.	33229.	60778.	50770.	73245.	66876.	56154.	62575.	51400.
	48805.	50817.	52187.	59958.	53155.	42612.	45613.	49154.	50992.	45939.
	34251.	28171.								
1954	17168.	14581.	11221.	8475.	5119.	5012.	5065.	4797.	4217.	3803.
	3843.	3864.	3576.	3276.	3212.	3241.	3123.	2935.	2656.	2677.
	2526.	2484.	2266.	2259.	2171.	2143.	2249.	2146.	3068.	3127.
	11189.	18368.	34888.	37389.	39503.	48924.	54899.	57570.	64429.	57641.
	53541.	50558.	50722.	77526.	66404.	67140.	62214.	54533.	36463.	33742.
	31890.	23463.								
1955	14415.	13371.	11500.	10838.	9461.	7491.	6510.	5999.	5518.	4869.
	4834.	4555.	4425.	4688.	4493.	3845.	3688.	3269.	2961.	2847.
	2810.	2600.	2385.	2515.	2497.	2703.	3020.	2956.	2988.	3061.
	6978.	10133.	11551.	28802.	31442.	42692.	67856.	71981.	75069.	79208.
	79411.	71137.	68586.	61054.	57583.	53619.	52704.	64547.	45310.	44049.
	34541.	35544.								
1956	20668.	15730.	11828.	9421.	6187.	4841.	4936.	4761.	4486.	3629.
	3648.	3695.	3907.	3294.	3037.	2844.	2783.	2705.	2572.	2736.
	2550.	2605.	2569.	2587.	2540.	2530.	2449.	2405.	2510.	2336.
	5266.	21107.	28155.	53302.	46596.	70346.	93245.	73775.	68116.	64438.
	72291.	76125.	74569.	70713.	62095.	53762.	44261.	37631.	37748.	47085.
	51719.	39838.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 11 (Continued)

COMPUTED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT SUNSHINE

1957	17262.	15437.	10377.	9327.	8482.	7096.	6443.	5983.	5686.	4873.
	4965.	4637.	4739.	4239.	4378.	4300.	4294.	3976.	3578.	3351.
	3353.	3266.	3099.	3089.	3087.	3093.	2994.	2843.	3013.	3118.
	7285.	13024.	17909.	36791.	61104.	72993.	71225.	70391.	55057.	60841.
	61351.	64597.	64000.	56195.	55688.	61697.	53405.	45599.	35339.	37400.
	34408.	39522.								
1958	21101.	17052.	13585.	13876.	10793.	10335.	8497.	7132.	7668.	8147.
	7112.	5822.	5018.	4930.	4444.	3861.	3739.	3363.	3245.	3032.
	3070.	3242.	3386.	3470.	3241.	3086.	3335.	3455.	4348.	5664.
	12052.	31445.	45444.	63572.	58652.	62743.	72743.	59986.	60064.	57164.
	54094.	57419.	61736.	94235.	78513.	74287.	53006.	39595.	27467.	31858.
	25497.	29445.								
1959	20071.	16994.	14250.	9792.	7710.	7039.	6007.	4625.	4186.	3159.
	3073.	4220.	4143.	3739.	3695.	3457.	3484.	3458.	3355.	2994.
	2834.	2693.	2476.	2545.	2692.	2742.	2798.	2908.	3889.	4892.
	7473.	13268.	43457.	49891.	44598.	50295.	39637.	51160.	63889.	60624.
	59914.	65486.	56443.	59048.	51234.	64813.	110999.	87636.	57222.	34460.
	23992.	23025.								
1960	23231.	16861.	9958.	11305.	8602.	7091.	6624.	6153.	5993.	5041.
	5038.	4884.	4847.	4192.	4408.	4021.	3819.	3598.	3383.	3277.
	3019.	2947.	2926.	2771.	2547.	2550.	2493.	2490.	3033.	3165.
	9834.	16856.	30515.	51986.	58311.	35099.	37580.	41703.	46768.	57159.
	45874.	50165.	67050.	77476.	68861.	58652.	50617.	43507.	32419.	56536.
	42558.	40220.								
1961	27277.	19379.	14352.	10553.	7723.	7194.	6725.	5801.	5867.	6177.
	6017.	5390.	5483.	5124.	4886.	5024.	5072.	4480.	3725.	3658.
	3592.	3469.	3177.	3406.	4001.	3900.	4723.	4855.	5251.	5571.
	11524.	23950.	39710.	38483.	38787.	38325.	63917.	76213.	68496.	57882.
	56695.	61448.	69583.	66684.	70624.	53452.	59133.	39921.	33492.	42348.
	33105.	35882.								
1962	25987.	13080.	12204.	11372.	8964.	7352.	6812.	6311.	5874.	4869.
	4836.	4817.	4810.	4293.	4155.	4159.	4172.	3758.	3292.	3223.
	3227.	3084.	2992.	2939.	2898.	2918.	3293.	3350.	3822.	3948.
	7535.	9228.	21998.	36813.	57048.	54598.	100907.	92899.	75088.	64799.
	64736.	62685.	72878.	72970.	55634.	51364.	49261.	56707.	53471.	30962.
	24002.	28609.								
1963	18542.	13624.	11294.	9763.	7033.	5800.	5593.	5377.	5286.	4735.
	4649.	4821.	4644.	4181.	4018.	3970.	3916.	3627.	3396.	3383.
	3363.	2955.	2358.	2319.	2172.	2236.	2002.	2006.	2056.	2030.
	5162.	6648.	34537.	56583.	73863.	51721.	50320.	51709.	58642.	73962.
	94118.	93556.	71752.	59421.	51527.	49426.	52148.	44959.	34182.	29882.
	23637.	25728.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 11 (Continued)

COMPUTED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT SUNSHINE

1964	22623.	19739.	16110.	10918.	7955.	6917.	5753.	4331.	4157.	3525.
	3449.	3031.	3031.	2936.	2925.	2694.	2580.	2496.	2419.	2387.
	2311.	2179.	2008.	1990.	1899.	1903.	2121.	2374.	2567.	2740.
	3135.	3938.	5265.	10766.	62954.	159391.	121320.	108536.	90560.	63985.
	70008.	68485.	49808.	57704.	48200.	44736.	46976.	35440.	28569.	22262.
	21446.	22168.								
1965	17910.	22910.	13289.	10873.	8339.	7781.	7610.	7836.	6333.	4725.
	4571.	4456.	4456.	3542.	3391.	3391.	3391.	3213.	2978.	2978.
	2978.	2916.	2833.	2833.	2833.	2833.	3267.	3267.	3587.	3639.
	5293.	9335.	20057.	34217.	62024.	48845.	53801.	59666.	69345.	63857.
	73304.	69019.	59113.	58821.	55048.	81679.	53261.	30322.	47226.	52901.
	48390.	79050.								
1966	33187.	23394.	11735.	9202.	7284.	5791.	5218.	4886.	4568.	4150.
	4036.	3912.	3794.	3519.	3453.	3421.	3388.	3258.	3082.	3026.
	2975.	2926.	2894.	2885.	2885.	2888.	3308.	3308.	3810.	3929.
	5661.	7364.	13743.	23295.	35651.	92830.	73419.	64856.	56973.	45860.
	51061.	54992.	62768.	76553.	62697.	54136.	69943.	49930.	33434.	32806.
	31378.	26252.								
1967	19226.	13446.	9958.	6558.	4904.	4424.	4291.	4187.	4068.	3929.
	3884.	3863.	3825.	3818.	3774.	3729.	3619.	3544.	3390.	3330.
	3220.	3116.	2892.	2798.	2747.	2715.	2530.	2502.	2532.	2866.
	4600.	13174.	37642.	49382.	58062.	53555.	69789.	69404.	76686.	65240.
	62004.	96138.	90481.	71299.	63591.	134156.	82846.	53088.	60005.	52333.
	29173.	24348.								
1968	15186.	12355.	9763.	7519.	6387.	5702.	5405.	5140.	4926.	4793.
	4653.	4514.	4369.	4339.	4282.	4183.	4129.	4035.	4023.	4012.
	3991.	3991.	3976.	3940.	3867.	3867.	3922.	3940.	4312.	4970.
	6403.	9989.	29937.	71163.	66407.	64885.	92372.	88636.	67323.	75860.
	74899.	63970.	70111.	56424.	56206.	46980.	43272.	34676.	27331.	26008.
	17424.	15099.								
1969	11338.	9770.	7645.	6914.	5716.	4623.	3892.	3537.	3132.	2843.
	2717.	2585.	2473.	2345.	2296.	2182.	2161.	2130.	2088.	2082.
	2108.	2077.	2077.	2084.	2092.	2121.	2276.	2568.	3330.	4869.
	7525.	12463.	20021.	38337.	26353.	28300.	41006.	49429.	48172.	45426.
	51040.	46444.	41005.	38199.	38765.	20168.	16366.	16328.	18120.	15459.
	12986.	12475.								
1970	11740.	11348.	9474.	6758.	5790.	4595.	3744.	3375.	3087.	2939.
	2850.	2829.	2792.	2695.	2636.	2599.	2579.	2564.	2550.	2462.
	2377.	2368.	2368.	2382.	2419.	2419.	2501.	2719.	3124.	3870.
	5620.	12391.	31697.	34699.	42949.	39107.	51237.	42523.	60532.	60992.
	56330.	62455.	60586.	72477.	63724.	48233.	55810.	40138.	36036.	31765.
	26447.	17198.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 11 (Continued)

COMPUTED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT SUNSHINE

1971	16190.	13622.	11284.	9541.	9275.	8669.	7385.	6557.	5894.	5450.
	5111.	4800.	4401.	3981.	3626.	3279.	2932.	2725.	2619.	2498.
	2474.	2408.	2378.	2364.	2326.	2380.	2428.	2486.	2667.	2888.
	3581.	5450.	8499.	14261.	23880.	51272.	94115.	70113.	105724.	67869.
	73570.	75208.	48933.	58933.	111293.	88576.	56895.	44989.	50071.	34650.
	25264.	23696.								
1972	16986.	19300.	13377.	10265.	8478.	7414.	6736.	6144.	5664.	5258.
	5073.	4741.	4615.	4556.	4291.	4269.	4136.	4136.	3981.	3789.
	3722.	3589.	3494.	3349.	3267.	3207.	3094.	3085.	3083.	3367.
	6890.	31208.	30604.	43564.	77716.	49249.	77141.	76258.	57752.	64368.
	73525.	58894.	55743.	58593.	56133.	52417.	54877.	35655.	38121.	51237.
	32120.	21045.								
1973	15112.	12043.	16499.	12065.	8322.	6791.	5982.	5255.	4896.	4783.
	4349.	4401.	4065.	3543.	3361.	3306.	3209.	3252.	3161.	3090.
	3057.	2855.	2601.	2616.	2488.	2427.	2301.	2476.	2524.	2995.
	4201.	8627.	28303.	32643.	35916.	45603.	74713.	82150.	61144.	54091.
	55013.	42076.	44824.	44994.	51591.	37825.	59742.	54057.	34150.	24306.
	17546.	13608.								
1974	12505.	9102.	6700.	5814.	4871.	4308.	4153.	3868.	3805.	3452.
	3182.	2895.	2896.	2723.	2672.	2599.	2541.	2519.	2542.	2502.
	2463.	2405.	2389.	2290.	2184.	2162.	2132.	2170.	2399.	3372.
	5845.	13273.	21516.	44503.	57360.	39156.	39336.	40758.	48381.	48939.
	55012.	53978.	51181.	47619.	50529.	44633.	33265.	49049.	42016.	24362.
	21924.	30550.								
1975	14144.	12886.	7589.	6290.	5445.	4691.	4373.	4145.	4260.	3996.
	3934.	3994.	3979.	3856.	3641.	3441.	3347.	3443.	3294.	3081.
	3012.	2998.	2856.	2902.	2928.	2845.	2916.	2927.	3038.	3601.
	5316.	10149.	27584.	42834.	63847.	71819.	60748.	74235.	72396.	69072.
	80847.	74257.	59965.	58069.	70989.	51926.	40080.	35119.	31860.	44500.
	41632.	36349.								
1976	21330.	19074.	15485.	9434.	6982.	5183.	4405.	3709.	3496.	3196.
	3096.	2946.	2893.	2848.	2806.	2677.	2688.	2667.	2682.	2967.
	2845.	2828.	2773.	2553.	2544.	2561.	2531.	2730.	3541.	5010.
	12263.	34395.	29057.	31116.	38560.	65694.	78734.	55537.	60624.	56025.
	60466.	62810.	58821.	59378.	63217.	56781.	62128.	34680.	23750.	20236.
	21055.	23935.								
1977	15213.	12668.	10437.	9972.	8122.	7087.	6333.	5823.	6915.	6246.
	5349.	5131.	4920.	4696.	4389.	4067.	3959.	3646.	3518.	3361.
	3475.	3358.	3276.	3219.	3172.	3170.	3426.	3295.	3376.	3489.
	4320.	7537.	21572.	34865.	61347.	87107.	111840.	92399.	89321.	61670.
	67293.	76319.	63978.	62349.	61984.	61972.	67468.	38423.	32239.	37610.
	36740.	35613.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 11 (Continued)

COMPUTED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT SUNSHINE

1978	21436.	20366.	16959.	12879.	10596.	8376.	7179.	6531.	6198.	5791.
	5579.	5376.	5270.	5201.	4739.	4585.	4296.	4039.	3719.	3532.
	3395.	3221.	3216.	3175.	3063.	3200.	3452.	3377.	3503.	3989.
	6769.	20739.	28688.	22552.	25198.	36637.	52575.	45217.	54310.	60360.
	57994.	62681.	63169.	62771.	58740.	53824.	41760.	31138.	35008.	28967.
	21936.	17876.								
1979	13298.	12587.	10669.	8195.	7956.	7355.	5911.	5374.	5222.	5054.
	4810.	4395.	4262.	3911.	4000.	3782.	3710.	3405.	3325.	3158.
	3192.	3072.	2899.	2964.	2885.	2951.	2983.	3119.	3351.	4948.
	8793.	18449.	31505.	42264.	69722.	59100.	53485.	50688.	64893.	68273.
	71248.	93255.	83639.	75231.	67342.	61788.	50656.	38018.	22286.	22524.
	27205.	26030.								
1980	18773.	22775.	14605.	11352.	10306.	9631.	10190.	6813.	6890.	5471.
	4931.	4784.	4435.	4168.	4095.	3915.	3796.	3660.	3597.	3421.
	3344.	3401.	3269.	3230.	3097.	3193.	3207.	3362.	3569.	5062.
	8985.	15510.	21319.	22436.	37557.	57698.	52364.	64839.	68573.	69152.
	76877.	76930.	74906.	71178.	50916.	44331.	41509.	31392.	24977.	26452.
	41331.	30314.								
1981	21247.	18703.	15614.	12936.	10415.	9464.	7562.	7405.	7113.	5740.
	4662.	4300.	4085.	4133.	4272.	4538.	4707.	4621.	4599.	4078.
	3620.	3443.	3369.	3447.	3401.	3422.	3371.	3450.	3742.	5455.
	14600.	40714.	42857.	34114.	49114.	45257.	43229.	52300.	60214.	54143.
	115700.	97171.	87043.	92029.	82914.	103657.	77000.	60971.	44243.	33757.
	27857.	24857.								
1982	17214.	16000.	16214.	18571.	9929.	8414.	7271.	5771.	4914.	4429.
	4043.	3914.	3657.	3000.	3500.	3500.	3500.	3514.	3829.	3214.
	2814.	2700.	2700.	2700.	2800.	3386.	3357.	3300.	3514.	4529.
	6557.	15914.	31000.	35000.	46400.	65386.	55857.	63100.	69257.	51500.
	57886.	59386.	78257.	67214.	49800.	45043.	38500.	40171.	37829.	41971.
	76157.	46571.								
1983	26100.	19400.	14814.	12300.	10443.	9143.	8214.	7286.	6786.	6214.
	5929.	5500.	5729.	6514.	5443.	4843.	4671.	4600.	4514.	4943.
	4786.	4186.	3829.	3486.	3243.	3114.	3157.	3286.	3900.	5514.
	9829.	23214.	40200.	37000.	49700.	56386.	45271.	56800.	63300.	63443.
	58943.	47871.	48071.	52071.	75200.	64386.	49200.	53514.	45200.	27000.
	21571.	25057.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 12

**Computed Weekly Flows for
Susitna River at Watana Damsite**

TABLE 12

COMPUTED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT WATANA DAMSITE

1950	10810.	4827.	3532.	3195.	2811.	2511.	2114.	2078.	1430.	1430.
	1333.	1105.	949.	853.	823.	829.	925.	925.	817.	577.
	529.	597.	598.	560.	605.	674.	651.	658.	714.	848.
	1946.	6733.	11496.	11941.	15064.	14379.	13935.	22008.	16265.	16782.
	17851.	19521.	21227.	21107.	19449.	17791.	14668.	11076.	7789.	8830.
	5970.	6043.								
1951	4421.	3940.	3441.	1963.	1237.	1165.	1093.	1033.	985.	925.
	925.	925.	925.	824.	807.	807.	807.	757.	690.	690.
	690.	661.	622.	622.	622.	622.	651.	839.	1285.	2234.
	5178.	14572.	16205.	8045.	14019.	24843.	17911.	11388.	16037.	17431.
	20470.	19581.	18007.	18019.	14812.	15737.	15401.	21527.	25275.	15701.
	16217.	15689.								
1952	7760.	5190.	3772.	2931.	2943.	2695.	1992.	1970.	1838.	1598.
	1598.	1598.	1598.	1382.	1345.	1345.	1345.	1129.	841.	841.
	841.	798.	740.	740.	740.	740.	774.	774.	774.	774.
	1002.	1273.	1742.	3772.	18440.	20866.	29552.	32050.	28362.	23233.
	16506.	21095.	22861.	31318.	21083.	16554.	12566.	14572.	15881.	10740.
	9274.	12686.								
1953	9370.	8737.	6082.	4433.	4205.	3580.	2295.	2811.	2042.	1430.
	1430.	1430.	1430.	997.	925.	925.	925.	824.	690.	690.
	690.	690.	690.	690.	690.	690.	782.	782.	1265.	2102.
	11881.	14139.	12866.	22188.	17443.	29528.	22800.	18560.	21719.	17010.
	15364.	16710.	17371.	21563.	18380.	14728.	15160.	18079.	15797.	14391.
	12001.	10449.								
1954	6827.	5662.	4154.	3311.	2019.	1910.	1766.	1646.	1502.	1261.
	1261.	1261.	1261.	1117.	1093.	1093.	1093.	985.	841.	841.
	841.	762.	656.	656.	656.	656.	732.	732.	1258.	1345.
	5670.	10331.	16734.	19185.	18139.	21407.	20566.	19725.	23978.	20590.
	16422.	15977.	15977.	26188.	20182.	20182.	20182.	19341.	13695.	11773.
	10980.	8057.								
1955	5466.	5137.	3868.	3868.	3099.	2523.	2379.	2102.	2030.	1850.
	1814.	1598.	1598.	1670.	1682.	1442.	1345.	1273.	1177.	1177.
	1177.	1069.	925.	925.	925.	925.	1009.	1009.	1009.	1009.
	2991.	3784.	4421.	13238.	14656.	17094.	27870.	30236.	28314.	28747.
	24014.	18536.	22164.	19016.	17575.	18031.	21923.	31318.	16542.	12638.
	10271.	9244.								
1956	6085.	4480.	3648.	3143.	2090.	1766.	1622.	1430.	1333.	1093.
	1093.	1093.	1093.	863.	824.	824.	824.	821.	816.	816.
	816.	805.	790.	790.	790.	790.	799.	799.	799.	799.
	2114.	9586.	13683.	27221.	18236.	28134.	36615.	26885.	23701.	24434.
	26645.	26909.	26260.	26428.	24194.	21863.	17431.	14896.	13454.	18860.
	18380.	13454.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 12 (Continued)

COMPUTED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT WATANA DAMSITE

1957	6055.	6055.	4108.	3784.	3159.	2691.	2583.	2439.	2318.	2018.
	1958.	1598.	1598.	1454.	1430.	1430.	1430.	1358.	1261.	1261.
	1261.	1153.	1009.	1009.	1009.	1009.	1009.	1009.	1009.	1009.
	2871.	4841.	7905.	17707.	25996.	31486.	27822.	24686.	16902.	19521.
	17935.	20110.	21815.	17623.	17611.	17515.	16061.	17779.	15905.	17359.
	16878.	18524.								
1958	8689.	7454.	6080.	6268.	4565.	3802.	3254.	2675.	3015.	3628.
	3095.	2308.	1874.	2042.	1790.	1562.	1478.	1225.	1213.	1093.
	1009.	1009.	1009.	985.	925.	925.	1009.	1129.	1225.	1485.
	3355.	6629.	9262.	17635.	18548.	23545.	23545.	20302.	18500.	18500.
	18500.	18500.	18139.	32531.	23149.	17190.	13935.	9718.	7148.	7148.
	5550.	6343.								
1959	5038.	4433.	4241.	2943.	2511.	2186.	1862.	1430.	1285.	925.
	1021.	1598.	1598.	1309.	1261.	1201.	1177.	1177.	1177.	1129.
	1009.	930.	824.	824.	824.	824.	841.	841.	1201.	1261.
	2403.	3820.	16314.	23113.	18776.	21887.	16350.	19485.	21803.	22200.
	21311.	23089.	18236.	20086.	15665.	20110.	37144.	36303.	24134.	12469.
	9365.	10097.								
1960	9010.	6223.	3424.	4277.	2931.	2523.	2415.	2270.	2150.	1850.
	1850.	1850.	1850.	1706.	1682.	1502.	1430.	1358.	1261.	1237.
	1177.	1141.	1093.	1045.	925.	925.	925.	925.	1213.	1261.
	4925.	6391.	12349.	19221.	20422.	12073.	12517.	12962.	14247.	19281.
	14295.	16446.	22548.	26945.	21383.	18896.	18260.	17539.	15401.	24338.
	17251.	14764.								
1961	10535.	7652.	5442.	3964.	3015.	2775.	2559.	2270.	2318.	2439.
	2391.	2102.	2102.	2030.	2018.	2078.	2102.	1850.	1514.	1490.
	1430.	1358.	1261.	1406.	1766.	1766.	2102.	2102.	2318.	2355.
	6079.	10692.	18500.	17623.	16662.	15953.	26056.	32555.	27353.	19341.
	20302.	21023.	21779.	21563.	21863.	18668.	17719.	13166.	10451.	11857.
	11292.	12998.								
1962	8769.	3868.	3868.	3868.	2955.	2270.	2270.	2270.	2126.	1766.
	1766.	1766.	1766.	1622.	1598.	1598.	1598.	1454.	1261.	1261.
	1261.	1225.	1177.	1177.	1177.	1177.	1430.	1430.	1430.	1430.
	3111.	3784.	10271.	15136.	23942.	25467.	49397.	42237.	29900.	22861.
	22320.	19449.	22861.	21911.	19341.	19341.	19341.	19701.	19821.	12517.
	10139.	11665.								
1963	7694.	5859.	5105.	4613.	3111.	2355.	2355.	2355.	2162.	1682.
	1682.	1682.	1682.	1394.	1345.	1345.	1345.	1309.	1261.	1261.
	1261.	1081.	841.	841.	841.	841.	698.	698.	698.	698.
	2242.	2859.	16121.	26068.	30008.	21863.	21863.	21863.	21863.	26188.
	33852.	32074.	27389.	23377.	21143.	18344.	19401.	16434.	12734.	11388.
	9106.	9232.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 12 (Continued)

COMPUTED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT WATANA DAMSITE

1964	7482.	6300.	5154.	3904.	2427.	2186.	1934.	1598.	1550.	1430.
	1382.	1093.	1093.	949.	925.	865.	841.	841.	841.	824.
	782.	724.	648.	621.	555.	555.	597.	597.	648.	656.
	728.	877.	1177.	2606.	24378.	63092.	43330.	36159.	26152.	21335.
	21984.	20746.	14235.	16614.	15749.	12698.	13539.	11436.	9548.	7781.
	7824.	7657.								
1965	6456.	7225.	4728.	3761.	2590.	2385.	2361.	2631.	1710.	1152.
	1027.	933.	933.	825.	807.	807.	807.	771.	723.	723.
	723.	738.	757.	757.	757.	757.	992.	992.	1252.	1295.
	1691.	4529.	7880.	14199.	28290.	18476.	19737.	18860.	27762.	25527.
	25744.	23978.	20794.	18692.	16542.	25551.	17130.	9538.	14168.	17407.
	15929.	21059.								
1966	12686.	7053.	3304.	2733.	2325.	1904.	1682.	1604.	1538.	1442.
	1394.	1337.	1287.	1193.	1177.	1177.	1177.	1141.	1093.	1093.
	1093.	1093.	1093.	1093.	1093.	1093.	1261.	1261.	1658.	1724.
	2535.	3268.	6055.	11604.	18212.	40099.	28699.	24242.	20458.	15677.
	14932.	15629.	17683.	23557.	19269.	15845.	19197.	15389.	10836.	10523.
	10403.	8673.								
1967	5878.	3941.	2980.	2018.	1454.	1345.	1345.	1345.	1321.	1261.
	1261.	1261.	1261.	1261.	1261.	1261.	1261.	1225.	1177.	1177.
	1177.	1105.	1009.	1009.	1009.	1009.	925.	925.	949.	1093.
	1466.	4145.	14416.	20170.	24242.	22344.	29275.	24398.	23870.	18127.
	18055.	25107.	29263.	22788.	21059.	46141.	25732.	17335.	24446.	14427.
	10487.	9108.								
1968	5761.	4796.	3750.	2859.	2403.	2042.	1934.	1862.	1826.	1766.
	1766.	1694.	1682.	1682.	1682.	1682.	1658.	1598.	1598.	1598.
	1598.	1598.	1598.	1598.	1598.	1598.	1574.	1514.	1586.	1694.
	1886.	2475.	11004.	28459.	23161.	22248.	30969.	31402.	22861.	24747.
	22524.	21743.	21011.	18680.	16938.	14091.	12734.	11292.	9478.	9495.
	6063.	5305.								
1969	4256.	3675.	2830.	2512.	2138.	1658.	1261.	1105.	913.	799.
	757.	715.	679.	649.	631.	589.	589.	589.	589.	601.
	631.	631.	655.	673.	709.	733.	805.	949.	1237.	1754.
	2859.	5056.	9615.	16866.	10149.	10764.	13719.	15028.	13647.	11713.
	14824.	15232.	12734.	11256.	12013.	6222.	5047.	4703.	5300.	4635.
	3974.	3814.								
1970	3313.	3119.	2732.	1844.	1442.	1201.	949.	841.	787.	757.
	721.	715.	715.	715.	715.	685.	673.	673.	673.	631.
	631.	631.	631.	643.	673.	673.	715.	787.	901.	1093.
	1634.	3880.	13743.	12409.	15244.	14271.	13767.	13034.	21948.	21047.
	17659.	18920.	18091.	22224.	19233.	14860.	16794.	11592.	10004.	7960.
	8109.	5166.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 12 (Continued)

COMPUTED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT WATANA DAMSITE

1971	5901.	4925.	4012.	3412.	3364.	3195.	2907.	2571.	2307.	2162.
	2018.	1850.	1658.	1466.	1309.	1189.	1045.	973.	925.	841.
	841.	823.	799.	799.	799.	799.	811.	841.	913.	1021.
	1225.	1598.	2355.	4157.	7328.	19221.	39679.	24098.	33288.	20578.
	20938.	24134.	15701.	20482.	37624.	33636.	20626.	16374.	19221.	12265.
	9274.	9198.								
1972	6512.	5835.	4429.	3652.	3027.	2739.	2595.	2451.	2331.	2186.
	2186.	2018.	2018.	2018.	1850.	1850.	1850.	1850.	1754.	1682.
	1682.	1610.	1586.	1514.	1514.	1490.	1430.	1430.	1370.	1430.
	2847.	16458.	16217.	22608.	37204.	20578.	36543.	32002.	21635.	21335.
	21323.	19004.	15497.	17022.	18272.	16758.	17323.	11592.	11088.	15160.
	11172.	5766.								
1973	4024.	3724.	5166.	3832.	2619.	2138.	1826.	1682.	1466.	1345.
	1201.	1177.	1177.	1033.	1009.	1009.	1009.	1009.	1009.	1009.
	1009.	937.	841.	841.	841.	841.	841.	841.	841.	889.
	1177.	2258.	7736.	10655.	13214.	16998.	28338.	30645.	20134.	17707.
	16926.	12806.	13815.	14848.	17683.	14091.	18332.	19485.	10776.	7519.
	6350.	5895.								
1974	4739.	3817.	2632.	1994.	1610.	1382.	1273.	1165.	1069.	961.
	865.	823.	799.	763.	757.	727.	715.	697.	673.	661.
	631.	631.	631.	619.	589.	589.	589.	613.	739.	1177.
	2162.	5538.	10331.	23065.	26368.	16446.	14043.	13130.	14019.	14247.
	17707.	16241.	15617.	14896.	15713.	13442.	10639.	14405.	13971.	7832.
	7915.	11902.								
1975	4627.	4599.	2451.	1634.	1430.	1430.	1430.	1430.	1418.	1345.
	1345.	1345.	1345.	1333.	1261.	1261.	1261.	1261.	1261.	1261.
	1213.	1177.	1177.	1177.	1177.	1177.	1177.	1189.	1297.	1538.
	2391.	5766.	12674.	19365.	25647.	30609.	22993.	28891.	25828.	23125.
	25143.	23834.	21803.	20350.	16386.	15653.	13815.	11905.	9875.	16722.
	15665.	15088.								
1976	8649.	7628.	7028.	4145.	2883.	2066.	1574.	1249.	1069.	961.
	925.	889.	841.	841.	841.	811.	799.	799.	799.	799.
	799.	781.	757.	757.	757.	757.	757.	793.	985.	1646.
	4168.	11725.	11268.	11785.	13563.	23293.	25095.	17671.	17070.	16253.
	16217.	15461.	15857.	18260.	23305.	17299.	13286.	9404.	6499.	5323.
	5354.	6517.								
1977	4063.	3316.	3162.	2806.	2475.	2283.	2138.	2018.	2427.	2283.
	2066.	1898.	1754.	1646.	1598.	1514.	1478.	1430.	1370.	1345.
	1345.	1309.	1261.	1261.	1261.	1261.	1345.	1345.	1418.	1490.
	1658.	2907.	10523.	16145.	24554.	29395.	38934.	31906.	28470.	18260.
	20302.	21455.	17851.	18740.	17935.	16410.	16590.	10523.	8714.	12337.
	11833.	11381.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 12 (Continued)

COMPUTED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT WATANA DAMSITE

1978	7424.	7532.	6619.	4937.	3772.	3220.	2901.	2691.	2493.	2318.
	2216.	2150.	1988.	1880.	1772.	1682.	1616.	1520.	1430.	1388.
	1388.	1345.	1345.	1345.	1345.	1363.	1388.	1388.	1388.	1466.
	3063.	10559.	14416.	9754.	10403.	12938.	17971.	15376.	19161.	18764.
	17431.	17623.	17286.	16998.	16073.	14944.	12469.	8986.	9430.	8500.
	6390.	5450.								
1979	4554.	5103.	4122.	3093.	3008.	2628.	1970.	1730.	1658.	1598.
	1454.	1309.	1261.	1225.	1177.	1177.	1177.	1093.	1093.	1093.
	1093.	1009.	1009.	1009.	1009.	1009.	1009.	1057.	1165.	1466.
	2307.	4325.	10091.	16097.	26633.	23113.	19401.	17515.	21671.	22176.
	21936.	26705.	27293.	22296.	20854.	16842.	14343.	12758.	7944.	7739.
	11388.	10305.								
1980	6635.	8421.	5915.	4370.	4096.	3720.	4145.	2967.	2823.	2307.
	2078.	1898.	1718.	1610.	1538.	1454.	1382.	1345.	1285.	1225.
	1177.	1177.	1177.	1177.	1177.	1177.	1177.	1177.	1237.	1682.
	3484.	8169.	11701.	10463.	16686.	27029.	21299.	27582.	24062.	26356.
	26741.	28218.	25347.	27762.	19509.	18440.	16722.	12157.	8888.	9506.
	15977.	11929.								
1981	8282.	7382.	6141.	5061.	3916.	3541.	2643.	2691.	2691.	1946.
	1502.	1412.	1358.	1321.	1538.	1790.	1934.	1958.	2030.	1694.
	1345.	1261.	1261.	1345.	1370.	1388.	1430.	1490.	1586.	2054.
	4728.	17154.	17226.	11352.	18452.	15665.	14223.	15304.	17875.	14992.
	35390.	34597.	30861.	32459.	30405.	39294.	31137.	20999.	15124.	12193.
	10175.	9465.								
1982	6425.	6054.	6222.	7216.	3878.	3316.	3243.	2727.	2378.	2127.
	2006.	1934.	1934.	1934.	1934.	1934.	1934.	1945.	1982.	1447.
	1051.	925.	925.	925.	979.	1255.	1261.	1261.	1393.	1850.
	2842.	6811.	12614.	16938.	19100.	21989.	18380.	24266.	23545.	16398.
	20277.	20614.	23125.	19893.	13983.	12169.	10620.	11784.	11340.	14199.
	22332.	14069.								
1983	8769.	6897.	5608.	3292.	2499.	2343.	2222.	2078.	2018.	1934.
	1934.	1934.	2054.	2331.	2018.	1790.	1682.	1646.	1598.	1694.
	1754.	1646.	1538.	1430.	1381.	1273.	1261.	1285.	1502.	2030.
	3868.	9322.	16097.	14295.	20302.	22993.	16470.	20086.	19905.	21335.
	18356.	15341.	16575.	17671.	22356.	21371.	18295.	22428.	15941.	10583.
	8690.	10307.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 13

**Computed Weekly Flows for
Susitna River at Devil Canyon Damsite**

TABLE 13

COMPUTED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT DEVAIL CANYON DAMSITE

1950	12126.	5414.	3961.	3584.	3153.	2816.	2372.	2331.	1603.	1603.
	1496.	1240.	1065.	957.	923.	930.	1038.	1038.	916.	647.
	593.	670.	671.	628.	679.	756.	730.	738.	800.	951.
	2183.	7552.	12895.	13393.	16897.	16129.	15630.	24685.	18244.	18824.
	20023.	21896.	23809.	23674.	21815.	19955.	16452.	12423.	8737.	9904.
	6697.	6778.								
1951	4959.	4420.	3859.	2202.	1388.	1307.	1226.	1159.	1105.	1038.
	1038.	1038.	1038.	924.	906.	906.	906.	849.	773.	773.
	773.	741.	698.	698.	698.	698.	730.	941.	1442.	2506.
	5807.	16344.	18177.	9024.	15725.	27865.	20090.	12774.	17988.	19551.
	22960.	21963.	20198.	20212.	16614.	17651.	17274.	24146.	28350.	17611.
	18190.	17597.								
1952	8704.	5821.	4231.	3288.	3301.	3022.	2234.	2210.	2062.	1792.
	1792.	1792.	1792.	1550.	1509.	1509.	1509.	1267.	943.	943.
	943.	895.	830.	830.	830.	830.	868.	868.	868.	868.
	1124.	1428.	1954.	4231.	20683.	23405.	33147.	35949.	31813.	26059.
	18514.	23661.	25642.	35128.	23647.	18568.	14094.	16344.	17813.	12046.
	10402.	14229.								
1953	10510.	9800.	6822.	4972.	4716.	4015.	2574.	3153.	2291.	1603.
	1603.	1603.	1603.	1118.	1038.	1038.	1038.	924.	773.	773.
	773.	773.	773.	773.	773.	773.	877.	877.	1419.	2358.
	13326.	15859.	14431.	24887.	19565.	33120.	25574.	20818.	24362.	19080.
	17234.	18743.	19484.	24186.	20616.	16520.	17005.	20279.	17719.	16142.
	13461.	11720.								
1954	7658.	6350.	4659.	3714.	2265.	2142.	1981.	1846.	1684.	1415.
	1415.	1415.	1415.	1253.	1226.	1226.	1226.	1105.	943.	943.
	943.	854.	736.	736.	736.	736.	821.	821.	1411.	1509.
	6360.	11588.	18770.	21518.	20346.	24011.	23068.	22125.	26895.	23095.
	18419.	17921.	17921.	29374.	22637.	22637.	22637.	21694.	15361.	13205.
	12316.	9037.								
1955	6131.	5762.	4339.	4339.	3476.	2830.	2668.	2358.	2277.	2075.
	2035.	1792.	1792.	1873.	1886.	1617.	1509.	1428.	1321.	1321.
	1321.	1199.	1038.	1038.	1038.	1038.	1132.	1132.	1132.	1132.
	3355.	4244.	4959.	14849.	16439.	19174.	31260.	33915.	31759.	32244.
	26935.	20791.	24860.	21330.	19713.	20225.	24591.	35128.	18554.	14175.
	11521.	10369.								
1956	6825.	5025.	4092.	3525.	2345.	1981.	1819.	1603.	1496.	1226.
	1226.	1226.	1226.	967.	924.	924.	924.	920.	915.	915.
	915.	903.	887.	887.	887.	887.	896.	896.	896.	896.
	2372.	10753.	15347.	30533.	20454.	31557.	41070.	30155.	26585.	27407.
	29886.	30182.	29455.	29644.	27137.	24523.	19551.	16708.	15091.	21155.
	20616.	15091.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 13 (Continued)

COMPUTED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT DEVIL CANYON DAMSITE

1957	6791.	6791.	4608.	4244.	3544.	3018.	2897.	2735.	2601.	2264.
	2196.	1792.	1792.	1630.	1603.	1603.	1603.	1523.	1415.	1415.
	1415.	1294.	1132.	1132.	1132.	1132.	1132.	1132.	1132.	1132.
	3220.	5430.	8866.	19861.	29158.	35316.	31206.	27690.	18958.	21896.
	20117.	22556.	24469.	19767.	19753.	19646.	18015.	19942.	17840.	19470.
	18931.	20777.								
1958	9746.	8361.	6819.	7031.	5120.	4265.	3650.	3001.	3382.	4069.
	3471.	2588.	2102.	2291.	2008.	1752.	1657.	1374.	1361.	1226.
	1132.	1132.	1132.	1105.	1038.	1038.	1132.	1267.	1374.	1665.
	3763.	7435.	10389.	19780.	20804.	26410.	26410.	22772.	20750.	20750.
	20750.	20750.	20346.	36488.	25965.	19282.	15630.	10901.	8017.	8017.
	6225.	7115.								
1959	5651.	4972.	4757.	3301.	2816.	2452.	2089.	1603.	1442.	1038.
	1145.	1792.	1792.	1469.	1415.	1348.	1321.	1321.	1321.	1267.
	1132.	1043.	924.	924.	924.	924.	943.	943.	1348.	1415.
	2695.	4285.	18298.	25925.	21060.	24550.	18339.	21855.	24456.	24901.
	23903.	25898.	20454.	22529.	17571.	22556.	41663.	40719.	27070.	13986.
	10505.	11325.								
1960	10106.	6980.	3840.	4797.	3288.	2830.	2708.	2547.	2412.	2075.
	2075.	2075.	2075.	1913.	1886.	1684.	1603.	1523.	1415.	1388.
	1321.	1280.	1226.	1172.	1038.	1038.	1038.	1038.	1361.	1415.
	5524.	7168.	13852.	21559.	22906.	13542.	14040.	14539.	15981.	21626.
	16034.	18446.	25291.	30223.	23984.	21195.	20481.	19672.	17274.	27299.
	19349.	16560.								
1961	11817.	8583.	6104.	4447.	3382.	3113.	2870.	2547.	2601.	2735.
	2681.	2358.	2358.	2277.	2264.	2331.	2358.	2075.	1698.	1671.
	1603.	1523.	1415.	1577.	1981.	1981.	2358.	2358.	2601.	2641.
	6818.	11992.	20750.	19767.	18689.	17894.	29226.	36515.	30681.	21694.
	22772.	23580.	24429.	24186.	24523.	20939.	19875.	14768.	11723.	13299.
	12666.	14579.								
1962	9836.	4339.	4339.	4339.	3315.	2547.	2547.	2547.	2385.	1981.
	1981.	1981.	1981.	1819.	1792.	1792.	1792.	1630.	1415.	1415.
	1415.	1374.	1321.	1321.	1321.	1321.	1603.	1603.	1603.	1603.
	3490.	4244.	11521.	16978.	26854.	28566.	55406.	47376.	33538.	25642.
	25035.	21815.	25642.	24577.	21694.	21694.	21694.	22098.	22233.	14040.
	11372.	13084.								
1963	8630.	6571.	5727.	5174.	3490.	2641.	2641.	2641.	2425.	1886.
	1886.	1886.	1886.	1563.	1509.	1509.	1509.	1469.	1415.	1415.
	1415.	1213.	943.	943.	943.	943.	783.	783.	783.	783.
	2514.	3207.	18083.	29239.	33659.	24523.	24523.	24523.	24523.	29374.
	37971.	35976.	30721.	26221.	23715.	20575.	21761.	18433.	14283.	12774.
	10214.	10355.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 13 (Continued)

COMPUTED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT DEVIL CANYON DAMSITE

1964	8392.	7066.	5781.	4379.	2722.	2452.	2169.	1792.	1738.	1603.
	1550.	1226.	1226.	1065.	1038.	970.	943.	943.	943.	924.
	877.	813.	726.	697.	623.	623.	670.	670.	726.	736.
	817.	984.	1321.	2923.	27343.	70767.	48602.	40558.	29334.	23930.
	24658.	23270.	15967.	18635.	17665.	14242.	15186.	12828.	10709.	8727.
	8776.	8589.								
1965	7241.	8103.	5304.	4219.	2905.	2675.	2648.	2951.	1917.	1292.
	1152.	1047.	1047.	926.	906.	906.	906.	865.	811.	811.
	811.	827.	849.	849.	849.	849.	1113.	1113.	1404.	1453.
	1897.	5080.	8839.	15927.	31732.	20723.	22138.	21155.	31139.	28633.
	28875.	26895.	23324.	20966.	18554.	28660.	19214.	10699.	15892.	19524.
	17867.	23621.								
1966	14229.	7911.	3706.	3065.	2607.	2136.	1886.	1799.	1725.	1617.
	1563.	1500.	1443.	1338.	1321.	1321.	1321.	1280.	1226.	1226.
	1226.	1226.	1226.	1226.	1226.	1226.	1415.	1415.	1859.	1934.
	2843.	3665.	6791.	13016.	20427.	44977.	32190.	27191.	22947.	17584.
	16749.	17530.	19834.	26423.	21613.	17773.	21532.	17261.	12154.	11804.
	11669.	9728.								
1967	6593.	4421.	3343.	2264.	1630.	1509.	1509.	1509.	1482.	1415.
	1415.	1415.	1415.	1415.	1415.	1415.	1415.	1374.	1321.	1321.
	1321.	1240.	1132.	1132.	1132.	1132.	1038.	1038.	1065.	1226.
	1644.	4649.	16169.	22623.	27191.	25062.	32837.	27366.	26773.	20333.
	20252.	28161.	32823.	25561.	23621.	51755.	28862.	19443.	27420.	16183.
	11763.	10216.								
1968	6462.	5379.	4207.	3207.	2695.	2291.	2169.	2089.	2048.	1981.
	1981.	1900.	1886.	1886.	1886.	1886.	1859.	1792.	1792.	1792.
	1792.	1792.	1792.	1792.	1792.	1792.	1765.	1698.	1779.	1900.
	2116.	2776.	12342.	31921.	25979.	24954.	34737.	35222.	25642.	27757.
	25264.	24388.	23567.	20953.	18999.	15805.	14283.	12666.	10631.	10650.
	6801.	5950.								
1969	4774.	4122.	3175.	2817.	2399.	1859.	1415.	1240.	1024.	896.
	849.	802.	761.	728.	707.	660.	660.	660.	660.	674.
	707.	707.	734.	755.	795.	822.	903.	1065.	1388.	1967.
	3207.	5671.	10785.	18918.	11383.	12073.	15388.	16856.	15307.	13138.
	16627.	17085.	14283.	12625.	13474.	6978.	5661.	5275.	5945.	5198.
	4457.	4278.								
1970	3716.	3498.	3064.	2068.	1617.	1348.	1065.	943.	883.	849.
	808.	802.	802.	802.	802.	768.	755.	755.	755.	707.
	707.	707.	707.	721.	755.	755.	802.	883.	1011.	1226.
	1833.	4352.	15415.	13919.	17099.	16007.	15442.	14620.	24618.	23607.
	19807.	21222.	20292.	24928.	21572.	16668.	18837.	13003.	11221.	8928.
	9095.	5794.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 13. (Continued)

COMPUTED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT DEVIL CANYON DAMSITE

1971	6619.	5524.	4500.	3827.	3773.	3584.	3261.	2884.	2587.	2425.
	2264.	2075.	1859.	1644.	1469.	1334.	1172.	1091.	1038.	943.
	943.	923.	896.	896.	896.	896.	910.	943.	1024.	1145.
	1374.	1792.	2641.	4662.	8219.	21559.	44506.	27029.	37337.	23081.
	23486.	27070.	17611.	22974.	42202.	37728.	23135.	18365.	21559.	13757.
	10402.	10317.								
1972	7304.	6545.	4968.	4096.	3396.	3072.	2910.	2749.	2614.	2452.
	2452.	2264.	2264.	2264.	2075.	2075.	2075.	2075.	1967.	1886.
	1886.	1806.	1779.	1698.	1698.	1671.	1603.	1603.	1536.	1603.
	3193.	18460.	18190.	25359.	41730.	23081.	40989.	35896.	24267.	23930.
	23917.	21316.	17382.	19093.	20494.	18797.	19430.	13003.	12437.	17005.
	12531.	6468.								
1973	4514.	4177.	5794.	4298.	2937.	2399.	2048.	1886.	1644.	1509.
	1348.	1321.	1321.	1159.	1132.	1132.	1132.	1132.	1132.	1132.
	1132.	1051.	943.	943.	943.	943.	943.	943.	943.	997.
	1321.	2533.	8677.	11952.	14822.	19066.	31786.	34373.	22583.	19861.
	18985.	14364.	15496.	16654.	19834.	15805.	20562.	21855.	12086.	8434.
	7123.	6612.								
1974	5316.	4281.	2952.	2237.	1806.	1550.	1428.	1307.	1199.	1078.
	970.	923.	896.	856.	849.	815.	802.	782.	755.	741.
	707.	707.	707.	694.	660.	660.	660.	687.	829.	1321.
	2425.	6212.	11588.	25871.	29576.	18446.	15751.	14727.	15725.	15981.
	19861.	18217.	17517.	16708.	17624.	15078.	11933.	16157.	15671.	8785.
	8878.	13350.								
1975	5190.	5158.	2749.	1833.	1603.	1603.	1603.	1603.	1590.	1509.
	1509.	1509.	1509.	1496.	1415.	1415.	1415.	1415.	1415.	1415.
	1361.	1321.	1321.	1321.	1321.	1321.	1321.	1334.	1455.	1725.
	2681.	6468.	14215.	21721.	28768.	34333.	25790.	32406.	28970.	25938.
	28202.	26733.	24456.	22825.	18379.	17557.	15496.	13353.	11076.	18756.
	17571.	16924.								
1976	9702.	8556.	7882.	4649.	3234.	2318.	1765.	1401.	1199.	1078.
	1038.	997.	943.	943.	943.	910.	896.	896.	896.	896.
	896.	876.	849.	849.	849.	849.	849.	889.	1105.	1846.
	4676.	13151.	12639.	13218.	15213.	26127.	28148.	19821.	19147.	18231.
	18190.	17341.	17786.	20481.	26140.	19403.	14903.	10548.	7290.	5971.
	6005.	7310.								
1977	4557.	3719.	3546.	3148.	2776.	2560.	2399.	2264.	2722.	2560.
	2318.	2129.	1967.	1846.	1792.	1698.	1657.	1603.	1536.	1509.
	1509.	1469.	1415.	1415.	1415.	1415.	1509.	1509.	1590.	1671.
	1859.	3261.	11804.	18109.	27541.	32972.	43670.	35788.	31934.	20481.
	22772.	24065.	20023.	21020.	20117.	18406.	18608.	11804.	9774.	13838.
	13272.	12766.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 13 (Continued)

COMPUTED WEEKLY FLOWS^{1/} FOR SUSITNA RIVER AT DEVIL CANYON DAMSITE

1978	8327.	8448.	7424.	5538.	4231.	3611.	3254.	3018.	2796.	2601.
	2486.	2412.	2230.	2109.	1987.	1886.	1812.	1705.	1603.	1556.
	1556.	1509.	1509.	1509.	1509.	1529.	1556.	1556.	1556.	1644.
	3436.	11844.	16169.	10941.	11669.	14512.	20158.	17247.	21492.	21047.
	19551.	19767.	19390.	19066.	18029.	16762.	13986.	10079.	10577.	9534.
	7167.	6113.								
1979	5108.	5724.	4623.	3470.	3374.	2948.	2210.	1940.	1859.	1792.
	1630.	1469.	1415.	1374.	1321.	1321.	1321.	1226.	1226.	1226.
	1226.	1132.	1132.	1132.	1132.	1132.	1132.	1186.	1307.	1644.
	2587.	4851.	11318.	18056.	29873.	25925.	21761.	19646.	24308.	24874.
	24604.	29953.	30614.	25008.	23391.	18891.	16088.	14310.	8911.	8680.
	12774.	11558.								
1980	7442.	9446.	6635.	4902.	4595.	4173.	4649.	3328.	3166.	2587.
	2331.	2129.	1927.	1806.	1725.	1630.	1550.	1509.	1442.	1374.
	1321.	1321.	1321.	1321.	1321.	1321.	1321.	1321.	1388.	1886.
	3908.	9163.	13124.	11736.	18716.	30317.	23890.	30937.	26989.	29563.
	29994.	31651.	28431.	31139.	21882.	20683.	18756.	13636.	9970.	10662.
	17921.	13380.								
1981	9289.	8280.	6888.	5677.	4393.	3972.	2964.	3018.	3018.	2183.
	1684.	1583.	1523.	1482.	1725.	2008.	2169.	2196.	2277.	1900.
	1509.	1415.	1415.	1509.	1536.	1556.	1603.	1671.	1779.	2304.
	5304.	19241.	19322.	12733.	20697.	17571.	15954.	17166.	20050.	16816.
	39695.	38806.	34615.	36408.	34103.	44070.	34925.	23553.	16964.	13676.
	11413.	10616.								
1982	7207.	6791.	6979.	8094.	4350.	3719.	3638.	3059.	2667.	2384.
	2250.	2170.	2170.	2170.	2170.	2170.	2170.	2183.	2223.	1623.
	1179.	1038.	1038.	1038.	1098.	1408.	1415.	1415.	1563.	2075.
	3194.	7640.	14148.	18999.	21424.	24658.	20616.	27218.	26410.	18392.
	22744.	23122.	25938.	22313.	15684.	13649.	11912.	13218.	12720.	15927.
	25048.	15779.								
1983	9836.	7735.	6290.	3692.	2803.	2628.	2493.	2331.	2264.	2169.
	2169.	2169.	2304.	2614.	2264.	2008.	1886.	1846.	1792.	1900.
	1967.	1846.	1725.	1603.	1549.	1428.	1415.	1442.	1684.	2277.
	4339.	10456.	18056.	16034.	22773.	25790.	18473.	22529.	22327.	23930.
	20589.	17207.	18595.	19821.	25076.	23957.	20521.	25156.	17880.	11871.
	9748.	11388.								

^{1/} Weekly flows start from Week 1 (Oct 1-7) to Week 52 (Sept. 23-30)

TABLE 14

**Flow Duration Data at
Gold Creek for Natural Conditions**

TABLE 14

FLOW DURATION DATA AT GOLD CREEK FOR NATURAL CONDITIONS

WEEK= 1 (1 OCT- 7 OCT)		WEEK= 2 (8 OCT-14 OCT)		WEEK= 3 (15 OCT-21 OCT)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	15101.	0.0	10400.	0.0	8365.
2.9	13108.	5.9	9330.	2.9	7913.
8.8	11378.	17.6	8836.	5.9	7486.
14.7	10601.	26.5	8369.	17.6	7081.
26.5	9877.	29.4	7508.	20.6	6698.
32.3	9202.	41.2	7111.	26.5	6336.
41.2	8573.	47.1	6735.	35.3	5670.
44.1	7987.	50.0	6379.	38.2	5364.
55.9	7442.	58.8	6041.	41.2	5074.
67.6	6933.	64.7	5722.	52.9	4800.
73.5	6018.	70.6	5420.	61.8	4540.
79.4	5607.	76.5	4862.	70.6	4295.
88.2	5224.	82.3	4605.	79.4	4063.
91.2	4867.	94.1	4131.	82.3	3843.
97.1	4225.	97.1	3912.	85.3	3636.
100.0	3936.	100.0	3705.	88.2	3439.
				91.2	3253.
				97.1	3077.
				100.0	2911.
WEEK= 4 (22 OCT-28 OCT)		WEEK= 5 (29 OCT- 4 NOV)		WEEK= 6 (5 NOV-11 NOV)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	8590.	0.0	5434.	0.0	4526.
2.9	7943.	2.9	5073.	8.8	4252.
5.9	6280.	8.8	4736.	11.8	3995.
11.8	5808.	17.6	4126.	20.6	3314.
14.7	5370.	20.6	3852.	35.3	3113.
23.5	4966.	32.3	3596.	44.1	2925.
38.2	4592.	50.0	3357.	52.9	2749.
50.0	4246.	52.9	3133.	64.7	2582.
55.9	3927.	67.6	2925.	73.5	2280.
67.6	3631.	76.5	2549.	79.4	2142.
76.5	3357.	85.3	1935.	82.3	2013.
82.3	3105.	88.2	1807.	85.3	1777.
85.3	2455.	97.1	1574.	88.2	1669.
94.1	2270.	100.0	1470.	94.1	1474.
97.1	2099.			100.0	1385.
100.0	1941.				

TABLE 14 (Continued)

FLOW DURATION DATA AT GOLD CREEK FOR NATURAL CONDITIONS

WEEK= 7 (12 NOV-18 NOV)		WEEK= 8 (19 NOV-25 NOV)		WEEK= 9 (26 NOV- 2 DEC)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	4934.	0.0	3533.	0.0	3590.
2.9	3908.	5.9	3305.	5.9	3344.
8.8	3616.	20.6	3093.	8.8	3116.
14.7	3346.	29.4	2894.	11.8	2903.
17.6	3096.	32.3	2708.	29.4	2704.
29.4	2865.	41.2	2534.	38.2	2519.
44.1	2650.	52.9	2371.	47.1	2187.
52.9	2452.	55.9	2218.	52.9	2037.
64.7	2269.	58.8	2076.	58.8	1898.
73.5	2100.	67.6	1942.	67.6	1768.
76.5	1943.	73.5	1700.	76.5	1647.
82.3	1797.	85.3	1489.	82.3	1535.
85.3	1663.	88.2	1393.	85.3	1332.
88.2	1539.	94.1	1303.	91.2	1241.
94.1	1317.	97.1	1068.	94.1	1156.
97.1	1219.	100.0	999.	97.1	1004.
100.0	1128.			100.0	935.
WEEK=10 (3 DEC- 9 DEC)		WEEK=11 (10 DEC-16 DEC)		WEEK=12 (17 DEC-23 DEC)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	4318.	0.0	3684.	0.0	2747.
2.9	3103.	2.9	2926.	2.9	2582.
5.9	2857.	5.9	2709.	8.8	2427.
14.7	2631.	11.8	2509.	17.6	2282.
23.5	2422.	26.5	2324.	29.4	2145.
32.3	2230.	35.3	2152.	32.3	2017.
44.1	2054.	44.1	1993.	50.0	1782.
52.9	1741.	47.1	1845.	55.9	1676.
64.7	1603.	52.9	1709.	61.8	1575.
76.5	1476.	67.6	1583.	70.6	1481.
79.4	1359.	73.5	1466.	73.5	1392.
82.3	1152.	76.5	1357.	76.5	1309.
94.1	977.	79.4	1257.	82.3	1157.
100.0	899.	85.3	1164.	88.2	1087.
		91.2	1078.	91.2	1022.
		94.1	924.	94.1	903.
		100.0	856.	100.0	849.

TABLE 14 (Continued)

FLOW DURATION DATA AT GOLD CREEK FOR NATURAL CONDITIONS

WEEK=13 (24 DEC-30 DEC)		WEEK=14 (31 DEC- 6 JAN)		WEEK=15 (7 JAN-13 JAN)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	2503.	0.0	2774.	0.0	2402.
11.8	2358.	2.9	2593.	8.8	2260.
17.6	2221.	5.9	2424.	14.7	2125.
23.5	2093.	14.7	2266.	26.5	1999.
35.3	1972.	17.6	2118.	32.3	1880.
50.0	1750.	26.5	1980.	38.2	1768.
52.9	1649.	35.3	1851.	41.2	1663.
58.8	1553.	38.2	1730.	47.1	1564.
70.6	1463.	47.1	1617.	58.8	1471.
73.5	1379.	55.9	1512.	64.7	1301.
79.4	1153.	64.7	1413.	67.6	1224.
88.2	1023.	67.6	1235.	70.6	1151.
91.2	964.	73.5	1154.	76.5	1018.
94.1	856.	76.5	1079.	91.2	901.
100.0	806.	82.3	1009.	97.1	797.
		91.2	943.	100.0	749.
		94.1	881.		
		100.0	770.		
WEEK=16 (14 JAN-20 JAN)		WEEK=17 (21 JAN-27 JAN)		WEEK=18 (28 JAN- 3 FEB)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	2473.	0.0	2503.	0.0	2331.
5.9	2314.	2.9	2340.	11.8	2054.
11.8	2165.	11.8	2046.	14.7	1928.
14.7	2026.	20.6	1913.	17.6	1809.
23.5	1896.	23.5	1789.	26.5	1698.
32.3	1774.	35.3	1673.	35.3	1594.
41.2	1660.	47.1	1565.	44.1	1496.
47.1	1553.	52.9	1463.	50.0	1404.
52.9	1453.	61.8	1368.	58.8	1318.
64.7	1360.	64.7	1279.	61.8	1237.
67.6	1272.	70.6	1119.	67.6	1161.
70.6	1114.	76.5	1046.	73.5	1023.
73.5	1042.	82.3	978.	82.3	960.
82.3	975.	91.2	855.	88.2	901.
91.2	912.	97.1	748.	91.2	846.
94.1	854.	100.0	699.	97.1	745.
97.1	747.			100.0	699.
100.0	699.				

TABLE 14 (Continued)

FLOW DURATION DATA AT GOLD CREEK FOR NATURAL CONDITIONS

WEEK=19 (4 FEB-10 FEB)		WEEK=20 (11 FEB-17 FEB)		WEEK=21 (18 FEB-24 FEB)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	2416.	0.0	2045.	0.0	2088.
5.9	2121.	8.8	1931.	5.9	1960.
8.8	1987.	11.8	1823.	8.8	1727.
14.7	1861.	17.6	1721.	14.7	1622.
17.6	1744.	20.6	1625.	20.6	1522.
20.6	1633.	23.5	1534.	32.3	1429.
23.5	1530.	41.2	1448.	44.1	1342.
44.1	1434.	47.1	1367.	50.0	1259.
52.9	1343.	58.8	1218.	61.8	1042.
58.8	1258.	61.8	1025.	70.6	978.
61.8	1104.	76.5	968.	79.4	862.
64.7	1034.	79.4	863.	88.2	760.
79.4	969.	88.2	814.	97.1	669.
82.3	908.	91.2	769.	100.0	628.
85.3	851.	94.1	726.		
97.1	746.	100.0	685.		
100.0	699.				
WEEK=22 (25 FEB- 3 MAR)		WEEK=23 (4 MAR-10 MAR)		WEEK=24 (11 MAR-17 MAR)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	1959.	0.0	1902.	0.0	1902.
8.8	1669.	8.8	1628.	5.9	1703.
14.7	1582.	11.8	1546.	11.8	1611.
20.6	1499.	20.6	1468.	17.6	1525.
23.5	1421.	29.4	1323.	20.6	1443.
35.3	1347.	35.3	1256.	29.4	1365.
44.1	1277.	47.1	1133.	32.3	1292.
47.1	1211.	52.9	1021.	35.3	1222.
52.9	1148.	61.8	969.	47.1	1156.
61.8	1031.	67.6	920.	52.9	1035.
64.7	978.	76.5	830.	61.8	980.
73.5	927.	79.4	788.	67.6	927.
76.5	878.	94.1	748.	76.5	830.
82.3	833.	100.0	710.	82.3	785.
85.3	789.			88.2	743.
97.1	748.			97.1	703.
100.0	709.			100.0	665.

TABLE 14 (Continued)

FLOW DURATION DATA AT GOLD CREEK FOR NATURAL CONDITIONS

WEEK=25 (18 MAR-24 MAR)		WEEK=26 (25 MAR-31 MAR)		WEEK=27 (1 APR- 7 APR)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	2102.	0.0	2102.	0.0	2503.
2.9	1978.	2.9	1978.	2.9	1913.
5.9	1861.	5.9	1861.	5.9	1789.
8.8	1647.	8.8	1750.	14.7	1673.
17.6	1549.	11.8	1647.	20.6	1565.
20.6	1458.	14.7	1549.	29.4	1463.
29.4	1371.	23.5	1458.	35.3	1279.
32.3	1214.	32.3	1371.	47.1	1196.
44.1	1142.	35.3	1214.	50.0	1119.
52.9	1011.	44.1	1142.	55.9	1046.
61.8	951.	52.9	1011.	61.8	978.
73.5	895.	61.8	951.	76.5	915.
79.4	842.	73.5	895.	82.3	855.
85.3	792.	79.4	842.	88.2	800.
88.2	745.	88.2	792.	94.1	748.
94.1	701.	91.2	745.	100.0	699.
100.0	659.	94.1	701.		
		100.0	659.		
WEEK=28 (8 APR-14 APR)		WEEK=29 (15 APR-21 APR)		WEEK=30 (22 APR-28 APR)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	2503.	0.0	2760.	0.0	2803.
2.9	1919.	2.9	1972.	5.9	2620.
5.9	1796.	11.8	1844.	8.8	2449.
14.7	1681.	14.7	1724.	14.7	2290.
20.6	1573.	29.4	1612.	17.6	2141.
29.4	1472.	35.3	1507.	26.5	2001.
35.3	1377.	58.8	1409.	32.3	1871.
38.2	1289.	61.8	1232.	41.2	1749.
41.2	1206.	70.6	1151.	52.9	1635.
52.9	1129.	76.5	1077.	58.8	1528.
58.8	1056.	79.4	1007.	64.7	1429.
70.6	988.	85.3	941.	67.6	1336.
82.3	925.	88.2	880.	73.5	1249.
88.2	866.	97.1	823.	82.3	1091.
91.2	810.	100.0	769.	85.3	1020.
94.1	758.			88.2	954.
100.0	709.			94.1	834.
				100.0	779.

TABLE 14 (Continued)

FLOW DURATION DATA AT GOLD CREEK FOR NATURAL CONDITIONS

WEEK=31 (29 APR- 5 MAY)		WEEK=32 (6 MAY-12 MAY)		WEEK=33 (13 MAY-19 MAY)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	14143.	0.0	20420.	0.0	22022.
2.9	7854.	5.9	17460.	23.5	19048.
5.9	6780.	11.8	14929.	29.4	16476.
14.7	5853.	14.7	12765.	47.1	14251.
17.6	5052.	29.4	10915.	61.8	12326.
23.5	4361.	32.3	9333.	76.5	10661.
29.4	3765.	38.2	7980.	82.3	9222.
50.0	3250.	47.1	6823.	85.3	7976.
58.8	2806.	52.9	5834.	88.2	5967.
70.6	2422.	61.8	4988.	91.2	2889.
76.5	2091.	76.5	4265.	94.1	2161.
85.3	1805.	79.4	3647.	97.1	1617.
88.2	1558.	85.3	3118.	100.0	1399.
94.1	1345.	91.2	1949.		
97.1	1002.	94.1	1667.		
100.0	865.	97.1	1219.		
		100.0	1042.		
WEEK=34 (20 MAY-26 MAY)		WEEK=35 (27 MAY- 2 JUN)		WEEK=36 (3 JUN- 9 JUN)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	33877.	0.0	44287.	0.0	75104.
8.8	29868.	2.9	37317.	2.9	51736.
20.6	26334.	5.9	34255.	5.9	39119.
23.5	23218.	11.8	31444.	11.8	35639.
41.2	20471.	26.5	28864.	20.6	32468.
52.9	18049.	35.3	24322.	26.5	29579.
61.8	15913.	47.1	22326.	41.2	26947.
70.6	14030.	67.6	20494.	61.8	24550.
85.3	12370.	73.5	18812.	67.6	22366.
88.2	9616.	82.3	17269.	70.6	20376.
91.2	5123.	88.2	15852.	85.3	18563.
94.1	4517.	91.2	13357.	91.2	15407.
97.1	3511.	94.1	12261.	97.1	14036.
100.0	3096.	97.1	9483.	100.0	12787.
		100.0	8705.		

TABLE 14 (Continued)

FLOW DURATION DATA AT GOLD CREEK FOR NATURAL CONDITIONS

WEEK=37 (10 JUN-16 JUN)		WEEK=38 (17 JUN-23 JUN)		WEEK=39 (24 JUN-30 JUN)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	58802.	0.0	50279.	0.0	39626.
2.9	54698.	2.9	43790.	2.9	36068.
5.9	47328.	5.9	40867.	5.9	34411.
11.8	44025.	8.8	38139.	17.6	32830.
17.6	38093.	26.5	35593.	20.6	31321.
20.6	35434.	29.4	33217.	26.5	29882.
38.2	32961.	35.3	30999.	32.3	28509.
41.2	30660.	41.2	28930.	41.2	27199.
44.1	28520.	50.0	26998.	50.0	25950.
52.9	26530.	55.9	25196.	61.8	24757.
58.8	24678.	61.8	23514.	70.6	23620.
67.6	22955.	73.5	21944.	73.5	22535.
73.5	21353.	79.4	19112.	76.5	21499.
76.5	19863.	88.2	16646.	79.4	20511.
82.3	17187.	91.2	15534.	85.3	19569.
97.1	15987.	97.1	14497.	91.2	16994.
100.0	14871.	100.0	13529.	100.0	16213.
WEEK=40 (1 JUL- 7 JUL)		WEEK=41 (8 JUL-14 JUL)		WEEK=42 (15 JUL-21 JUL)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	34220.	0.0	42128.	0.0	41184.
2.9	32637.	5.9	33170.	2.9	39081.
8.8	31128.	11.8	31621.	5.9	35192.
11.8	29688.	14.7	30145.	8.8	33395.
17.6	28315.	17.6	28737.	14.7	30071.
26.5	27005.	20.6	27395.	20.6	28536.
32.3	25756.	29.4	26116.	29.4	27079.
44.1	24564.	41.2	24897.	32.3	25696.
50.0	23428.	52.9	22626.	47.1	24384.
58.8	22344.	58.8	21570.	55.9	23139.
70.6	21311.	76.5	20563.	70.6	21957.
76.5	20325.	82.3	19603.	73.5	20836.
85.3	19385.	88.2	18687.	76.5	19772.
91.2	18488.	91.2	17815.	85.3	18762.
94.1	17633.	100.0	16983.	97.1	16032.
97.1	14590.			100.0	15214.
100.0	13915.				

TABLE 14 (Continued)

FLOW DURATION DATA AT GOLD CREEK FOR NATURAL CONDITIONS

WEEK=43 (22 JUL-28 JUL)		WEEK=44 (29 JUL- 4 AUG)		WEEK=45 (5 AUG-11 AUG)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	36737.	0.0	38725.	0.0	44788.
2.9	35061.	8.8	34624.	2.9	37388.
5.9	33461.	11.8	32740.	5.9	29388.
11.8	31935.	20.6	29273.	11.8	27671.
14.7	30478.	26.5	27680.	17.6	26055.
17.6	27760.	35.3	26174.	35.3	24533.
29.4	26494.	47.1	24749.	44.1	23100.
41.2	25285.	58.8	23402.	55.9	21750.
50.0	21980.	70.6	22128.	70.6	20480.
67.6	20977.	82.3	20924.	79.4	19283.
73.5	20020.	88.2	19785.	91.2	18157.
76.5	19106.	91.2	18709.	94.1	17096.
91.2	17403.	94.1	17690.	97.1	15157.
94.1	16609.	97.1	14142.	100.0	14272.
97.1	15851.	100.0	13373.		
100.0	15128.				
WEEK=46 (12 AUG-18 AUG)		WEEK=47 (19 AUG-25 AUG)		WEEK=48 (26 AUG- 1 SEP)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	54926.	0.0	44215.	0.0	43214.
2.9	49423.	2.9	39801.	2.9	38803.
5.9	40017.	5.9	32252.	5.9	28093.
8.8	32401.	8.8	26134.	11.8	25225.
11.8	26234.	17.6	23525.	23.5	22650.
23.5	23606.	35.3	21177.	35.3	20338.
41.2	21241.	58.8	19063.	44.1	18262.
64.7	19113.	67.6	17160.	52.9	16398.
82.3	17199.	82.3	15447.	58.8	14724.
91.2	15476.	91.2	13905.	79.4	13221.
97.1	8215.	97.1	6660.	85.3	11872.
100.0	7392.	100.0	5995.	97.1	6223.
				100.0	5587.

TABLE 14 (Continued)

FLOW DURATION DATA AT GOLD CREEK FOR NATURAL CONDITIONS

WEEK=49 (2 SEP- 8 SEP)		WEEK=50 (9 SEP-15 SEP)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	30087.	0.0	28972.
8.8	25520.	2.9	24326.
11.8	23503.	5.9	22290.
14.7	19935.	11.8	20424.
29.4	18360.	14.7	18715.
35.3	16909.	23.5	17149.
47.1	15573.	29.4	15714.
50.0	14342.	47.1	14399.
52.9	13209.	55.9	13194.
64.7	12165.	64.7	12090.
79.4	11204.	70.6	11078.
85.3	9503.	73.5	10151.
91.2	8752.	82.3	9301.
94.1	8061.	91.2	8523.
97.1	6837.	94.1	6557.
100.0	6297.	97.1	6008.
		100.0	5505.

WEEK=51 (16 SEP-22 SEP)		WEEK=52 (23 SEP-30 SEP)		
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE ^{1/} (CFS)	DISCHARGE ^{2/} (CFS)
0.0	26584.	0.0	25068.	21935.
2.9	22162.	2.9	22910.	20046.
8.8	20235.	5.9	19135.	16743.
23.5	15403.	14.7	17487.	15301.
29.4	14064.	20.6	15982.	13984.
41.2	12841.	26.5	14606.	12780.
55.9	11724.	38.2	13348.	11680.
67.6	10705.	44.1	12199.	10674.
70.6	9774.	52.9	11149.	9755.
79.4	8148.	67.6	10189.	8915.
85.3	7440.	70.6	9312.	8148.
91.2	6793.	73.5	7777.	6805.
97.1	5171.	82.3	7108.	6220.
100.0	4721.	88.2	6496.	5684.
		97.1	4958.	4338.
		100.0	4531.	3965.

^{1/} The values in this column represent the total flow between Sept. 23 and 30, divided by 7.

^{2/} The flows in this column represent the mean flow for the 8 day period, Sept. 23 to 30.

TABLE 15

**Flow Duration Data at
Sunshine for Natural Conditions**

TABLE 15

FLOW DURATION DATA AT SUNSHINE FOR NATURAL CONDITIONS

WEEK= 1 (1 OCT- 7 OCT)		WEEK= 2 (8 OCT-14 OCT)		WEEK= 3 (15 OCT-21 OCT)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	33220.	0.0	27840.	0.0	18397.
2.9	31391.	2.9	24746.	2.9	17444.
5.9	28030.	5.9	23331.	5.9	16540.
8.8	26486.	11.8	20739.	14.7	15683.
17.6	23650.	17.6	19553.	20.6	14870.
23.5	22348.	32.3	17380.	32.3	14099.
32.3	21118.	41.2	16386.	38.2	13369.
44.1	19955.	47.1	15449.	41.2	12676.
47.1	18856.	55.9	14565.	44.1	12019.
55.9	17818.	58.8	13732.	52.9	11396.
70.6	16837.	76.5	12947.	67.6	10805.
73.5	15910.	88.2	12206.	76.5	10245.
82.3	15034.	91.2	11508.	88.2	9714.
85.3	14206.	94.1	10230.	91.2	7852.
88.2	13424.	97.1	9644.	97.1	7059.
91.2	12685.	100.0	9093.	100.0	6693.
94.1	11987.				
100.0	11327.				
WEEK= 4 (22 OCT-28 OCT)		WEEK= 5 (29 OCT- 4 NOV)		WEEK= 6 (5 NOV-11 NOV)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	18590.	0.0	10804.	0.0	10345.
2.9	14551.	11.8	10360.	2.9	9869.
5.9	13687.	17.6	9934.	8.8	9415.
11.8	12874.	23.5	9525.	11.8	8982.
14.7	12110.	29.4	9134.	14.7	8569.
20.6	11390.	32.3	8758.	26.5	7799.
38.2	10714.	41.2	8398.	32.3	7440.
44.1	10078.	50.0	8053.	44.1	7098.
58.8	9479.	58.8	7722.	61.8	6771.
70.6	8916.	64.7	7405.	64.7	5879.
73.5	8387.	67.6	7100.	73.5	5350.
79.4	7889.	73.5	6528.	76.5	5104.
82.3	7420.	76.5	6260.	79.4	4869.
85.3	6979.	79.4	6003.	85.3	4645.
91.2	6565.	82.3	5756.	91.2	4432.
97.1	6175.	85.3	5519.	100.0	4228.
100.0	5808.	88.2	5292.		
		94.1	5075.		
		100.0	4866.		

TABLE 15 (Continued)

FLOW DURATION DATA AT SUNSHINE FOR NATURAL CONDITIONS

WEEK= 7 (12 NOV-18 NOV)		WEEK= 8 (19 NOV-25 NOV)		WEEK= 9 (26 NOV- 2 DEC)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	10200.	0.0	7844.	0.0	7676.
2.9	8706.	2.9	7503.	2.9	7316.
5.9	8258.	11.8	7177.	5.9	6973.
8.8	7833.	14.7	6865.	14.7	6335.
14.7	7430.	17.6	6566.	20.6	6038.
23.5	7048.	26.5	6281.	32.3	5755.
32.3	6686.	35.3	6008.	47.1	5486.
47.1	6342.	50.0	5497.	50.0	5228.
50.0	6016.	55.9	5258.	52.9	4983.
61.8	5706.	64.7	5030.	61.8	4750.
67.6	5413.	67.6	4811.	64.7	4527.
73.5	5134.	76.5	4402.	67.6	4315.
79.4	4620.	79.4	4211.	79.4	4113.
82.3	4382.	85.3	4028.	82.3	3920.
88.2	4157.	88.2	3852.	91.2	3561.
91.2	3943.	94.1	3685.	94.1	3236.
100.0	3740.	97.1	3525.	100.0	3084.
		100.0	3372.		
WEEK=10 (3 DEC- 9 DEC)		WEEK=11 (10 DEC-16 DEC)		WEEK=12 (17 DEC-23 DEC)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	8155.	0.0	7119.	0.0	5828.
2.9	6531.	2.9	6114.	2.9	5583.
8.8	6179.	8.8	5811.	11.8	5349.
11.8	5845.	11.8	5524.	17.6	4910.
17.6	5529.	17.6	5250.	35.3	4704.
29.4	5231.	26.5	4990.	44.1	4507.
35.3	4948.	41.2	4744.	52.9	4318.
55.9	4681.	52.9	4509.	58.8	4137.
58.8	4189.	55.9	4286.	64.7	3963.
67.6	3963.	58.8	4074.	76.5	3797.
76.5	3749.	73.5	3872.	79.4	3638.
82.3	3546.	76.5	3680.	82.3	3199.
88.2	3355.	79.4	3498.	85.3	3065.
91.2	3174.	85.3	3325.	91.2	2937.
94.1	3002.	88.2	3161.	97.1	2695.
100.0	2840.	94.1	2856.	100.0	2582.
		100.0	2714.		

TABLE 15 (Continued)

FLOW DURATION DATA AT SUNSHINE FOR NATURAL CONDITIONS

WEEK=13 (24 DEC-30 DEC)		WEEK=14 (31 DEC- 6 JAN)		WEEK=15 (7 JAN-13 JAN)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	5735.	0.0	6521.	0.0	5448.
2.9	5486.	2.9	5256.	2.9	4974.
8.8	5248.	8.8	4981.	5.9	4753.
11.8	5021.	11.8	4719.	8.8	4541.
23.5	4803.	20.6	4472.	23.5	4339.
32.3	4595.	32.3	4237.	35.3	4146.
44.1	4396.	44.1	4015.	47.1	3785.
50.0	4205.	55.9	3804.	58.8	3617.
61.8	4023.	58.8	3605.	61.8	3456.
67.6	3848.	67.6	3416.	70.6	3302.
73.5	3682.	76.5	3237.	73.5	3155.
79.4	3369.	82.3	3067.	82.3	3014.
82.3	3083.	88.2	2906.	85.3	2880.
88.2	2950.	91.2	2754.	91.2	2752.
94.1	2822.	97.1	2472.	97.1	2401.
97.1	2582.	100.0	2343.	100.0	2294.
100.0	2471.				
WEEK=16 (14 JAN-20 JAN)		WEEK=17 (21 JAN-27 JAN)		WEEK=18 (28 JAN- 3 FEB)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	5029.	0.0	5077.	0.0	4626.
5.9	4605.	2.9	4854.	8.8	4263.
11.8	4407.	8.8	4436.	11.8	4092.
17.6	4217.	14.7	4241.	20.6	3771.
26.5	4036.	23.5	4054.	32.3	3620.
38.2	3862.	32.3	3876.	41.2	3475.
50.0	3537.	44.1	3705.	55.9	3336.
64.7	3385.	50.0	3542.	67.6	3202.
76.5	3099.	61.8	3386.	70.6	2951.
79.4	2966.	67.6	3237.	73.5	2833.
82.3	2838.	73.5	2958.	76.5	2719.
85.3	2716.	79.4	2828.	88.2	2610.
91.2	2599.	85.3	2704.	94.1	2506.
97.1	2278.	88.2	2585.	97.1	2217.
100.0	2180.	97.1	2258.	100.0	2128.
		100.0	2159.		

TABLE 15 (Continued)

FLOW DURATION DATA AT SUNSHINE FOR NATURAL CONDITIONS

WEEK=19 (4 FEB-10 FEB)		WEEK=20 (11 FEB-17 FEB)		WEEK=21 (18 FEB-24 FEB)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	4604.	0.0	4948.	0.0	4791.
5.9	4063.	2.9	4085.	2.9	4126.
11.8	3897.	8.8	3894.	5.9	3734.
14.7	3738.	11.8	3712.	14.7	3553.
23.5	3585.	14.7	3538.	20.6	3380.
29.4	3439.	23.5	3373.	35.3	3216.
44.1	3299.	38.2	3215.	41.2	3060.
52.9	3164.	50.0	3064.	55.9	2911.
58.8	3035.	64.7	2921.	67.6	2770.
67.6	2792.	67.6	2784.	70.6	2635.
70.6	2678.	76.5	2530.	76.5	2507.
79.4	2569.	88.2	2412.	82.3	2385.
91.2	2464.	94.1	2089.	91.2	2269.
94.1	2364.	100.0	1991.	94.1	2159.
97.1	2175.			97.1	1954.
100.0	2086.			100.0	1859.

WEEK=22 (25 FEB- 3 MAR)		WEEK=23 (4 MAR-10 MAR)		WEEK=24 (11 MAR-17 MAR)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	4190.	0.0	3980.	0.0	3944.
2.9	4013.	5.9	3644.	2.9	3574.
5.9	3682.	8.8	3487.	14.7	3402.
8.8	3526.	14.7	3337.	17.6	3238.
17.6	3377.	23.5	3193.	29.4	3083.
26.5	3235.	29.4	3055.	35.3	2934.
32.3	3098.	35.3	2923.	47.1	2793.
41.2	2967.	50.0	2797.	52.9	2659.
55.9	2842.	55.9	2676.	64.7	2531.
58.8	2722.	61.8	2561.	67.6	2410.
64.7	2607.	64.7	2451.	79.4	2294.
70.6	2497.	79.4	2345.	85.3	2183.
79.4	2392.	85.3	2244.	91.2	2078.
85.3	2291.	88.2	2147.	97.1	1625.
88.2	2194.	94.1	2054.	100.0	1546.
94.1	2101.	97.1	1800.		
97.1	1928.	100.0	1722.		
100.0	1846.				

TABLE 15 (Continued)

FLOW DURATION DATA AT SUNSHINE FOR NATURAL CONDITIONS

WEEK=25 (18 MAR-24 MAR)		WEEK=26 (25 MAR-31 MAR)		WEEK=27 (1 APR- 7 APR)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	4005.	0.0	3904.	0.0	4728.
5.9	3487.	5.9	3483.	2.9	4094.
8.8	3330.	11.8	3229.	5.9	3545.
17.6	3180.	26.5	3108.	11.8	3378.
29.4	3036.	32.3	2992.	29.4	3220.
32.3	2899.	41.2	2881.	38.2	3069.
47.1	2769.	47.1	2774.	47.1	2925.
52.9	2644.	55.9	2670.	52.9	2658.
61.8	2524.	58.8	2571.	55.9	2533.
73.5	2411.	67.6	2475.	73.5	2414.
76.5	2198.	73.5	2383.	76.5	2301.
88.2	2099.	76.5	2294.	85.3	2193.
94.1	1914.	79.4	2208.	91.2	2090.
97.1	1745.	88.2	2126.	97.1	1992.
100.0	1666.	91.2	2047.	100.0	1899.
		94.1	1971.		
		100.0	1897.		
WEEK=28 (8 APR-14 APR)		WEEK=29 (15 APR-21 APR)		WEEK=30 (22 APR-28 APR)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	4860.	0.0	5256.	0.0	6233.
2.9	4006.	2.9	4532.	2.9	5876.
5.9	3465.	5.9	4313.	11.8	5538.
23.5	3301.	8.8	3907.	17.6	5221.
35.3	3146.	26.5	3718.	29.4	4921.
41.2	2997.	38.2	3539.	35.3	4639.
50.0	2856.	47.1	3368.	38.2	4121.
55.9	2721.	52.9	3205.	47.1	3885.
58.8	2593.	61.8	3051.	50.0	3662.
76.5	2470.	73.5	2764.	58.8	3452.
88.2	2243.	76.5	2630.	64.7	3254.
94.1	2036.	88.2	2503.	73.5	3067.
100.0	1940.	94.1	2158.	82.3	2891.
		100.0	2054.	91.2	2569.
				94.1	2421.
				97.1	2151.
				100.0	2028.

TABLE 15 (Continued)

FLOW DURATION DATA AT SUNSHINE FOR NATURAL CONDITIONS

WEEK=31 (29 APR- 5 MAY)		WEEK=32 (6 MAY-12 MAY)		WEEK=33 (13 MAY-19 MAY)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	23843.	0.0	40755.	0.0	45489.
2.9	15551.	2.9	36036.	8.8	40607.
5.9	12559.	8.8	31864.	17.6	36248.
17.6	11287.	17.6	24913.	26.5	32357.
20.6	10143.	23.5	22028.	52.9	28884.
26.5	9115.	29.4	19478.	64.7	23016.
32.3	8192.	35.3	17223.	76.5	20546.
41.2	7362.	47.1	13466.	82.3	18340.
52.9	6616.	64.7	10528.	85.3	14614.
58.8	5946.	76.5	9309.	88.2	11645.
67.6	5343.	82.3	8231.	91.2	9280.
82.3	4802.	88.2	7278.	94.1	8284.
88.2	4315.	91.2	5691.	97.1	5892.
94.1	3878.	97.1	4449.	100.0	5260.
97.1	3485.	100.0	3934.		
100.0	3132.				
WEEK=34 (20 MAY-26 MAY)		WEEK=35 (27 MAY- 2 JUN)		WEEK=36 (3 JUN- 9 JUN)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	71234.	0.0	77794.	0.0	159551.
2.9	64487.	5.9	73102.	2.9	101187.
8.8	58380.	8.8	68692.	5.9	92378.
14.7	52850.	11.8	64549.	8.8	76994.
23.5	47845.	26.5	60656.	20.6	70291.
29.4	43313.	41.2	56997.	32.3	64172.
35.3	39211.	44.1	53559.	38.2	58586.
52.9	35497.	47.1	50329.	52.9	53486.
70.6	32135.	52.9	47293.	70.6	48830.
76.5	29091.	61.8	44441.	76.5	44579.
79.4	23841.	67.6	41760.	79.4	40698.
88.2	21583.	70.6	39241.	91.2	37155.
91.2	14496.	79.4	36875.	97.1	30968.
97.1	11880.	85.3	34650.	100.0	28272.
100.0	10755.	88.2	32560.		
		91.2	27017.		
		94.1	25387.		
		100.0	23856.		

TABLE 15 (Continued)

FLOW DURATION DATA AT SUNSHINE FOR NATURAL CONDITIONS

WEEK=37 (10 JUN-16 JUN)		WEEK=38 (17 JUN-23 JUN)		WEEK=39 (24 JUN-30 JUN)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	121442.	0.0	108645.	0.0	105830.
2.9	114165.	2.9	97626.	2.9	93013.
5.9	107325.	5.9	92543.	8.8	85342.
8.8	94849.	11.8	87725.	11.8	78304.
20.6	78801.	14.7	83157.	20.6	75006.
29.4	74079.	17.6	78828.	23.5	71847.
41.2	69641.	23.5	74724.	29.4	68820.
47.1	65468.	32.3	70833.	41.2	65922.
50.0	61545.	41.2	67145.	52.9	63145.
52.9	57858.	50.0	63649.	64.7	60485.
61.8	54391.	52.9	60335.	73.5	57938.
76.5	51132.	61.8	57194.	79.4	55497.
79.4	48068.	70.6	54216.	85.3	50921.
82.3	45188.	76.5	51393.	91.2	48776.
88.2	42481.	85.3	46181.	100.0	46721.
91.2	39935.	88.2	43776.		
100.0	37542.	94.1	41497.		
		100.0	39337.		
WEEK=40 (1 JUL- 7 JUL)		WEEK=41 (8 JUL-14 JUL)		WEEK=42 (15 JUL-21 JUL)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	79287.	0.0	115816.	0.0	97268.
2.9	76993.	2.9	95280.	11.8	77998.
5.9	74765.	5.9	82306.	23.5	74629.
11.8	70500.	11.8	78386.	29.4	71405.
17.6	68459.	17.6	74653.	38.2	68321.
23.5	66478.	32.3	71098.	44.1	65369.
29.4	64554.	35.3	67712.	61.8	62546.
44.1	62686.	44.1	64487.	67.6	59844.
50.0	60872.	47.1	61416.	76.5	57259.
58.8	59110.	64.7	58491.	79.4	54785.
64.7	57399.	76.5	55705.	82.3	52419.
76.5	55738.	88.2	53053.	91.2	47988.
79.4	54125.	94.1	50526.	97.1	43932.
85.3	52558.	97.1	48120.	100.0	42034.
91.2	49560.	100.0	45828.		
94.1	46733.				
100.0	45381.				

TABLE 15 (Continued)

FLOW DURATION DATA AT SUNSHINE FOR NATURAL CONDITIONS

WEEK=43 (22 JUL-28 JUL)		WEEK=44 (29 JUL- 4 AUG)		WEEK=45 (5 AUG-11 AUG)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	90572.	0.0	94330.	0.0	111405.
5.9	86867.	5.9	89942.	2.9	84361.
8.8	79907.	8.8	77966.	5.9	79797.
11.8	76639.	20.6	74339.	8.8	75481.
17.6	73504.	32.3	70881.	11.8	71397.
29.4	70498.	35.3	67584.	20.6	67535.
38.2	67614.	44.1	64441.	29.4	63882.
41.2	64849.	50.0	61443.	47.1	60426.
52.9	62196.	73.5	58585.	55.9	57157.
61.8	59653.	85.3	55860.	70.6	54066.
70.6	57213.	88.2	53262.	85.3	51141.
76.5	52628.	91.2	48422.	94.1	48374.
85.3	50476.	94.1	46170.	97.1	40941.
91.2	48411.	97.1	40022.	100.0	38726.
94.1	46431.	100.0	38161.		
97.1	42711.				
100.0	40964.				
WEEK=46 (12 AUG-18 AUG)		WEEK=47 (19 AUG-25 AUG)		WEEK=48 (26 AUG- 1 SEP)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	134290.	0.0	111110.	0.0	87724.
2.9	109983.	2.9	90813.	2.9	67260.
5.9	90076.	5.9	82101.	5.9	61561.
11.8	81518.	8.8	74224.	11.8	56344.
14.7	73772.	14.7	67103.	26.5	51570.
17.6	66763.	20.6	60665.	35.3	47200.
32.3	60419.	35.3	54845.	50.0	43200.
41.2	54678.	55.9	49583.	64.7	39540.
67.6	49483.	70.6	44826.	73.5	36189.
82.3	44781.	85.3	40526.	88.2	33123.
94.1	40527.	94.1	36638.	97.1	17822.
97.1	22263.	97.1	18085.	100.0	16312.
100.0	20148.	100.0	16350.		

TABLE 15 (Continued)

FLOW DURATION DATA AT SUNSHINE FOR NATURAL CONDITIONS

WEEK=49		WEEK=50	
(2 SEP- 8 SEP)		(9 SEP-15 SEP)	
PERCENT	DISCHARGE	PERCENT	DISCHARGE
(%)	(CFS)	(%)	(CFS)
0.0	60065.	0.0	56593.
8.8	56391.	5.0	52854.
11.8	52941.	11.8	49362.
17.6	49702.	14.7	46100.
20.6	46662.	23.5	43055.
32.3	43807.	32.3	40210.
35.3	38611.	38.2	37554.
47.1	36249.	41.2	35072.
61.8	34031.	58.8	32755.
73.5	31950.	67.6	30591.
79.4	29995.	73.5	28570.
82.3	28160.	76.5	26682.
88.2	26437.	82.3	24920.
91.2	24820.	88.2	23273.
94.1	23302.	94.1	20300.
97.1	19281.	97.1	16536.
100.0	18102.	100.0	15444.

WEEK=51		WEEK=52		
(16 SEP-22 SEP)		(23 SEP-30 SEP)		
PERCENT	DISCHARGE	PERCENT	DISCHARGE ^{1/}	DISCHARGE ^{2/}
(%)	(CFS)	(%)	(CFS)	(CFS)
0.0	76233.	0.0	79129.	69238.
2.9	52508.	2.9	48651.	42570.
8.8	43578.	8.8	44141.	38623.
17.6	39700.	11.8	40049.	35043.
20.6	36167.	23.5	36337.	31795.
35.3	32948.	32.3	32968.	28847.
47.1	30016.	38.2	29912.	26173.
55.9	27345.	47.1	27139.	23747.
67.6	24911.	64.7	24623.	21545.
76.5	22694.	79.4	22341.	19548.
91.2	18835.	85.3	18391.	16092.
97.1	14240.	91.2	15139.	13247.
100.0	12973.	94.1	13736.	12019.
		100.0	12463.	10905.

^{1/} The values in this column represent the total flow between Sept. 23 and 30, divided by 7.

^{2/} The flows in this column represent the mean flow for the 8 day period, Sept. 23 to 30.

TABLE 16

**Flow Duration Data at
Susitna Station for Natural Conditions**

TABLE 16

FLOW DURATION DATA AT SUSITNA STATION FOR NATURAL CONDITIONS

WEEK= 1 (1 OCT- 7 OCT)		WEEK= 2 (8 OCT-14 OCT)		WEEK= 3 (15 OCT-21 OCT)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	67587.	0.0	83984.	0.0	55970.
11.8	58979.	2.9	69507.	11.8	44547.
17.6	55096.	5.9	57526.	14.7	41284.
23.5	51468.	8.8	52333.	17.6	38259.
26.5	48079.	17.6	47610.	20.6	35456.
35.3	44913.	26.5	43312.	29.4	32858.
47.1	41956.	35.3	39403.	50.0	30451.
50.0	39193.	50.0	35846.	70.6	24236.
52.9	36612.	64.7	32611.	82.3	22460.
55.9	34202.	73.5	29667.	91.2	19290.
58.8	31950.	82.3	26989.	94.1	17877.
76.5	29846.	88.2	24553.	97.1	14228.
85.3	27881.	91.2	22337.	100.0	13186.
88.2	26045.	94.1	15300.		
94.1	22728.	100.0	13919.		
97.1	19833.				
100.0	18527.				
WEEK= 4 (22 OCT-28 OCT)		WEEK= 5 (29 OCT- 4 NOV)		WEEK= 6 (5 NOV-11 NOV)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	48305.	0.0	39253.	0.0	38868.
2.9	44520.	2.9	33509.	2.9	30185.
8.8	41030.	5.9	30960.	5.9	25502.
14.7	37815.	8.8	28604.	8.8	23441.
17.6	34851.	11.8	26429.	17.6	21547.
20.6	32120.	23.5	24418.	26.5	19805.
26.5	29602.	29.4	22561.	47.1	18204.
32.3	27282.	41.2	20845.	50.0	16733.
44.1	25144.	47.1	19259.	61.8	15381.
55.9	23174.	61.8	17794.	70.6	14137.
73.5	21357.	67.6	16440.	79.4	12995.
79.4	18141.	76.5	15190.	88.2	11944.
91.2	16719.	82.3	14034.	91.2	10979.
94.1	14201.	88.2	12967.	94.1	9276.
97.1	11117.	94.1	11980.	97.1	8526.
100.0	10246.	97.1	9449.	100.0	7837.
		100.0	8730.		

TABLE 16 (Continued)

FLOW DURATION DATA AT SUSITNA STATION FOR NATURAL CONDITIONS

WEEK= 7 (12 NOV-18 NOV)		WEEK= 8 (19 NOV-25 NOV)		WEEK= 9 (26 NOV- 2 DEC)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	36966.	0.0	22308.	0.0	20191.
2.9	22904.	2.9	17798.	5.9	17898.
5.9	21148.	8.8	16821.	8.8	16851.
8.8	19526.	17.6	15024.	11.8	15865.
23.5	18029.	23.5	14199.	17.6	14937.
29.4	15370.	35.3	13420.	20.6	14063.
38.2	14192.	44.1	12683.	29.4	13240.
61.8	13103.	47.1	11986.	44.1	12465.
67.6	12099.	52.9	11328.	52.9	11736.
73.5	11171.	64.7	10706.	55.9	11050.
79.4	10314.	73.5	10118.	67.6	10403.
88.2	9523.	79.4	9563.	76.5	9221.
97.1	8793.	82.3	9038.	79.4	8682.
100.0	8119.	91.2	8073.	88.2	8174.
		100.0	7629.	94.1	7696.
				97.1	6822.
				100.0	6423.
WEEK=10 (3 DEC- 9 DEC)		WEEK=11 (10 DEC-16 DEC)		WEEK=12 (17 DEC-23 DEC)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	17374.	0.0	15301.	0.0	13199.
2.9	14582.	2.9	13797.	2.9	12599.
8.8	12975.	5.9	12440.	5.9	11480.
11.8	12239.	11.8	11813.	14.7	10958.
20.6	11544.	14.7	11217.	17.6	9985.
29.4	10890.	23.5	10651.	26.5	9531.
44.1	10272.	29.4	10114.	38.2	9098.
50.0	9689.	35.3	9604.	52.9	8685.
55.9	9140.	58.8	9120.	67.6	8290.
64.7	8621.	64.7	8660.	73.5	7913.
73.5	8132.	67.6	8223.	76.5	7554.
79.4	7671.	70.6	7808.	82.3	6883.
85.3	6825.	76.5	7415.	85.3	6570.
94.1	6073.	85.3	7041.	88.2	6271.
100.0	5728.	88.2	6686.	91.2	5986.
		91.2	6028.	94.1	5714.
		100.0	5724.	100.0	5455.

TABLE 16 (Continued)

FLOW DURATION DATA AT SUSITNA STATION FOR NATURAL CONDITIONS

WEEK=13 (24 DEC-30 DEC)		WEEK=14 (31 DEC- 6 JAN)		WEEK=15 (7 JAN-13 JAN)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	12083.	0.0	11583.	0.0	10439.
5.9	11105.	5.9	10292.	2.9	10145.
8.8	10645.	11.8	9894.	5.9	9581.
11.8	10205.	17.6	9512.	8.8	9311.
17.6	9783.	38.2	9145.	20.6	9049.
20.6	9379.	47.1	8792.	23.5	8794.
32.3	8991.	50.0	8452.	32.3	8546.
50.0	8619.	52.9	8126.	47.1	8305.
58.8	8263.	64.7	7812.	61.8	8071.
70.6	7921.	73.5	7510.	67.6	7843.
73.5	7594.	79.4	7220.	70.6	7622.
76.5	7280.	85.3	6941.	82.3	7408.
85.3	6979.	91.2	6416.	85.3	7199.
88.2	6690.	97.1	5701.	91.2	6799.
91.2	6148.	100.0	5481.	94.1	6607.
97.1	5650.			97.1	6240.
100.0	5417.			100.0	6064.
WEEK=16 (14 JAN-20 JAN)		WEEK=17 (21 JAN-27 JAN)		WEEK=18 (28 JAN- 3 FEB)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	9939.	0.0	9510.	0.0	9939.
2.9	9730.	5.9	8932.	2.9	9461.
5.9	9128.	11.8	8566.	5.9	9231.
8.8	8935.	29.4	8389.	8.8	9006.
11.8	8747.	35.3	8216.	11.8	8787.
20.6	8563.	47.1	8046.	14.7	8573.
26.5	8382.	58.8	7879.	20.6	8364.
41.2	8206.	64.7	7716.	26.5	8161.
55.9	8033.	67.6	7557.	44.1	7768.
67.6	7864.	73.5	7401.	50.0	7579.
70.6	7698.	82.3	7098.	58.8	7394.
76.5	7536.	88.2	6807.	73.5	7214.
79.4	7377.	97.1	6529.	76.5	7039.
85.3	7070.	100.0	6394.	82.3	6867.
94.1	6921.			91.2	6700.
97.1	6775.			94.1	6378.
100.0	6632.			100.0	6223.

TABLE 16 (Continued)

FLOW DURATION DATA AT SUSITNA STATION FOR NATURAL CONDITIONS

WEEK=19 (4 FEB-10 FEB)		WEEK=20 (11 FEB-17 FEB)		WEEK=21 (18 FEB-24 FEB)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	9366.	0.0	9601.	0.0	9910.
5.9	9149.	2.9	9070.	2.9	9290.
14.7	8936.	8.8	8816.	5.9	8995.
17.6	8729.	14.7	8569.	11.8	8709.
20.6	8526.	17.6	8329.	14.7	8432.
23.5	8328.	26.5	8095.	23.5	8164.
26.5	8135.	32.3	7868.	26.5	7905.
35.3	7946.	38.2	7648.	32.3	7654.
38.2	7762.	44.1	7434.	38.2	7411.
47.1	7581.	47.1	7225.	44.1	7175.
58.8	7405.	58.8	7023.	47.1	6947.
61.8	7233.	61.8	6826.	55.9	6726.
64.7	7065.	73.5	6635.	67.6	6513.
76.5	6901.	85.3	6449.	82.3	6306.
82.3	6741.	91.2	6092.	85.3	6105.
94.1	6136.	97.1	5756.	94.1	5911.
100.0	5994.	100.0	5594.	97.1	5542.
				100.0	5366.
WEEK=22 (25 FEB- 3 MAR)		WEEK=23 (4 MAR-10 MAR)		WEEK=24 (11 MAR-17 MAR)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	9238.	0.0	9003.	0.0	9138.
5.9	8960.	5.9	8478.	2.9	8077.
8.8	8429.	8.8	8227.	5.9	7831.
11.8	8176.	11.8	7748.	8.8	7363.
17.6	7930.	17.6	7296.	14.7	7139.
20.6	7691.	20.6	7081.	26.5	6922.
23.5	7460.	35.3	6871.	29.4	6712.
29.4	7236.	38.2	6668.	38.2	6508.
35.3	7018.	47.1	6471.	44.1	6310.
38.2	6807.	55.9	6279.	55.9	6118.
50.0	6602.	64.7	6093.	67.6	5932.
58.8	6403.	73.5	5913.	73.5	5752.
70.6	6211.	82.3	5738.	76.5	5577.
82.3	6024.	88.2	5569.	79.4	5408.
94.1	5331.	91.2	5404.	88.2	5243.
100.0	5171.	94.1	5244.	100.0	5084.
		100.0	5089.		

TABLE 16 (Continued)

FLOW DURATION DATA AT SUSITNA STATION FOR NATURAL CONDITIONS

WEEK=25 (18 MAR-24 MAR)		WEEK=26 (25 MAR-31 MAR)		WEEK=27 (1 APR- 7 APR)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	8709.	0.0	8995.	0.0	9639.
2.9	8440.	2.9	8152.	2.9	8944.
5.9	7683.	8.8	7889.	5.9	7702.
11.8	7217.	11.8	7635.	8.8	7419.
17.6	6994.	14.7	7150.	17.6	6885.
20.6	6779.	23.5	6919.	26.5	6632.
29.4	6570.	26.5	6696.	38.2	6389.
35.3	6367.	44.1	6271.	41.2	6154.
38.2	6171.	50.0	6069.	55.9	5929.
58.8	5796.	55.9	5873.	64.7	5711.
70.6	5617.	67.6	5500.	76.5	5501.
76.5	5444.	79.4	5323.	79.4	5300.
82.3	5276.	82.3	5151.	91.2	5105.
91.2	5114.	91.2	4985.	97.1	4918.
97.1	4956.	100.0	4824.	100.0	4737.
100.0	4803.				
WEEK=28 (8 APR-14 APR)		WEEK=29 (15 APR-21 APR)		WEEK=30 (22 APR-28 APR)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	10367.	0.0	12012.	0.0	17867.
2.9	8181.	2.9	10700.	2.9	14610.
14.7	7442.	5.9	9531.	5.9	13662.
17.6	7098.	11.8	8996.	8.8	12775.
23.5	6770.	14.7	8490.	14.7	11946.
38.2	6456.	23.5	8013.	20.6	10446.
50.0	6158.	29.4	7563.	29.4	9768.
52.9	5873.	32.3	7138.	35.3	9134.
55.9	5601.	47.1	6737.	41.2	8542.
76.5	5342.	55.9	6358.	44.1	7987.
85.3	5095.	64.7	6001.	58.8	7469.
91.2	4859.	76.5	5664.	61.8	6984.
97.1	4420.	82.3	5345.	76.5	6531.
100.0	4216.	88.2	5045.	85.3	6107.
		94.1	4761.	91.2	5711.
		97.1	4241.	94.1	5341.
		100.0	4003.	100.0	4994.

TABLE 16 (Continued)

FLOW DURATION DATA AT SUSITNA STATION FOR NATURAL CONDITIONS

WEEK=31 (29 APR- 5 MAY)		WEEK=32 (6 MAY-12 MAY)		WEEK=33 (13 MAY-19 MAY)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	46189.	0.0	98184.	0.0	92950.
5.9	40519.	2.9	87137.	8.8	87595.
8.8	35546.	11.8	77334.	14.7	82548.
17.6	31183.	14.7	68633.	23.5	77791.
23.5	27355.	26.5	60911.	26.5	69085.
29.4	23997.	32.3	54058.	38.2	65105.
41.2	21052.	35.3	47976.	44.1	61354.
47.1	16201.	50.0	42578.	52.9	57818.
52.9	14212.	52.9	33536.	70.6	54487.
58.8	12468.	55.9	29763.	76.5	51348.
61.8	10937.	64.7	26414.	79.4	42974.
73.5	9595.	67.6	23442.	82.3	40498.
76.5	8417.	70.6	20805.	88.2	35965.
82.3	7384.	76.5	18464.	91.2	33893.
85.3	6477.	82.3	16387.	97.1	31940.
94.1	5682.	91.2	14543.	100.0	30100.
97.1	4373.	94.1	11455.		
100.0	3836.	100.0	10166.		

WEEK=34 (20 MAY-26 MAY)		WEEK=35 (27 MAY- 2 JUN)		WEEK=36 (3 JUN- 9 JUN)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	98572.	0.0	128642.	0.0	158302.
5.9	94532.	5.9	121860.	2.9	150919.
8.8	90657.	11.8	115436.	5.9	143881.
14.7	86941.	23.5	109351.	17.6	130774.
20.6	83378.	35.3	98126.	23.5	118860.
29.4	79961.	44.1	88053.	29.4	113317.
41.2	76683.	55.9	83411.	41.2	108032.
50.0	73540.	58.8	79014.	52.9	102994.
55.9	70526.	64.7	74848.	64.7	98191.
64.7	67636.	70.6	70903.	73.5	93612.
67.6	64863.	79.4	67165.	79.4	85084.
82.3	62205.	82.3	63624.	85.3	81116.
85.3	59655.	94.1	57093.	88.2	77333.
88.2	57210.	97.1	48531.	94.1	70288.
91.2	48392.	100.0	45973.	97.1	67010.
97.1	46409.			100.0	63885.
100.0	44506.				

TABLE 16 (Continued)

FLOW DURATION DATA AT SUSITNA STATION FOR NATURAL CONDITIONS

WEEK=37 (10 JUN-16 JUN)		WEEK=38 (17 JUN-23 JUN)		WEEK=39 (24 JUN-30 JUN)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	173173.	0.0	172459.	0.0	182317.
8.8	147765.	2.9	151505.	2.9	170462.
11.8	132932.	8.8	145102.	5.9	149015.
17.6	126084.	11.8	138970.	11.8	144089.
20.6	119588.	20.6	133097.	14.7	139326.
38.2	113428.	26.5	127472.	23.5	134720.
50.0	107584.	32.3	122085.	32.3	130267.
55.9	96785.	44.1	116925.	41.2	125960.
67.6	91799.	50.0	111984.	55.9	121796.
76.5	87070.	58.8	107251.	64.7	117770.
82.3	82584.	70.6	102719.	76.5	113877.
85.3	78330.	79.4	98378.	91.2	102953.
94.1	66837.	82.3	94220.	94.1	99549.
100.0	63394.	88.2	86425.	100.0	96259.
		94.1	79274.		
		100.0	75924.		
WEEK=40 (1 JUL- 7 JUL)		WEEK=41 (8 JUL-14 JUL)		WEEK=42 (15 JUL-21 JUL)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	161560.	0.0	190047.	0.0	190762.
5.9	152360.	2.9	169214.	5.9	183032.
14.7	143685.	5.9	162791.	8.8	168500.
20.6	139534.	14.7	156611.	11.8	161672.
26.5	131589.	23.5	150665.	17.6	155121.
35.3	127788.	32.3	144946.	26.5	142805.
44.1	124096.	38.2	139443.	35.3	137019.
47.1	120511.	41.2	134149.	38.2	131467.
55.9	117030.	44.1	129057.	50.0	126140.
64.7	113649.	50.0	124157.	58.8	121028.
70.6	110366.	64.7	119444.	76.5	116124.
73.5	107178.	70.6	114910.	79.4	111419.
76.5	104082.	76.5	110547.	85.3	102572.
91.2	98155.	85.3	106351.	88.2	98416.
94.1	95320.	94.1	102313.	91.2	94428.
100.0	92566.	97.1	94693.	94.1	90602.
		100.0	91098.	100.0	86931.

TABLE 16 (Continued)

FLOW DURATION DATA AT SUSITNA STATION FOR NATURAL CONDITIONS

WEEK=43 (22 JUL-28 JUL)		WEEK=44 (29 JUL- 4 AUG)		WEEK=45 (5 AUG-11 AUG)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	180859.	0.0	199200.	0.0	176896.
5.9	173786.	2.9	176021.	2.9	166021.
11.8	160457.	5.9	168910.	5.9	155813.
17.6	154182.	8.8	162087.	8.8	150948.
23.5	142357.	11.8	149256.	11.8	146234.
29.4	136789.	14.7	143227.	14.7	141667.
32.3	131439.	17.6	137441.	20.6	137243.
41.2	126299.	29.4	131889.	32.3	132958.
44.1	121359.	35.3	126561.	35.3	124783.
55.9	116613.	52.9	121449.	44.1	120887.
61.8	112052.	55.9	116542.	61.8	117112.
67.6	107669.	67.6	111835.	67.6	113454.
76.5	103458.	79.4	107317.	73.5	109911.
82.3	99412.	85.3	102982.	82.3	106479.
88.2	95524.	91.2	98822.	88.2	103154.
91.2	91788.	94.1	94830.	91.2	99933.
97.1	88198.	100.0	90999.	100.0	96812.
100.0	84748.				
WEEK=46 (12 AUG-18 AUG)		WEEK=47 (19 AUG-25 AUG)		WEEK=48 (26 AUG- 1 SEP)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	206921.	0.0	134729.	0.0	115687.
2.9	196194.	11.8	128555.	2.9	111092.
5.9	158564.	14.7	122663.	8.8	106680.
8.8	150344.	17.6	111679.	11.8	102443.
11.8	142550.	38.2	106561.	14.7	98374.
17.6	135159.	44.1	101677.	17.6	94466.
29.4	128152.	61.8	97018.	26.5	90714.
35.3	121508.	70.6	92572.	35.3	87111.
44.1	115209.	76.5	88329.	55.9	83652.
52.9	109236.	82.3	84282.	64.7	80329.
64.7	103573.	91.2	80419.	67.6	77139.
82.3	98204.	94.1	76734.	70.6	74075.
85.3	93112.	97.1	57910.	73.5	71133.
91.2	79368.	100.0	55256.	79.4	68307.
100.0	75254.			91.2	65594.
				94.1	62989.
				97.1	55778.
				100.0	53562.

TABLE 16 (Continued)

FLOW DURATION DATA AT SUSITNA STATION FOR NATURAL CONDITIONS

WEEK=49 (2 SEP- 8 SEP)		WEEK=50 (9 SEP-15 SEP)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	100655.	0.0	101944.
5.9	96169.	8.8	96824.
8.8	91883.	14.7	91962.
11.8	87788.	20.6	87343.
20.6	83875.	26.5	82957.
26.5	76566.	29.4	78791.
44.1	73153.	35.3	74834.
50.0	69893.	44.1	71076.
58.8	66778.	50.0	67506.
67.6	63802.	58.8	64116.
73.5	60959.	64.7	57838.
79.4	55646.	76.5	54933.
82.3	53166.	79.4	52175.
85.3	48533.	82.3	47066.
91.2	46370.	85.3	44702.
94.1	44303.	88.2	40325.
100.0	42329.	100.0	38300.

WEEK=51 (16 SEP-22 SEP)		WEEK=52 (23 SEP-30 SEP)		
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE ^{1/} (CFS)	DISCHARGE ^{2/} (CFS)
0.0	174746.	0.0	116180.	101658.
2.9	147415.	5.9	107880.	94395.
8.8	114220.	20.6	100172.	87651.
11.8	104908.	23.5	93015.	81388.
14.7	96356.	32.3	86369.	75573.
26.5	88500.	35.3	80199.	70174.
32.3	81285.	38.2	74469.	65160.
41.2	74658.	41.2	69148.	60505.
44.1	68572.	47.1	64208.	56182.
52.9	62981.	52.9	59620.	52168.
67.6	57847.	61.8	55361.	48441.
73.5	53131.	64.7	51405.	44979.
79.4	44821.	73.5	47733.	41766.
88.2	41167.	76.5	44322.	38782.
91.2	37811.	82.3	41156.	36012.
100.0	34728.	88.2	38215.	33438.
		91.2	35485.	31049.
		94.1	30596.	26772.
		100.0	28410.	24859.

^{1/} The values in this column represent the total flow between Sept. 23 and 30, divided by 7.

^{2/} The flows in this column represent the mean flow for the 8 day period, Sept. 23 to 30.

TABLE 17

**Flow Duration Data at
Gold Creek for 1996 Load Conditions**

TABLE 17

FLOW DURATION DATA AT GOLD CREEK FOR 1996 LOAD CONDITIONS

WEEK= 1 (1 OCT- 7 OCT)		WEEK= 2 (8 OCT-14 OCT)		WEEK= 3 (15 OCT-21 OCT)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	15101.	0.0	13218.	0.0	12076.
2.9	13588.	23.5	12612.	5.9	11560.
11.8	12889.	29.4	11482.	14.7	11067.
20.6	12226.	41.2	10956.	23.5	10594.
29.4	11597.	52.9	10453.	26.5	10142.
32.3	11001.	58.8	9974.	35.3	9709.
41.2	10435.	61.8	9517.	38.2	9294.
44.1	9898.	64.7	8664.	44.1	8898.
55.9	9389.	73.5	7888.	50.0	8518.
61.8	8906.	76.5	5952.	58.8	8154.
67.6	8448.	88.2	5679.	67.6	7806.
70.6	6840.	100.0	5419.	70.6	7473.
73.5	6154.			73.5	7154.
76.5	5838.			79.4	5751.
100.0	5537.			88.2	5506.
				100.0	5271.

WEEK= 4 (22 OCT-28 OCT)		WEEK= 5 (29 OCT- 4 NOV)		WEEK= 6 (5 NOV-11 NOV)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	12543.	0.0	10705.	0.0	10323.
2.9	11415.	2.9	10335.	11.8	9985.
5.9	10388.	8.8	9978.	14.7	9659.
8.8	9910.	17.6	9300.	17.6	9342.
11.8	9454.	20.6	8979.	23.5	9037.
23.5	9019.	44.1	8669.	38.2	8741.
29.4	8604.	50.0	8369.	50.0	8455.
50.0	8208.	64.7	8080.	64.7	8178.
55.9	7830.	70.6	7801.	70.6	7910.
61.8	7470.	76.5	7020.	76.5	7401.
73.5	7126.	79.4	6099.	79.4	6061.
76.5	6485.	82.3	5888.	82.3	5863.
79.4	5630.	91.2	5685.	91.2	5671.
88.2	5371.	100.0	5489.	100.0	5486.
100.0	5124.				

TABLE 17 (Continued)

FLOW DURATION DATA AT GOLD CREEK FOR 1996 LOAD CONDITIONS

WEEK= 7 (12 NOV-18 NOV)		WEEK= 8 (19 NOV-25 NOV)		WEEK= 9 (26 NOV- 2 DEC)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	12312.	0.0	12493.	0.0	12375.
2.9	11307.	20.6	11963.	23.5	11804.
8.8	10836.	38.2	11455.	47.1	11259.
23.5	10384.	52.9	10969.	73.5	10739.
44.1	9951.	73.5	10504.	79.4	8479.
61.8	9536.	79.4	5979.	82.3	5541.
73.5	9139.	85.3	5725.	88.2	5285.
79.4	5970.	100.0	5483.	100.0	5041.
85.3	5721.				
100.0	5483.				

WEEK=10 (3 DEC- 9 DEC)		WEEK=11 (10 DEC-16 DEC)		WEEK=12 (17 DEC-23 DEC)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	12541.	0.0	12490.	0.0	12396.
11.8	11953.	5.9	11923.	2.9	11837.
35.3	11393.	29.4	11383.	29.4	11303.
58.8	10859.	52.9	10867.	58.8	10793.
76.5	10350.	76.5	10374.	82.3	10305.
82.3	9865.	85.3	9455.	91.2	5654.
85.3	5547.	88.2	8617.	94.1	5398.
91.2	5287.	91.2	5418.	100.0	5155.
100.0	5039.	100.0	5173.		

TABLE 17 (Continued)

FLOW DURATION DATA AT GOLD CREEK FOR 1996 LOAD CONDITIONS

WEEK=13 (24 DEC-30 DEC)		WEEK=14 (31 DEC- 6 JAN)		WEEK=15 (7 JAN-13 JAN)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	12374.	0.0	11549.	0.0	10192.
2.9	11837.	5.9	11156.	14.7	9910.
20.6	11323.	17.6	10777.	32.3	9636.
50.0	10831.	35.3	10411.	47.1	9369.
76.5	10361.	55.9	10058.	61.8	9109.
94.1	5565.	73.5	9716.	73.5	8857.
100.0	5324.	91.2	9386.	91.2	8612.
		94.1	6200.	94.1	6323.
		100.0	5989.	97.1	6148.
				100.0	5978.
WEEK=16 (14 JAN-20 JAN)		WEEK=17 (21 JAN-27 JAN)		WEEK=18 (28 JAN- 3 FEB)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	10263.	0.0	9848.	0.0	9453.
11.8	9975.	8.8	9592.	11.8	9188.
20.6	9695.	11.8	9342.	17.6	8931.
41.2	9423.	23.5	9099.	35.3	8680.
61.8	9158.	47.1	8862.	58.8	8437.
67.6	8901.	64.7	8631.	70.6	8201.
88.2	8651.	73.5	8407.	88.2	7971.
94.1	6324.	88.2	8188.	94.1	5830.
97.1	6147.	94.1	6290.	97.1	5666.
100.0	5974.	97.1	6126.	100.0	5507.
		100.0	5967.		

TABLE 17 (Continued)

FLOW DURATION DATA AT GOLD CREEK FOR 1996 LOAD CONDITIONS

WEEK=19 (4 FEB-10 FEB)		WEEK=20 (11 FEB-17 FEB)		WEEK=21 (18 FEB-24 FEB)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	10206.	0.0	8945.	0.0	9656.
5.9	9881.	11.8	8720.	8.8	9377.
17.6	9566.	20.6	8501.	20.6	9106.
41.2	9261.	47.1	8288.	50.0	8844.
61.8	8966.	61.8	8080.	61.8	8588.
79.4	8680.	67.6	7877.	85.3	8341.
94.1	5885.	85.3	7679.	94.1	5869.
97.1	5697.	94.1	5955.	97.1	5700.
100.0	5515.	97.1	5660.	100.0	5535.
		100.0	5517.		

WEEK=22 (25 FEB- 3 MAR)		WEEK=23 (4 MAR-10 MAR)		WEEK=24 (11 MAR-17 MAR)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	9749.	0.0	9692.	0.0	8802.
8.8	9412.	11.8	9359.	11.8	8543.
38.2	9086.	35.3	9039.	29.4	8292.
61.8	8772.	64.7	8729.	47.1	8049.
94.1	7356.	97.1	5172.	67.6	7812.
97.1	5174.	100.0	4995.	94.1	7583.
100.0	4995.			97.1	5146.
				100.0	4995.

TABLE 17 (Continued)

FLOW DURATION DATA AT GOLD CREEK FOR 1996 LOAD CONDITIONS

WEEK=25 (18 MAR-24 MAR)		WEEK=26 (25 MAR-31 MAR)		WEEK=27 (1 APR- 7 APR)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	10827.	0.0	10898.	0.0	10133.
17.6	10395.	5.9	10460.	2.9	9763.
52.9	9980.	32.3	10039.	5.9	9406.
94.1	9582.	61.8	9635.	20.6	9062.
97.1	5203.	97.1	5204.	50.0	8731.
100.0	4995.	100.0	4995.	82.3	8412.
				97.1	5184.
				100.0	4995.
WEEK=28 (8 APR-14 APR)		WEEK=29 (15 APR-21 APR)		WEEK=30 (22 APR-28 APR)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	8067.	0.0	5073.	0.0	5110.
2.9	7481.	2.9	5051.	2.9	5092.
8.8	7296.	5.9	5004.	5.9	5073.
20.6	7115.	100.0	4995.	8.8	5049.
35.3	6938.			11.8	5037.
41.2	6766.			14.7	5031.
58.8	6598.			17.6	5001.
82.3	6435.			100.0	4995.
94.1	6275.				
97.1	5132.				
100.0	5005.				

TABLE 17 (Continued)

FLOW DURATION DATA AT GOLD CREEK FOR 1996 LOAD CONDITIONS

WEEK=31 (29 APR- 5 MAY)		WEEK=32 (6 MAY-12 MAY)		WEEK=33 (13 MAY-19 MAY)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	6649.	0.0	7640.	0.0	7860.
2.9	6027.	2.9	7543.	2.9	7639.
100.0	5994.	5.9	7167.	8.8	7531.
		8.8	7076.	17.6	7424.
		11.8	6639.	23.5	7319.
		14.7	6471.	26.5	7215.
		20.6	6389.	29.4	7113.
		23.5	6308.	32.3	7012.
		26.5	6228.	35.3	6815.
		29.4	6071.	47.1	6623.
		100.0	5994.	52.9	6530.
				58.8	6437.
				67.6	6346.
				70.6	6256.
				73.5	6167.
				76.5	6080.
				100.0	5994.
WEEK=34 (20 MAY-26 MAY)		WEEK=35 (27 MAY- 2 JUN)		WEEK=36 (3 JUN- 9 JUN)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	13911.	0.0	14494.	0.0	15059.
2.9	9759.	2.9	9107.	2.9	13021.
8.8	9336.	5.9	8693.	5.9	12404.
14.7	8931.	8.8	8298.	8.8	11258.
20.6	8544.	20.6	7922.	14.7	10725.
23.5	8174.	32.3	7562.	17.6	9734.
32.3	7820.	35.3	7218.	20.6	9273.
47.1	7481.	41.2	6891.	23.5	8834.
55.9	7156.	55.9	6578.	26.5	8416.
67.6	6846.	70.6	6279.	29.4	8018.
76.5	6549.	100.0	5994.	35.3	7638.
85.3	6266.			50.0	7277.
100.0	5994.			64.7	6932.
				67.6	6604.
				76.5	6292.
				100.0	5994.

TABLE 17 (Continued)

FLOW DURATION DATA AT GOLD CREEK FOR 1996 LOAD CONDITIONS

WEEK=37 (10 JUN-16 JUN)		WEEK=38 (17 JUN-23 JUN)		WEEK=39 (24 JUN-30 JUN)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	16675.	0.0	15131.	0.0	12685.
2.9	15801.	2.9	14411.	8.8	12194.
5.9	14972.	5.9	13726.	14.7	11722.
11.8	14187.	17.6	13073.	29.4	11269.
14.7	13444.	20.6	12451.	35.3	10011.
17.6	12071.	26.5	11859.	38.2	9624.
20.6	11438.	29.4	10757.	41.2	8549.
23.5	10838.	32.3	10246.	50.0	8219.
29.4	9222.	35.3	9294.	52.9	7595.
35.3	8738.	38.2	8852.	58.8	7301.
50.0	7846.	47.1	8431.	67.6	7019.
55.9	7435.	50.0	7648.	70.6	6747.
58.8	7045.	55.9	7284.	76.5	6486.
67.6	6676.	58.8	6938.	82.3	6235.
76.5	6326.	70.6	6608.	100.0	5994.
100.0	5994.	79.4	6293.		
		100.0	5994.		
WEEK=40 (1 JUL- 7 JUL)		WEEK=41 (8 JUL-14 JUL)		WEEK=42 (15 JUL-21 JUL)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	14276.	0.0	15598.	0.0	15699.
11.8	13660.	2.9	14903.	5.9	14953.
23.5	13071.	5.9	14239.	8.8	14242.
29.4	10484.	14.7	13605.	23.5	13565.
32.3	9598.	29.4	12999.	38.2	12920.
38.2	8788.	35.3	10834.	44.1	11721.
41.2	8409.	38.2	8243.	47.1	10128.
47.1	8046.	44.1	7875.	50.0	8752.
58.8	7699.	58.8	7525.	55.9	7940.
67.6	7366.	73.5	7190.	61.8	7562.
79.4	7049.	88.2	6869.	70.6	7203.
91.2	6744.	100.0	6563.	82.3	6860.
97.1	6453.			97.1	6534.
100.0	6175.			100.0	6224.

TABLE 17 (Continued)

FLOW DURATION DATA AT GOLD CREEK FOR 1996 LOAD CONDITIONS

WEEK=43 (22 JUL-28 JUL)		WEEK=44 (29 JUL- 4 AUG)		WEEK=45 (5 AUG-11 AUG)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	14885.	0.0	26700.	0.0	36193.
8.8	14224.	5.9	20788.	2.9	30399.
17.6	13592.	11.8	15203.	5.9	25532.
41.2	12989.	17.6	14281.	8.8	24090.
44.1	12412.	26.5	13415.	11.8	21444.
50.0	11861.	50.0	12601.	14.7	16994.
52.9	8247.	67.6	11837.	17.6	14273.
61.8	7881.	70.6	9216.	20.6	13467.
64.7	7531.	73.5	8657.	41.2	12706.
67.6	7196.	100.0	8132.	100.0	11988.
85.3	6877.				
94.1	6572.				
100.0	6280.				

WEEK=46 (12 AUG-18 AUG)		WEEK=47 (19 AUG-25 AUG)		WEEK=48 (26 AUG- 1 SEP)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	41765.	0.0	38898.	0.0	38827.
5.9	36623.	5.9	34365.	5.9	30317.
8.8	26370.	8.8	25211.	8.8	26789.
11.8	23123.	14.7	23697.	14.7	23672.
20.6	20276.	20.6	22274.	20.6	19663.
23.5	17780.	23.5	20936.	26.5	18483.
26.5	16649.	32.3	19678.	32.3	17375.
32.3	14599.	35.3	17385.	38.2	16333.
38.2	13671.	52.9	15359.	44.1	15353.
44.1	12802.	55.9	14436.	50.0	14432.
100.0	11988.	58.8	12754.	58.8	12753.
		100.0	11988.	100.0	11988.

TABLE 17 (Continued)

FLOW DURATION DATA AT GOLD CREEK FOR 1996 LOAD CONDITIONS

WEEK=49 (2 SEP- 8 SEP)		WEEK=50 (9 SEP-15 SEP)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	33117.	0.0	28972.
2.9	29758.	2.9	22968.
5.9	24027.	5.9	20931.
11.8	22775.	11.8	19981.
14.7	20465.	14.7	19074.
17.6	19399.	17.6	18209.
29.4	18389.	20.6	17382.
32.3	16524.	26.5	15122.
41.2	15663.	41.2	14435.
44.1	13341.	47.1	13780.
50.0	12647.	50.0	13155.
100.0	11988.	58.8	12558.
		100.0	11988.

WEEK=51 (16 SEP-22 SEP)		WEEK=52 (23 SEP-30 SEP)		
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE ^{1/} (CFS)	DISCHARGE ^{2/} (CFS)
0.0	21879.	0.0	25068.	21935.
2.9	20768.	2.9	23250.	20344.
8.8	19714.	5.9	19999.	17499.
14.7	18714.	8.8	18548.	16230.
20.6	17764.	14.7	17203.	15053.
23.5	14423.	20.6	15955.	13961.
29.4	13691.	26.5	14797.	12947.
38.2	12996.	32.3	13724.	12009.
44.1	12336.	35.3	12728.	11137.
52.9	11710.	47.1	11805.	10329.
55.9	11115.	55.9	10949.	9580.
64.7	10551.	64.7	10154.	8885.
67.6	8567.	67.6	6968.	6097.
100.0	8132.	73.5	6463.	5655.
		100.0	5994.	5248.

^{1/} The values in this column represent the total flow between Sept. 23 and 30, divided by 7.

^{2/} The flows in this column represent the mean flow for the 8 day period, Sept. 23 to 30.

TABLE 18

**Flow Duration Data at
Sunshine for 1996 Load Conditions**

TABLE 18

FLOW DURATION DATA AT SUNSHINE FOR 1996 LOAD CONDITIONS

WEEK= 1 (1 OCT- 7 OCT)		WEEK= 2 (8 OCT-14 OCT)		WEEK= 3 (15 OCT-21 OCT)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	33220.	0.0	30658.	0.0	23221.
5.9	29793.	2.9	28912.	2.9	20980.
8.8	28215.	5.9	27267.	8.8	19942.
14.7	26720.	11.8	25714.	23.5	18956.
17.6	25304.	14.7	24250.	29.4	18018.
23.5	23963.	29.4	22870.	32.3	17126.
35.3	22693.	32.3	21568.	41.2	16279.
41.2	21491.	38.2	20340.	50.0	15474.
50.0	20352.	47.1	19182.	58.8	14708.
55.9	19274.	55.9	18090.	64.7	13980.
67.6	18253.	67.6	17060.	76.5	12631.
70.6	17286.	73.5	16089.	85.3	12006.
76.5	16370.	76.5	15173.	88.2	11412.
82.3	15502.	79.4	14310.	94.1	10311.
85.3	14681.	85.3	13495.	97.1	9316.
88.2	13903.	94.1	12727.	100.0	8855.
94.1	13166.	97.1	10675.		
97.1	12469.	100.0	10067.		
100.0	11808.				

WEEK= 4 (22 OCT-28 OCT)		WEEK= 5 (29 OCT- 4 NOV)		WEEK= 6 (5 NOV-11 NOV)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	22543.	0.0	16074.	0.0	16143.
2.9	18409.	14.7	15544.	2.9	15575.
5.9	17500.	23.5	15031.	8.8	15027.
11.8	16636.	26.5	14536.	11.8	14499.
17.6	15815.	29.4	14056.	23.5	13989.
29.4	15034.	41.2	13593.	26.5	13497.
41.2	14292.	47.1	13144.	35.3	13022.
50.0	13586.	55.9	12711.	52.9	12564.
64.7	12915.	61.8	12292.	55.9	11695.
70.6	12278.	64.7	11886.	64.7	11284.
73.5	11671.	67.6	11494.	67.6	10887.
76.5	11095.	73.5	11115.	76.5	10504.
82.3	10547.	79.4	10394.	82.3	10134.
88.2	10026.	88.2	10051.	88.2	9102.
94.1	9531.	91.2	9399.	91.2	8782.
97.1	9061.	97.1	8789.	94.1	8473.
100.0	8613.	100.0	8499.	100.0	8175.

TABLE 18 (Continued)

FLOW DURATION DATA AT SUNSHINE FOR 1996 LOAD CONDITIONS

WEEK= 7 (12 NOV-18 NOV)		WEEK= 8 (19 NOV-25 NOV)		WEEK= 9 (26 NOV- 2 DEC)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	17579.	0.0	16804.	0.0	16461.
2.9	16190.	11.8	16157.	11.8	15795.
8.8	15537.	17.6	15535.	20.6	15156.
14.7	14910.	35.3	14937.	41.2	14542.
20.6	14309.	44.1	14363.	52.9	13954.
44.1	13732.	58.8	13810.	64.7	13389.
50.0	13178.	70.6	13278.	73.5	12847.
61.8	12647.	73.5	12767.	82.3	8857.
70.6	12137.	79.4	9700.	85.3	8498.
76.5	11648.	82.3	9327.	88.2	7824.
79.4	10295.	85.3	8968.	100.0	7507.
82.3	9481.	88.2	8291.		
88.2	8732.	100.0	7972.		
91.2	8380.				
100.0	8042.				
WEEK=10 (3 DEC- 9 DEC)		WEEK=11 (10 DEC-16 DEC)		WEEK=12 (17 DEC-23 DEC)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	16377.	0.0	15925.	0.0	15478.
2.9	15708.	2.9	15292.	2.9	14885.
11.8	15065.	11.8	14685.	17.6	14316.
23.5	14449.	29.4	14102.	38.2	13768.
50.0	13858.	50.0	13541.	55.9	13241.
55.9	13291.	67.6	13004.	76.5	12735.
70.6	12748.	73.5	12487.	79.4	12248.
79.4	12226.	82.3	11991.	91.2	8291.
85.3	8396.	85.3	11515.	94.1	7974.
91.2	7723.	88.2	11057.	97.1	7669.
100.0	7408.	91.2	8326.	100.0	7376.
		97.1	7678.		
		100.0	7373.		

TABLE 18 (Continued)

FLOW DURATION DATA AT SUNSHINE FOR 1996 LOAD CONDITIONS

WEEK=13 (24 DEC-30 DEC)		WEEK=14 (31 DEC- 6 JAN)		WEEK=15 (7 JAN-13 JAN)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	15166.	0.0	15129.	0.0	13238.
8.8	14600.	2.9	14149.	2.9	12889.
20.6	14054.	11.8	13683.	5.9	12550.
44.1	13529.	17.6	13232.	14.7	12219.
67.6	13024.	32.3	12796.	35.3	11897.
76.5	12537.	52.9	12375.	47.1	11584.
91.2	12069.	64.7	11967.	58.8	11279.
94.1	7939.	82.3	11573.	70.6	10982.
97.1	7642.	91.2	11192.	82.3	10692.
100.0	7357.	94.1	8279.	91.2	10136.
		100.0	8006.	94.1	8187.
				100.0	7971.

WEEK=16 (14 JAN-20 JAN)		WEEK=17 (21 JAN-27 JAN)		WEEK=18 (28 JAN- 3 FEB)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	12819.	0.0	12422.	0.0	11748.
5.9	12491.	2.9	12110.	8.8	11438.
11.8	12172.	8.8	11805.	17.6	11137.
23.5	11861.	17.6	11508.	23.5	10844.
47.1	11557.	32.3	11218.	47.1	10558.
52.9	11262.	50.0	10936.	67.6	10280.
73.5	10974.	67.6	10661.	73.5	10009.
76.5	10694.	73.5	10393.	82.3	9745.
88.2	10420.	76.5	10131.	91.2	9489.
91.2	10154.	91.2	9628.	94.1	7664.
94.1	8043.	94.1	8055.	97.1	7265.
100.0	7837.	97.1	7852.	100.0	7074.
		100.0	7654.		

TABLE 18 (Continued)

FLOW DURATION DATA AT SUNSHINE FOR 1996 LOAD CONDITIONS

WEEK=19 (4 FEB-10 FEB)		WEEK=20 (11 FEB-17 FEB)		WEEK=21 (18 FEB-24 FEB)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	12393.	0.0	11848.	0.0	12358.
5.9	12029.	2.9	11212.	2.9	11642.
11.8	11676.	5.9	10907.	5.9	11300.
26.5	11333.	11.8	10610.	17.6	10967.
52.9	11000.	17.6	10321.	38.2	10645.
67.6	10677.	44.1	10040.	67.6	10331.
73.5	10363.	64.7	9767.	76.5	10028.
91.2	10059.	76.5	9501.	88.2	9733.
94.1	7691.	85.3	9243.	91.2	9446.
97.1	7246.	88.2	8991.	94.1	7665.
100.0	7033.	94.1	7619.	97.1	7220.
		97.1	7210.	100.0	7008.
		100.0	7014.		
WEEK=22 (25 FEB- 3 MAR)		WEEK=23 (4 MAR-10 MAR)		WEEK=24 (11 MAR-17 MAR)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	11980.	0.0	11770.	0.0	10844.
5.9	11611.	5.9	11418.	2.9	10565.
8.8	11253.	14.7	11077.	14.7	10294.
29.4	10907.	32.3	10745.	26.5	10029.
58.8	10571.	55.9	10424.	41.2	9771.
73.5	10245.	76.5	10112.	52.9	9520.
88.2	9930.	91.2	9810.	67.6	9275.
94.1	8762.	94.1	9517.	85.3	9037.
97.1	6822.	97.1	6815.	94.1	8578.
100.0	6611.	100.0	6611.	97.1	6786.
				100.0	6611.

TABLE 18 (Continued)

FLOW DURATION DATA AT SUNSHINE FOR 1996 LOAD CONDITIONS

WEEK=25 (18 MAR-24 MAR)		WEEK=26 (25 MAR-31 MAR)		WEEK=27 (1 APR- 7 APR)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	12765.	0.0	12700.	0.0	12358.
5.9	12330.	5.9	12271.	2.9	11577.
29.4	11911.	20.6	11857.	5.9	11205.
52.9	11506.	47.1	11456.	26.5	10845.
73.5	11114.	70.6	11069.	47.1	10496.
94.1	10736.	91.2	10696.	55.9	10159.
97.1	6845.	97.1	6843.	79.4	9833.
100.0	6612.	100.0	6612.	94.1	9517.
				97.1	6865.
				100.0	6644.

WEEK=28 (8 APR-14 APR)		WEEK=29 (15 APR-21 APR)		WEEK=30 (22 APR-28 APR)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	10424.	0.0	7899.	0.0	8907.
2.9	9524.	2.9	7606.	5.9	8410.
5.9	9103.	5.9	7511.	8.8	8251.
20.6	8900.	11.8	7417.	17.6	8095.
35.3	8701.	17.6	7143.	29.4	7942.
44.1	8506.	35.3	6965.	32.3	7791.
52.9	8316.	38.2	6878.	38.2	7357.
58.8	8131.	58.8	6792.	47.1	7218.
82.3	7949.	61.8	6707.	50.0	7081.
85.3	7771.	64.7	6624.	58.8	6947.
91.2	7598.	79.4	6541.	70.6	6815.
97.1	6941.	88.2	6459.	76.5	6686.
100.0	6786.	94.1	6299.	88.2	6559.
		100.0	6220.	94.1	6435.
				97.1	6313.
				100.0	6194.

TABLE 18 (Continued)

FLOW DURATION DATA AT SUNSHINE FOR 1996 LOAD CONDITIONS

WEEK=31 (29 APR- 5 MAY)		WEEK=32 (6 MAY-12 MAY)		WEEK=33 (13 MAY-19 MAY)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	16348.	0.0	29592.	0.0	40625.
2.9	15187.	5.9	27776.	2.9	32484.
5.9	14107.	8.8	26072.	5.9	30150.
8.8	13597.	11.8	20239.	11.8	27984.
11.8	12174.	20.6	18997.	14.7	25974.
14.7	11733.	23.5	17831.	29.4	24108.
17.6	11308.	26.5	16737.	47.1	22376.
20.6	10899.	29.4	15711.	50.0	20769.
26.5	10505.	32.3	14747.	55.9	19277.
38.2	10125.	44.1	13842.	64.7	17892.
47.1	9758.	55.9	12993.	67.6	16607.
55.9	9405.	64.7	12196.	76.5	15414.
67.6	9065.	73.5	10745.	82.3	14307.
76.5	8737.	76.5	10086.	85.3	13279.
91.2	8421.	91.2	9467.	88.2	12325.
100.0	8116.	100.0	8886.	97.1	10618.
				100.0	9855.
WEEK=34 (20 MAY-26 MAY)		WEEK=35 (27 MAY- 2 JUN)		WEEK=36 (3 JUN- 9 JUN)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	50357.	0.0	48000.	0.0	99506.
8.8	38259.	11.8	43492.	2.9	61317.
11.8	35719.	17.6	41400.	5.9	56564.
17.6	31134.	26.5	39408.	8.8	52179.
26.5	29067.	32.3	37511.	14.7	48134.
29.4	27137.	44.1	35707.	32.3	44402.
52.9	25336.	47.1	33989.	35.3	40960.
64.7	23654.	52.9	32353.	38.2	37785.
76.5	20618.	58.8	30797.	50.0	34855.
79.4	17971.	64.7	29315.	67.6	32153.
85.3	16778.	70.6	26562.	76.5	29661.
91.2	15664.	73.5	25284.	85.3	27361.
97.1	14624.	79.4	24067.	97.1	23284.
100.0	13653.	82.3	22909.	100.0	21479.
		85.3	21807.		
		88.2	20758.		
		97.1	19759.		
		100.0	18808.		

TABLE 18 (Continued)

FLOW DURATION DATA AT SUNSHINE FOR 1996 LOAD CONDITIONS

WEEK=37 (10 JUN-16 JUN)		WEEK=38 (17 JUN-23 JUN)		WEEK=39 (24 JUN-30 JUN)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	85374.	0.0	79593.	0.0	75515.
2.9	80241.	2.9	68622.	2.9	72605.
5.9	70884.	5.9	65312.	5.9	69807.
8.8	66622.	8.8	59163.	8.8	62043.
14.7	58853.	14.7	56310.	11.8	59652.
23.5	55315.	20.6	53593.	14.7	55143.
26.5	51990.	32.3	51008.	17.6	53018.
35.3	48864.	38.2	48548.	26.5	50975.
41.2	45927.	41.2	46206.	29.4	49011.
47.1	43166.	50.0	43978.	44.1	47122.
58.8	40571.	55.9	41856.	55.9	45306.
61.8	38132.	70.6	39837.	70.6	43560.
73.5	35840.	73.5	37916.	79.4	41881.
76.5	33685.	79.4	36087.	82.3	38716.
88.2	31660.	85.3	34346.	91.2	37224.
91.2	29757.	91.2	32690.	100.0	35789.
97.1	27968.	100.0	31113.		
100.0	26287.				

WEEK=40 (1 JUL- 7 JUL)		WEEK=41 (8 JUL-14 JUL)		WEEK=42 (15 JUL-21 JUL)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	60402.	0.0	84200.	0.0	80253.
2.9	58599.	2.9	70164.	2.9	76592.
5.9	56849.	5.9	67037.	5.9	73097.
8.8	55153.	11.8	64049.	11.8	66578.
14.7	53506.	17.6	61194.	14.7	60641.
26.5	51909.	20.6	58467.	23.5	57874.
35.3	50360.	29.4	55861.	32.3	55233.
41.2	48857.	35.3	53372.	38.2	52713.
44.1	45983.	41.2	50993.	52.9	50308.
52.9	44611.	44.1	48720.	64.7	48012.
61.8	43279.	55.9	46549.	70.6	43731.
76.5	41987.	61.8	44474.	79.4	41735.
79.4	40734.	70.6	42492.	82.3	39831.
85.3	39518.	85.3	40598.	85.3	38014.
91.2	38339.	94.1	38789.	94.1	36279.
97.1	35007.	97.1	37060.	97.1	34624.
100.0	33962.	100.0	35409.	100.0	33044.

TABLE 18. (Continued)

FLOW DURATION DATA AT SUNSHINE FOR 1996 LOAD CONDITIONS

WEEK=43 (22 JUL-28 JUL)		WEEK=44 (29 JUL- 4 AUG)		WEEK=45 (5 AUG-11 AUG)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	70349.	0.0	73860.	0.0	82997.
2.9	67505.	5.9	70785.	5.9	66834.
8.8	64776.	8.8	67837.	8.8	64000.
11.8	59644.	14.7	62305.	17.6	58689.
23.5	57233.	23.5	59711.	20.6	56201.
32.3	54919.	26.5	57225.	35.3	53818.
38.2	52699.	29.4	54842.	50.0	51537.
44.1	50568.	41.2	52558.	52.9	49352.
52.9	48523.	55.9	50370.	70.6	47259.
70.6	46562.	64.7	48272.	79.4	45256.
73.5	44679.	79.4	46262.	91.2	43337.
79.4	41139.	82.3	44336.	94.1	41500.
82.3	39476.	85.3	42490.	97.1	38056.
88.2	37880.	91.2	39025.	100.0	36443.
91.2	36349.	94.1	35843.		
94.1	34879.	97.1	34350.		
97.1	33469.	100.0	32920.		
100.0	32116.				

WEEK=46 (12 AUG-18 AUG)		WEEK=47 (19 AUG-25 AUG)		WEEK=48 (26 AUG- 1 SEP)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	121129.	0.0	100411.	0.0	83336.
2.9	102480.	2.9	92775.	2.9	67872.
5.9	86703.	5.9	79201.	8.8	59192.
8.8	73354.	8.8	67613.	14.7	55277.
11.8	67472.	11.8	62471.	20.6	51622.
14.7	62061.	23.5	57721.	23.5	45020.
17.6	57084.	29.4	53331.	41.2	42043.
32.3	52506.	44.1	49276.	55.9	39262.
47.1	48295.	52.9	45528.	70.6	36666.
70.6	44422.	70.6	42066.	85.3	34241.
85.3	40860.	88.2	38867.	91.2	31977.
91.2	37583.	91.2	35911.	97.1	24321.
94.1	34569.	94.1	33181.	100.0	22712.
97.1	26902.	97.1	24182.		
100.0	24744.	100.0	22343.		

TABLE 18 (Continued)

FLOW DURATION DATA AT SUNSHINE FOR 1996 LOAD CONDITIONS

WEEK=49 (2 SEP- 8 SEP)		WEEK=50 (9 SEP-15 SEP)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	61668.	0.0	56593.
5.9	55785.	2.9	53838.
8.8	53058.	11.8	48724.
14.7	50464.	14.7	46352.
17.6	47997.	20.6	44095.
23.5	45651.	29.4	37964.
32.3	39277.	38.2	36116.
41.2	37357.	50.0	34358.
52.9	35531.	64.7	31094.
64.7	33794.	73.5	28140.
73.5	32141.	85.3	26770.
79.4	30570.	91.2	25467.
82.3	29076.	97.1	23048.
88.2	27654.	100.0	21926.
94.1	25016.		
100.0	23793.		

WEEK=51 (16 SEP-22 SEP)		WEEK=52 (23 SEP-30 SEP)		
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE ^{1/} (CFS)	DISCHARGE ^{2/} (CFS)
0.0	67741.	0.0	79129.	69238.
2.9	54140.	2.9	48777.	42680.
5.9	50243.	8.8	44278.	38743.
8.8	43270.	11.8	40194.	35170.
14.7	40155.	20.6	36487.	31926.
17.6	37265.	32.3	33122.	28982.
23.5	34582.	35.3	30067.	26309.
41.2	32093.	44.1	27294.	23882.
47.1	29783.	61.8	24777.	21680.
55.9	27639.	73.5	22491.	19680.
58.8	25649.	82.3	20417.	17865.
70.6	23803.	85.3	18534.	16217.
79.4	22090.	91.2	15273.	13364.
88.2	20499.	97.1	13864.	12131.
91.2	19024.	100.0	12585.	11012.
97.1	17654.			
100.0	16384.			

^{1/} The values in this column represent the total flow between Sept. 23 and 30, divided by 7.

^{2/} The flows in this column represent the mean flow for the 8 day period, Sept. 23 to 30.

TABLE 19

**Flow Duration Data at
Susitna Station for 1996 Load Conditions**

TABLE 19

FLOW DURATION DATA AT SUSITNA STATION FOR 1996 LOAD CONDITIONS

WEEK= 1 (1 OCT- 7 OCT)		WEEK= 2 (8 OCT-14 OCT)		WEEK= 3 (15 OCT-21 OCT)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	69321.	0.0	87119.	0.0	60477.
11.8	60495.	2.9	73427.	8.8	56546.
20.6	52792.	5.9	61888.	11.8	46221.
29.4	49317.	8.8	56817.	14.7	43217.
38.2	46070.	14.7	52161.	17.6	40408.
47.1	43038.	23.5	47887.	23.5	37782.
50.0	40204.	35.3	43964.	38.2	35326.
52.9	37558.	47.1	40361.	55.9	33030.
55.9	35085.	64.7	37054.	67.6	30883.
64.7	32776.	67.6	34018.	70.6	28876.
79.4	30618.	79.4	31231.	73.5	26999.
88.2	26720.	85.3	28672.	88.2	25244.
91.2	24961.	88.2	26323.	91.2	20635.
97.1	20349.	91.2	22186.	97.1	18040.
100.0	19009.	94.1	18699.	100.0	16867.
		100.0	17167.		
WEEK= 4 (22 OCT-28 OCT)		WEEK= 5 (29 OCT- 4 NOV)		WEEK= 6 (5 NOV-11 NOV)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	52258.	0.0	44524.	0.0	44666.
2.9	45558.	2.9	37086.	2.9	37030.
8.8	42537.	5.9	34893.	5.9	30699.
14.7	39716.	8.8	32831.	8.8	28839.
20.6	34624.	11.8	30890.	17.6	27092.
29.4	32328.	20.6	29064.	29.4	25451.
38.2	30184.	35.3	25730.	41.2	23909.
47.1	28183.	50.0	24209.	44.1	22460.
61.8	26314.	61.8	22778.	58.8	21100.
73.5	24569.	64.7	21431.	70.6	19821.
79.4	22940.	73.5	20165.	73.5	18621.
82.3	21419.	85.3	18973.	85.3	16433.
88.2	19998.	88.2	17851.	88.2	15437.
91.2	18672.	94.1	15803.	97.1	14502.
94.1	17434.	97.1	14869.	100.0	13623.
97.1	15199.	100.0	13990.		
100.0	14191.				

TABLE 19 (Continued)

FLOW DURATION DATA AT SUSITNA STATION FOR 1996 LOAD CONDITIONS

WEEK= 7 (12 NOV-18 NOV)		WEEK= 8 (19 NOV-25 NOV)		WEEK= 9 (26 NOV- 2 DEC)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	44344.	0.0	31268.	0.0	29414.
2.9	30669.	2.9	27038.	5.9	26820.
5.9	27122.	5.9	25760.	11.8	25610.
17.6	25505.	14.7	24541.	14.7	24454.
23.5	23985.	20.6	23381.	17.6	23351.
26.5	22555.	32.3	22275.	26.5	22297.
41.2	21211.	41.2	21222.	50.0	21291.
58.8	19947.	50.0	20218.	55.9	20331.
67.6	18758.	61.8	19262.	58.8	19413.
73.5	17640.	67.6	18351.	61.8	18538.
82.3	16588.	76.5	17483.	67.6	17701.
88.2	15599.	79.4	16656.	76.5	16903.
91.2	14670.	85.3	15118.	79.4	16140.
100.0	13795.	88.2	14403.	82.3	15412.
		97.1	13073.	85.3	14716.
		100.0	12455.	88.2	14052.
				91.2	13418.
				97.1	12813.
				100.0	12235.
WEEK=10 (3 DEC- 9 DEC)		WEEK=11 (10 DEC-16 DEC)		WEEK=12 (17 DEC-23 DEC)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	26842.	0.0	24525.	0.0	22422.
2.9	24243.	2.9	23424.	5.9	21490.
5.9	23039.	5.9	21369.	11.8	20596.
8.8	21895.	14.7	20410.	17.6	19740.
20.6	20808.	23.5	19494.	23.5	18919.
35.3	19775.	47.1	18619.	44.1	18132.
44.1	18793.	55.9	17783.	61.8	17378.
52.9	17860.	61.8	16985.	70.6	16655.
67.6	16973.	79.4	16223.	76.5	15962.
73.5	16130.	85.3	15495.	82.3	15299.
82.3	15329.	91.2	13501.	91.2	12908.
88.2	13845.	94.1	11764.	94.1	11857.
91.2	13158.	97.1	10731.	97.1	10438.
94.1	12504.	100.0	10250.	100.0	10004.
97.1	10733.				
100.0	10200.				

TABLE 19 (Continued)

FLOW DURATION DATA AT SUSITNA STATION FOR 1996 LOAD CONDITIONS

WEEK=13 (24 DEC-30 DEC)		WEEK=14 (31 DEC- 6 JAN)		WEEK=15 (7 JAN-13 JAN)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	21306.	0.0	20191.	0.0	18229.
5.9	20473.	5.9	19046.	5.9	17452.
11.8	19672.	14.7	18498.	8.8	17075.
20.6	18903.	26.5	17966.	23.5	16707.
35.3	18164.	47.1	17449.	32.3	16347.
58.8	17453.	52.9	16947.	52.9	15994.
70.6	16771.	61.8	16460.	64.7	15649.
85.3	16115.	70.6	15986.	73.5	15312.
88.2	15484.	85.3	15526.	82.3	14982.
94.1	11711.	88.2	15079.	88.2	14658.
97.1	10390.	91.2	14224.	91.2	14033.
100.0	9984.	94.1	12657.	94.1	12861.
		97.1	11939.	97.1	12312.
		100.0	11595.	100.0	12047.

WEEK=16 (14 JAN-20 JAN)		WEEK=17 (21 JAN-27 JAN)		WEEK=18 (28 JAN- 3 FEB)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	17729.	0.0	16855.	0.0	17061.
2.9	17395.	5.9	16278.	2.9	16722.
5.9	17067.	11.8	15996.	5.9	16390.
8.8	16746.	29.4	15720.	8.8	16065.
17.6	16430.	44.1	15448.	11.8	15746.
29.4	16121.	55.9	15182.	23.5	15433.
52.9	15817.	64.7	14919.	32.3	15127.
67.6	15519.	73.5	14661.	44.1	14827.
73.5	15227.	79.4	14408.	55.9	14532.
82.3	14940.	85.3	14159.	73.5	14244.
88.2	14659.	91.2	13915.	76.5	13961.
94.1	13078.	94.1	12754.	85.3	13684.
97.1	12590.	97.1	12317.	91.2	13412.
100.0	12353.	100.0	12104.	94.1	11891.

TABLE 19 (Continued)

FLOW DURATION DATA AT SUSITNA STATION FOR 1996 LOAD CONDITIONS

WEEK=19 (4 FEB-10 FEB)		WEEK=20 (11 FEB-17 FEB)		WEEK=21 (18 FEB-24 FEB)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	17156.	0.0	16501.	0.0	17478.
14.7	16781.	2.9	16119.	2.9	17003.
17.6	16413.	8.8	15746.	5.9	16542.
23.5	16054.	14.7	15381.	14.7	16093.
35.3	15703.	23.5	15025.	23.5	15657.
47.1	15359.	32.3	14677.	32.3	15232.
61.8	15023.	44.1	14338.	44.1	14819.
73.5	14694.	50.0	14006.	50.0	14417.
85.3	14372.	67.6	13681.	76.5	14025.
88.2	14058.	79.4	13365.	85.3	13645.
94.1	12040.	88.2	13055.	91.2	13275.
97.1	11519.	91.2	12753.	94.1	11892.
100.0	11267.	94.1	11888.	97.1	10653.
		97.1	10825.	100.0	10364.
		100.0	10574.		
WEEK=22 (25 FEB- 3 MAR)		WEEK=23 (4 MAR-10 MAR)		WEEK=24 (11 MAR-17 MAR)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	17028.	0.0	16793.	0.0	16038.
5.9	16618.	5.9	16388.	2.9	14952.
8.8	16219.	11.8	15609.	8.8	14270.
14.7	15829.	17.6	15233.	20.6	13940.
20.6	15448.	20.6	14866.	29.4	13618.
29.4	15076.	38.2	14508.	41.2	13304.
35.3	14714.	52.9	14158.	55.9	12997.
52.9	14360.	64.7	13817.	70.6	12696.
67.6	14014.	82.3	13485.	73.5	12403.
88.2	13027.	88.2	13160.	88.2	12117.
94.1	12408.	97.1	10828.	97.1	10532.
97.1	10986.	100.0	10567.	100.0	10289.
100.0	10721.				

TABLE 19 (Continued)

FLOW DURATION DATA AT SUSITNA STATION FOR 1996 LOAD CONDITIONS

WEEK=25 (18 MAR-24 MAR)		WEEK=26 (25 MAR-31 MAR)		WEEK=27 (1 APR- 7 APR)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	17612.	0.0	17676.	0.0	17206.
2.9	17112.	2.9	16658.	2.9	16744.
5.9	16627.	14.7	15699.	5.9	15432.
11.8	16156.	35.3	15240.	8.8	15018.
20.6	15698.	47.1	14795.	17.6	14615.
35.3	15253.	64.7	14362.	26.5	14222.
55.9	14821.	76.5	13943.	41.2	13841.
67.6	14401.	94.1	13535.	52.9	13469.
88.2	13993.	97.1	10365.	70.6	13108.
97.1	10496.	100.0	10062.	82.3	12756.
100.0	10199.			94.1	12413.
				97.1	10544.
				100.0	10261.
WEEK=28 (8 APR-14 APR)		WEEK=29 (15 APR-21 APR)		WEEK=30 (22 APR-28 APR)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	15932.	0.0	15545.	0.0	20856.
2.9	14008.	2.9	13544.	2.9	18163.
5.9	13652.	5.9	12642.	5.9	16564.
14.7	13305.	11.8	11801.	8.8	15819.
17.6	12637.	26.5	11401.	11.8	15106.
23.5	12316.	32.3	11015.	20.6	13776.
38.2	12003.	35.3	10642.	26.5	13156.
47.1	11698.	38.2	10282.	29.4	12564.
50.0	11401.	55.9	9934.	38.2	11998.
58.8	11111.	64.7	9597.	41.2	11458.
73.5	10829.	82.3	9272.	52.9	10942.
88.2	10554.	91.2	8958.	67.6	10449.
97.1	10024.	94.1	8655.	76.5	9979.
100.0	9769.	97.1	8362.	91.2	9529.
		100.0	8079.	97.1	9100.

TABLE 19 (Continued)

FLOW DURATION DATA AT SUSITNA STATION FOR 1996 LOAD CONDITIONS

WEEK=31 (29 APR- 5 MAY)		WEEK=32 (6 MAY-12 MAY)		WEEK=33 (13 MAY-19 MAY)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	47362.	0.0	90854.	0.0	84890.
5.9	43156.	5.9	81389.	8.8	79340.
8.8	39322.	14.7	72911.	14.7	74153.
11.8	35830.	20.6	58511.	20.6	69305.
14.7	32647.	26.5	52416.	26.5	64774.
20.6	29747.	35.3	46956.	32.3	60539.
23.5	27105.	38.2	42064.	38.2	56582.
38.2	24698.	47.1	37682.	47.1	52882.
41.2	22504.	50.0	33757.	61.8	49425.
44.1	18684.	52.9	30240.	70.6	46194.
52.9	17024.	61.8	27090.	73.5	43174.
58.8	15512.	67.6	24268.	82.3	37713.
61.8	14134.	73.5	21740.	91.2	35248.
67.6	12879.	85.3	19475.	94.1	26895.
79.4	11735.	88.2	17446.	97.1	25137.
91.2	10693.	91.2	14001.	100.0	23493.
94.1	8877.	97.1	12542.		
100.0	8089.	100.0	11236.		

WEEK=34 (20 MAY-26 MAY)		WEEK=35 (27 MAY- 2 JUN)		WEEK=36 (3 JUN- 9 JUN)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	84200.	0.0	112509.	0.0	131954.
8.8	80022.	5.9	103915.	5.9	124635.
14.7	76052.	17.6	95978.	8.8	117723.
17.6	72278.	23.5	88647.	14.7	105026.
23.5	68692.	29.4	81876.	32.3	93699.
35.3	65283.	44.1	75623.	44.1	88502.
47.1	62044.	55.9	69846.	58.8	83593.
52.9	58965.	58.8	64512.	64.7	78957.
67.6	56039.	67.6	59584.	70.6	74577.
70.6	53259.	76.5	55033.	79.4	70441.
79.4	50616.	85.3	50830.	82.3	66534.
94.1	48105.	91.2	46947.	85.3	62844.
97.1	33688.	94.1	43361.	91.2	59358.
100.0	32016.	97.1	26919.	94.1	56066.
		100.0	24863.	97.1	47245.
				100.0	44624.

TABLE 19 (Continued)

FLOW DURATION DATA AT SUSITNA STATION FOR 1996 LOAD CONDITIONS

WEEK=37 (10 JUN-16 JUN)		WEEK=38 (17 JUN-23 JUN)		WEEK=39 (24 JUN-30 JUN)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	148210.	0.0	147702.	0.0	152001.
5.9	138026.	2.9	128563.	5.9	128184.
8.8	128541.	8.8	122751.	8.8	123889.
11.8	111482.	17.6	117202.	17.6	119737.
17.6	103821.	20.6	111904.	23.5	115725.
29.4	96686.	23.5	106845.	32.3	111847.
35.3	90042.	29.4	102015.	41.2	108099.
47.1	83855.	38.2	97403.	67.6	104477.
61.8	78093.	50.0	93000.	70.6	100976.
73.5	72726.	67.6	88796.	82.3	97592.
82.3	67729.	73.5	84782.	85.3	94322.
85.3	63074.	82.3	80949.	94.1	85154.
91.2	58740.	85.3	77290.	97.1	82300.
94.1	54704.	88.2	67275.	100.0	79542.
97.1	41147.	97.1	64233.		
100.0	38320.	100.0	61330.		

WEEK=40 (1 JUL- 7 JUL)		WEEK=41 (8 JUL-14 JUL)		WEEK=42 (15 JUL-21 JUL)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	144825.	0.0	172483.	0.0	171636.
5.9	140460.	2.9	151939.	2.9	164585.
8.8	136227.	5.9	145649.	8.8	157824.
11.8	132121.	11.8	139621.	11.8	151340.
14.7	128139.	26.5	133841.	14.7	145123.
17.6	124278.	32.3	128301.	17.6	139161.
23.5	120532.	35.3	122990.	23.5	133445.
26.5	116899.	44.1	117900.	26.5	127963.
32.3	113376.	50.0	113019.	32.3	122706.
47.1	109959.	61.8	108341.	38.2	117665.
50.0	103431.	70.6	103857.	50.0	112831.
61.8	100314.	73.5	99558.	64.7	108196.
67.6	97291.	79.4	95437.	73.5	103751.
70.6	94358.	85.3	91486.	79.4	99489.
76.5	91515.	94.1	87699.	82.3	91483.
85.3	88756.	97.1	80589.	85.3	87725.
91.2	86081.	100.0	77254.	88.2	80665.
94.1	83487.			100.0	77352.
100.0	80971.				

TABLE 19 (Continued)

FLOW DURATION DATA AT SUSITNA STATION FOR 1996 LOAD CONDITIONS

WEEK=43 (22 JUL-28 JUL)		WEEK=44 (29 JUL- 4 AUG)		WEEK=45 (5 AUG-11 AUG)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	166982.	0.0	175996.	0.0	163454.
2.9	159960.	2.9	162283.	5.9	144202.
5.9	153233.	5.9	155832.	8.8	139754.
11.8	146789.	8.8	149638.	11.8	135444.
14.7	140616.	11.8	132494.	14.7	131266.
20.6	134703.	14.7	127227.	17.6	127218.
23.5	129038.	23.5	122170.	29.4	123294.
32.3	123611.	38.2	117314.	35.3	119491.
35.3	118413.	44.1	112650.	44.1	115806.
38.2	113433.	50.0	108173.	52.9	112234.
44.1	108663.	55.9	103873.	55.9	108772.
50.0	104093.	70.6	99744.	64.7	105417.
58.8	99716.	82.3	91972.	73.5	102166.
67.6	95522.	88.2	88316.	82.3	99015.
76.5	91505.	94.1	84805.	88.2	95961.
85.3	87657.	100.0	81434.	91.2	93001.
91.2	80439.			100.0	90133.
94.1	77057.				
100.0	73816.				
WEEK=46 (12 AUG-18 AUG)		WEEK=47 (19 AUG-25 AUG)		WEEK=48 (26 AUG- 1 SEP)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	200602.	0.0	135823.	0.0	120174.
2.9	178630.	5.9	124901.	2.9	111694.
5.9	150100.	14.7	119774.	5.9	107681.
8.8	141642.	20.6	114857.	8.8	100082.
11.8	133660.	23.5	110142.	14.7	96486.
26.5	126127.	29.4	105621.	20.6	93020.
29.4	119020.	35.3	101285.	23.5	89678.
47.1	105983.	50.0	97127.	32.3	86456.
61.8	100011.	55.9	93140.	44.1	83349.
70.6	94375.	64.7	89317.	52.9	80355.
85.3	89056.	76.5	85650.	61.8	77468.
91.2	84038.	88.2	82134.	70.6	72001.
94.1	74833.	94.1	78763.	79.4	69414.
97.1	70616.	97.1	63871.	91.2	66920.
100.0	66636.	100.0	61249.	94.1	62198.
				100.0	59963.

TABLE 19 (Continued)

FLOW DURATION DATA AT SUSITNA STATION FOR 1996 LOAD CONDITIONS

WEEK=49 (2 SEP- 8 SEP)		WEEK=50 (9 SEP-15 SEP)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	97555.	0.0	101944.
2.9	93834.	5.9	96824.
11.8	86812.	11.8	91962.
20.6	83501.	20.6	87343.
26.5	77252.	26.5	82957.
32.3	74305.	29.4	78791.
44.1	71471.	35.3	74834.
50.0	68745.	44.1	71076.
58.8	66123.	52.9	67506.
67.6	63601.	61.8	64116.
76.5	61175.	64.7	60896.
79.4	54438.	70.6	57838.
85.3	50364.	76.5	54933.
88.2	48443.	79.4	52175.
100.0	46595.	82.3	49554.
		85.3	47066.
		91.2	44702.
		97.1	40325.
		100.0	38300.

WEEK=51 (16 SEP-22 SEP)		WEEK=52 (23 SEP-30 SEP)		
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE ^{1/} (CFS)	DISCHARGE ^{2/} (CFS)
0.0	166253.	0.0	116180.	101658.
2.9	141358.	5.9	107880.	94395.
8.8	110827.	20.6	100172.	87651.
11.8	102193.	23.5	93015.	81388.
17.6	94231.	32.3	86369.	75573.
26.5	86890.	35.3	80199.	70174.
35.3	80120.	38.2	74469.	65160.
41.2	73879.	41.2	69148.	60505.
44.1	68123.	47.1	64208.	56182.
52.9	62816.	52.9	59620.	52168.
67.6	57922.	58.8	55361.	48441.
73.5	53409.	64.7	51405.	44979.
79.4	45412.	70.6	47733.	41766.
88.2	41874.	73.5	44322.	38782.
91.2	38611.	76.5	41156.	36012.
100.0	35603.	85.3	38215.	33438.
		94.1	30596.	26772.
		100.0	28410.	24859.

^{1/} The values in this column represent the total flow between Sept. 23 and 30, divided by 7.

^{2/} The flows in this column represent the mean flow for the 8 day period, Sept. 23 to 30.

TABLE 20

**Flow Duration Data at
Gold Creek for 2020 Load Conditions**

TABLE 20

FLOW DURATION DATA AT GOLD CREEK FOR 2020 LOAD CONDITIONS

WEEK= 1
(1 OCT- 7 OCT)

WEEK= 2
(8 OCT-14 OCT)

WEEK= 3
(15 OCT-21 OCT)

PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	15101.	0.0	11159.	0.0	11254.
2.9	13491.	47.1	10707.	14.7	10783.
5.9	12751.	67.6	10272.	76.5	5441.
8.8	11391.	70.6	8704.	85.3	5213.
41.2	10767.	73.5	5520.	100.0	4995.
47.1	10176.	79.4	5296.		
52.9	9618.	100.0	5081.		
61.8	9091.				
64.7	7255.				
67.6	5473.				
100.0	5173.				

WEEK= 4
(22 OCT-28 OCT)

WEEK= 5
(29 OCT- 4 NOV)

WEEK= 6
(5 NOV-11 NOV)

PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	11679.	0.0	11799.	0.0	12508.
2.9	11168.	76.5	11311.	76.5	11989.
5.9	10680.	79.4	5757.	79.4	6092.
79.4	5223.	85.3	5519.	82.3	5839.
100.0	4995.	100.0	5291.	100.0	5597.

TABLE 20 (Continued)

FLOW DURATION DATA AT GOLD CREEK FOR 2020 LOAD CONDITIONS

WEEK= 7 (12 NOV-18 NOV)		WEEK= 8 (19 NOV-25 NOV)		WEEK= 9 (26 NOV- 2 DEC)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	12911.	0.0	12808.	0.0	13078.
2.9	12355.	2.9	12261.	14.7	12525.
79.4	6108.	79.4	8280.	82.3	11004.
82.3	5845.	82.3	5841.	85.3	6012.
100.0	5593.	100.0	5591.	100.0	5758.

WEEK=10 (3 DEC- 9 DEC)		WEEK=11 (10 DEC-16 DEC)		WEEK=12 (17 DEC-23 DEC)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	13737.	0.0	13728.	0.0	13807.
73.5	13176.	70.6	13176.	61.8	13246.
76.5	12638.	73.5	12647.	67.6	12193.
79.4	12121.	76.5	11651.	70.6	11223.
82.3	11626.	82.3	11183.	76.5	10331.
85.3	11151.	85.3	10733.	85.3	9912.
88.2	8683.	91.2	8055.	94.1	6550.
91.2	6485.	94.1	6561.	100.0	6284.
100.0	6220.	100.0	6298.		

TABLE 20 (Continued)

FLOW DURATION DATA AT GOLD CREEK FOR 2020 LOAD CONDITIONS

WEEK=13 (24 DEC-30 DEC)		WEEK=14 (31 DEC- 6 JAN)		WEEK=15 (7 JAN-13 JAN)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	13899.	0.0	13022.	0.0	12913.
35.3	13338.	8.8	12493.	5.9	12387.
55.9	12800.	44.1	11498.	41.2	11397.
58.8	12284.	47.1	11030.	44.1	10933.
61.8	11788.	58.8	10582.	52.9	10487.
64.7	11313.	70.6	10152.	76.5	10060.
67.6	10857.	82.3	9739.	94.1	9649.
73.5	10419.	97.1	6170.	97.1	6105.
82.3	9998.	100.0	5919.	100.0	5856.
91.2	9595.				
94.1	9208.				
97.1	6624.				
100.0	6357.				

WEEK=16 (14 JAN-20 JAN)		WEEK=17 (21 JAN-27 JAN)		WEEK=18 (28 JAN- 3 FEB)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	13031.	0.0	13110.	0.0	12982.
5.9	12495.	2.9	12568.	5.9	12451.
35.3	11016.	29.4	11073.	26.5	11452.
47.1	10562.	35.3	10615.	29.4	10983.
70.6	10128.	50.0	10176.	52.9	10534.
94.1	9711.	76.5	9756.	79.4	10102.
97.1	6118.	97.1	6132.	97.1	6118.
100.0	5866.	100.0	5878.	100.0	5867.

TABLE 20 (Continued)

FLOW DURATION DATA AT GOLD CREEK FOR 2020 LOAD CONDITIONS

WEEK=19 (4 FEB-10 FEB)		WEEK=20 (11 FEB-17 FEB)		WEEK=21 (18 FEB-24 FEB)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	12516.	0.0	12488.	0.0	12357.
14.7	11549.	14.7	10223.	5.9	11422.
20.6	11093.	17.6	9822.	14.7	9759.
23.5	10656.	26.5	9437.	23.5	9383.
29.4	10236.	58.8	9067.	35.3	9021.
55.9	9833.	79.4	8711.	61.8	8673.
76.5	9445.	97.1	6077.	88.2	8338.
97.1	6069.	100.0	5838.	97.1	6087.
100.0	5830.			100.0	5852.

WEEK=22 (25 FEB- 3 MAR)		WEEK=23 (4 MAR-10 MAR)		WEEK=24 (11 MAR-17 MAR)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	11811.	0.0	9478.	0.0	9024.
2.9	8963.	2.9	9185.	11.8	8768.
11.8	8617.	11.8	8901.	20.6	8520.
32.3	8284.	14.7	8625.	47.1	8278.
61.8	7964.	38.2	8358.	67.6	8044.
88.2	7656.	58.8	8099.	94.1	7816.
97.1	5810.	94.1	7848.	97.1	5378.
100.0	5585.	97.1	5380.	100.0	5226.
		100.0	5214.		

TABLE 20 (Continued)

FLOW DURATION DATA AT GOLD CREEK FOR 2020 LOAD CONDITIONS

WEEK=25 (18 MAR-24 MAR)		WEEK=26 (25 MAR-31 MAR)		WEEK=27 (1 APR- 7 APR)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	9299.	0.0	11328.	0.0	10058.
5.9	9023.	97.1	5469.	97.1	5182.
17.6	8755.	100.0	5252.	100.0	4995.
29.4	8494.				
52.9	8242.				
82.3	7997.				
97.1	5401.				
100.0	5241.				

WEEK=28 (8 APR-14 APR)		WEEK=29 (15 APR-21 APR)		WEEK=30 (22 APR-28 APR)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	10107.	0.0	8480.	0.0	8534.
97.1	6302.	5.9	6242.	2.9	5138.
100.0	6139.	8.8	5742.	100.0	4995.
		14.7	5430.		
		20.6	5281.		
		29.4	5136.		
		100.0	4995.		

TABLE 20 (Continued)

FLOW DURATION DATA AT GOLD CREEK FOR 2020 LOAD CONDITIONS

WEEK=31 (29 APR- 5 MAY)		WEEK=32 (6 MAY-12 MAY)		WEEK=33 (13 MAY-19 MAY)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	7643.	0.0	6280.	0.0	6525.
2.9	6071.	2.9	6038.	2.9	6324.
100.0	5994.	5.9	6009.	5.9	6268.
		100.0	5994.	11.8	6240.
				20.6	6184.
				23.5	6021.
				100.0	5994.
WEEK=34 (20 MAY-26 MAY)		WEEK=35 (27 MAY- 2 JUN)		WEEK=36 (3 JUN- 9 JUN)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	8816.	0.0	9264.	0.0	12078.
2.9	7965.	2.9	8074.	2.9	11219.
5.9	7648.	5.9	7712.	5.9	9330.
11.8	7196.	8.8	7538.	8.8	8051.
17.6	7051.	17.6	7367.	14.7	7759.
23.5	6771.	26.5	7200.	23.5	7478.
26.5	6634.	32.3	7037.	26.5	7208.
35.3	6501.	35.3	6722.	32.3	6947.
44.1	6370.	44.1	6569.	52.9	6695.
47.1	6242.	52.9	6421.	64.7	6453.
52.9	6117.	61.8	6275.	70.6	6219.
100.0	5994.	70.6	6133.	100.0	5994.
		100.0	5994.		

TABLE 20 (Continued)

FLOW DURATION DATA AT GOLD CREEK FOR 2020 LOAD CONDITIONS

WEEK=37 (10 JUN-16 JUN)		WEEK=38 (17 JUN-23 JUN)		WEEK=39 (24 JUN-30 JUN)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	12982.	0.0	13698.	0.0	11998.
5.9	11968.	2.9	13115.	8.8	11568.
8.8	10171.	5.9	12556.	23.5	11153.
11.8	9765.	17.6	12022.	35.3	10367.
14.7	9376.	23.5	11020.	38.2	9995.
17.6	9002.	26.5	8127.	41.2	8327.
20.6	7968.	32.3	7782.	44.1	7740.
26.5	7651.	38.2	7450.	50.0	7463.
41.2	7346.	41.2	7133.	55.9	6937.
47.1	7053.	52.9	6830.	61.8	6688.
52.9	6772.	58.8	6539.	67.6	6448.
61.8	6502.	73.5	6260.	76.5	6217.
70.6	6243.	100.0	5994.	100.0	5994.
100.0	5994.				

WEEK=40 (1 JUL- 7 JUL)		WEEK=41 (8 JUL-14 JUL)		WEEK=42 (15 JUL-21 JUL)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	11315.	0.0	12249.	0.0	11970.
11.8	10943.	2.9	11362.	2.9	11542.
17.6	10583.	8.8	10942.	8.8	11129.
29.4	10235.	20.6	10538.	11.8	10732.
38.2	8659.	26.5	7234.	20.6	10348.
41.2	7575.	32.3	6967.	26.5	8626.
44.1	7085.	35.3	6710.	29.4	7457.
47.1	6852.	38.2	6462.	32.3	7191.
50.0	6627.	50.0	6224.	35.3	6934.
61.8	6409.	100.0	5994.	44.1	6686.
64.7	6198.			47.1	6447.
100.0	5994.			52.9	6216.
				100.0	5994.

TABLE 20 (Continued)

FLOW DURATION DATA AT GOLD CREEK FOR 2020 LOAD CONDITIONS

WEEK=43 (22 JUL-28 JUL)		WEEK=44 (29 JUL- 4 AUG)		WEEK=45 (5 AUG-11 AUG)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	11879.	0.0	13505.	0.0	28800.
5.9	11459.	2.9	12137.	2.9	23947.
11.8	11054.	5.9	11817.	11.8	12554.
17.6	10663.	11.8	11203.	100.0	11988.
26.5	10286.	17.6	10908.		
29.4	9922.	23.5	10620.		
32.3	9571.	32.3	10340.		
35.3	7712.	38.2	10068.		
38.2	7176.	41.2	9803.		
41.2	6678.	44.1	9293.		
52.9	6441.	47.1	9048.		
58.8	6214.	50.0	8810.		
100.0	5994.	55.9	8578.		
		61.8	8352.		
		100.0	8132.		
WEEK=46 (12 AUG-18 AUG)		WEEK=47 (19 AUG-25 AUG)		WEEK=48 (26 AUG- 1 SEP)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	42051.	0.0	39557.	0.0	39089.
5.9	26484.	2.9	37148.	2.9	36732.
8.8	23206.	5.9	25480.	5.9	28640.
14.7	19035.	8.8	23928.	8.8	23764.
17.6	13681.	17.6	21103.	11.8	20984.
20.6	12807.	26.5	18611.	14.7	19719.
100.0	11988.	29.4	14475.	20.6	18529.
		32.3	12765.	23.5	16362.
		100.0	11988.	29.4	15375.
				32.3	14448.
				35.3	12757.
				100.0	11988.

TABLE 20 (Continued)

FLOW DURATION DATA AT GOLD CREEK FOR 2020 LOAD CONDITIONS

WEEK=49 (2 SEP- 8 SEP)		WEEK=50 (9 SEP-15 SEP)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	32854.	0.0	22451.
2.9	29546.	2.9	21017.
5.9	23896.	8.8	18416.
11.8	20379.	11.8	17239.
14.7	18327.	17.6	15106.
20.6	16482.	26.5	14615.
29.4	15630.	32.3	14140.
32.3	13330.	38.2	13681.
38.2	12641.	41.2	13236.
100.0	11988.	44.1	12807.
		47.1	12391.
		100.0	11988.

WEEK=51 (16 SEP-22 SEP)		WEEK=52 (23 SEP-30 SEP)		
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE ^{1/} (CFS)	DISCHARGE ^{2/} (CFS)
0.0	21879.	0.0	25068.	21935.
2.9	20768.	2.9	23250.	20344.
5.9	19714.	5.9	18548.	16230.
8.8	18714.	11.8	17203.	15053.
11.8	17764.	17.6	15955.	13961.
14.7	14423.	20.6	14797.	12947.
17.6	13691.	29.4	13724.	12009.
26.5	12996.	32.3	12728.	11137.
29.4	12336.	44.1	11805.	10329.
38.2	11710.	55.9	10949.	9580.
41.2	11115.	61.8	10154.	8885.
50.0	10551.	64.7	6968.	6097.
52.9	10016.	67.6	6463.	5655.
58.8	9507.	100.0	5994.	5245.
67.6	8567.			
100.0	8132.			

^{1/} The values in this column represent the total flow between Sept. 23 and 30, divided by 7.

^{2/} The flows in this column represent the mean flow for the 8 day period, Sept. 23 to 30.

TABLE 21

**Flow Duration Data at
Sunshine for 2020 Load Conditions**

TABLE 21

FLOW DURATION DATA AT SUNSHINE FOR 2020 LOAD CONDITIONS

WEEK= 1 (1 OCT- 7 OCT)		WEEK= 2 (8 OCT-14 OCT)		WEEK= 3 (15 OCT-21 OCT)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	33220.	0.0	28599.	0.0	21966.
2.9	31408.	2.9	27017.	5.9	20903.
5.9	28075.	5.9	25523.	14.7	19892.
14.7	26544.	8.8	24112.	20.6	18930.
17.6	25096.	17.6	22779.	44.1	18014.
20.6	23727.	23.5	21519.	52.9	17142.
32.3	22433.	35.3	20329.	64.7	16313.
41.2	21209.	41.2	19205.	76.5	12115.
47.1	20052.	58.8	18143.	85.3	11528.
61.8	17924.	73.5	17140.	91.2	9935.
73.5	16947.	76.5	15297.	97.1	8997.
76.5	16022.	79.4	14451.	100.0	8561.
82.3	15148.	82.3	13652.		
85.3	14322.	85.3	12897.		
88.2	13541.	91.2	12184.		
94.1	12802.	94.1	10874.		
97.1	12104.	97.1	10272.		
100.0	11444.	100.0	9704.		
WEEK= 4 (22 OCT-28 OCT)		WEEK= 5 (29 OCT- 4 NOV)		WEEK= 6 (5 NOV-11 NOV)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	21679.	0.0	18876.	0.0	18436.
2.9	19628.	2.9	18076.	5.9	17676.
5.9	18677.	8.8	17309.	20.6	16947.
8.8	17771.	35.3	16575.	44.1	16248.
26.5	16910.	52.9	15873.	55.9	15577.
55.9	16090.	58.8	15200.	64.7	14935.
58.8	15311.	70.6	14555.	79.4	11121.
70.6	14568.	79.4	11224.	82.3	10222.
79.4	11943.	82.3	10748.	88.2	9009.
82.3	10813.	85.3	10292.	91.2	8637.
85.3	9790.	88.2	9856.	100.0	8281.
97.1	8864.	91.2	9438.		
100.0	8435.	94.1	9038.		
		97.1	8655.		
		100.0	8288.		

TABLE 21 (Continued)

FLOW DURATION DATA AT SUNSHINE FOR 2020 LOAD CONDITIONS

WEEK= 7 (12 NOV-18 NOV)		WEEK= 8 (19 NOV-25 NOV)		WEEK= 9 (26 NOV- 2 DEC)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	17664.	0.0	16917.	0.0	16874.
5.9	16959.	8.8	16272.	14.7	16233.
17.6	16283.	20.6	15651.	32.3	15617.
47.1	15634.	50.0	15054.	64.7	15025.
64.7	15010.	70.6	14480.	79.4	14454.
76.5	14412.	79.4	11467.	82.3	13378.
79.4	9992.	82.3	9441.	85.3	9444.
82.3	9594.	85.3	9081.	91.2	8409.
88.2	8491.	88.2	8401.	100.0	8090.
100.0	8153.	100.0	8081.		

WEEK=10 (3 DEC- 9 DEC)		WEEK=11 (10 DEC-16 DEC)		WEEK=12 (17 DEC-23 DEC)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	17311.	0.0	16961.	0.0	16793.
8.8	16661.	14.7	16337.	17.6	16183.
32.3	16034.	50.0	15736.	55.9	15596.
67.6	15431.	70.6	15157.	64.7	15030.
76.5	14851.	76.5	14063.	67.6	14485.
79.4	14293.	82.3	13546.	70.6	13959.
82.3	13756.	85.3	13047.	73.5	13452.
88.2	10930.	88.2	12567.	79.4	12964.
91.2	9743.	91.2	11231.	85.3	12040.
94.1	9377.	94.1	9312.	88.2	11603.
97.1	8685.	97.1	8639.	94.1	8958.
100.0	8359.	100.0	8322.	97.1	8633.
				100.0	8320.

TABLE 21 (Continued)

FLOW DURATION DATA AT SUNSHINE FOR 2020 LOAD CONDITIONS

WEEK=13 (24 DEC-30 DEC)		WEEK=14 (31 DEC- 6 JAN)		WEEK=15 (7 JAN-13 JAN)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	16717.	0.0	16310.	0.0	15456.
17.6	16112.	2.9	15685.	8.8	14894.
44.1	15528.	11.8	15084.	32.3	14352.
58.8	14966.	35.3	14506.	41.2	13326.
61.8	14424.	44.1	13950.	55.9	12841.
64.7	13902.	47.1	13415.	67.6	12373.
67.6	13399.	52.9	12901.	85.3	11923.
73.5	12914.	73.5	12407.	94.1	11489.
85.3	11996.	88.2	11931.	97.1	7929.
94.1	11562.	91.2	11474.	100.0	7640.
97.1	8608.	94.1	11034.		
100.0	8297.	97.1	8072.		
		100.0	7762.		
WEEK=16 (14 JAN-20 JAN)		WEEK=17 (21 JAN-27 JAN)		WEEK=18 (28 JAN- 3 FEB)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	15145.	0.0	15137.	0.0	15100.
20.6	14610.	11.8	14604.	11.8	14567.
35.3	13117.	29.4	13592.	23.5	14053.
52.9	12653.	32.3	13113.	26.5	13557.
67.6	12207.	41.2	12651.	32.3	13079.
79.4	11776.	55.9	12205.	47.1	12617.
94.1	11360.	76.5	11775.	73.5	12172.
97.1	7929.	85.3	11360.	88.2	11742.
100.0	7649.	94.1	10960.	94.1	11328.
		97.1	7935.	97.1	7908.
		100.0	7655.	100.0	7629.

TABLE 21 (Continued)

FLOW DURATION DATA AT SUNSHINE FOR 2020 LOAD CONDITIONS

WEEK=19 (4 FEB-10 FEB)		WEEK=20 (11 FEB-17 FEB)		WEEK=21 (18 FEB-24 FEB)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	14703.	0.0	14554.	0.0	14229.
11.8	14199.	11.8	14059.	5.9	13755.
17.6	13242.	14.7	13121.	8.8	13297.
20.6	12788.	17.6	11829.	14.7	12427.
26.5	12350.	23.5	11427.	17.6	11613.
35.3	11926.	38.2	11039.	23.5	11226.
61.8	11518.	64.7	10664.	32.3	10852.
73.5	11123.	76.5	10302.	55.9	10491.
94.1	10741.	91.2	9952.	70.6	10142.
97.1	7847.	97.1	7814.	88.2	9804.
100.0	7578.	100.0	7548.	94.1	9478.
				97.1	7735.
				100.0	7478.
WEEK=22 (25 FEB- 3 MAR)		WEEK=23 (4 MAR-10 MAR)		WEEK=24 (11 MAR-17 MAR)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	13855.	0.0	11667.	0.0	11066.
2.9	11269.	2.9	11343.	2.9	10790.
5.9	10887.	5.9	11027.	14.7	10520.
8.8	10519.	8.8	10721.	26.5	10257.
23.5	10162.	14.7	10423.	38.2	10001.
50.0	9818.	29.4	10133.	52.9	9751.
70.6	9486.	52.9	9852.	67.6	9507.
82.3	9165.	64.7	9578.	85.3	9270.
94.1	8855.	85.3	9312.	94.1	8812.
97.1	7454.	94.1	9053.	97.1	7018.
100.0	7202.	97.1	7025.	100.0	6842.
		100.0	6830.		

TABLE 21 (Continued)

FLOW DURATION DATA AT SUNSHINE FOR 2020 LOAD CONDITIONS

WEEK=25 (18 MAR-24 MAR)		WEEK=26 (25 MAR-31 MAR)		WEEK=27 (1 APR- 7 APR)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	11202.	0.0	13219.	0.0	12228.
5.9	10638.	35.3	12772.	14.7	11842.
17.6	10367.	91.2	12339.	50.0	11468.
32.3	10103.	97.1	7110.	88.2	11105.
52.9	9845.	100.0	6869.	97.1	6861.
70.6	9594.			100.0	6644.
85.3	9350.				
91.2	9111.				
94.1	8879.				
97.1	7038.				
100.0	6858.				

WEEK=28 (8 APR-14 APR)		WEEK=29 (15 APR-21 APR)		WEEK=30 (22 APR-28 APR)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	12395.	0.0	10968.	0.0	11106.
2.9	12107.	2.9	10645.	2.9	8956.
17.6	11825.	5.9	8900.	8.8	8422.
47.1	11549.	8.8	7898.	14.7	8167.
85.3	11280.	11.8	7665.	32.3	7920.
94.1	11017.	20.6	7440.	38.2	7448.
97.1	8109.	32.3	7221.	47.1	7223.
100.0	7920.	44.1	7009.	52.9	7004.
		61.8	6803.	70.6	6792.
		67.6	6602.	85.3	6586.
		91.2	6408.	94.1	6387.
		100.0	6220.	100.0	6194.

TABLE 21 (Continued)

FLOW DURATION DATA AT SUNSHINE FOR 2020 LOAD CONDITIONS

WEEK=31 (29 APR- 5 MAY)		WEEK=32 (6 MAY-12 MAY)		WEEK=33 (13 MAY-19 MAY)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	15706.	0.0	29592.	0.0	40471.
2.9	15169.	2.9	27776.	2.9	32380.
5.9	14151.	8.8	24472.	5.9	30060.
8.8	13668.	11.8	20239.	8.8	27906.
11.8	12315.	14.7	18997.	14.7	25907.
14.7	11488.	23.5	17831.	23.5	24050.
23.5	11096.	26.5	15711.	32.3	22327.
26.5	10717.	32.3	14747.	50.0	19242.
32.3	10351.	44.1	13842.	58.8	17864.
41.2	9997.	55.9	12993.	67.6	16584.
50.0	9656.	61.8	12196.	70.6	15395.
55.9	9326.	73.5	10745.	82.3	14292.
67.6	9008.	76.5	10086.	85.3	13268.
79.4	8700.	91.2	9467.	88.2	12318.
91.2	8403.	100.0	8886.	97.1	10616.
100.0	8116.			100.0	9855.

WEEK=34 (20 MAY-26 MAY)		WEEK=35 (27 MAY- 2 JUN)		WEEK=36 (3 JUN- 9 JUN)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	49063.	0.0	46131.	0.0	96525.
2.9	45869.	8.8	44003.	2.9	60054.
5.9	42882.	14.7	41974.	5.9	55487.
8.8	37480.	23.5	40038.	8.8	47369.
11.8	35040.	29.4	38191.	26.5	43767.
14.7	32759.	32.3	36430.	35.3	40439.
17.6	30626.	44.1	34749.	38.2	37364.
23.5	28632.	50.0	33147.	47.1	34522.
26.5	26768.	52.9	31618.	64.7	31897.
41.2	25025.	64.7	28768.	76.5	29471.
58.8	23396.	70.6	27442.	88.2	27230.
73.5	21873.	73.5	26176.	97.1	23246.
76.5	19117.	76.5	24969.	100.0	21479.
79.4	17873.	82.3	22718.		
85.3	16709.	85.3	21671.		
88.2	15621.	88.2	20671.		
97.1	14604.	97.1	19718.		
100.0	13653.	100.0	18808.		

TABLE 21 (Continued)

FLOW DURATION DATA AT SUNSHINE FOR 2020 LOAD CONDITIONS

WEEK=37 (10 JUN-16 JUN)		WEEK=38 (17 JUN-23 JUN)		WEEK=39 (24 JUN-30 JUN)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	79340.	0.0	78503.	0.0	74368.
2.9	74841.	2.9	67830.	2.9	71560.
5.9	66594.	5.9	64605.	5.9	68858.
8.8	62817.	8.8	58608.	8.8	61348.
14.7	59255.	11.8	55821.	11.8	59031.
20.6	55895.	20.6	53167.	14.7	54657.
23.5	52725.	23.5	50640.	17.6	52593.
26.5	49735.	32.3	48232.	26.5	50607.
32.3	46915.	38.2	45939.	29.4	48696.
41.2	44254.	47.1	43755.	44.1	46857.
50.0	41745.	58.8	41674.	55.9	45088.
61.8	39377.	67.6	39693.	73.5	43385.
64.7	37144.	73.5	37806.	79.4	41747.
73.5	35038.	76.5	36008.	82.3	38653.
79.4	33051.	82.3	34297.	91.2	37194.
85.3	31177.	88.2	32666.	100.0	35789.
91.2	29409.	100.0	31113.		
97.1	27741.				
100.0	26168.				
WEEK=40 (1 JUL- 7 JUL)		WEEK=41 (8 JUL-14 JUL)		WEEK=42 (15 JUL-21 JUL)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	57545.	0.0	84257.	0.0	73245.
2.9	54305.	2.9	66785.	2.9	70214.
11.8	52754.	5.9	63751.	8.8	64524.
17.6	51247.	8.8	60856.	11.8	61854.
20.6	49784.	14.7	58092.	14.7	56841.
38.2	48362.	17.6	55454.	26.5	54488.
41.2	46981.	26.5	52935.	35.3	52234.
44.1	45639.	35.3	50531.	38.2	50072.
50.0	44336.	44.1	48236.	47.1	48000.
52.9	43070.	52.9	46045.	64.7	46014.
61.8	41840.	55.9	43954.	67.6	44110.
76.5	40645.	64.7	41958.	73.5	42285.
82.3	39484.	73.5	40052.	82.3	38858.
88.2	38357.	91.2	38233.	85.3	37250.
97.1	34159.	97.1	36497.	91.2	35708.
100.0	33184.	100.0	34839.	97.1	34231.
				100.0	32814.

TABLE 21 (Continued)

FLOW DURATION DATA AT SUNSHINE FOR 2020 LOAD CONDITIONS

WEEK=43 (22 JUL-28 JUL)		WEEK=44 (29 JUL- 4 AUG)		WEEK=45 (5 AUG-11 AUG)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	67329.	0.0	66987.	0.0	78952.
2.9	62224.	5.9	62160.	2.9	72782.
5.9	59818.	8.8	59879.	5.9	64418.
11.8	57505.	14.7	57682.	14.7	61849.
20.6	55282.	17.6	55565.	17.6	57016.
26.5	53144.	29.4	53525.	26.5	54742.
32.3	51090.	35.3	51561.	41.2	52559.
38.2	49114.	50.0	49669.	50.0	50464.
47.1	47215.	55.9	47846.	55.9	48452.
58.8	45390.	58.8	46090.	70.6	46520.
67.6	43635.	70.6	44398.	79.4	44665.
73.5	41948.	76.5	42769.	88.2	42884.
79.4	38767.	88.2	39687.	94.1	41174.
88.2	37268.	91.2	38231.	97.1	37956.
91.2	34442.	94.1	36828.	100.0	36443.
97.1	33110.	97.1	34174.		
100.0	31830.	100.0	32920.		

WEEK=46 (12 AUG-18 AUG)		WEEK=47 (19 AUG-25 AUG)		WEEK=48 (26 AUG- 1 SEP)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	120183.	0.0	90397.	0.0	83599.
2.9	101764.	5.9	83986.	2.9	63541.
5.9	67138.	8.8	62577.	8.8	59329.
11.8	61780.	17.6	58139.	11.8	55396.
14.7	56849.	26.5	54015.	14.7	48296.
32.3	52311.	32.3	50184.	17.6	45094.
47.1	48136.	47.1	46625.	32.3	42105.
64.7	44294.	58.8	43318.	47.1	39314.
85.3	40759.	67.6	40246.	64.7	36708.
91.2	37506.	88.2	37392.	79.4	34275.
94.1	34512.	91.2	34740.	91.2	32003.
97.1	26890.	97.1	24048.	97.1	24325.
100.0	24744.	100.0	22343.	100.0	22712.

TABLE 21 (Continued)

FLOW DURATION DATA AT SUNSHINE FOR 2020 LOAD CONDITIONS

WEEK=49 (2 SEP- 8 SEP)		WEEK=50 (9 SEP-15 SEP)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	61405.	0.0	52954.
5.9	55572.	8.8	48260.
8.8	50294.	11.8	46072.
11.8	47846.	14.7	43983.
14.7	45517.	23.5	41988.
26.5	43302.	26.5	40084.
29.4	39189.	29.4	38266.
41.2	37281.	35.3	36531.
52.9	35467.	41.2	34874.
61.8	33740.	58.8	33293.
73.5	32098.	61.8	31783.
76.5	30536.	70.6	30342.
82.3	29049.	73.5	27652.
88.2	27635.	88.2	26398.
91.2	26290.	94.1	25201.
94.1	25011.	97.1	22968.
100.0	23793.	100.0	21926.

WEEK=51 (16 SEP-22 SEP)		WEEK=52 (23 SEP-30 SEP)		
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE ^{1/} (CFS)	DISCHARGE ^{2/} (CFS)
0.0	60399.	0.0	79129.	69238.
2.9	52649.	2.9	44278.	38743.
5.9	49155.	8.8	40194.	35170.
8.8	42847.	17.6	36487.	31926.
11.8	40004.	32.3	33122.	28982.
14.7	34870.	35.3	30067.	26309.
29.4	32556.	44.1	27294.	23882.
41.2	30396.	58.8	24777.	21680.
47.1	28378.	73.5	22491.	19680.
52.9	26495.	82.3	20417.	17865.
64.7	24737.	85.3	18534.	16217.
73.5	23095.	91.2	15273.	13364.
85.3	21562.	97.1	13864.	12131.
91.2	18796.	100.0	12585.	11012.
97.1	17548.			
100.0	16384.			

^{1/} The values in this Column represent the total flow between Sept. 23 and 30, divided by 7.

^{2/} The flows in this column represent the mean flow for the 8 day period, Sept. 23 to 30.

TABLE 22

**Flow Duration Data at
Susitna Station for 2020 Load Conditions**

TABLE 22

FLOW DURATION DATA AT SUSITNA STATION FOR 2020 LOAD CONDITIONS

WEEK= 1 (1 OCT- 7 OCT)		WEEK= 2 (8 OCT-14 OCT)		WEEK= 3 (15 OCT-21 OCT)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	68380.	0.0	85083.	0.0	59836.
11.8	59638.	2.9	70697.	8.8	55679.
17.6	55695.	5.9	58744.	11.8	48210.
20.6	52013.	8.8	53548.	14.7	44861.
29.4	48575.	20.6	48812.	17.6	41744.
41.2	45363.	26.5	44494.	20.6	38843.
47.1	42364.	44.1	40559.	41.2	36144.
50.0	39564.	58.8	36971.	61.8	33633.
52.9	36948.	67.6	33701.	70.6	31296.
55.9	34505.	79.4	30720.	73.5	29122.
70.6	32224.	88.2	25526.	88.2	27098.
76.5	30094.	91.2	21210.	91.2	20316.
85.3	26246.	97.1	16065.	97.1	16369.
91.2	24511.	100.0	14644.	100.0	15232.
97.1	19964.				
100.0	18644.				
WEEK= 4 (22 OCT-28 OCT)		WEEK= 5 (29 OCT- 4 NOV)		WEEK= 6 (5 NOV-11 NOV)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	51394.	0.0	45982.	0.0	46686.
5.9	48384.	2.9	40797.	2.9	38813.
8.8	45551.	5.9	36197.	5.9	34317.
14.7	40371.	8.8	34095.	8.8	32268.
17.6	38007.	20.6	32115.	17.6	30341.
20.6	35781.	26.5	30250.	29.4	28530.
26.5	33685.	38.2	28494.	41.2	26826.
38.2	31712.	47.1	26839.	47.1	25225.
50.0	29855.	58.8	25281.	58.8	23719.
67.6	28106.	70.6	23813.	67.6	22303.
76.5	26460.	73.5	22430.	79.4	20971.
79.4	24910.	79.4	21128.	82.3	19719.
82.3	23451.	88.2	19901.	85.3	18542.
85.3	20785.	91.2	17657.	91.2	16394.
88.2	19567.	97.1	15666.	94.1	15415.
91.2	18421.	100.0	14756.	100.0	14494.
97.1	17342.				
100.0	16327.				

TABLE 22 (Continued)

FLOW DURATION DATA AT SUSITNA STATION FOR 2020 LOAD CONDITIONS

WEEK= 7 (12 NOV-18 NOV)		WEEK= 8 (19 NOV-25 NOV)		WEEK= 9 (26 NOV- 2 DEC)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	44358.	0.0	30970.	0.0	29751.
2.9	32585.	2.9	28124.	5.9	27227.
5.9	30636.	5.9	26801.	11.8	26047.
11.8	28803.	11.8	25540.	17.6	24918.
20.6	27080.	17.6	24338.	23.5	23837.
23.5	25459.	29.4	23193.	41.2	22804.
32.3	23936.	44.1	22101.	52.9	21815.
47.1	22504.	47.1	21061.	61.8	19965.
67.6	21158.	61.8	20070.	67.6	19099.
70.6	19892.	67.6	19126.	79.4	18271.
82.3	18702.	70.6	18226.	85.3	15997.
85.3	17583.	82.3	16551.	88.2	14640.
88.2	16531.	85.3	15030.	91.2	14005.
91.2	14612.	88.2	14323.	97.1	13398.
100.0	13738.	97.1	13007.	100.0	12817.
		100.0	12395.		

WEEK=10 (3 DEC- 9 DEC)		WEEK=11 (10 DEC-16 DEC)		WEEK=12 (17 DEC-23 DEC)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	27938.	0.0	26143.	0.0	24270.
2.9	25363.	2.9	23911.	2.9	23274.
5.9	24166.	11.8	22868.	14.7	21404.
17.6	23026.	17.6	21870.	32.3	20525.
38.2	21939.	41.2	20915.	50.0	19683.
47.1	20904.	55.9	20003.	58.8	18875.
58.8	19918.	67.6	19130.	73.5	18101.
67.6	18978.	70.6	18295.	82.3	17358.
76.5	18082.	82.3	17497.	85.3	16646.
88.2	17229.	85.3	16733.	88.2	14680.
91.2	14200.	88.2	16003.	94.1	12946.
94.1	12891.	94.1	12803.	97.1	11417.
97.1	11703.	97.1	11710.	100.0	10948.
100.0	11151.	100.0	11199.		

TABLE 22 (Continued)

FLOW DURATION DATA AT SUSITNA STATION FOR 2020 LOAD CONDITIONS

WEEK=13 (24 DEC-30 DEC)		WEEK=14 (31 DEC- 6 JAN)		WEEK=15 (7 JAN-13 JAN)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	23385.	0.0	21810.	0.0	20919.
5.9	21585.	2.9	21073.	2.9	20290.
14.7	20737.	8.8	20361.	5.9	19681.
32.3	19923.	29.4	19673.	17.6	19089.
52.9	19141.	32.3	19009.	23.5	18516.
61.8	18389.	35.3	18366.	41.2	17959.
79.4	17667.	44.1	17746.	55.9	17420.
85.3	16973.	73.5	17146.	73.5	16896.
88.2	15666.	82.3	16567.	88.2	16389.
94.1	15051.	85.3	16007.	94.1	15418.
97.1	11371.	94.1	14439.	97.1	12079.
100.0	10924.	97.1	11749.	100.0	11716.
		100.0	11352.		

WEEK=16 (14 JAN-20 JAN)		WEEK=17 (21 JAN-27 JAN)		WEEK=18 (28 JAN- 3 FEB)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	20558.	0.0	20255.	0.0	20148.
2.9	19984.	5.9	19683.	2.9	19601.
8.8	19427.	8.8	19127.	5.9	19069.
11.8	18886.	14.7	18587.	17.6	18551.
26.5	18359.	29.4	17551.	29.4	18047.
38.2	17847.	47.1	17056.	35.3	17557.
50.0	17350.	64.7	16574.	55.9	17080.
73.5	16866.	73.5	16106.	58.8	16616.
82.3	16396.	85.3	15651.	79.4	16165.
88.2	15939.	94.1	15209.	88.2	15726.
97.1	12358.	97.1	12093.	97.1	12274.
100.0	12013.	100.0	11751.	100.0	11941.

TABLE 22 (Continued)

FLOW DURATION DATA AT SUSITNA STATION FOR 2020 LOAD CONDITIONS

WEEK=19 (4 FEB-10 FEB)		WEEK=20 (11 FEB-17 FEB)		WEEK=21 (18 FEB-24 FEB)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	19984.	0.0	20225.	0.0	19629.
5.9	18949.	5.9	18541.	2.9	19092.
8.8	18452.	8.8	18011.	5.9	18061.
11.8	17968.	11.8	17497.	8.8	17567.
23.5	17496.	14.7	16997.	11.8	17086.
29.4	17037.	17.6	16512.	14.7	16619.
38.2	16590.	29.4	16040.	23.5	16164.
50.0	16155.	41.2	15582.	32.3	15722.
64.7	15731.	52.9	15137.	38.2	15292.
76.5	15318.	67.6	14704.	47.1	14874.
91.2	14525.	82.3	14284.	55.9	14467.
97.1	12383.	88.2	13876.	67.6	14071.
100.0	12058.	94.1	13480.	79.4	13686.
		97.1	12004.	94.1	12947.
		100.0	11661.	97.1	11913.
				100.0	11587.

WEEK=22 (25 FEB- 3 MAR)		WEEK=23 (4 MAR-10 MAR)		WEEK=24 (11 MAR-17 MAR)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	17385.	0.0	16125.	0.0	16260.
2.9	16245.	5.9	15457.	2.9	15180.
8.8	15881.	11.8	15133.	8.8	14500.
11.8	15526.	14.7	14816.	20.6	14171.
14.7	15179.	20.6	14506.	29.4	13850.
17.6	14839.	23.5	14202.	41.2	13536.
23.5	14507.	38.2	13905.	55.9	13229.
32.3	14183.	47.1	13614.	70.6	12930.
38.2	13866.	55.9	13329.	73.5	12637.
44.1	13556.	70.6	13049.	88.2	12350.
61.8	13252.	82.3	12776.	97.1	10763.
73.5	12956.	88.2	12509.	100.0	10519.
91.2	12106.	94.1	12247.		
97.1	11570.	97.1	11017.		
100.0	11312.	100.0	10786.		

TABLE 22 (Continued)

FLOW DURATION DATA AT SUSITNA STATION FOR 2020 LOAD CONDITIONS

WEEK=25 (18 MAR-24 MAR)		WEEK=26 (25 MAR-31 MAR)		WEEK=27 (1 APR- 7 APR)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	15906.	0.0	18762.	0.0	18125.
2.9	15558.	2.9	18181.	2.9	16568.
5.9	14884.	5.9	17617.	5.9	16079.
11.8	14239.	14.7	17072.	14.7	15605.
23.5	13928.	26.5	16543.	29.4	15144.
35.3	13623.	52.9	16030.	50.0	14698.
44.1	13324.	76.5	15534.	76.5	14264.
55.9	13033.	91.2	15053.	91.2	13843.
67.6	12747.	97.1	10649.	97.1	10573.
79.4	12468.	100.0	10319.	100.0	10261.
91.2	12195.				
97.1	10678.				
100.0	10445.				
WEEK=28 (8 APR-14 APR)		WEEK=29 (15 APR-21 APR)		WEEK=30 (22 APR-28 APR)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	18893.	0.0	15545.	0.0	20856.
2.9	16558.	2.9	15018.	2.9	18163.
8.8	16127.	5.9	14510.	5.9	16564.
17.6	15708.	11.8	13085.	11.8	15819.
26.5	15299.	17.6	11801.	14.7	15106.
38.2	14900.	32.3	11401.	23.5	13776.
50.0	14512.	35.3	11015.	29.4	12564.
85.3	13767.	38.2	10642.	38.2	11998.
94.1	13408.	47.1	10282.	41.2	11458.
97.1	11751.	55.9	9934.	52.9	10942.
100.0	11446.	64.7	9597.	67.6	10449.
		82.3	9272.	76.5	9979.
		91.2	8958.	91.2	9529.
		94.1	8655.	97.1	9100.
		97.1	8362.	100.0	8690.
		100.0	8079.		

TABLE 22 (Continued)

FLOW DURATION DATA AT SUSITNA STATION FOR 2020 LOAD CONDITIONS

WEEK=31
(29 APR- 5 MAY)WEEK=32
(6 MAY-12 MAY)WEEK=33
(13 MAY-19 MAY)

PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	47362.	0.0	90233.	0.0	84661.
5.9	43156.	5.9	80863.	5.9	78933.
8.8	39322.	11.8	72465.	11.8	73594.
11.8	35830.	20.6	58196.	17.6	68615.
14.7	32647.	26.5	52152.	26.5	63973.
20.6	29747.	35.3	46736.	32.3	59645.
23.5	27105.	38.2	41882.	41.2	55610.
38.2	24698.	47.1	37533.	50.0	51848.
41.2	22504.	50.0	33635.	61.8	48341.
44.1	18684.	52.9	30142.	70.6	45070.
52.9	17024.	61.8	27012.	76.5	42021.
58.8	15512.	67.6	24207.	82.3	39179.
61.8	14134.	73.5	21693.	91.2	36528.
67.6	12879.	85.3	19440.	94.1	25735.
79.4	11735.	88.2	17421.	97.1	23994.
91.2	10693.	91.2	13991.	100.0	22371.
94.1	8877.	97.1	12538.		
100.0	8089.	100.0	11236.		

WEEK=34
(20 MAY-26 MAY)WEEK=35
(27 MAY- 2 JUN)WEEK=36
(3 JUN- 9 JUN)

PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	82948.	0.0	112509.	0.0	130988.
8.8	78703.	5.9	103797.	5.9	123691.
14.7	74675.	17.6	95760.	8.8	116800.
17.6	70854.	23.5	88346.	14.7	110294.
23.5	67228.	26.5	81505.	20.6	104149.
38.2	63787.	44.1	75195.	32.3	98347.
44.1	60523.	55.9	69372.	35.3	92869.
58.8	57425.	58.8	64001.	47.1	87695.
70.6	51698.	67.6	59046.	58.8	82810.
85.3	49052.	76.5	54474.	64.7	78197.
97.1	32221.	85.3	50256.	70.6	73840.
100.0	30572.	94.1	42775.	79.4	69727.
		97.1	26375.	82.3	65843.
		100.0	24333.	85.3	62175.
				88.2	58711.
				94.1	55440.
				97.1	46681.
				100.0	44081.

TABLE 22 (Continued)

FLOW DURATION DATA AT SUSITNA STATION FOR 2020 LOAD CONDITIONS

WEEK=37 (10 JUN-16 JUN)		WEEK=38 (17 JUN-23 JUN)		WEEK=39 (24 JUN-30 JUN)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	142875.	0.0	146836.	0.0	150855.
8.8	124006.	2.9	126271.	5.9	127307.
11.8	107629.	8.8	120078.	8.8	123058.
17.6	100271.	14.7	114188.	17.6	118951.
29.4	93415.	20.6	108587.	26.5	114982.
38.2	87029.	29.4	103260.	32.3	111144.
47.1	81079.	32.3	98195.	44.1	107435.
67.6	75535.	47.1	93379.	67.6	103849.
73.5	70371.	64.7	88799.	73.5	100383.
82.3	65560.	73.5	84443.	82.3	97033.
88.2	61077.	82.3	80301.	85.3	93795.
94.1	53011.	85.3	76362.	91.2	90665.
97.1	39934.	88.2	69055.	94.1	84714.
100.0	37204.	97.1	59383.	97.1	81887.
		100.0	56470.	100.0	79154.

WEEK=40 (1 JUL- 7 JUL)		WEEK=41 (8 JUL-14 JUL)		WEEK=42 (15 JUL-21 JUL)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	143413.	0.0	165340.	0.0	168648.
5.9	139222.	2.9	146261.	2.9	161771.
8.8	131204.	8.8	140404.	8.8	155174.
11.8	127370.	14.7	134781.	11.8	142776.
14.7	123648.	26.5	129383.	14.7	136954.
23.5	120035.	32.3	124202.	20.6	131369.
26.5	113123.	38.2	119228.	26.5	126011.
41.2	109817.	44.1	114454.	29.4	120873.
50.0	106608.	50.0	109870.	35.3	115944.
52.9	103493.	61.8	105470.	47.1	111216.
55.9	100469.	70.6	101247.	58.8	106680.
67.6	94683.	73.5	97192.	73.5	102330.
73.5	91916.	79.4	93300.	76.5	98157.
82.3	89230.	85.3	89564.	79.4	94154.
91.2	84092.	94.1	85977.	82.3	90315.
100.0	81634.	97.1	79229.	88.2	79710.
		100.0	76056.	100.0	76459.

TABLE 22 (Continued)

FLOW DURATION DATA AT SUSITNA STATION FOR 2020 LOAD CONDITIONS

WEEK=43 (22 JUL-28 JUL)		WEEK=44 (29 JUL- 4 AUG)		WEEK=45 (5 AUG-11 AUG)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	164334.	0.0	176331.	0.0	163454.
2.9	157321.	2.9	155757.	2.9	153526.
5.9	150608.	5.9	143392.	5.9	144202.
11.8	138029.	11.8	132010.	8.8	131266.
20.6	132139.	14.7	126662.	11.8	127218.
23.5	126501.	20.6	121530.	26.5	123294.
29.4	121103.	29.4	116607.	35.3	119491.
35.3	115935.	41.2	111883.	41.2	115806.
38.2	110988.	47.1	107350.	52.9	112234.
44.1	106252.	50.0	103001.	55.9	108772.
52.9	101718.	64.7	98829.	61.8	105417.
55.9	97378.	76.5	94825.	73.5	102166.
70.6	93223.	82.3	90983.	82.3	99015.
79.4	89245.	85.3	87297.	85.3	95961.
82.3	85437.	88.2	83761.	91.2	93001.
88.2	81791.	100.0	80368.	100.0	90133.
91.2	78301.				
94.1	74960.				
100.0	71761.				
WEEK=46 (12 AUG-18 AUG)		WEEK=47 (19 AUG-25 AUG)		WEEK=48 (26 AUG- 1 SEP)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	202197.	0.0	136482.	0.0	117922.
2.9	179678.	2.9	130846.	2.9	109819.
5.9	150513.	5.9	125443.	5.9	105979.
8.8	141884.	11.8	120263.	8.8	102273.
11.8	133750.	20.6	110535.	11.8	95245.
23.5	126082.	29.4	105971.	17.6	91915.
26.5	118854.	35.3	101595.	23.5	88701.
41.2	112040.	44.1	97400.	29.4	85599.
44.1	105617.	52.9	93378.	38.2	82606.
55.9	99562.	61.8	89522.	50.0	79717.
76.5	93854.	70.6	82281.	52.9	76930.
85.3	88474.	88.2	78883.	61.8	74239.
91.2	83402.	97.1	63887.	70.6	71643.
94.1	74113.	100.0	61249.	79.4	69138.
97.1	69864.			85.3	66720.
100.0	65859.			91.2	64387.
				94.1	62136.
				100.0	59963.

TABLE 22 (Continued)

FLOW DURATION DATA AT SUSITNA STATION FOR 2020 LOAD CONDITIONS

WEEK=49 (2 SEP- 8 SEP)		WEEK=50 (9 SEP-15 SEP)	
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE (CFS)
0.0	97555.	0.0	98018.
2.9	93834.	8.8	93288.
8.8	86812.	14.7	88787.
14.7	83501.	17.6	84502.
23.5	80316.	29.4	80425.
26.5	77252.	32.3	72850.
32.3	74305.	50.0	69335.
44.1	71471.	58.8	65989.
50.0	68745.	64.7	59774.
55.9	66123.	73.5	56889.
61.8	63601.	79.4	51531.
70.6	61175.	82.3	49045.
76.5	58841.	85.3	46678.
79.4	54438.	91.2	44426.
85.3	50364.	97.1	40242.
88.2	48443.	100.0	38300.
100.0	46595.		

WEEK=51 (16 SEP-22 SEP)		WEEK=52 (23 SEP-30 SEP)		
PERCENT (%)	DISCHARGE (CFS)	PERCENT (%)	DISCHARGE ^{1/} (CFS)	DISCHARGE ^{2/} (CFS)
0.0	158912.	0.0	116180.	101658.
2.9	146880.	5.9	107880.	94395.
8.8	107199.	17.6	100172.	87651.
11.8	99083.	23.5	93015.	81388.
17.6	91581.	29.4	86369.	75573.
26.5	84647.	35.3	80199.	70174.
38.2	78238.	38.2	74469.	65160.
41.2	72315.	41.2	69148.	60505.
44.1	66840.	47.1	64208.	56182.
52.9	61779.	52.9	59620.	52168.
64.7	57102.	58.8	55361.	48441.
76.5	52778.	64.7	51405.	44979.
79.4	45089.	70.6	47733.	41766.
88.2	41675.	73.5	44322.	38782.
91.2	38520.	76.5	41156.	36012.
100.0	35603.	82.3	38215.	33438.
		94.1	30596.	26772.
		100.0	28410.	24859.

^{1/} The values in this column represent the total flow between Sept. 23 and 30, divided by 7.

^{2/} The flows in this column represent the mean flow for the 8 day period, Sept. 23 to 30.

EXHIBIT 1

Location Map

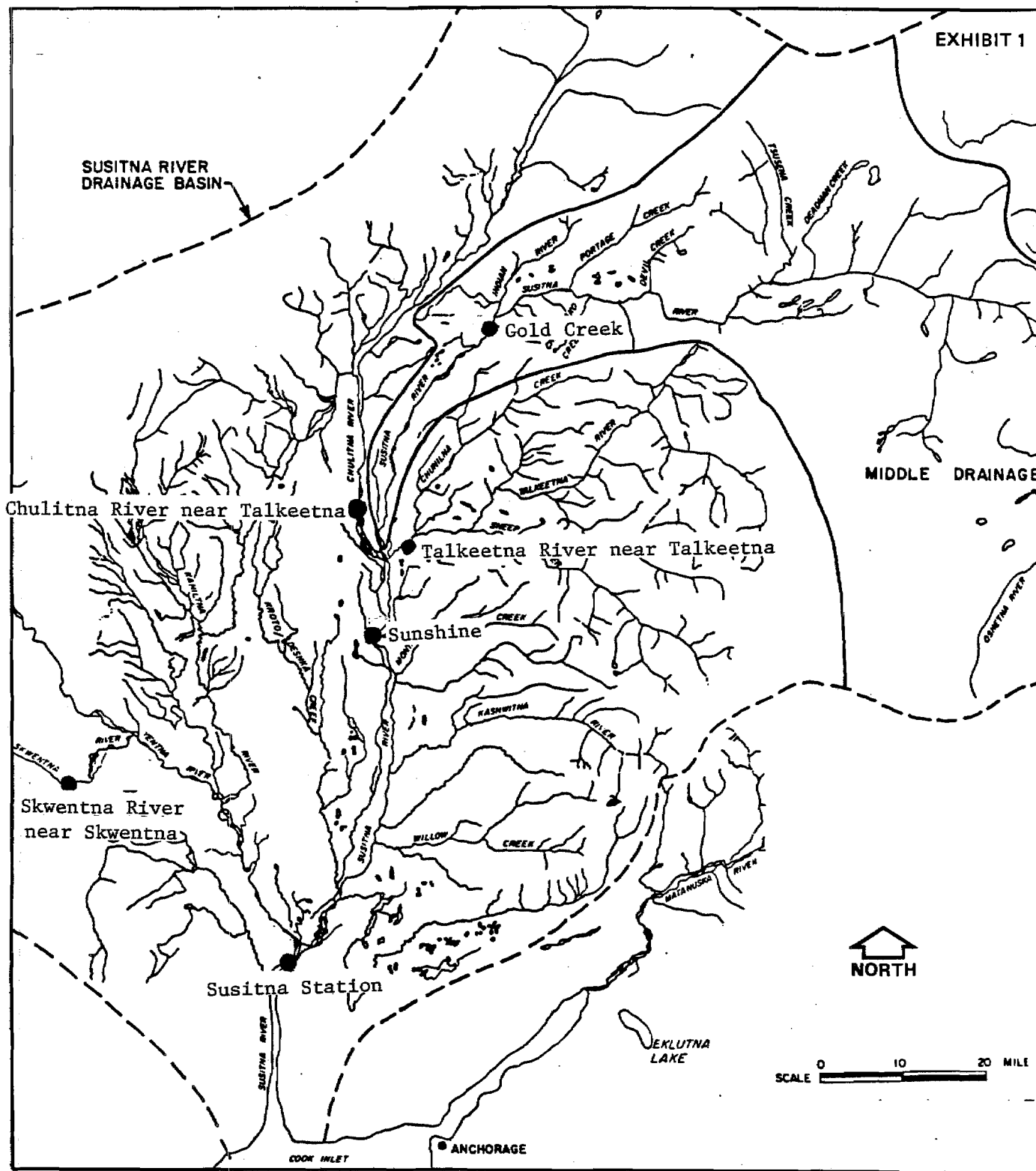
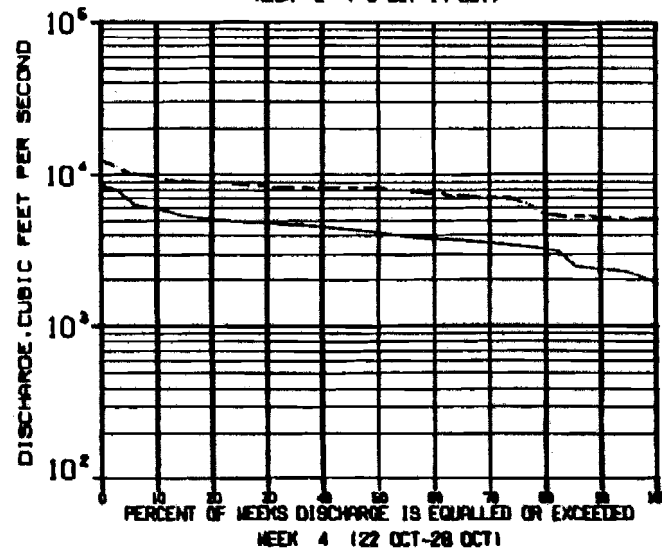
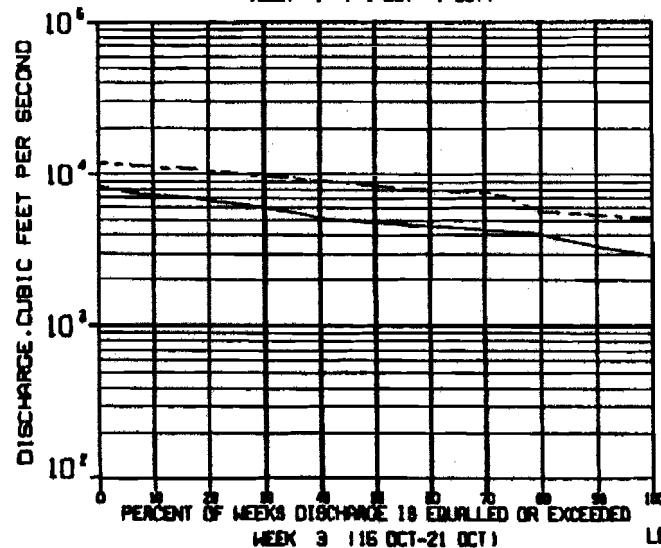
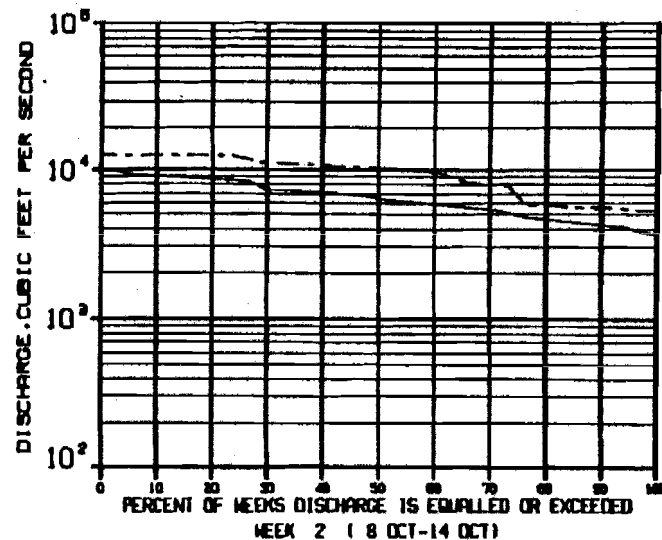
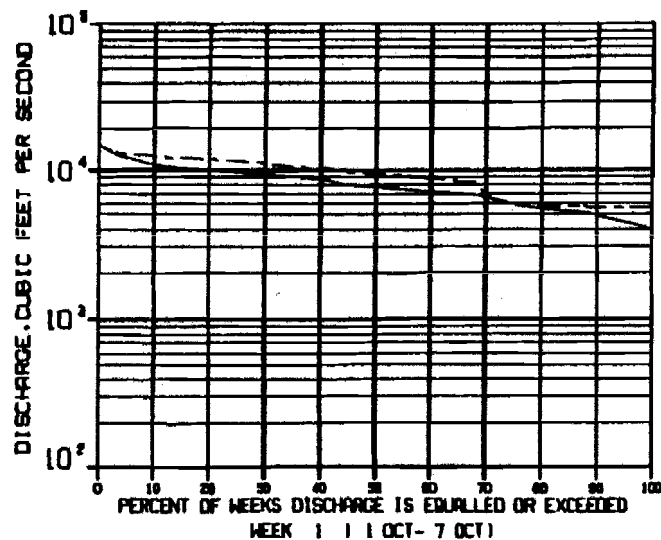


EXHIBIT 2

Available Mean Daily Streamflow Data

EXHIBIT 3

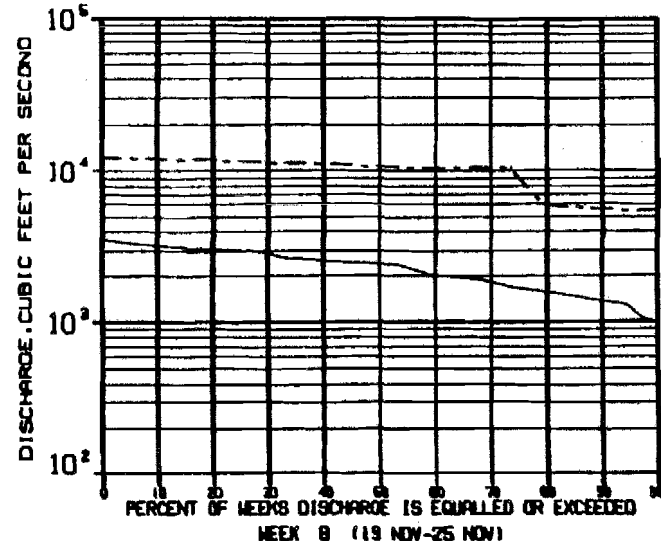
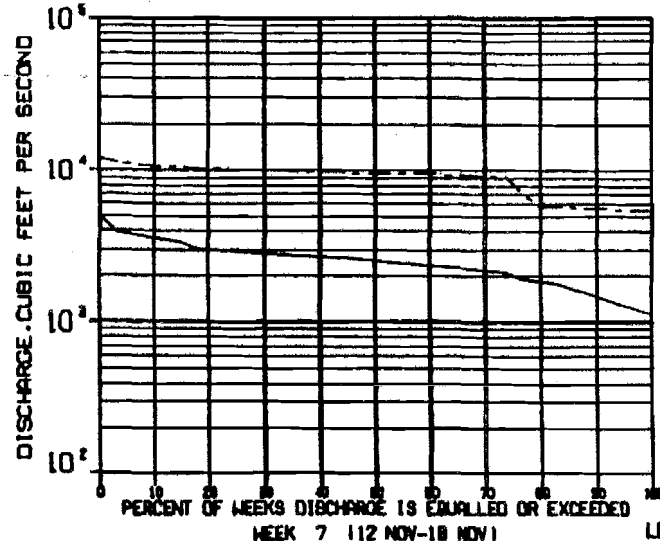
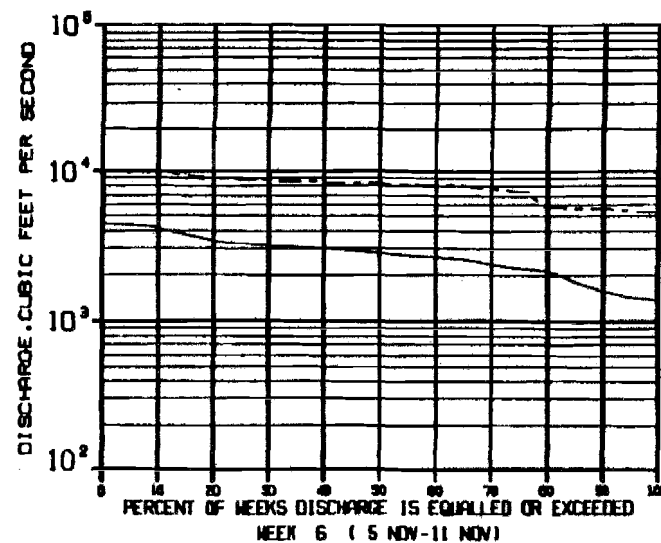
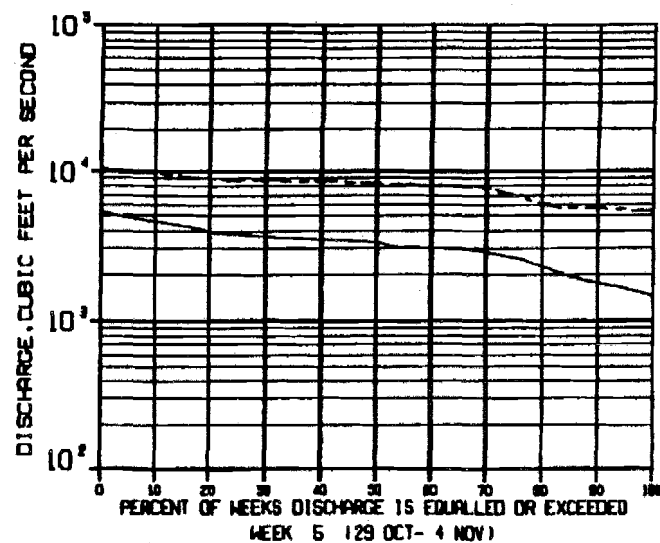
Flow Duration Curves Based on Weekly Discharge at Gold Creek for Natural Conditions and With-project for 1996 Load Conditions



LEGEND
 — NATURAL
 - - - WITH-PROJECT
 CASE C MINIMUM TARGET FLOWS
 FOR LOAD CONDITIONS 1996
 (NATANA ONLY)

NOTE: CURVES BASED ON OBSERVED WEEKLY FLOW
 1960-1983
 HARZA-EBASCO SUSITNA JOINT VENTURE JUNE 84

FLOW DURATION CURVES
 BASED ON WEEKLY DISCHARGE
 SUSITNA RIVER AT COLD CREEK

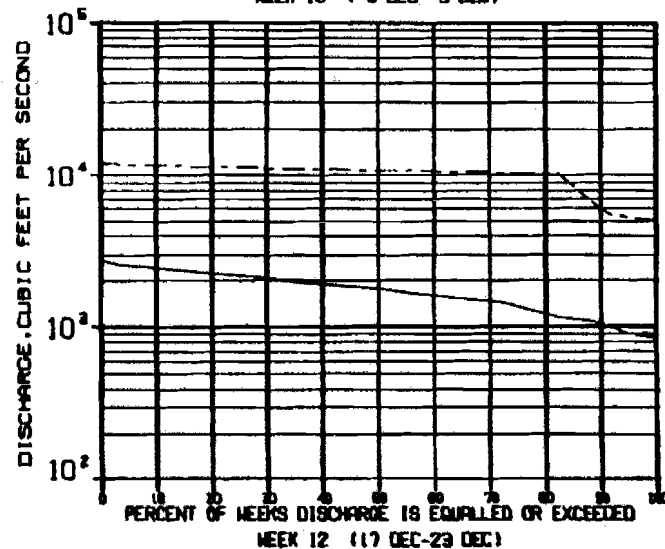
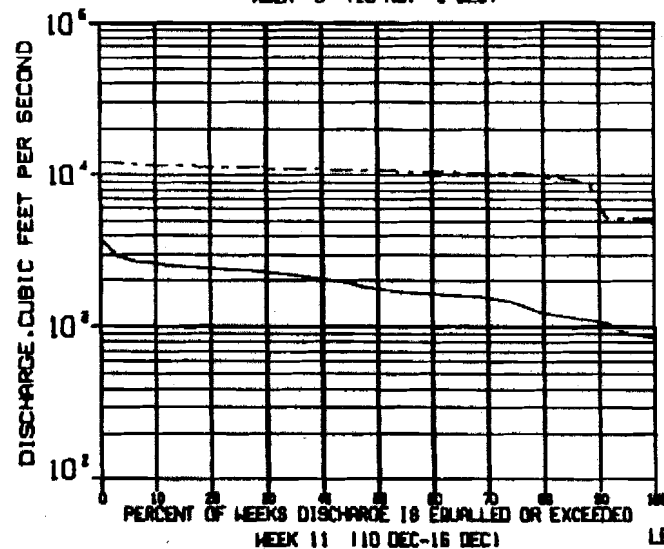
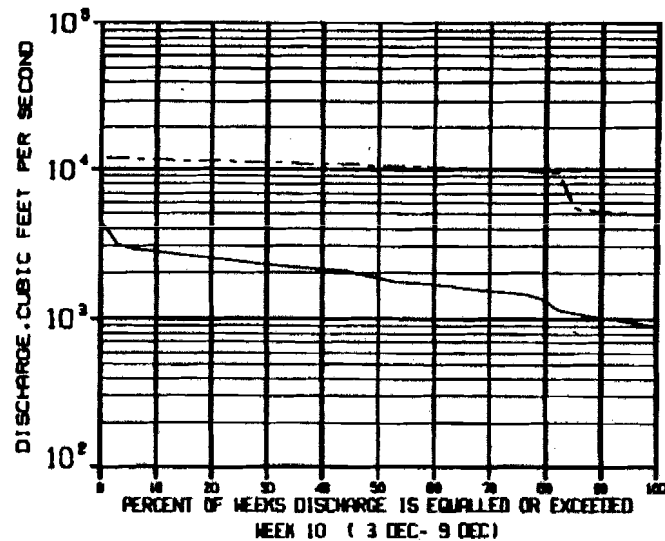
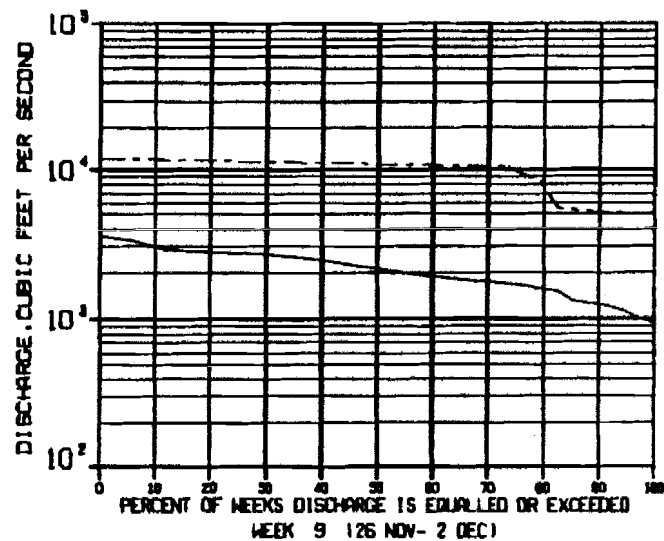


NOTE: CURVES BASED ON OBSERVED WEEKLY FLOW
1960-1983
HARZA-EBRACO SUSITNA JOINT VENTURE JUNE 84

LEGEND

—— NATURAL
----- WITH-PROJECT:
CASE C MINIMUM TARGET FLOWS
FOR LOAD CONDITIONS 1996
(WATANA ONLY)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUSITNA RIVER AT GOLD CREEK

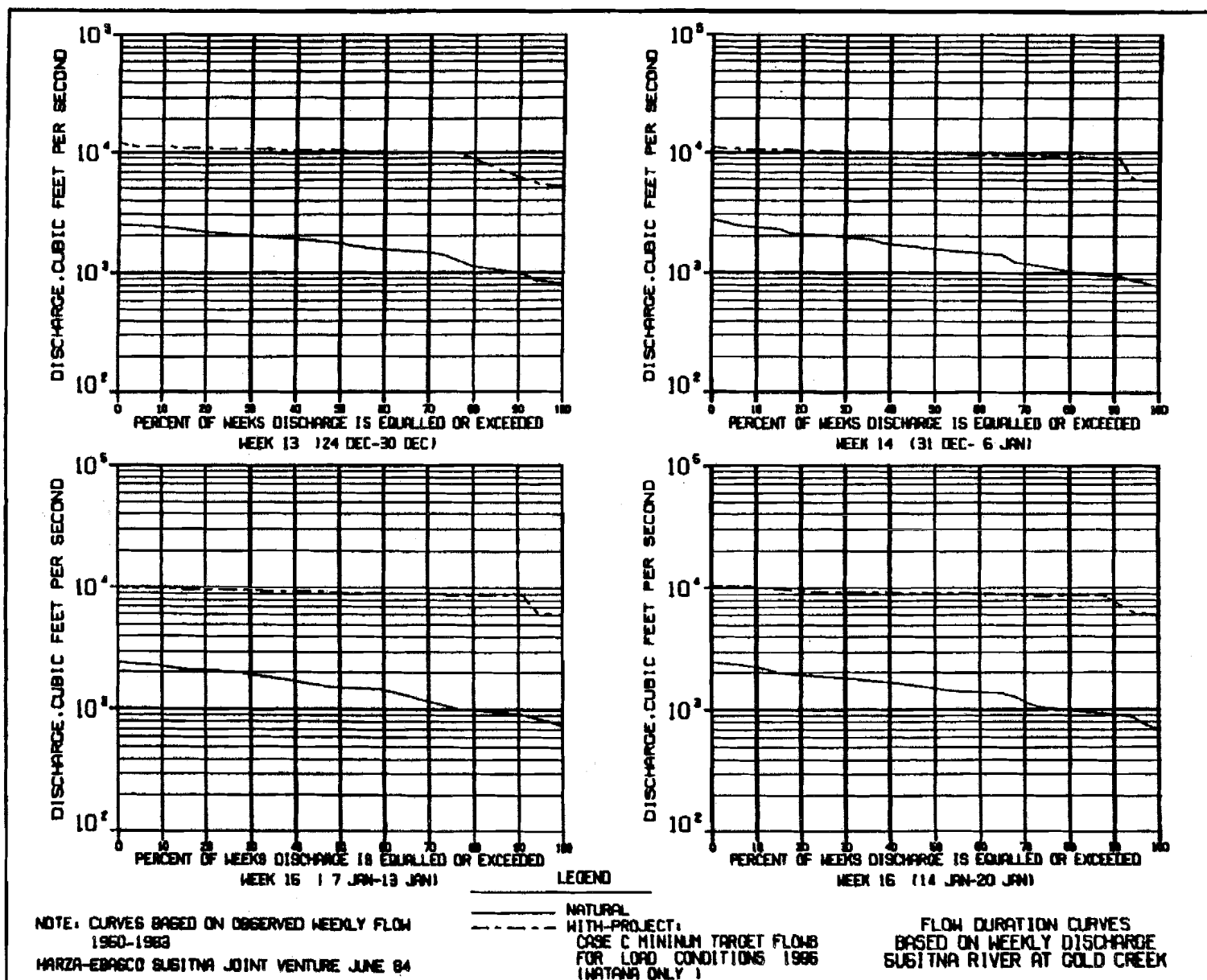


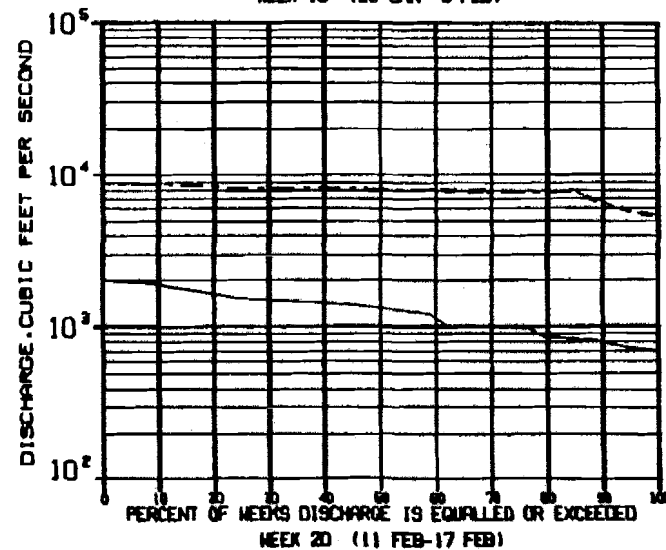
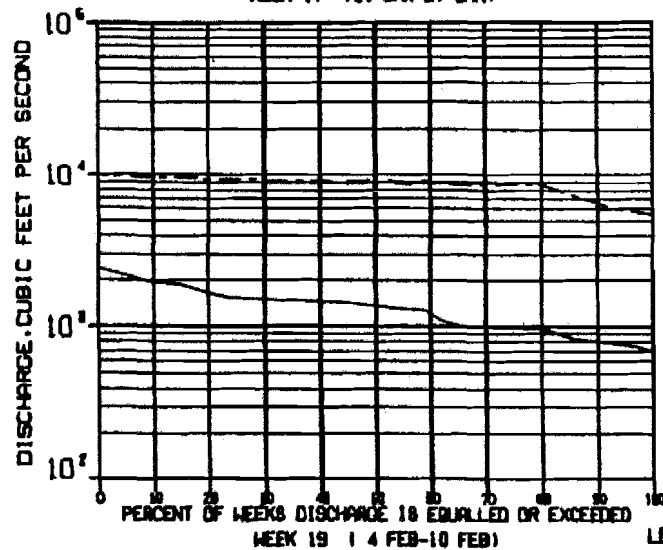
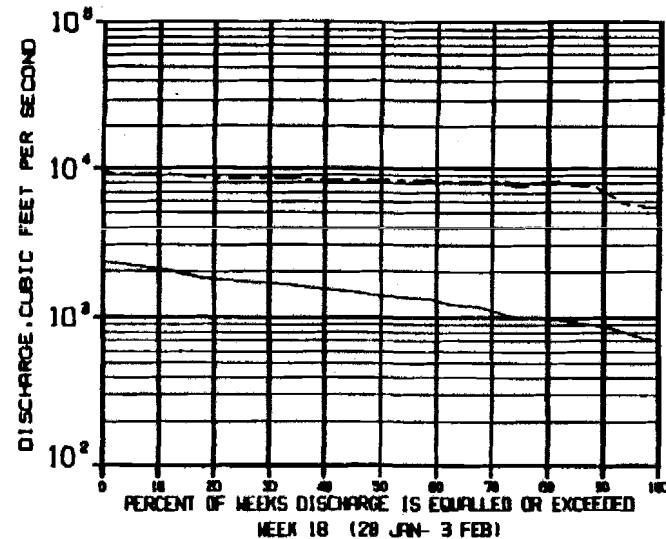
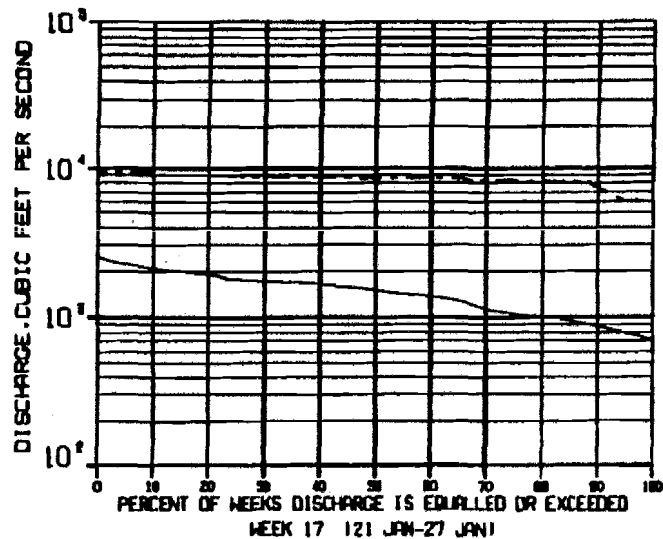
LEGEND

—— NATURAL
 - - - - WITH-PROJECT
 CASE C MINIMUM TARGET FLOWS
 FOR LOAD CONDITIONS 1996
 (WATANA ONLY)

NOTE: CURVES BASED ON OBSERVED WEEKLY FLOW
 1960-1983
 HARZA-EDBSCO SUSITNA JOINT VENTURE JUNE 84

FLOW DURATION CURVES
 BASED ON WEEKLY DISCHARGE
 SUSITNA RIVER AT COLD CREEK



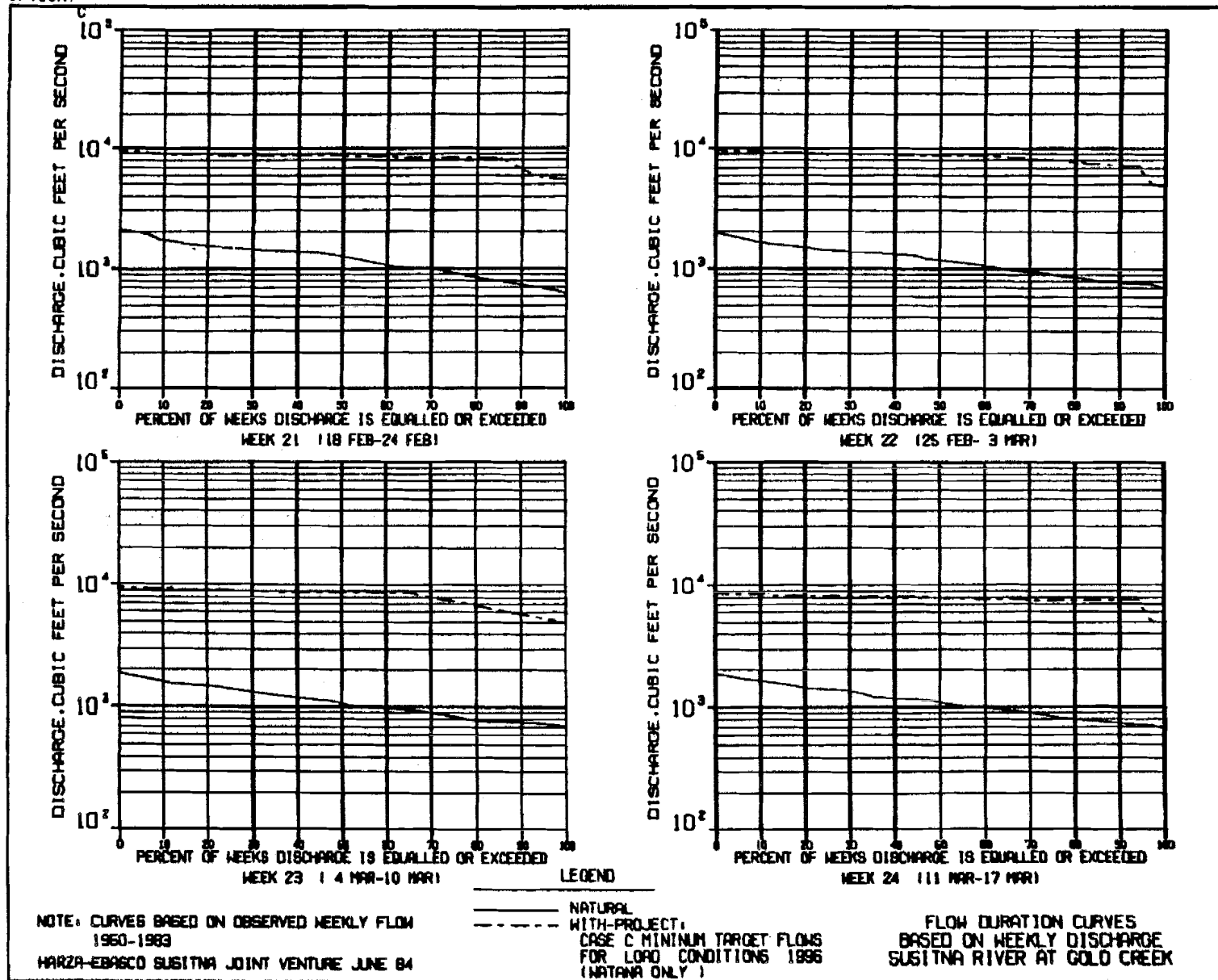


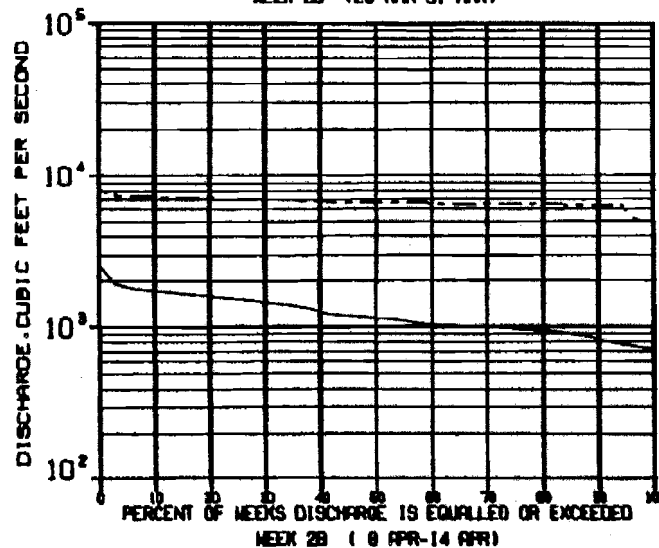
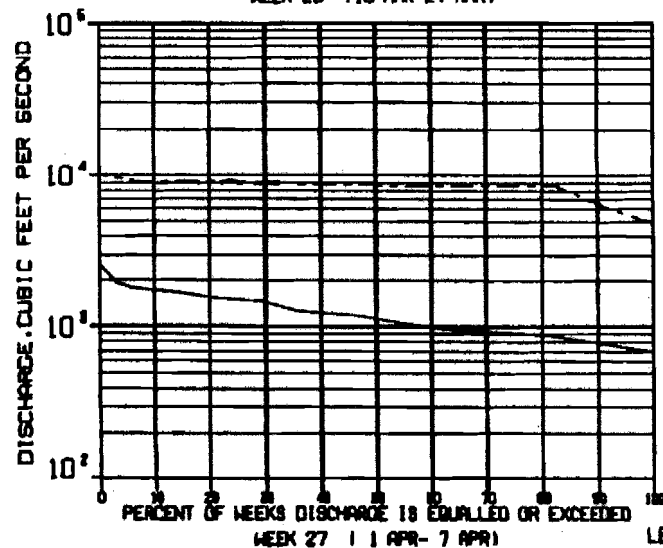
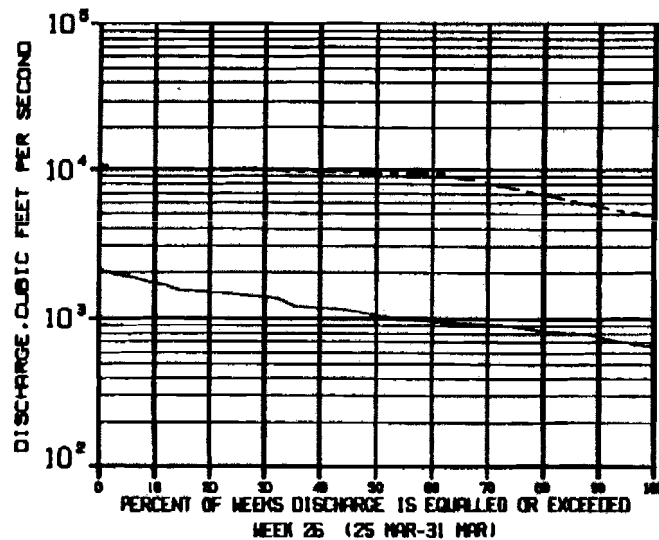
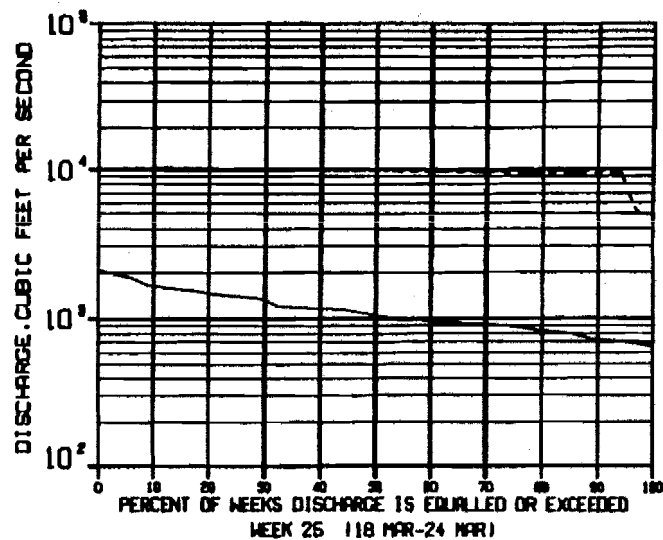
NOTE: CURVES BASED ON OBSERVED WEEKLY FLOW
1960-1983
HARZA-EBRACO SUSITNA JOINT VENTURE JUNE 84

LEGEND
—— NATURAL
---- WITH-PROJECT;
CASE C MINIMUM TARGET FLOWS
FOR LOAD CONDITIONS 1986
(NATANA ONLY)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUSITNA RIVER AT GOLD CREEK

OPTION?





LEGEND

— NATURAL

- - - WITH-PROJECT,

CASE C MINIMUM TARGET FLOW

FOR LOAD CONDITIONS 1996

(MATANA ONLY)

NOTE: CURVES BASED ON OBSERVED WEEKLY FLOW

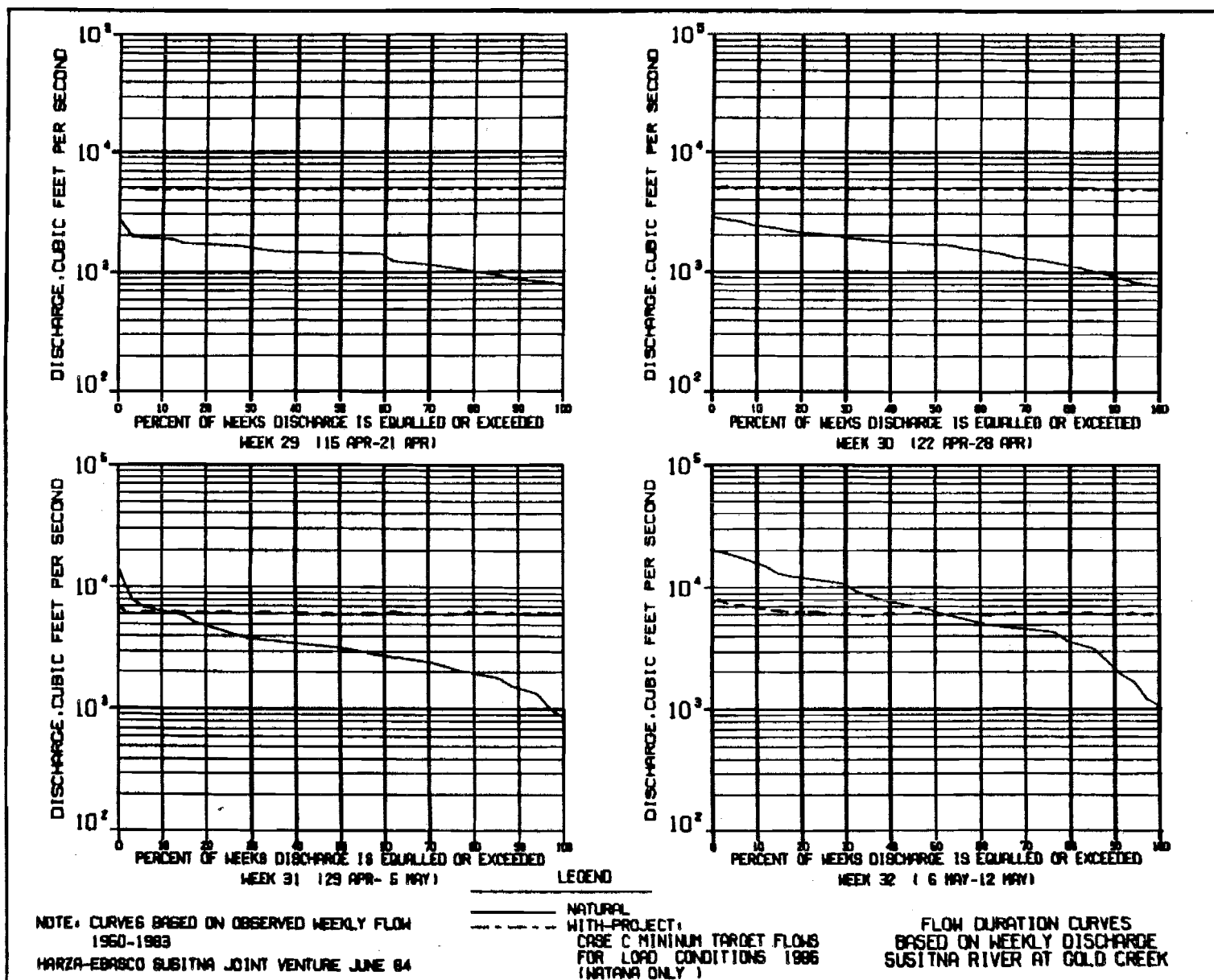
1960-1983

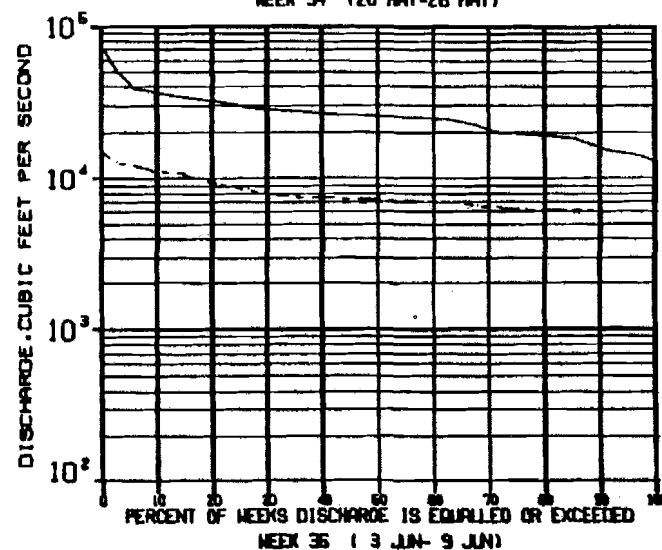
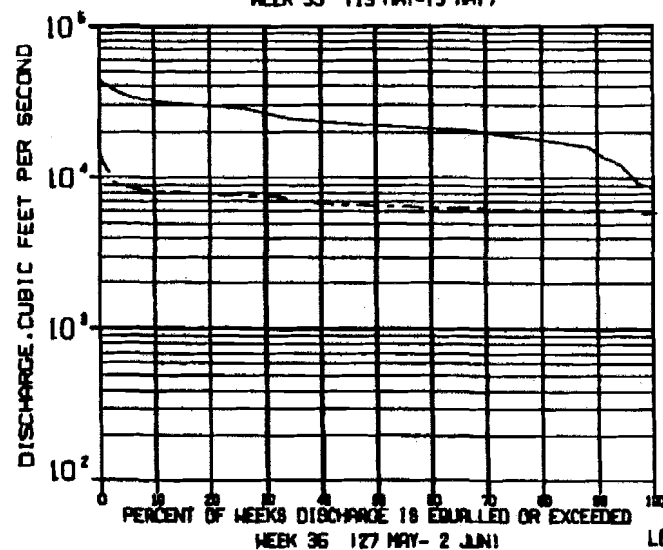
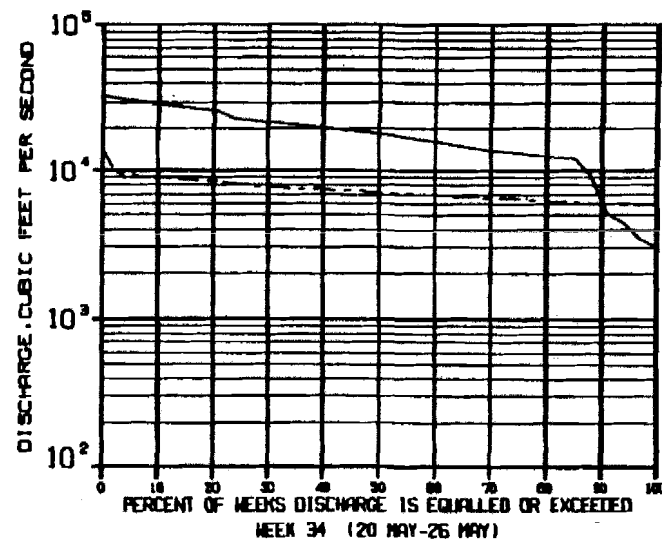
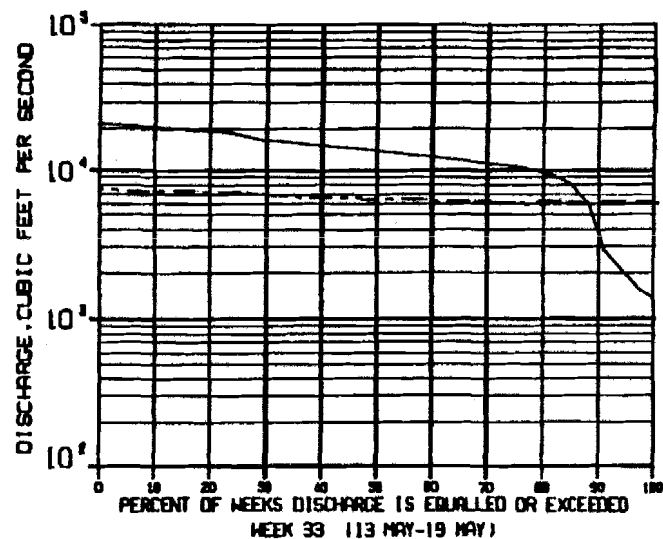
HARZA-EDASCO SUSITNA JOINT VENTURE JUNE 84

FLOW DURATION CURVES

BASED ON WEEKLY DISCHARGE

SUSITNA RIVER AT GOLD CREEK





LEGEND

— NATURAL

- - - WITH-PROJECT

CASE C MINIMUM TARGET FLOWS

FOR LOAD CONDITIONS 1996

(NATANA ONLY)

NOTE: CURVES BASED ON OBSERVED WEEKLY FLOW

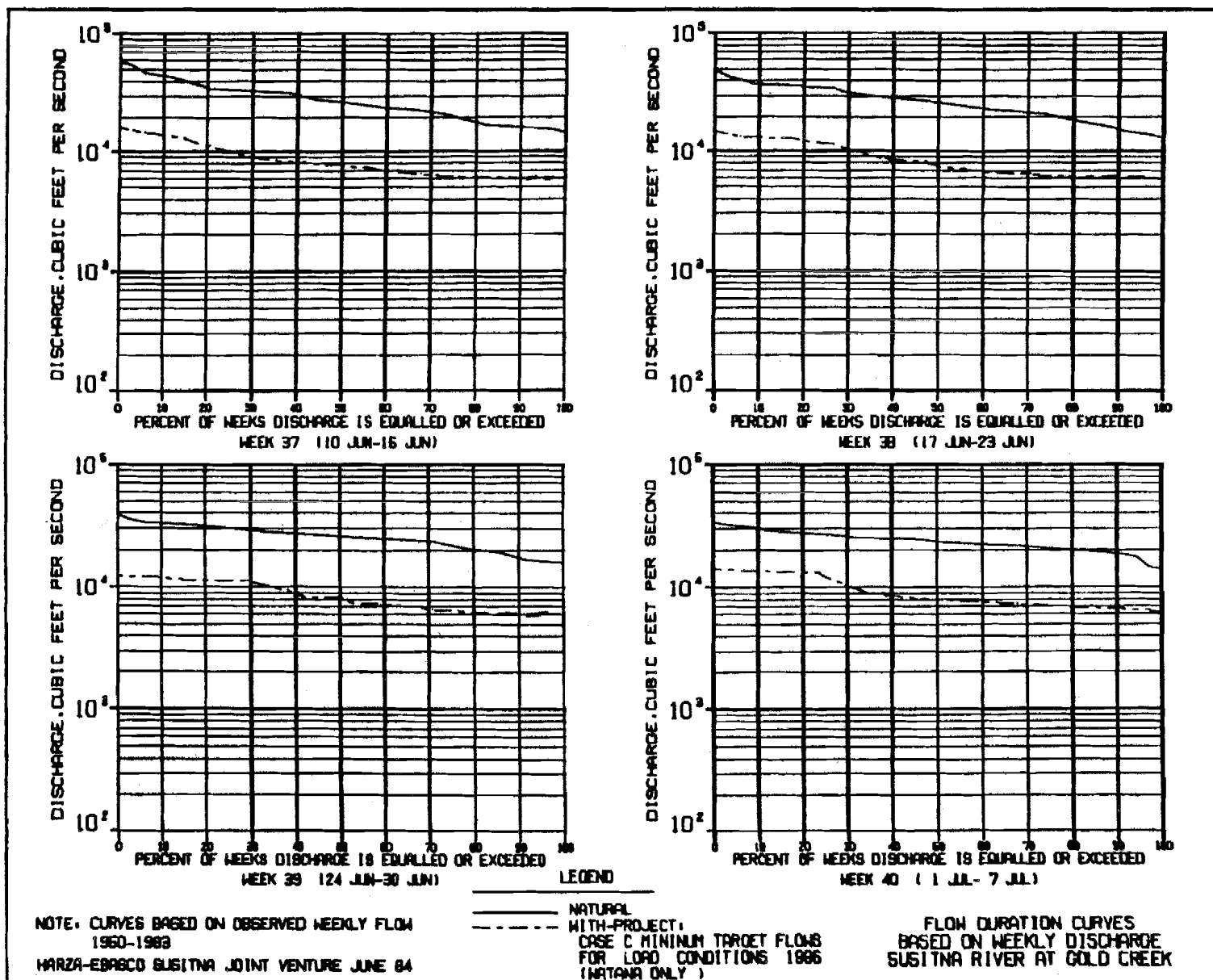
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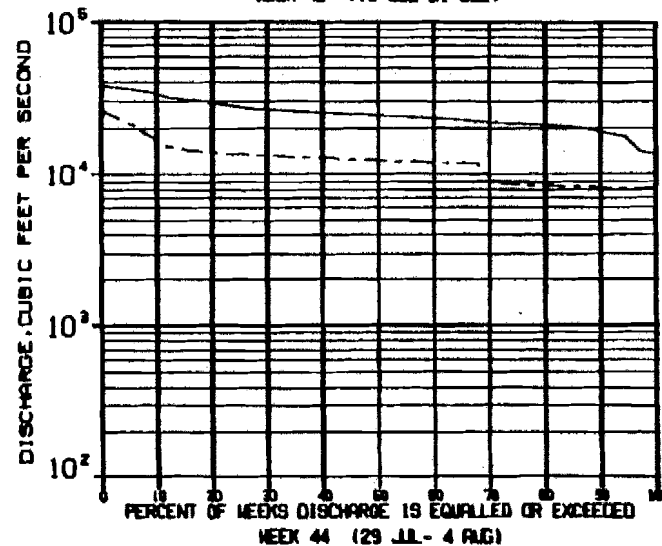
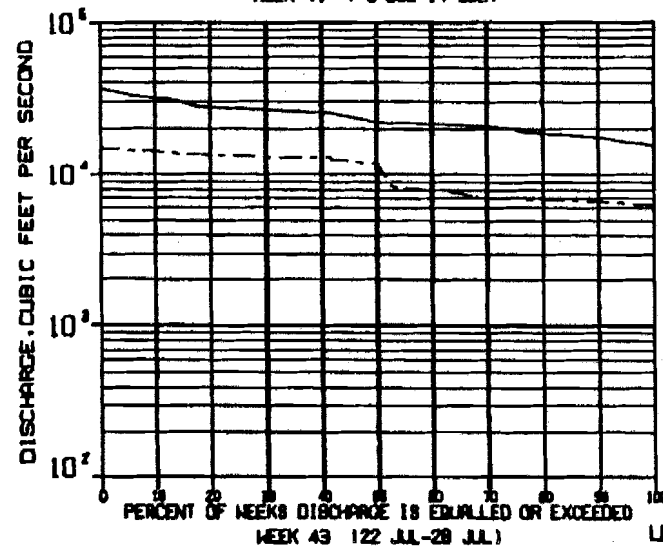
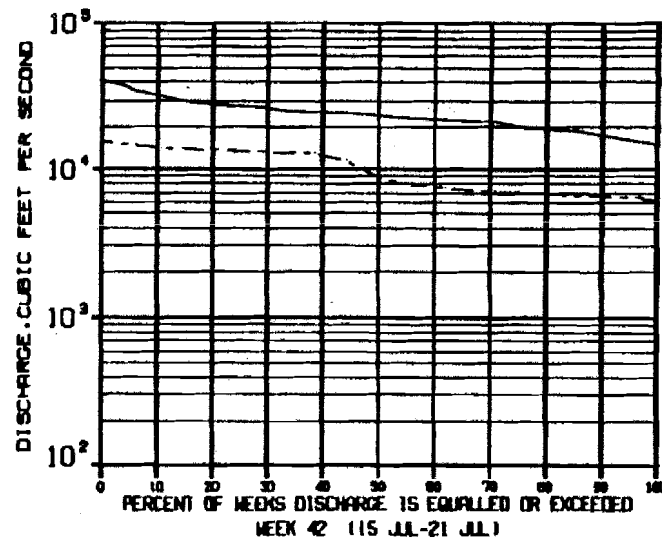
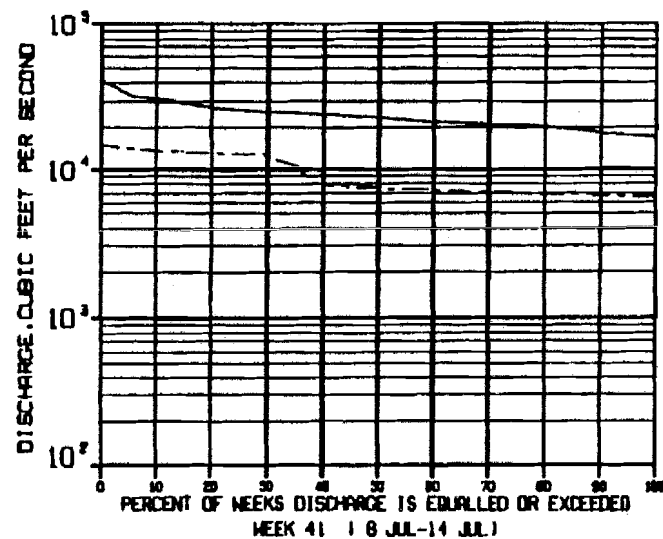
HARZA-EBASCO SUSITNA JOINT VENTURE JUNE 84

FLOW DURATION CURVES

BASED ON WEEKLY DISCHARGE

SUSITNA RIVER AT GOLD CREEK



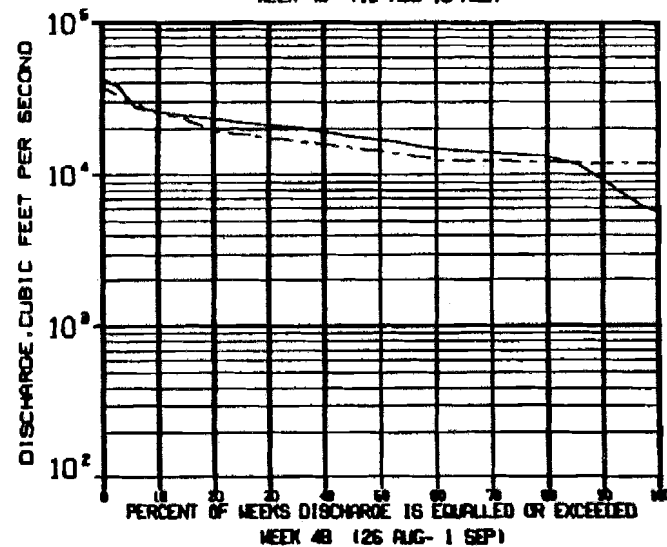
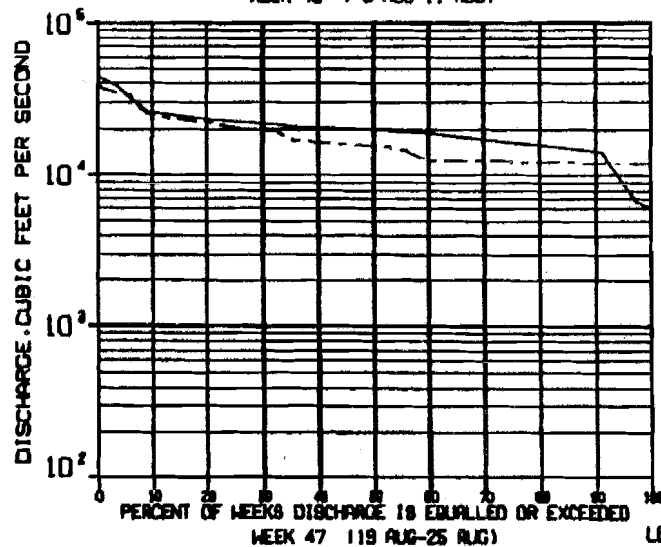
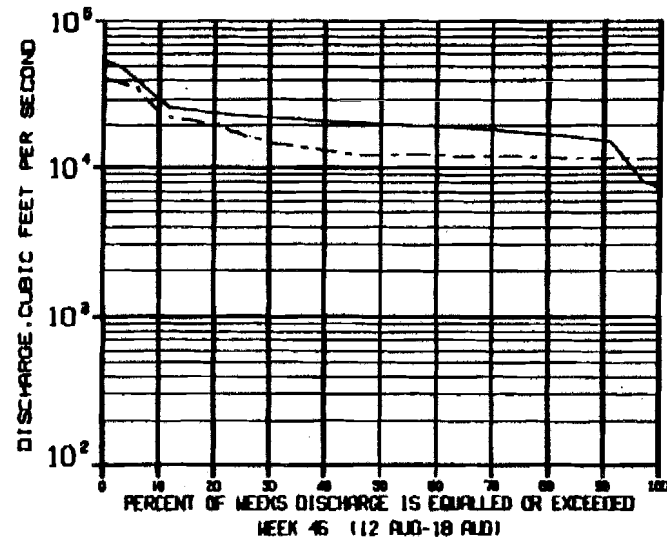
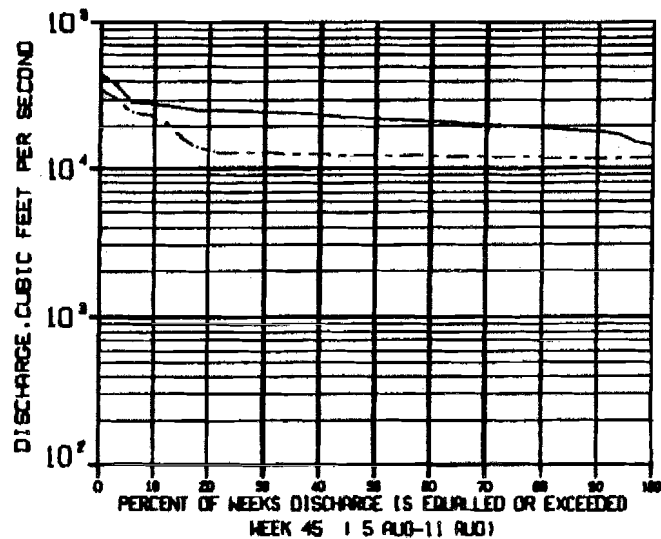


LEGEND

—— NATURAL
 ---- WITH-PROJECT,
 CASE C MINIMUM TARGET FLOWS
 FOR LOAD CONDITIONS 1996
 (WATANA ONLY)

NOTE: CURVES BASED ON OBSERVED WEEKLY FLOW
 1960-1983
 HARZA-EDRACO SUSITNA JOINT VENTURE JUNE 84

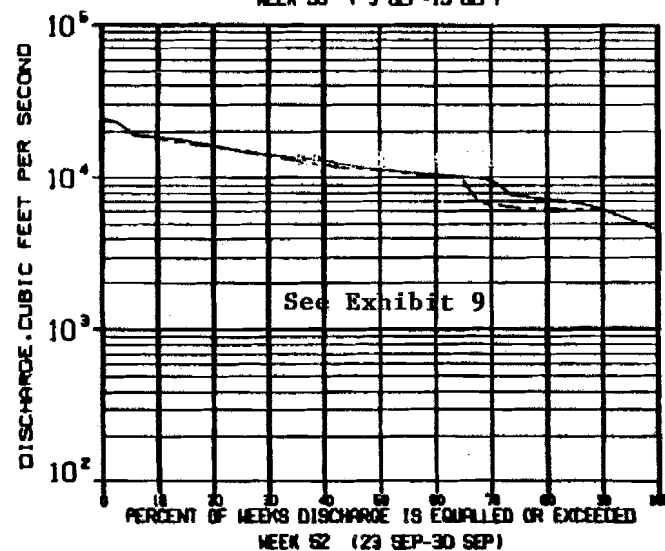
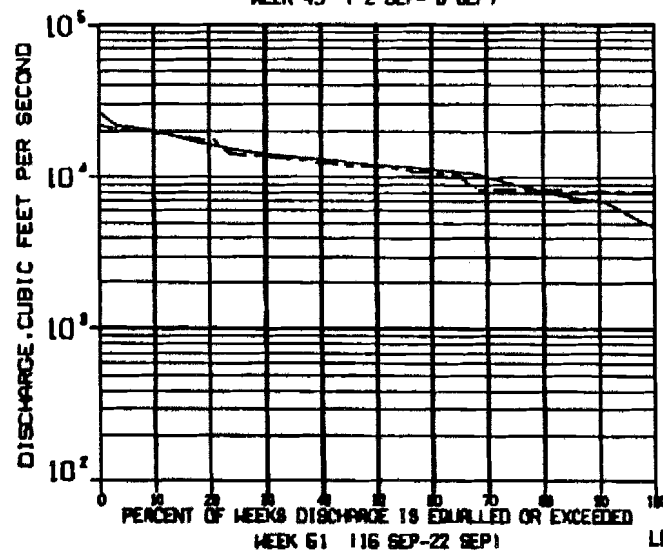
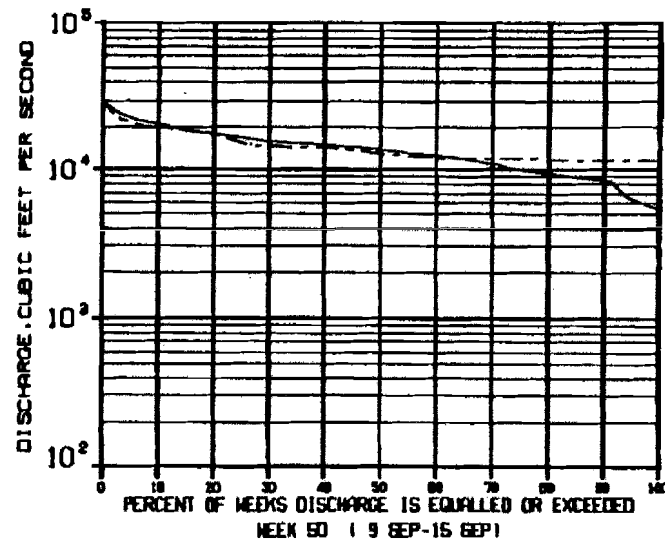
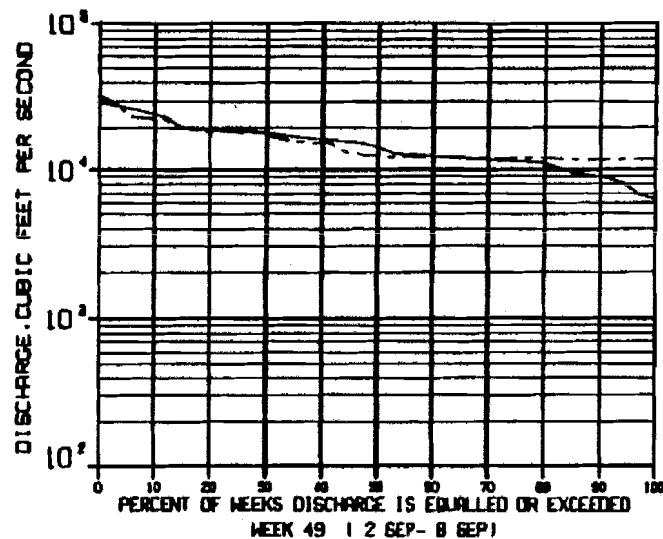
FLOW DURATION CURVES
 BASED ON WEEKLY DISCHARGE
 SUSITNA RIVER AT GOLD CREEK



NOTE: CURVES BASED ON OBSERVED WEEKLY FLOW
1960-1983
HARZA-EBASCO SUSITNA JOINT VENTURE JUNE 84

LEGEND
—— NATURAL
----- WITH-PROJECT,
CASE C MINIMUM TARGET FLOW
FOR LOAD CONDITIONS 1986
(WATANA ONLY)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUSITNA RIVER AT GOLD CREEK



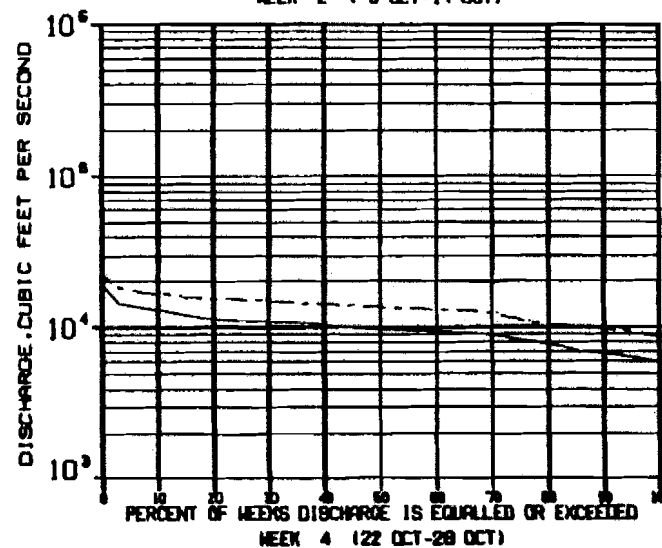
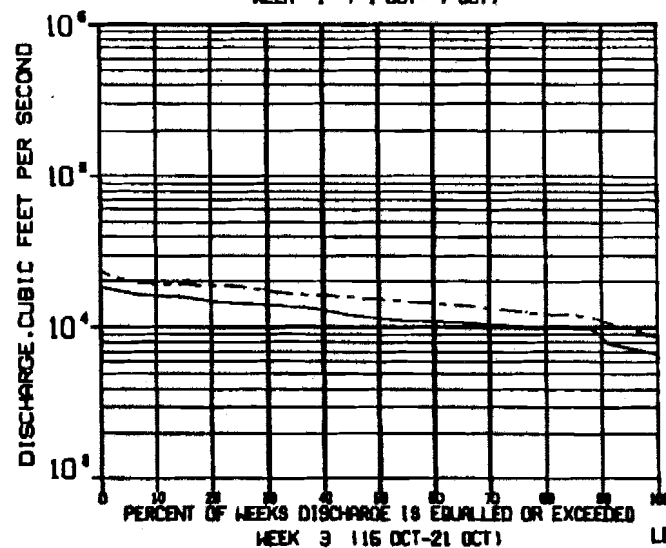
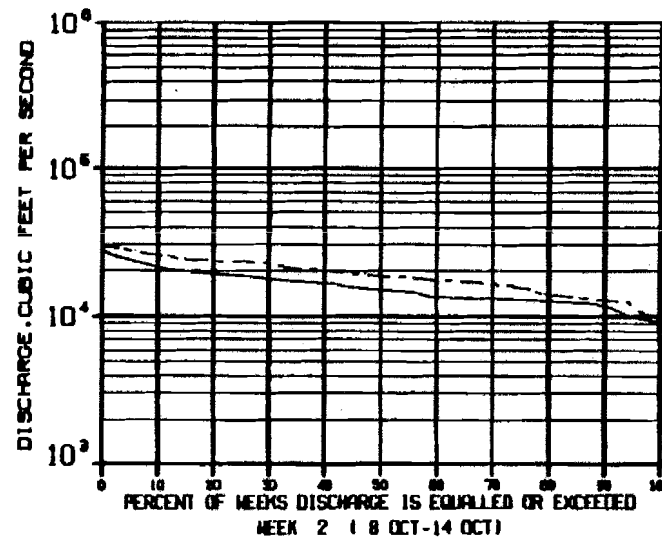
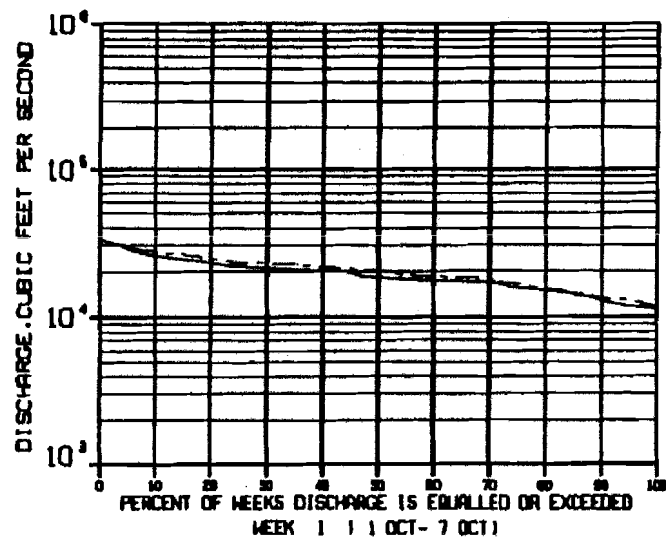
NOTE: CURVES BASED ON OBSERVED WEEKLY FLOW
1960-1993
HARZA-EDBSCO SUSITNA JOINT VENTURE JUNE 84

LEGEND
—— NATURAL
----- WITH-PROJECT
CASE C MINIMUM TARGET FLOWS
FOR LOAD CONDITIONS 1996
(WATANA ONLY)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUSITNA RIVER AT GOLD CREEK

EXHIBIT 4

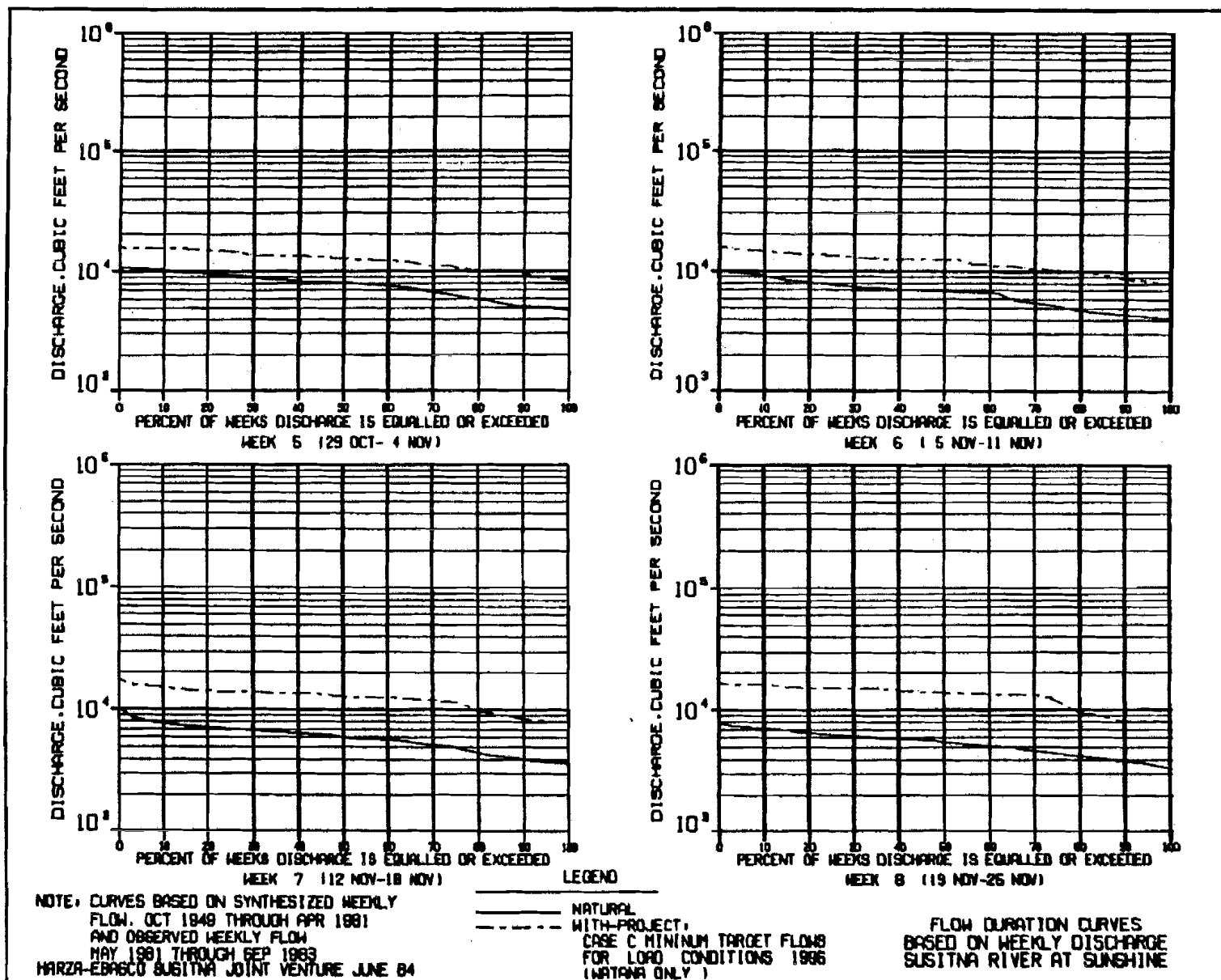
**Flow Duration Curves Based on
Weekly Discharge at Sunshine for
Natural Conditions and With-project for
1996 Load Conditions**

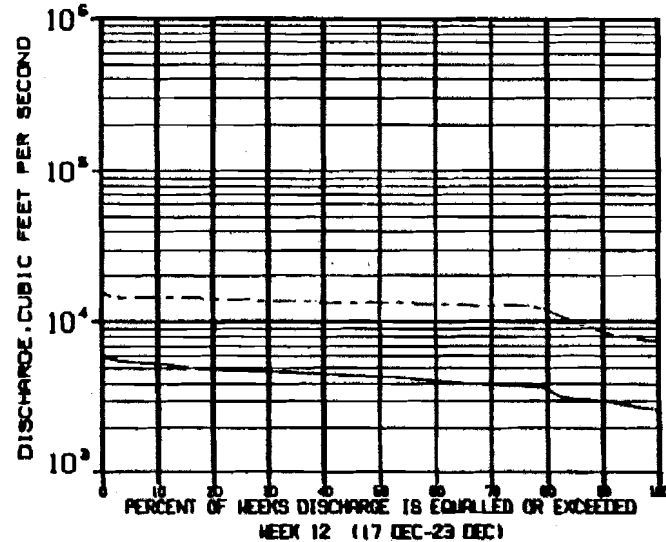
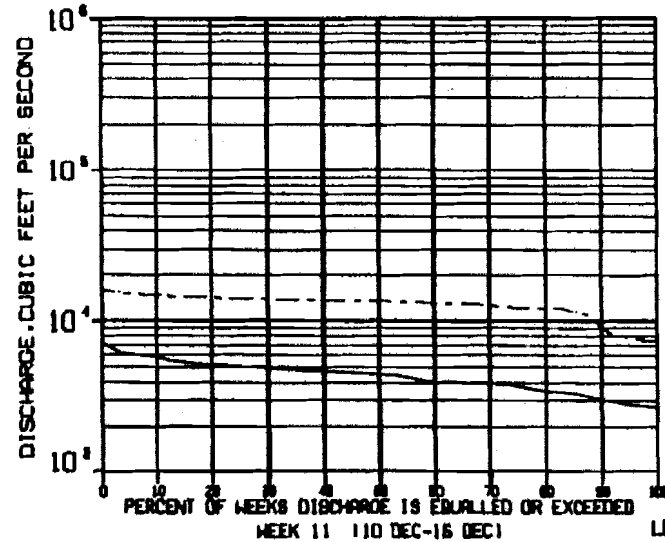
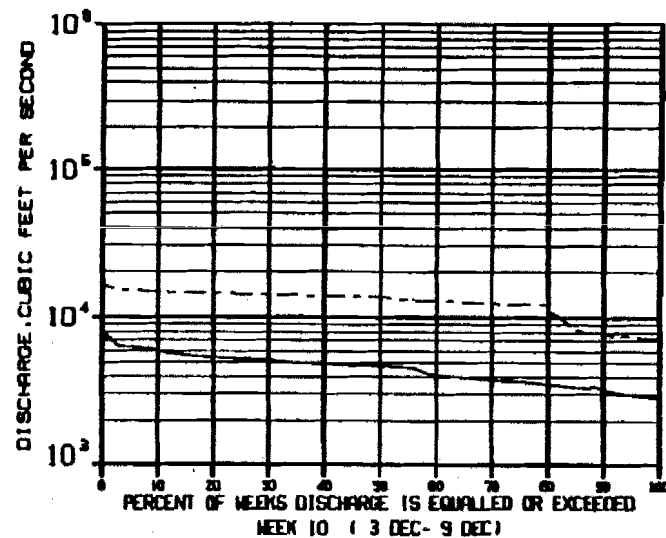
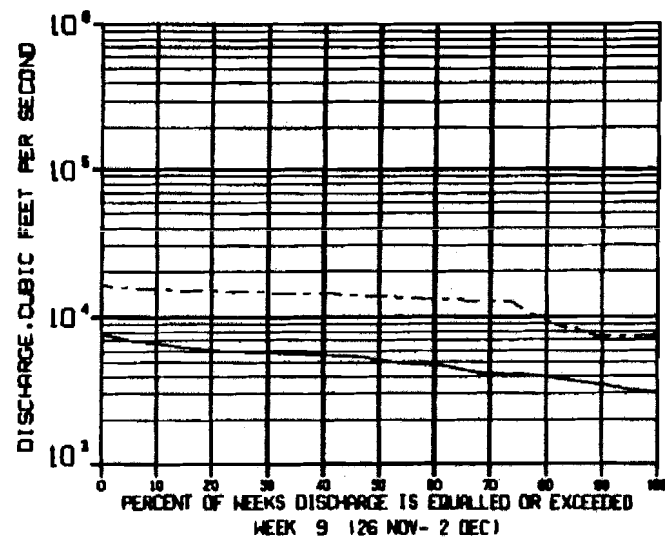


NOTE: CURVES BASED ON SYNTHESIZED WEEKLY
FLOW, OCT 1949 THROUGH APR 1981
AND OBSERVED WEEKLY FLOW
MAY 1981 THROUGH SEP 1983
HARZA-EBASCO BUSITNA JOINT VENTURE JUNE 84

LEGEND
—— NATURAL
----- WITH PROJECT
CASE C MINIMUM TARGET FLOWS
FOR LOAD CONDITIONS 1986
(NATANA ONLY)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUSITNA RIVER AT SUNSHINE



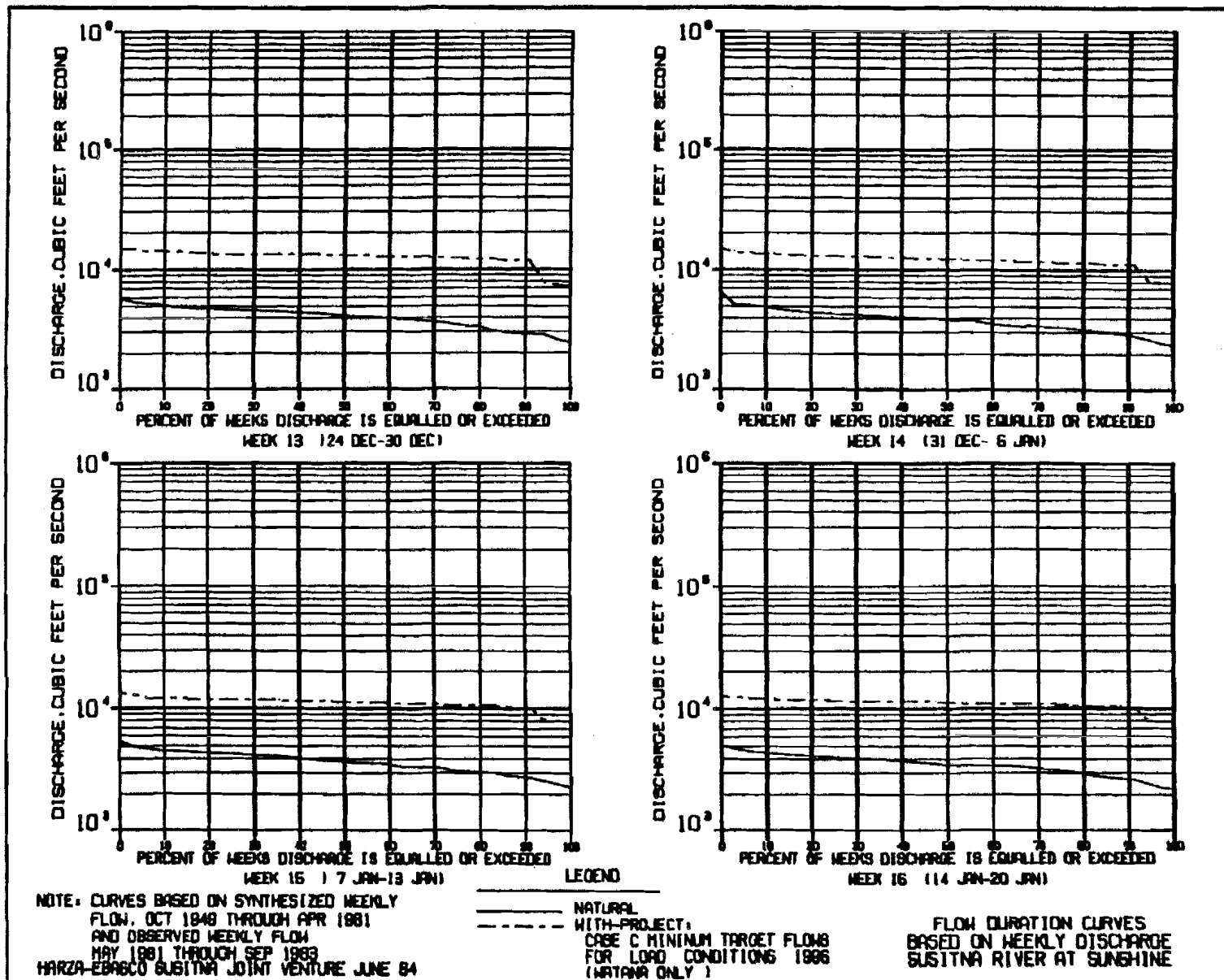


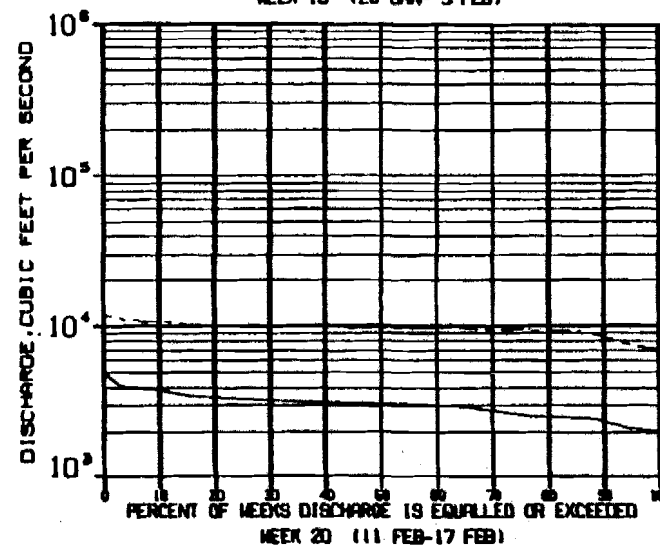
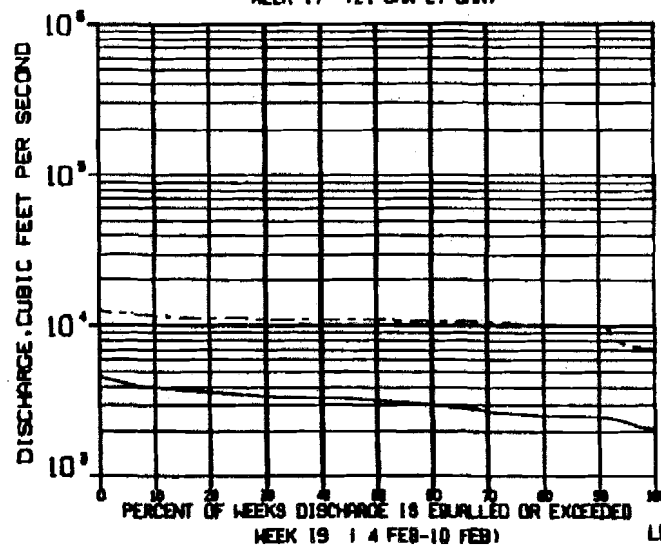
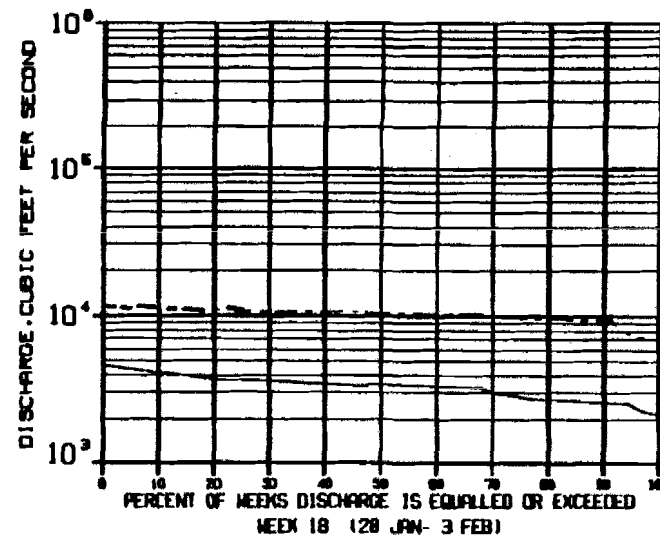
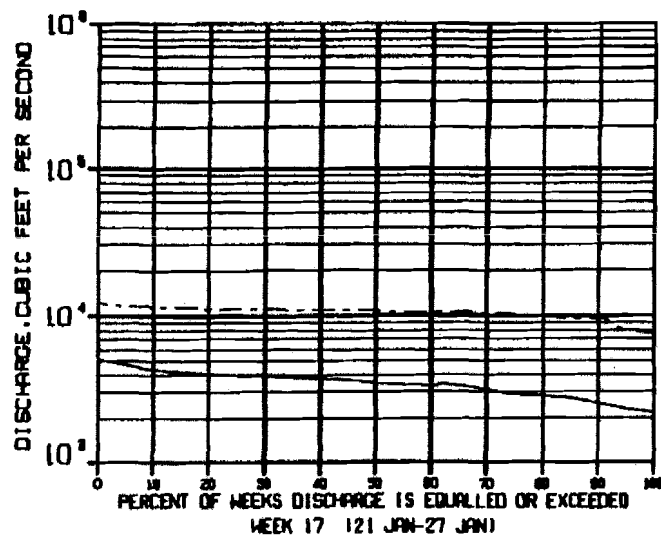
NOTE: CURVES BASED ON SYNTHESIZED WEEKLY FLOW, OCT 1949 THROUGH APR 1981 AND OBSERVED WEEKLY FLOW MAY 1981 THROUGH SEP 1983
HARZA-EDRACO SUSTINA JOINT VENTURE JUNE 84

LEGEND

—— NATURAL
- - - - WITH-PROJECT
—— CASE C MINIMUM TARGET FLOWS FOR LOAD CONDITIONS 1996 (NATANA ONLY)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUSTINA RIVER AT SUNSHINE



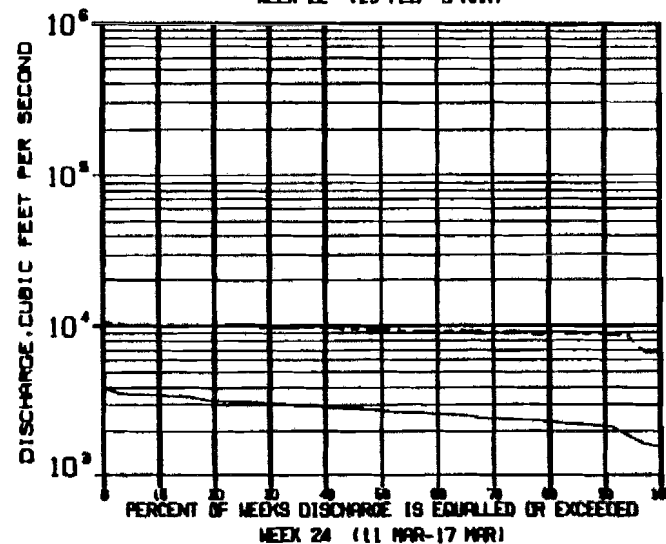
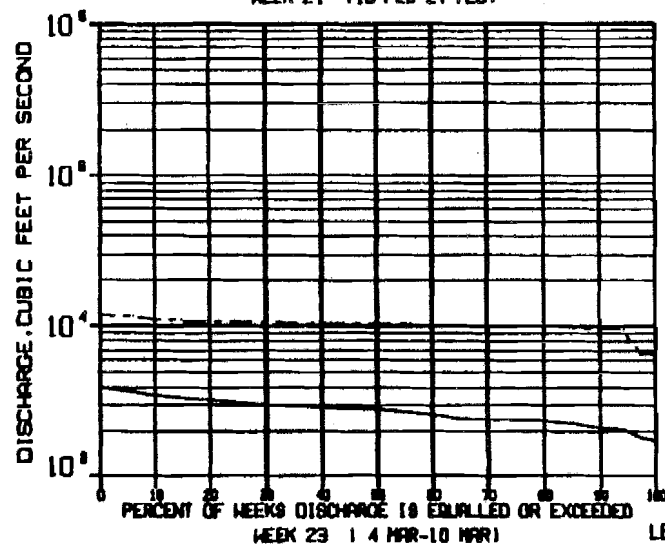
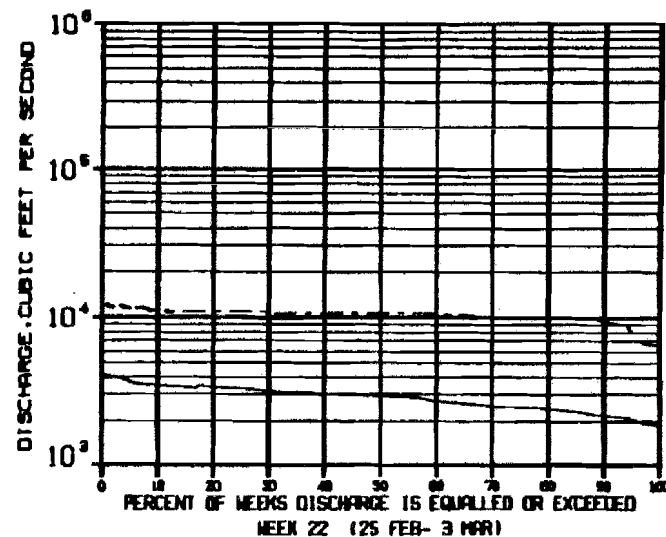
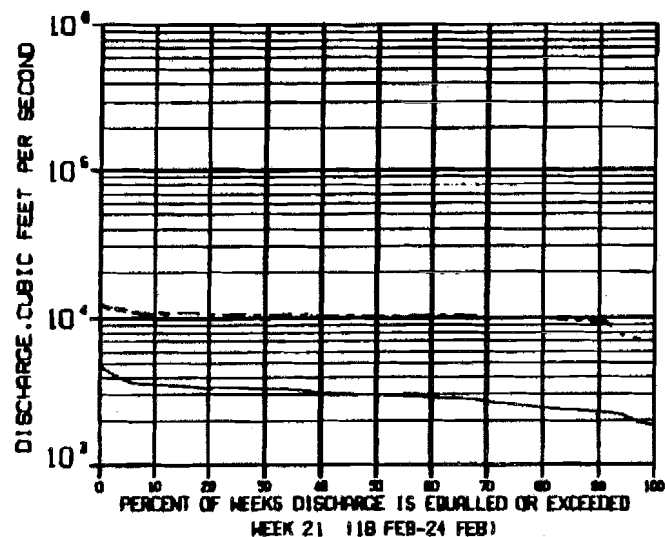


NOTE: CURVES BASED ON SYNTHESIZED WEEKLY FLOW, OCT 1949 THROUGH APR 1981 AND OBSERVED WEEKLY FLOW MAY 1981 THROUGH SEP 1983 HARZA-EBRACO SUSITNA JOINT VENTURE JUNE 84

LEGEND

— NATURAL
 - - - WITH-PROJECT,
 CASE C MINIMUM TARGET FLOWS
 FOR LOAD CONDITIONS 1986
 (NATANA ONLY)

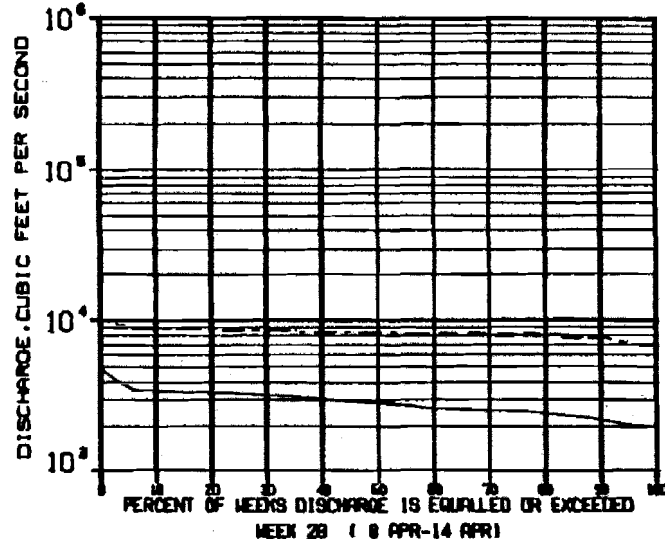
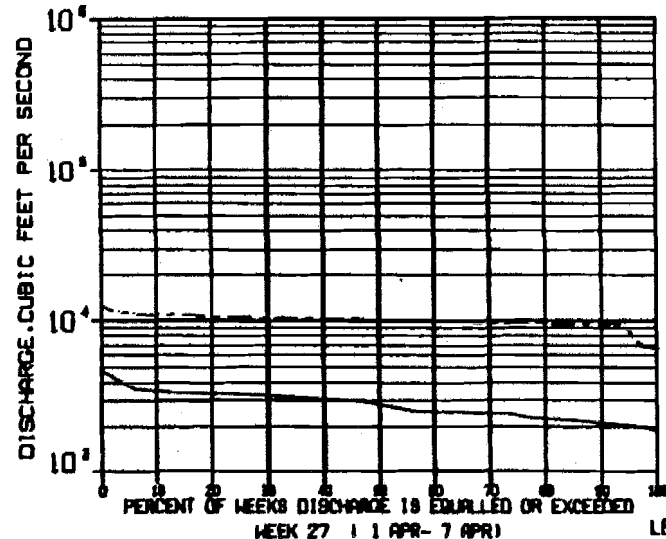
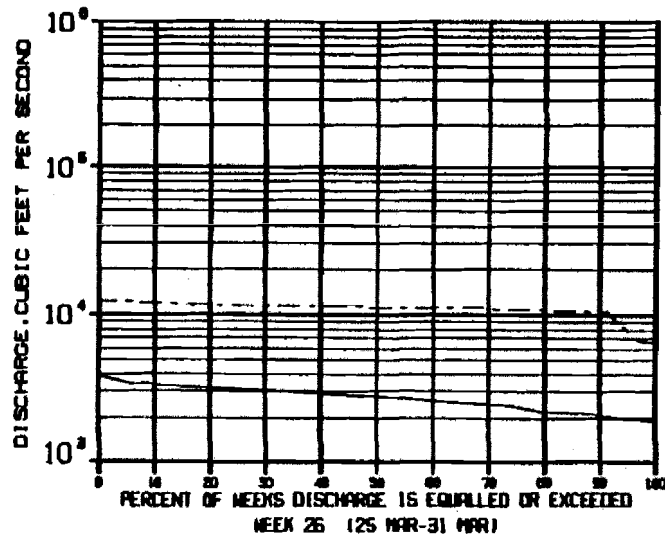
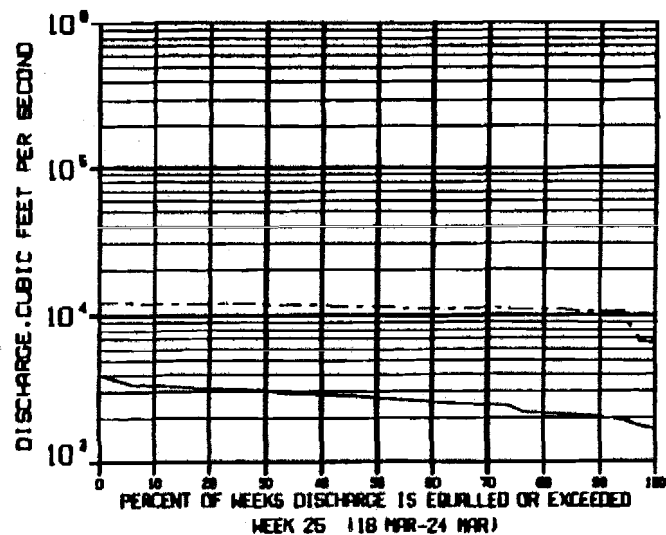
FLOW DURATION CURVES
 BASED ON WEEKLY DISCHARGE
 SUSITNA RIVER AT SUNSHINE



NOTE: CURVES BASED ON SYNTHESIZED WEEKLY
FLOW, OCT 1949 THROUGH APR 1981
AND OBSERVED WEEKLY FLOW
MAY 1981 THROUGH SEP 1983
MARZA-EBASCO SUSITNA JOINT VENTURE JUNE 84

LEGEND
—— NATURAL
- - - - WITH-PROJECT
... CASE C MINIMUM TARGET FLOWS
FOR LOAD CONDITIONS 1986
(NATANA ONLY)

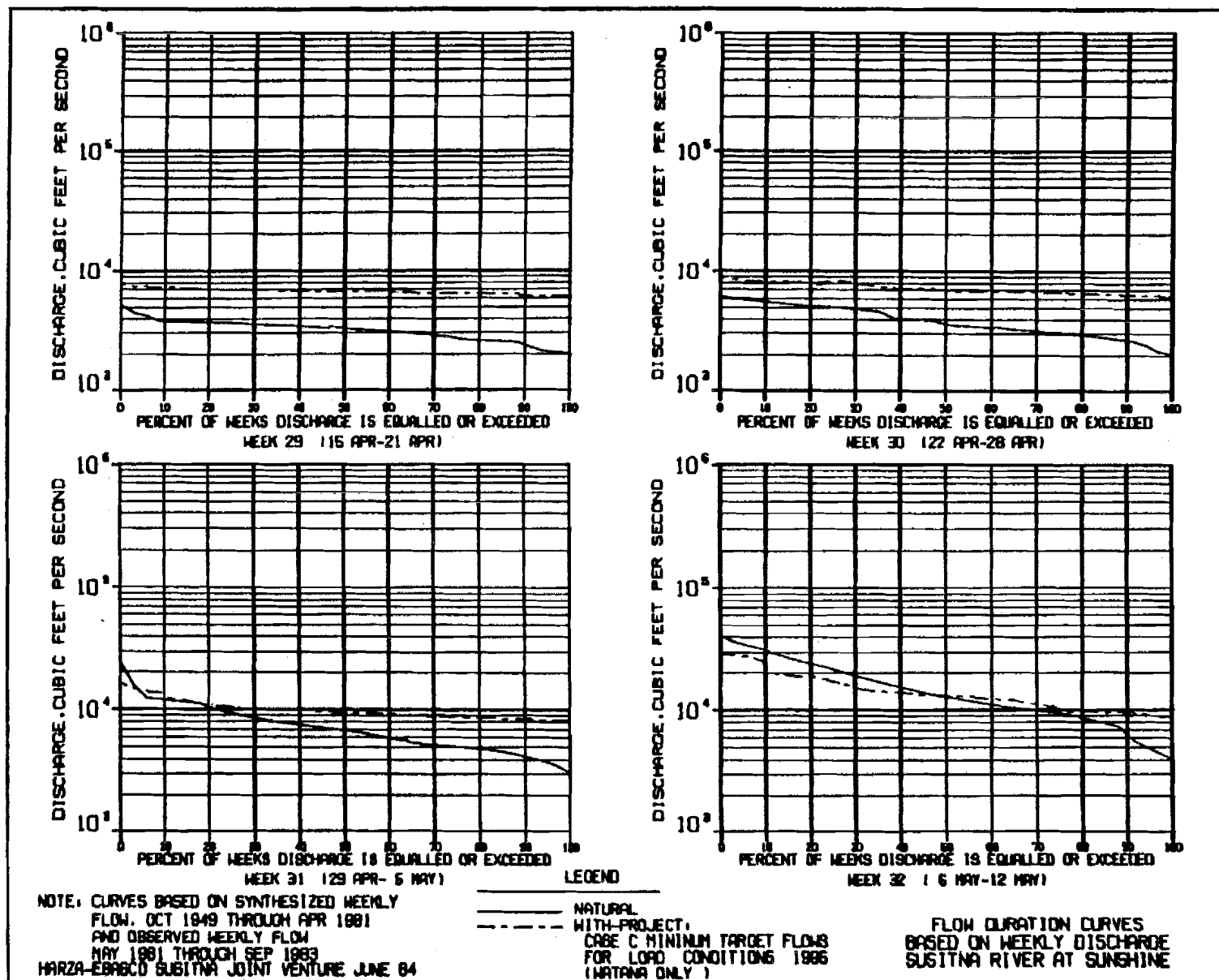
FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUSITNA RIVER AT SUNSHINE

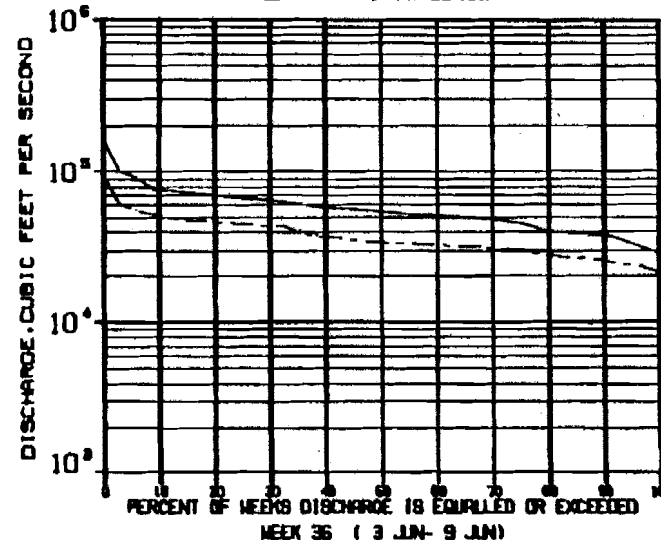
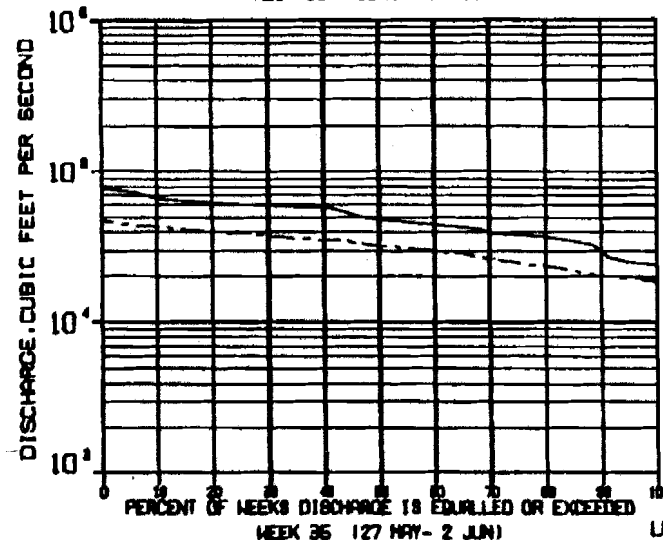
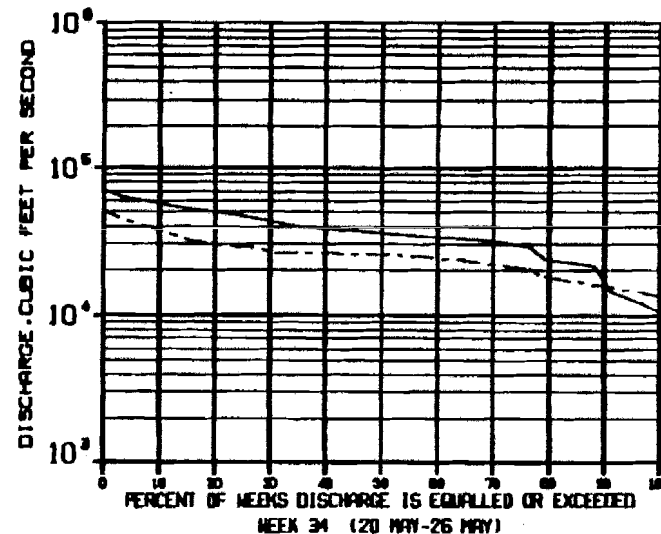
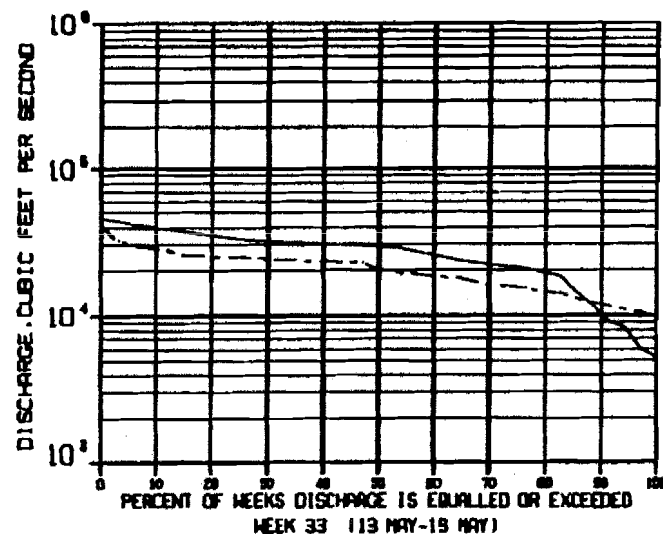


NOTE: CURVES BASED ON SYNTHESIZED WEEKLY
FLOW, OCT 1949 THROUGH APR 1981
AND OBSERVED WEEKLY FLOW
MAY 1981 THROUGH SEP 1983
MARZA-EBRACO BUSITNA JOINT VENTURE JUNE 84

LEGEND
—— NATURAL
—— WITH-PROJECT
--- CASE C MINIMUM TARGET FLOW
FOR LOAD CONDITIONS 1986
(WATANA ONLY)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
BUSITNA RIVER AT SUNSHINE



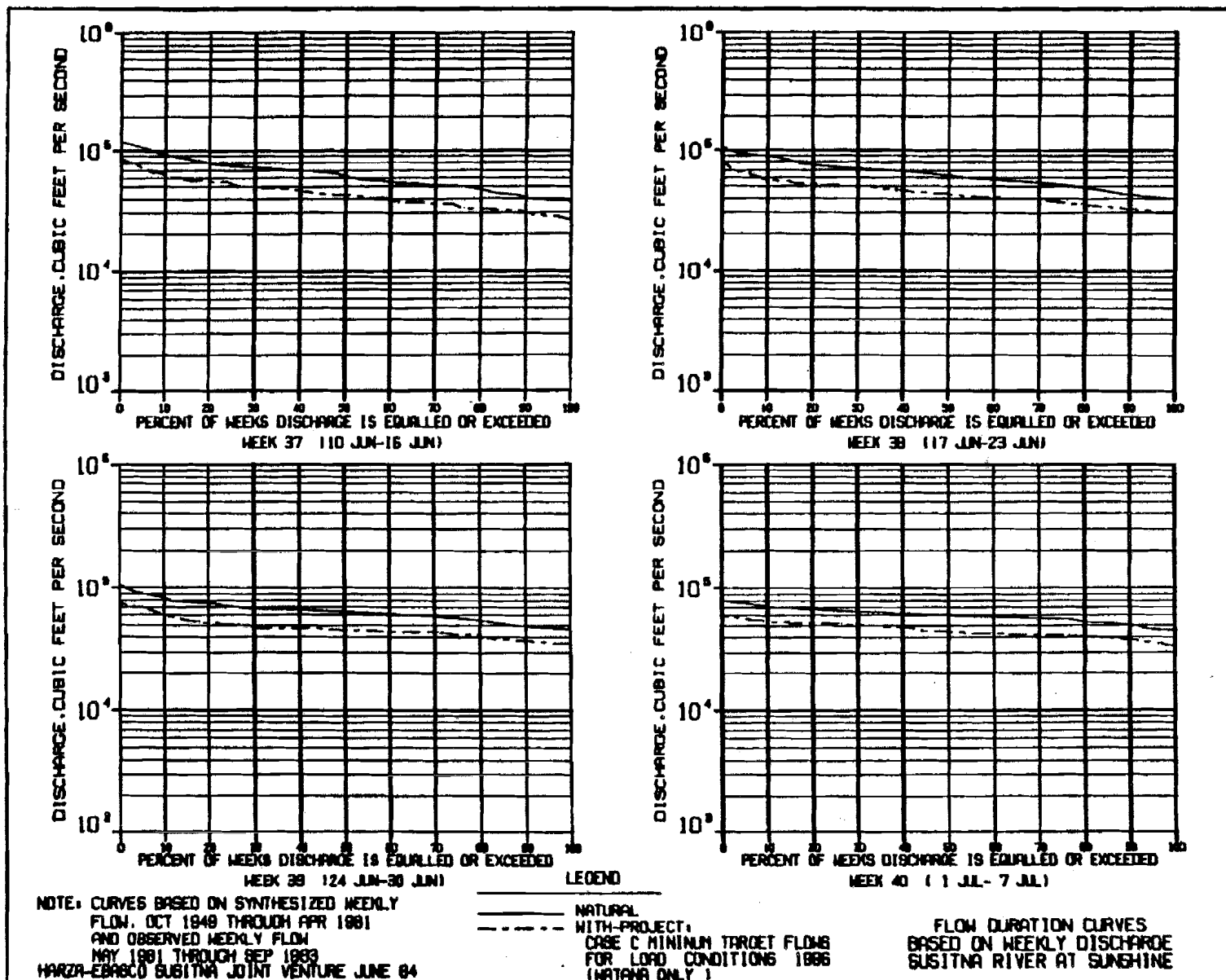


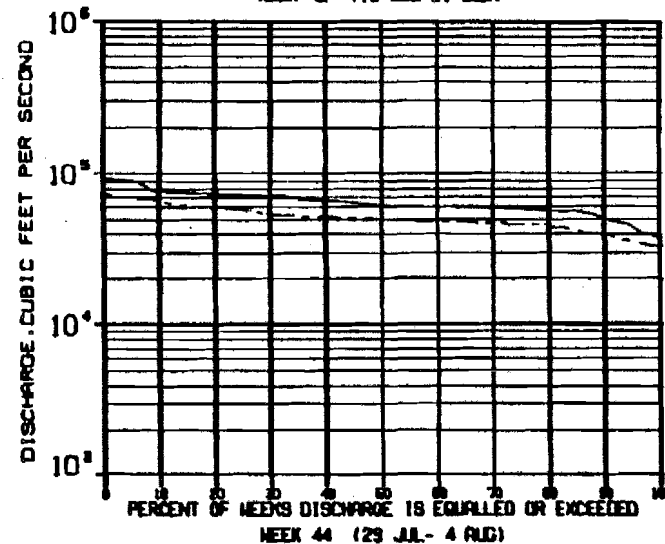
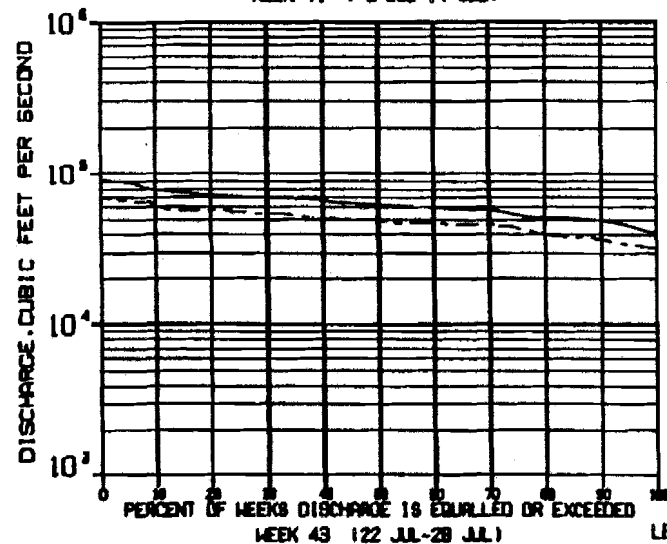
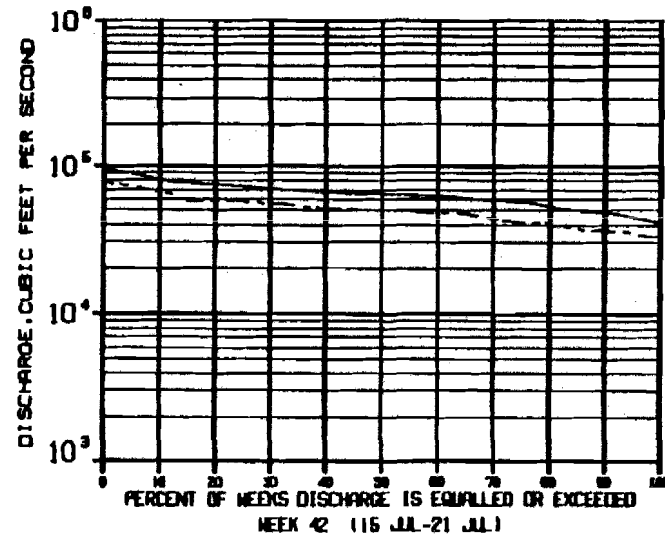
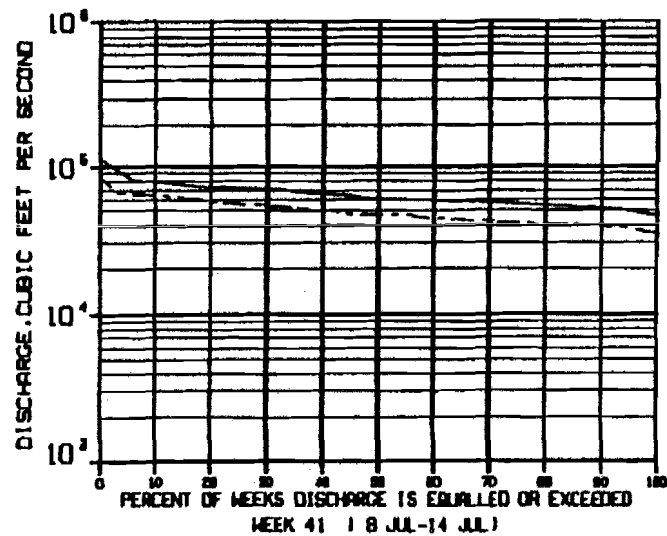
NOTE: CURVES BASED ON SYNTHESIZED WEEKLY
FLOW, OCT 1949 THROUGH APR 1981
AND OBSERVED WEEKLY FLOW
MAY 1981 THROUGH SEP 1983
MARZA-EBASCO SUSTITNA JOINT VENTURE JUNE 84

LEGEND

—— NATURAL
----- WITH-PROJECT
CASE C MINIMUM TARGET FLOW
FOR LOAD CONDITIONS 1986
(NATANA ONLY)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUSTITNA RIVER AT SUNSHINE



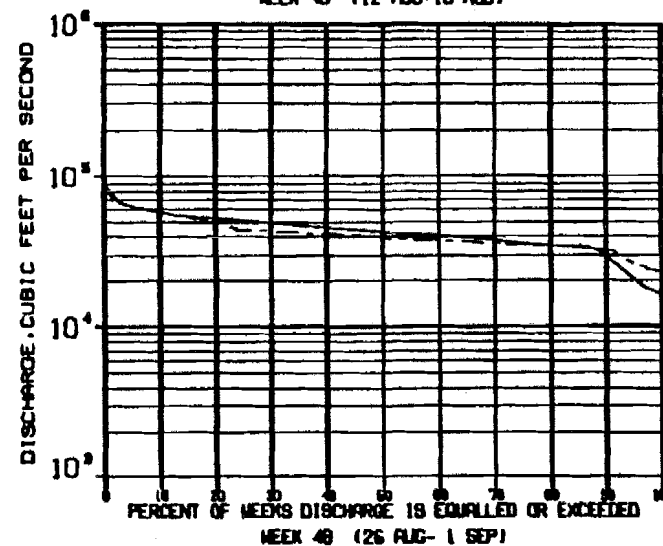
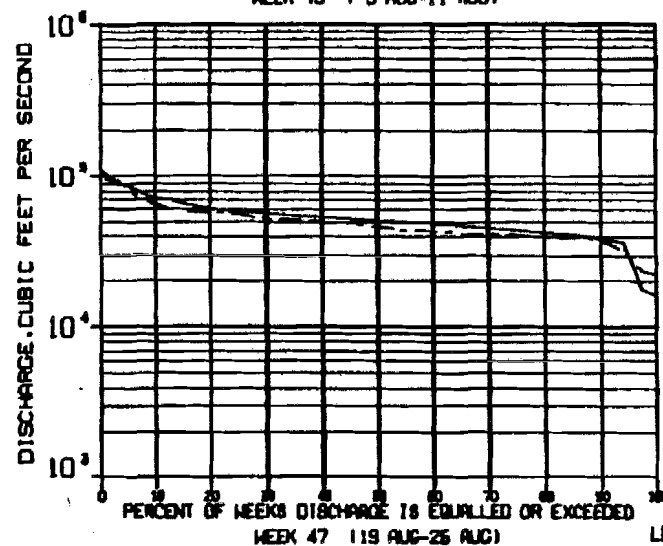
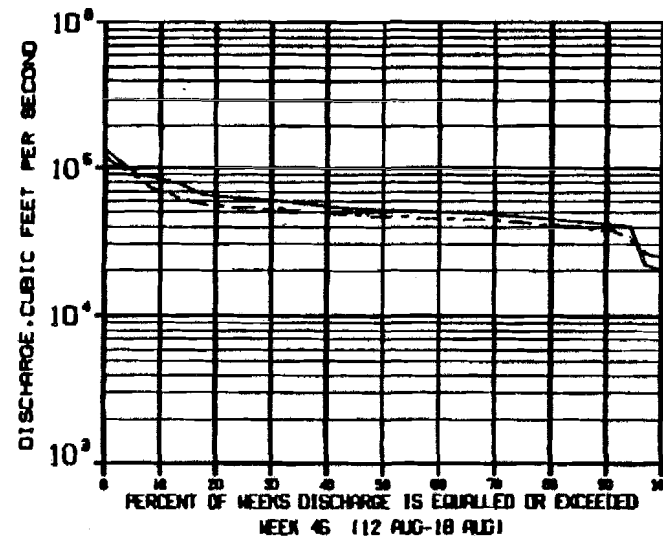
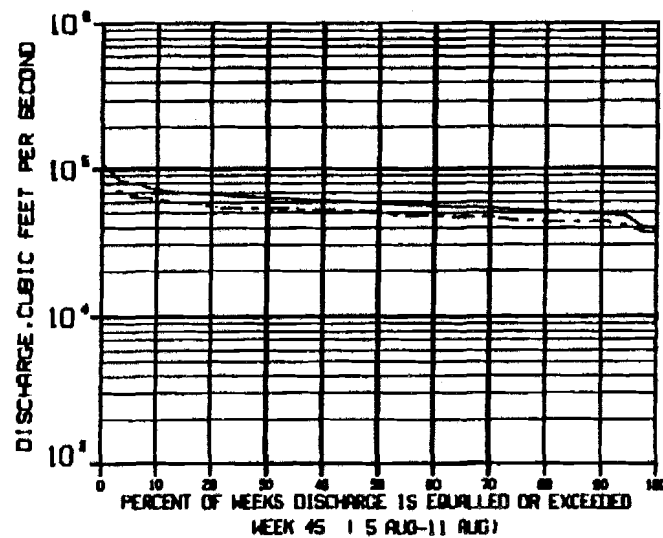


NOTE: CURVES BASED ON SYNTHESIZED WEEKLY FLOW, OCT 1948 THROUGH APR 1981 AND OBSERVED WEEKLY FLOW MAY 1981 THROUGH SEP 1983
MARZA-EBRICO GUSTINA JOINT VENTURE JUNE 84

LEGEND

—— NATURAL
----- WITH-PROJECT,
CASE C MINIMUM TARGET FLOWS
FOR LOAD CONDITIONS 1986
(NATANA ONLY)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
GUSTINA RIVER AT SUNSHINE

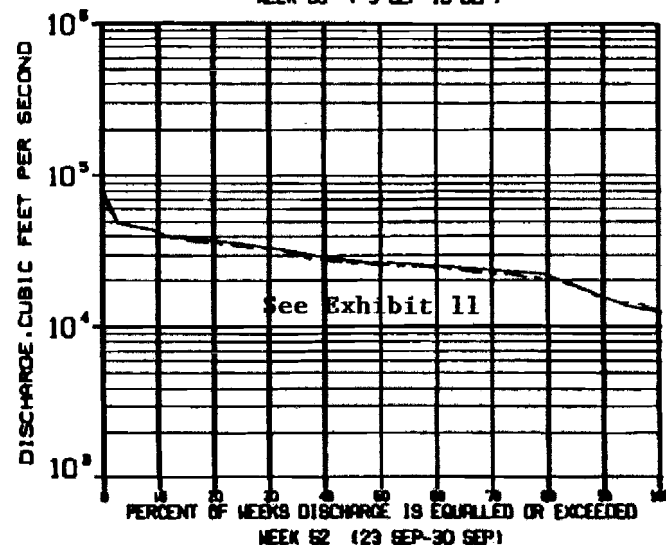
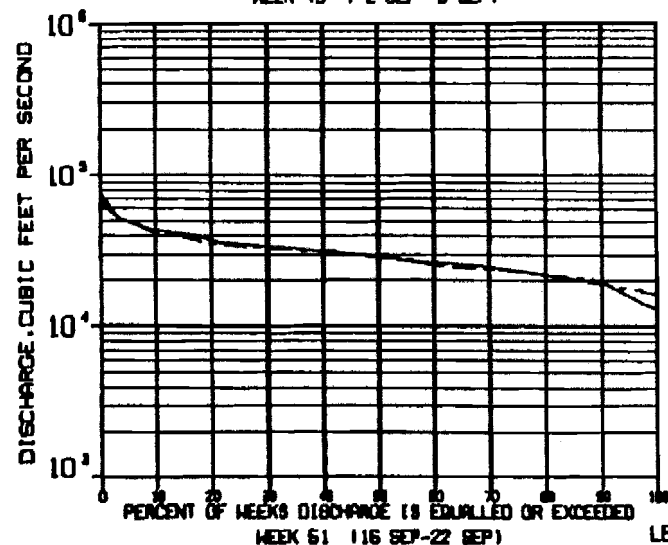
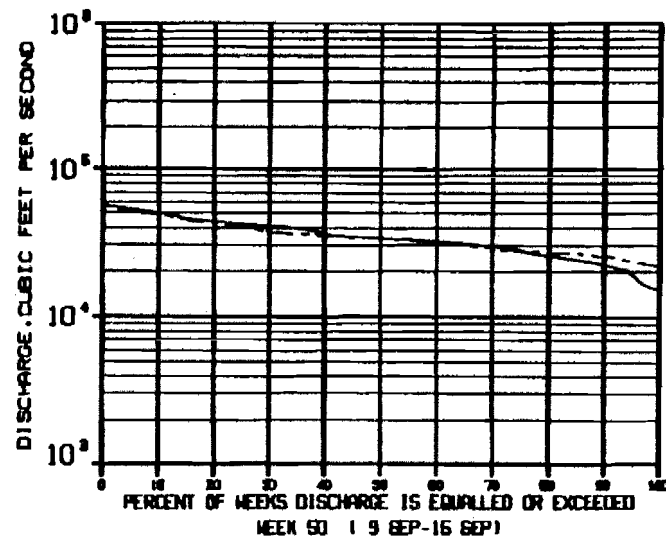
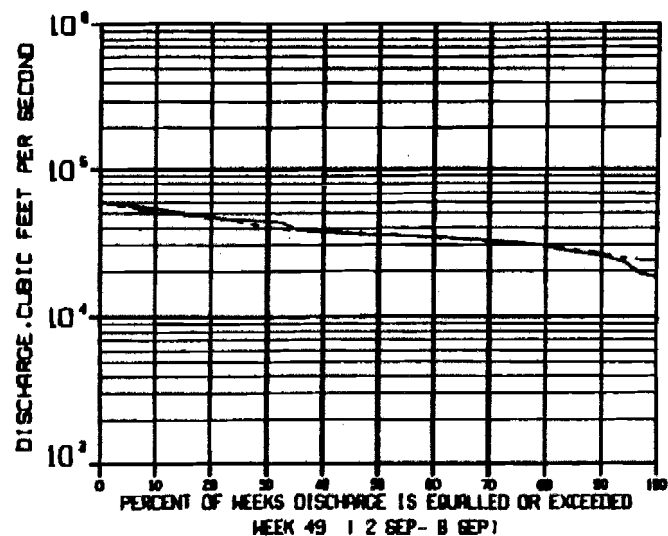


NOTE: CURVES BASED ON SYNTHESIZED WEEKLY
FLOW, OCT 1949 THROUGH APR 1981
AND OBSERVED WEEKLY FLOW
MAY 1981 THROUGH SEP 1983
MARZA-EBRACO SUSITNA JOINT VENTURE JUNE 84

LEGEND

—— NATURAL
- - - - WITH PROJECT
CASE C MINIMUM TARGET FLOW
FOR LOAD CONDITIONS 1986
(WATANA ONLY)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUSITNA RIVER AT SUNSHINE



NOTE: CURVES BASED ON SYNTHESIZED WEEKLY FLOW, OCT 1949 THROUGH APR 1981 AND OBSERVED WEEKLY FLOW MAY 1981 THROUGH SEP 1983 HARZA-EBASCO BUSITNA JOINT VENTURE JUNE 84

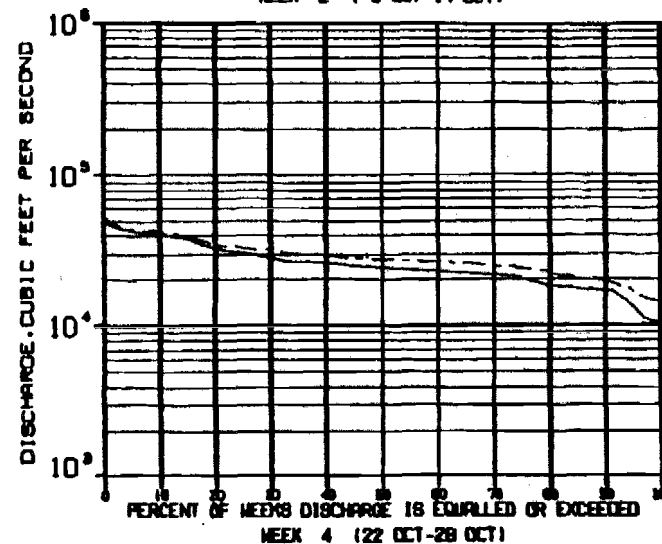
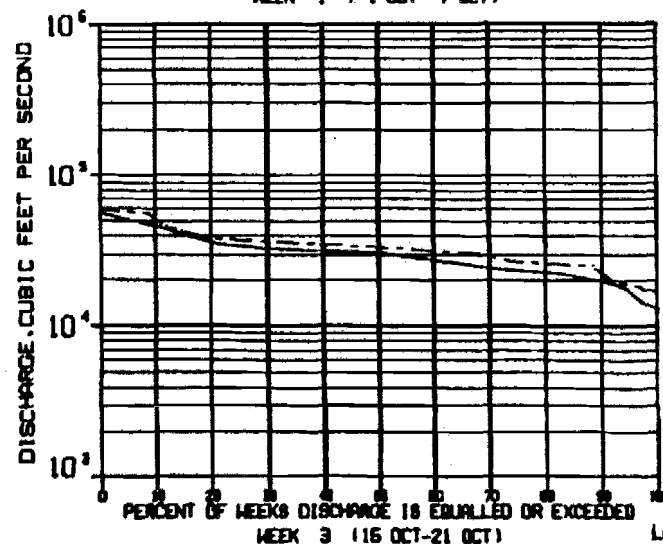
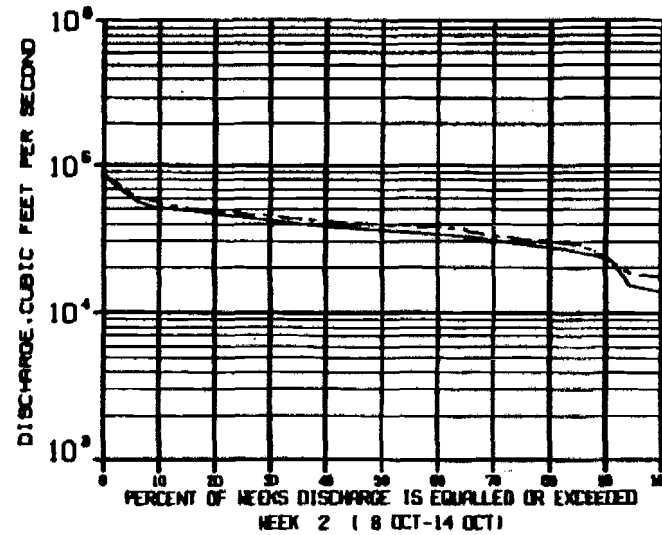
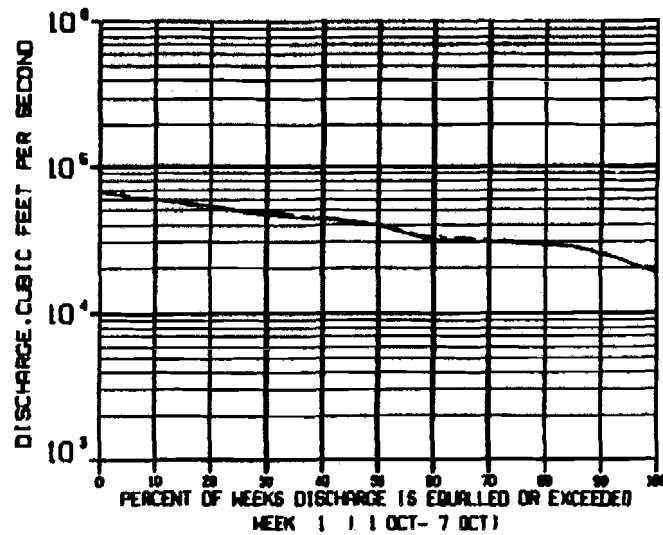
LEGEND

—— NATURAL
 - - - - WITH-PROJECT;
 CASE C MINIMUM TARGET FLOW
 FOR LOAD CONDITIONS 1986
 (NATANA ONLY)

FLOW DURATION CURVES
 BASED ON WEEKLY DISCHARGE
 BUSITNA RIVER AT SUNSHINE

EXHIBIT 5

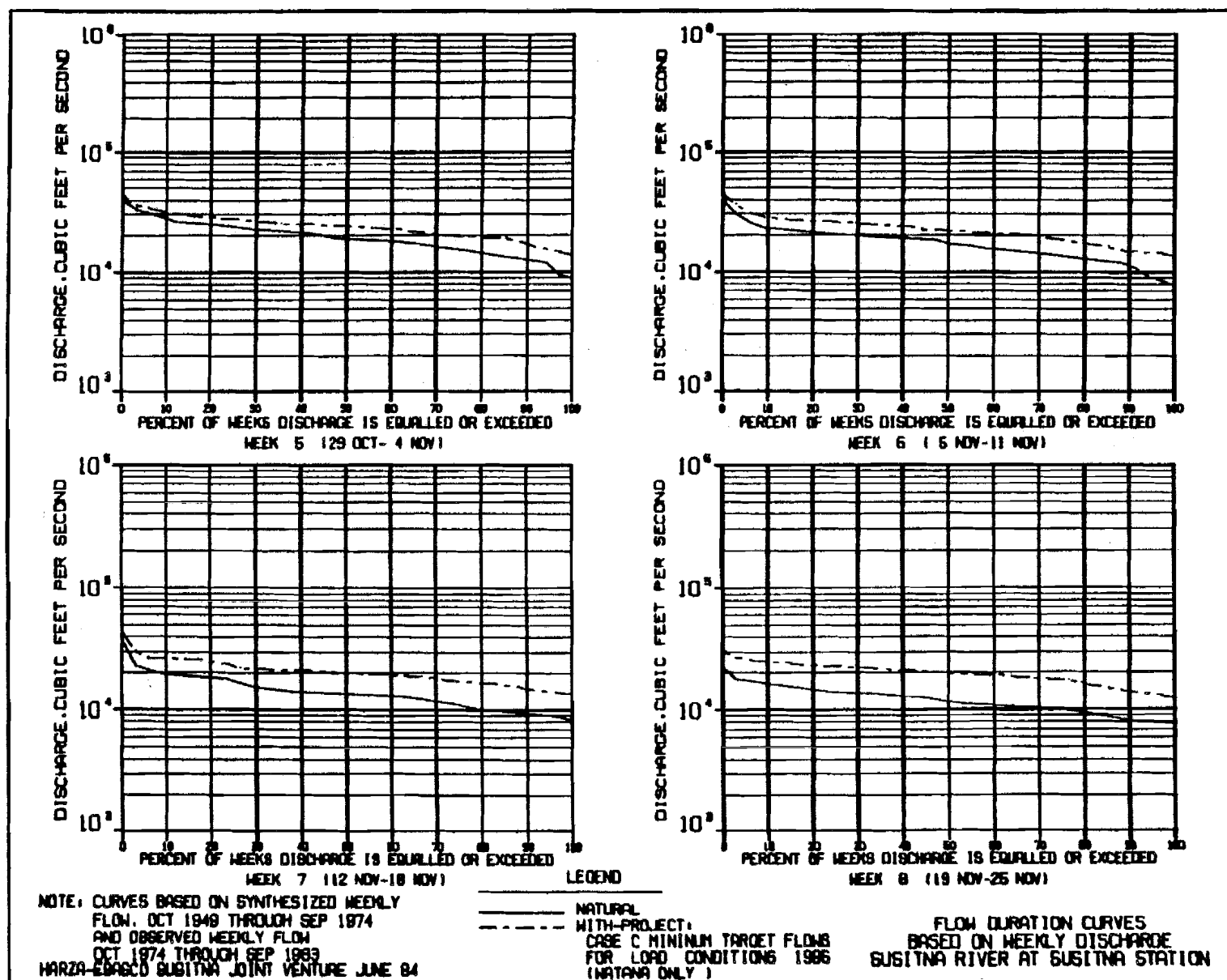
**Flow Duration Curves Based on
Weekly Discharge at Susitna Station for
Natural Conditions and With-project for
1996 Load Conditions**

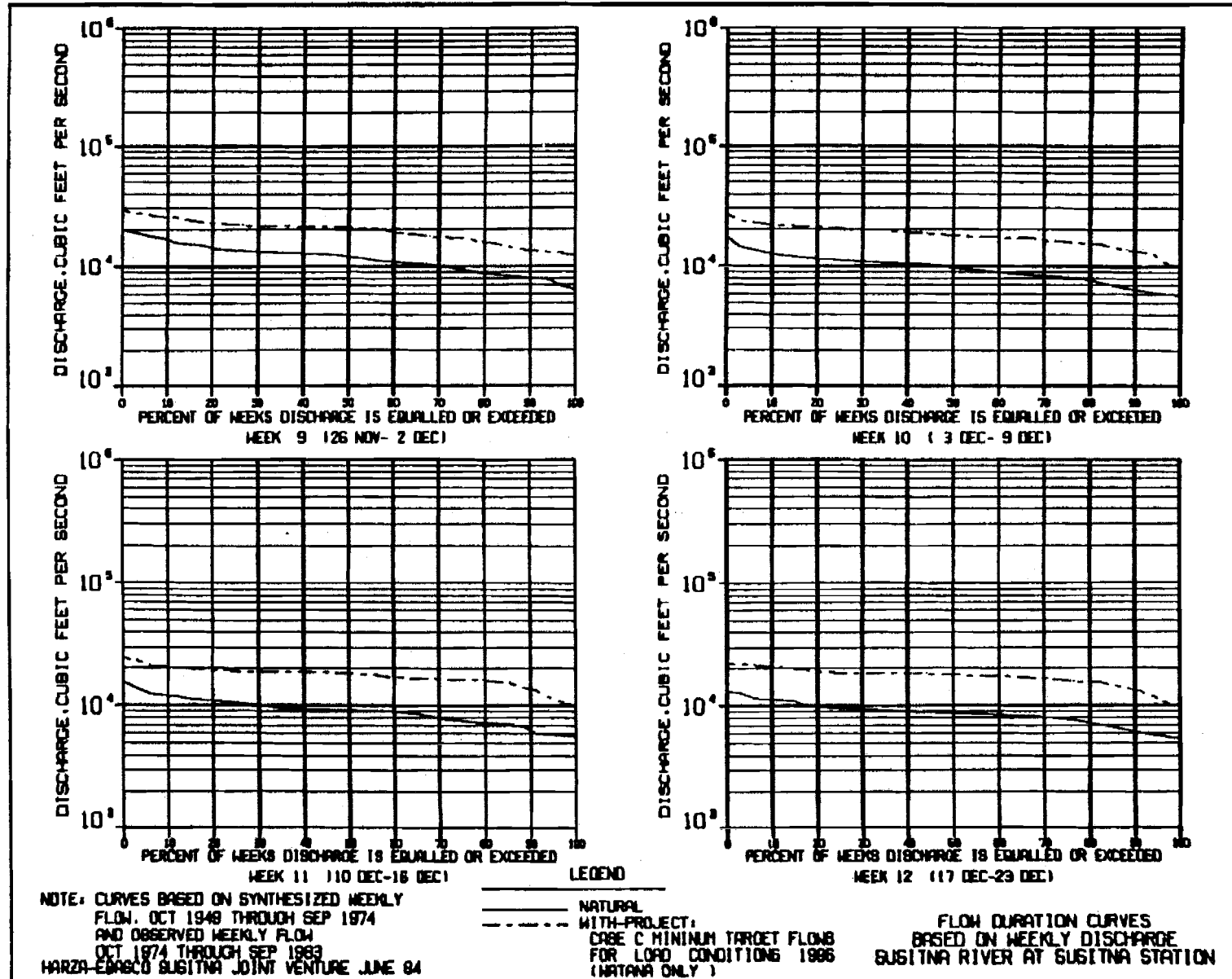


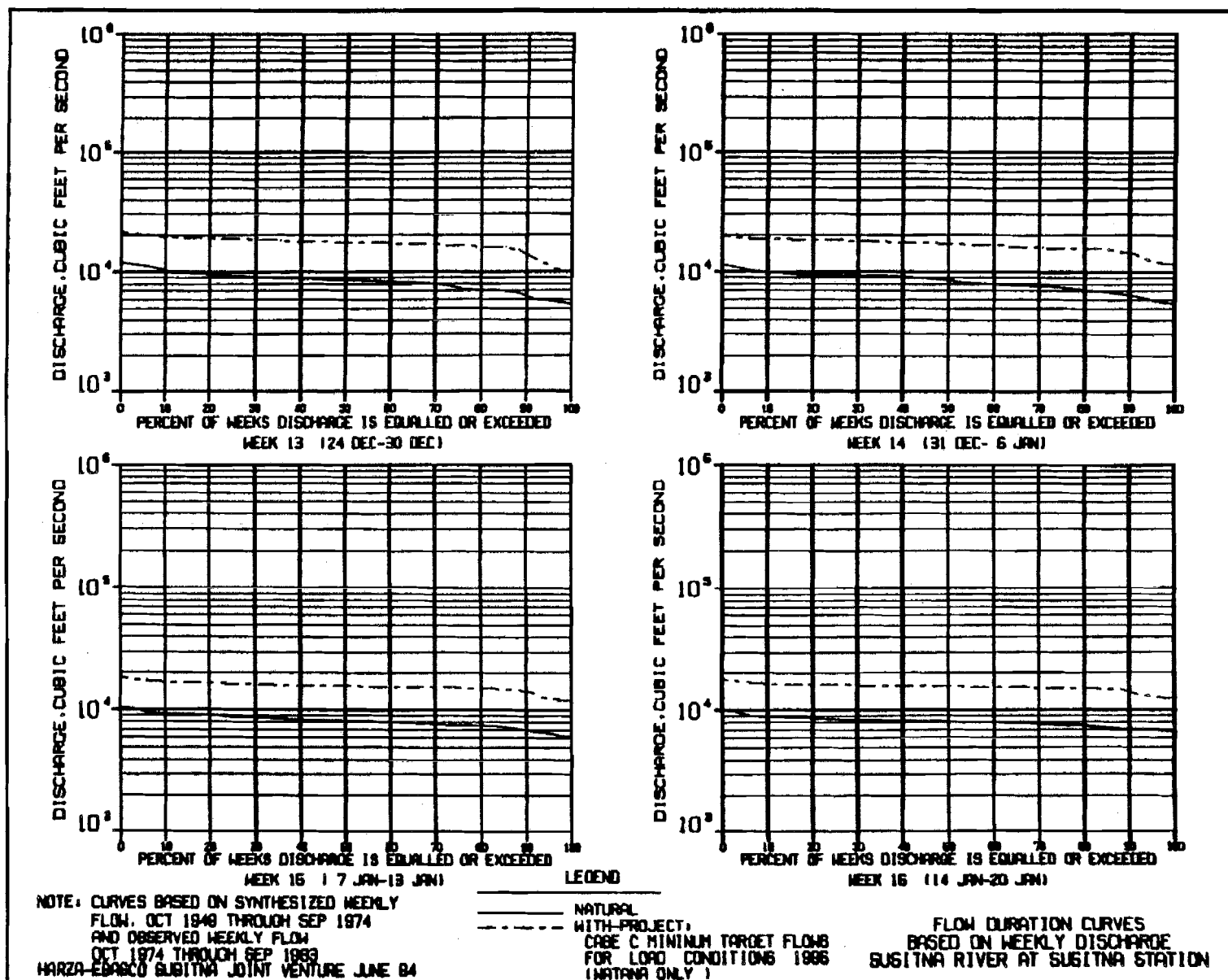
NOTE: CURVES BASED ON SYNTHESIZED WEEKLY FLOW, OCT 1949 THROUGH SEP 1974 AND OBSERVED WEEKLY FLOW OCT 1974 THROUGH SEP 1993
HARZA-EDBECO SUSITNA JOINT VENTURE JUNE 94

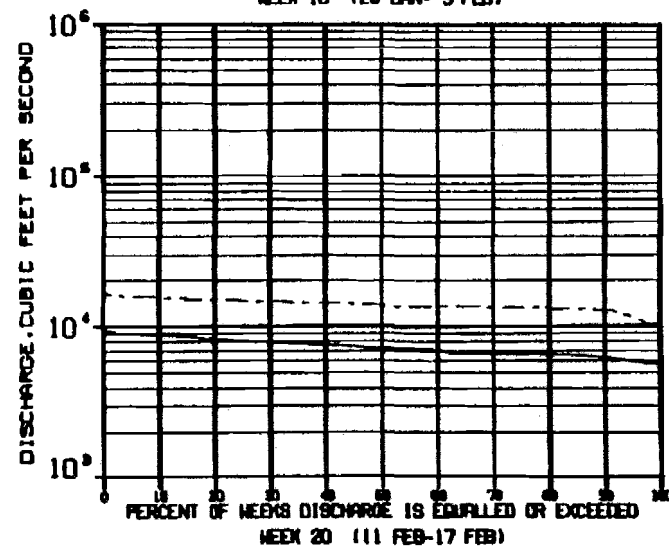
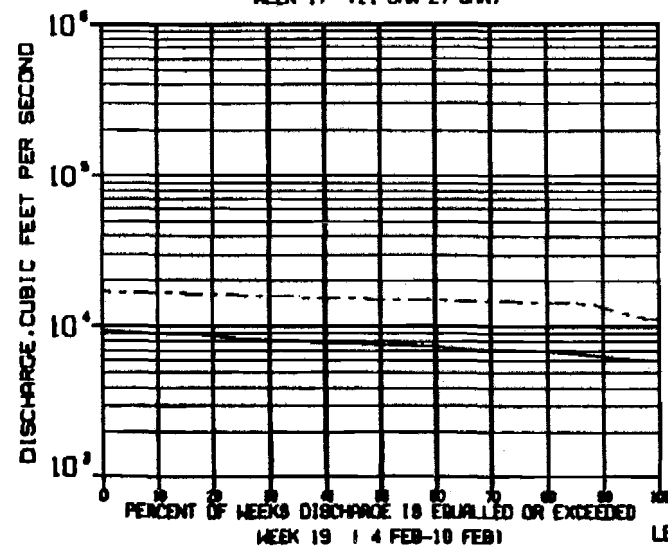
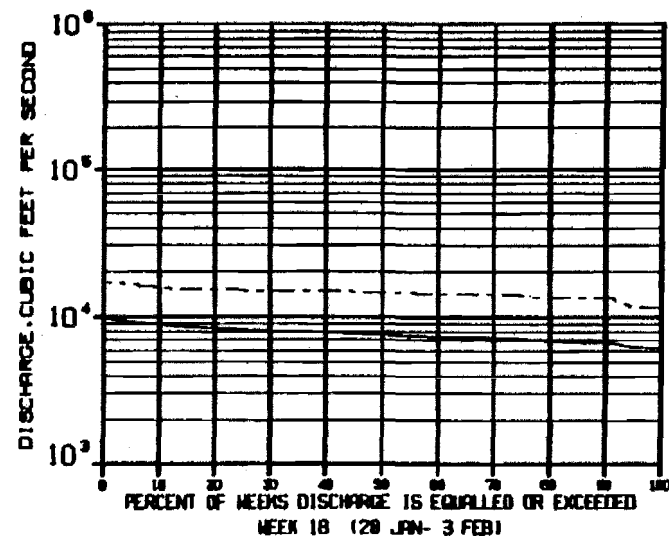
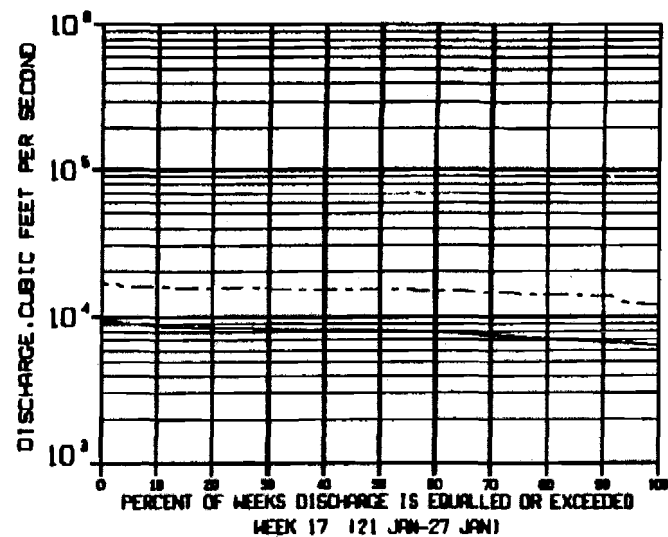
LEGEND
—— NATURAL
----- WITH-PROJECT,
CASE C MINIMUM TARGET FLOWS
FOR LOAD CONDITIONS 1996
(NATANA ONLY)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUSITNA RIVER AT SUSITNA STATION







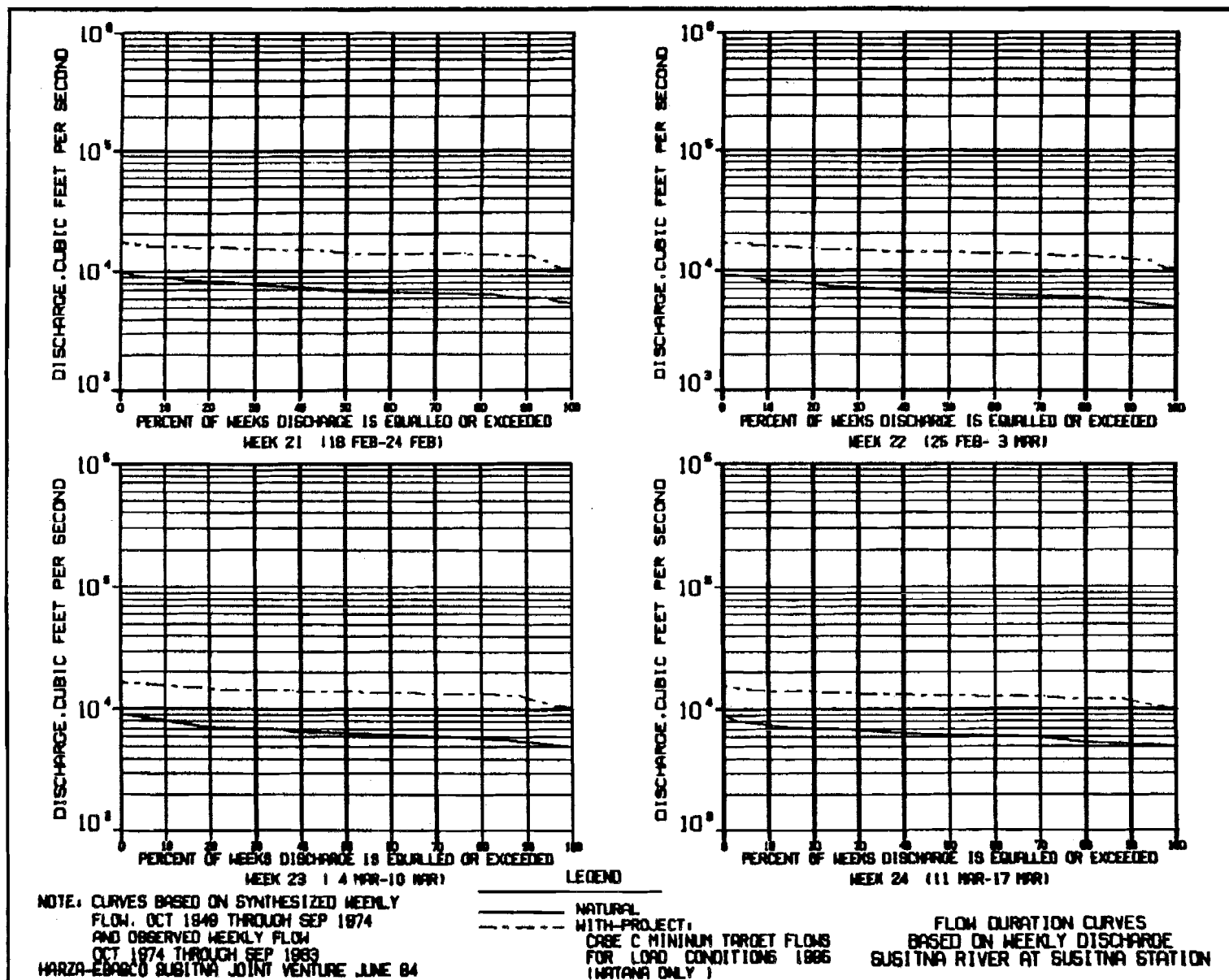


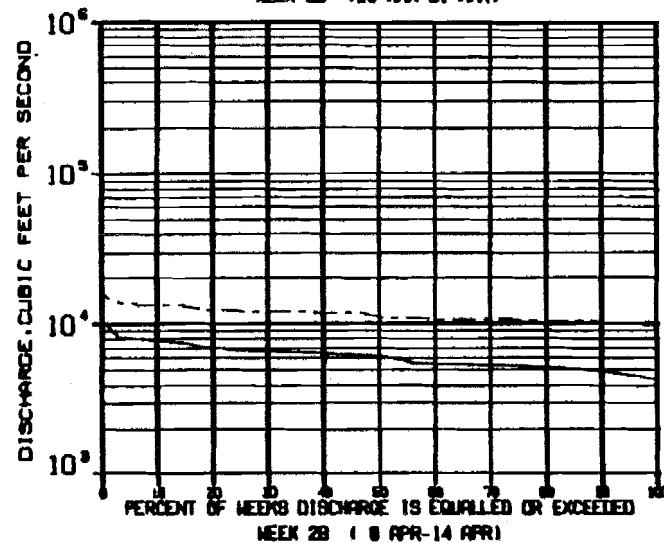
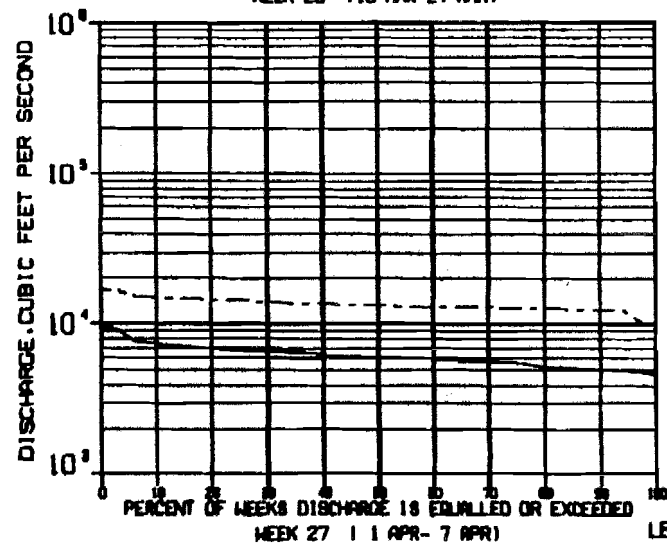
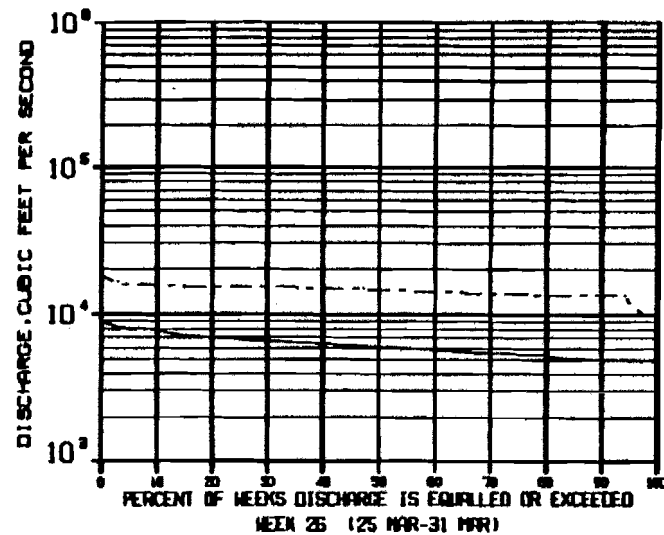
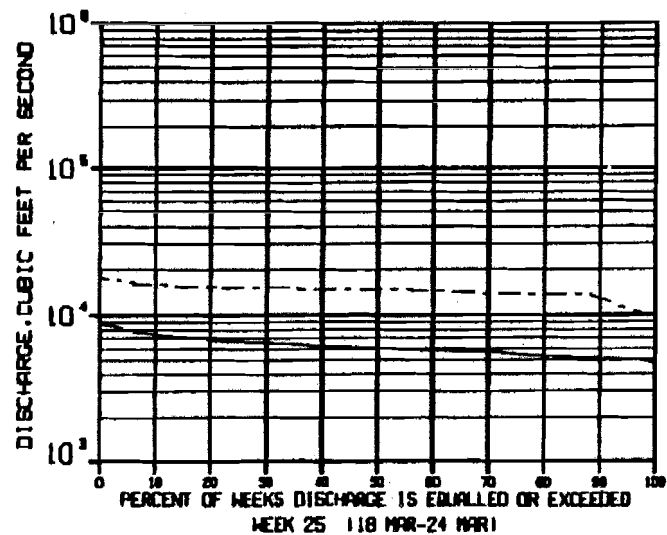
NOTE: CURVES BASED ON SYNTHESIZED WEEKLY
FLOW, OCT 1949 THROUGH SEP 1974
AND OBSERVED WEEKLY FLOW
OCT 1974 THROUGH SEP 1983
HARZA-EBASCO SUGITNA JOINT VENTURE JUNE 84

LEGEND

—— NATURAL
----- WITH-PROJECT;
CASE C MINIMUM TARGET FLOWS
FOR LOAD CONDITIONS 1996
(NATANA ONLY)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUGITNA RIVER AT SUGITNA STATION



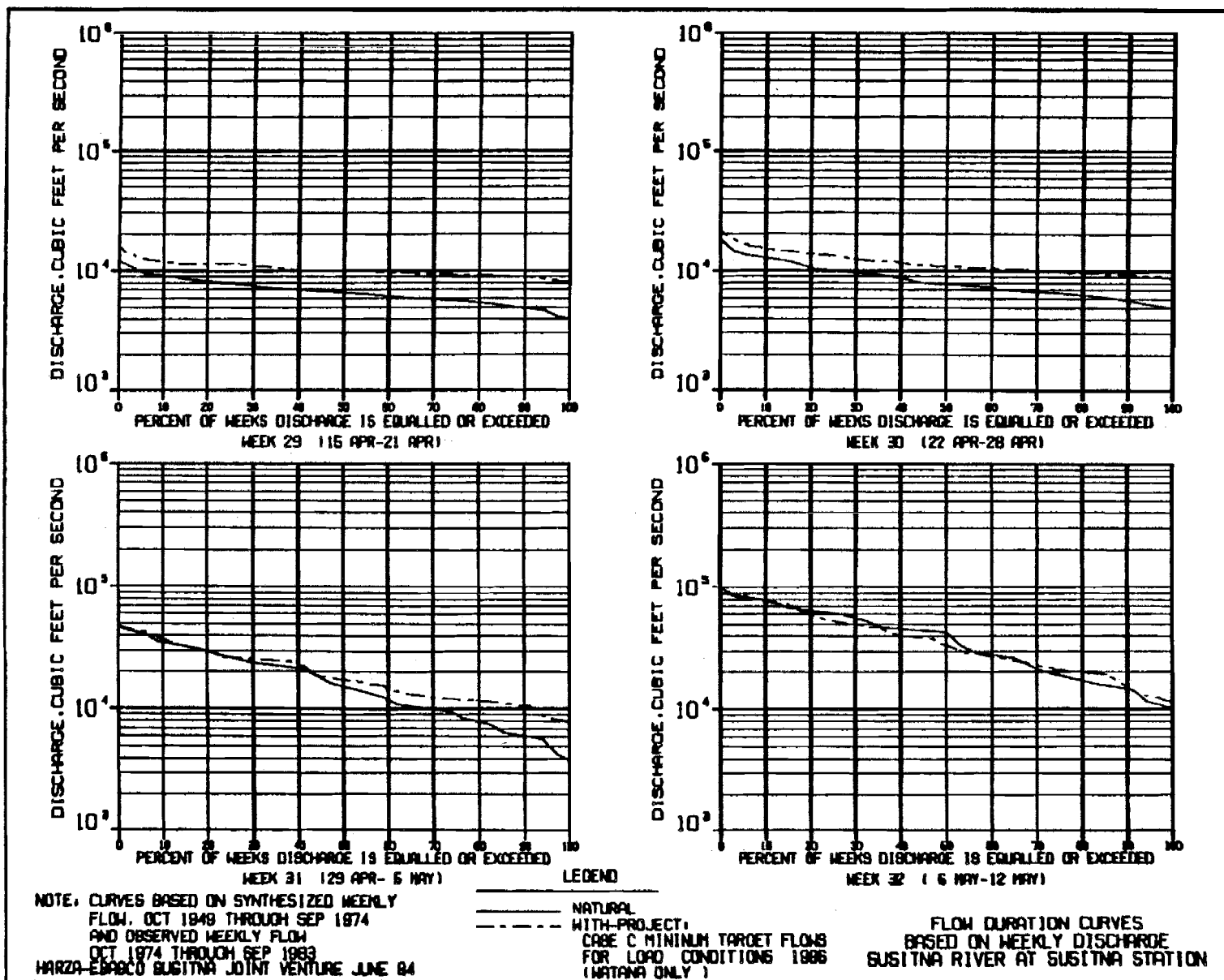


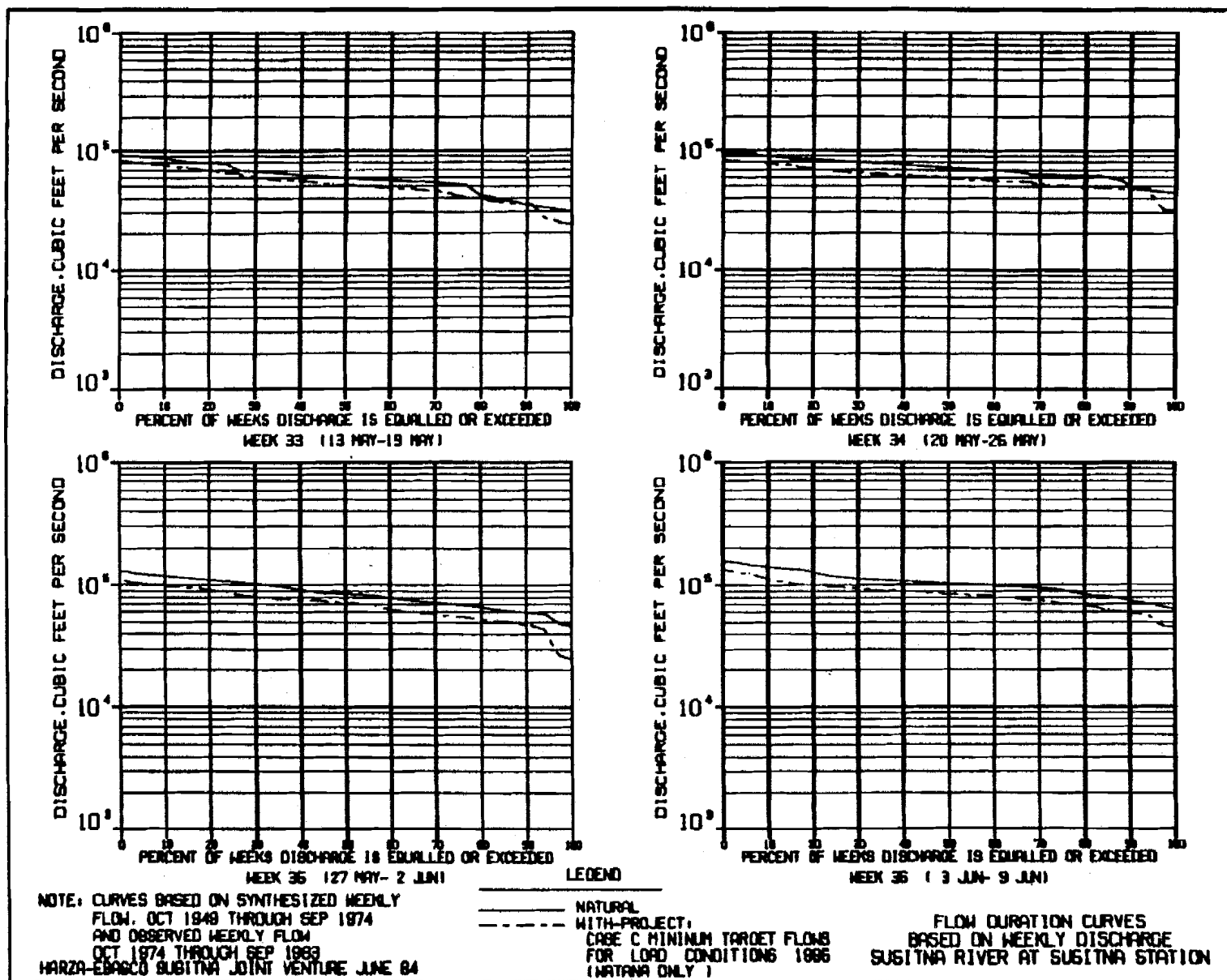
NOTE: CURVES BASED ON SYNTHESIZED WEEKLY
FLOW, OCT 1949 THROUGH SEP 1974
AND OBSERVED WEEKLY FLOW
OCT 1974 THROUGH SEP 1983
HARZA-EBASCO SUGITNA JOINT VENTURE JUNE 84

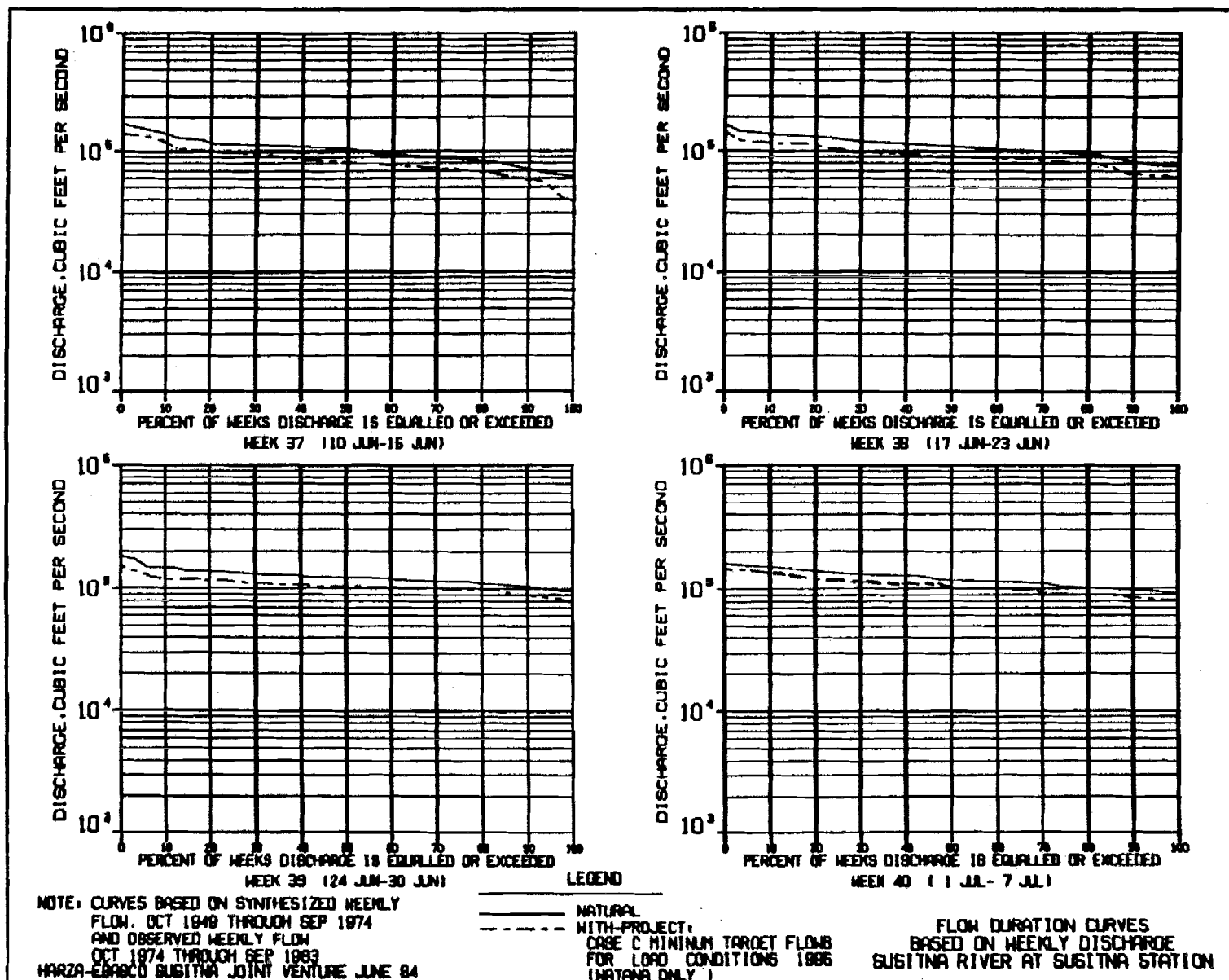
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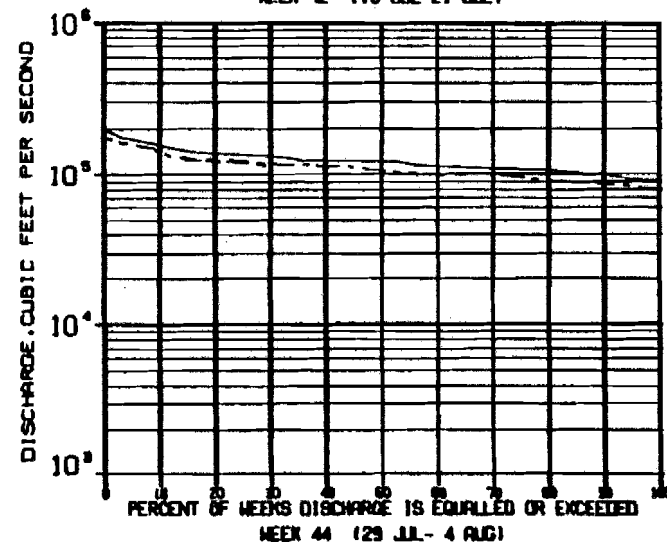
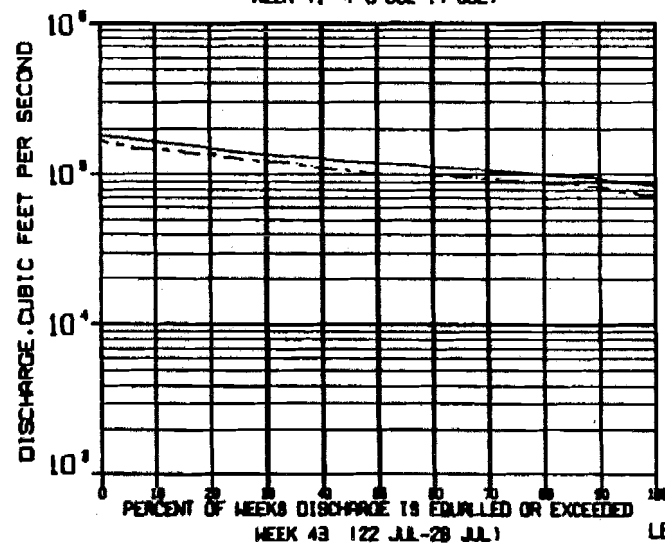
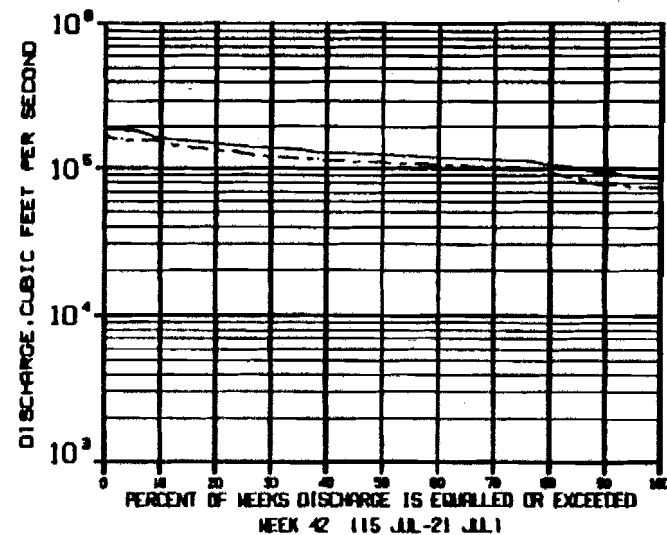
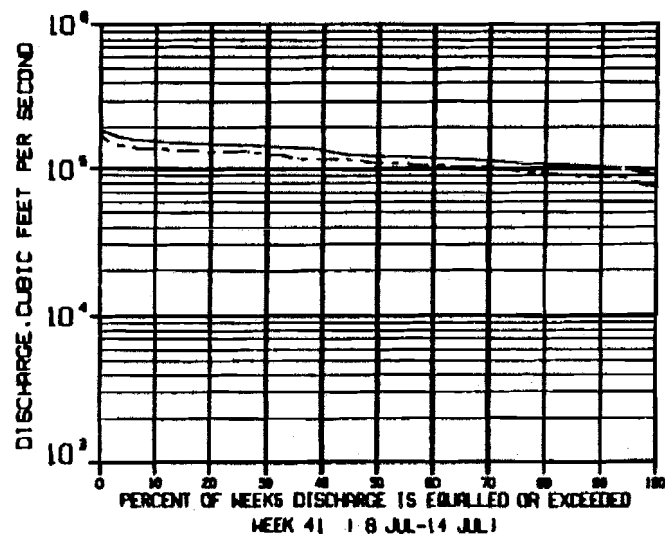
—— NATURAL
----- WITH-PROJECT;
CASE C MINIMUM TARGET FLOWS
FOR LOAD CONDITIONS 1986
(MATANA ONLY)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUGITNA RIVER AT SUGITNA STATION







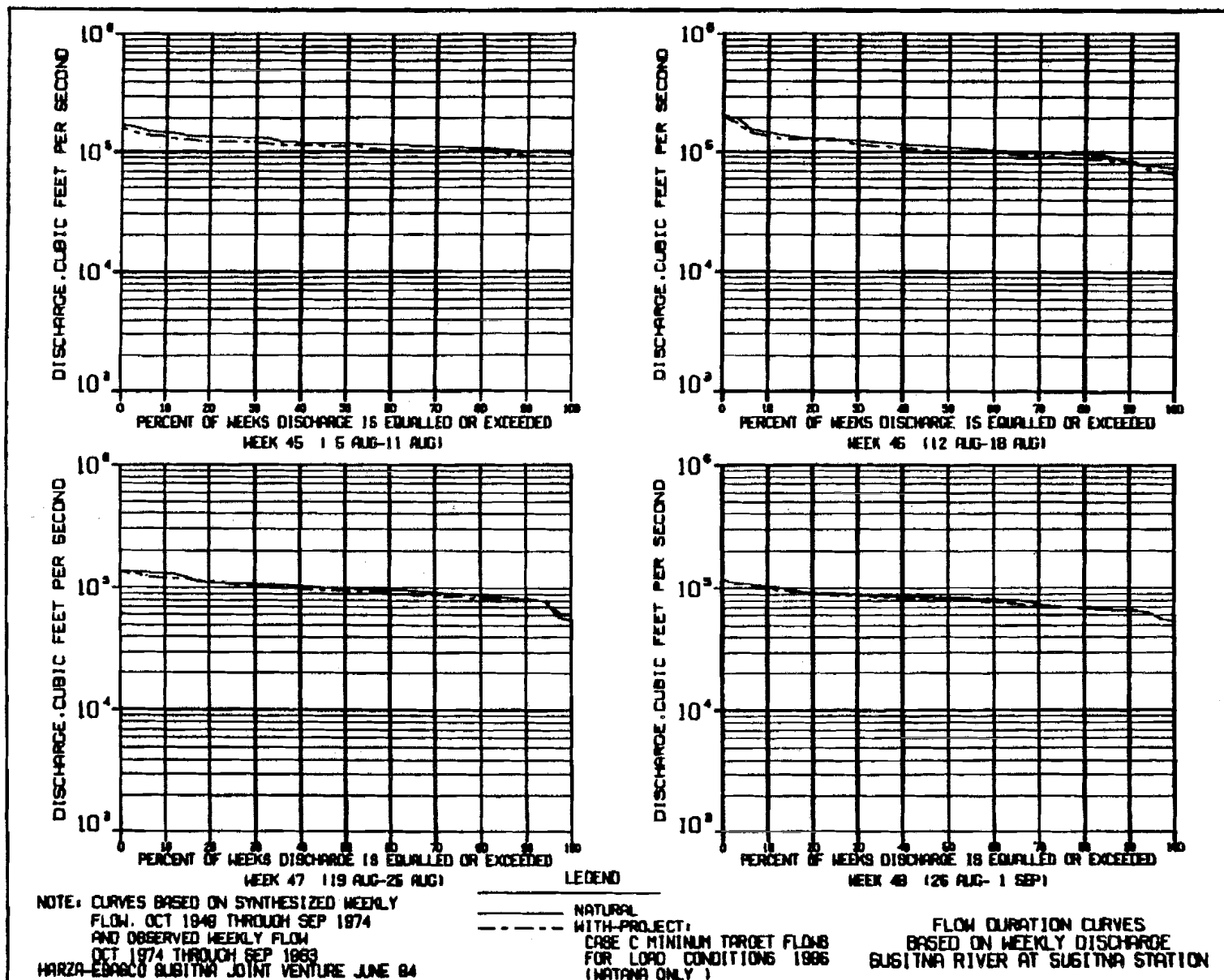


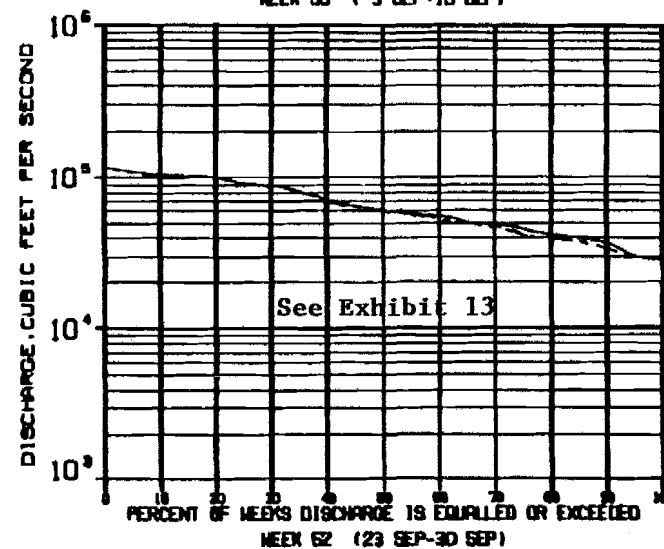
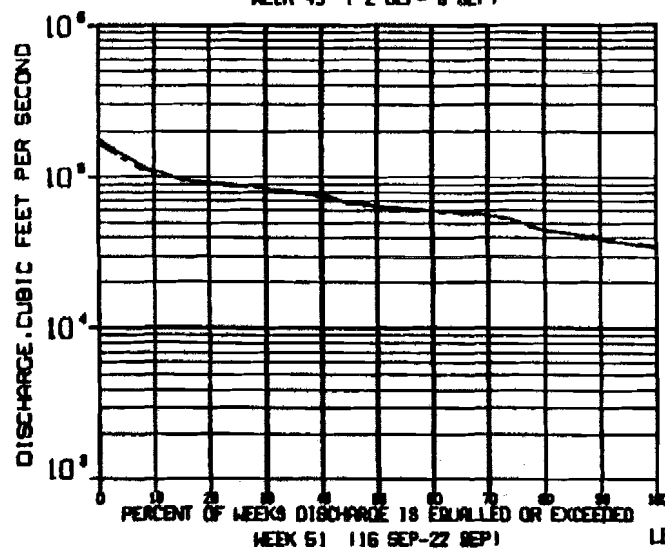
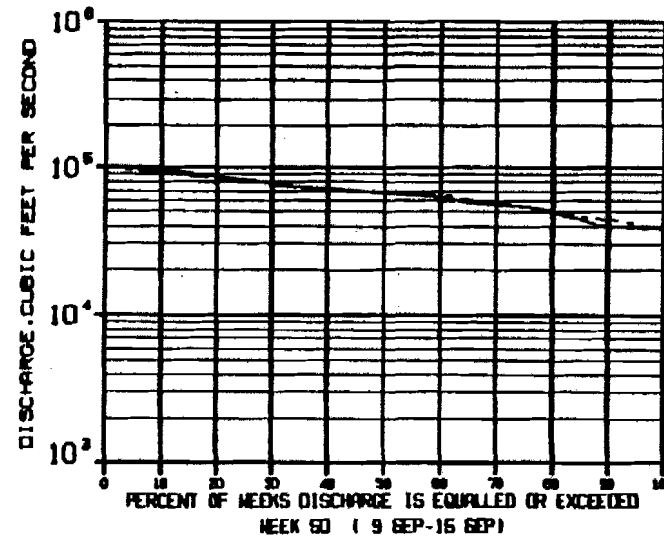
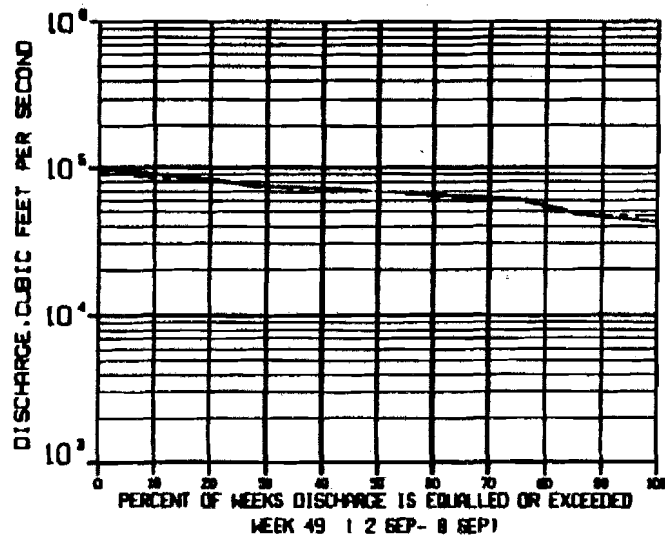
NOTE: CURVES BASED ON SYNTHESIZED WEEKLY
FLOW, OCT 1949 THROUGH SEP 1974
AND OBSERVED WEEKLY FLOW
OCT 1974 THROUGH SEP 1983
MARZA-EDRACO SUSITNA JOINT VENTURE JUNE 84

LEGEND

—— NATURAL
----- WITH-PROJECT
CASE C MINIMUM TARGET FLOWS
FOR LOAD CONDITIONS 1986
(WATANA ONLY)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUSITNA RIVER AT SUSITNA STATION





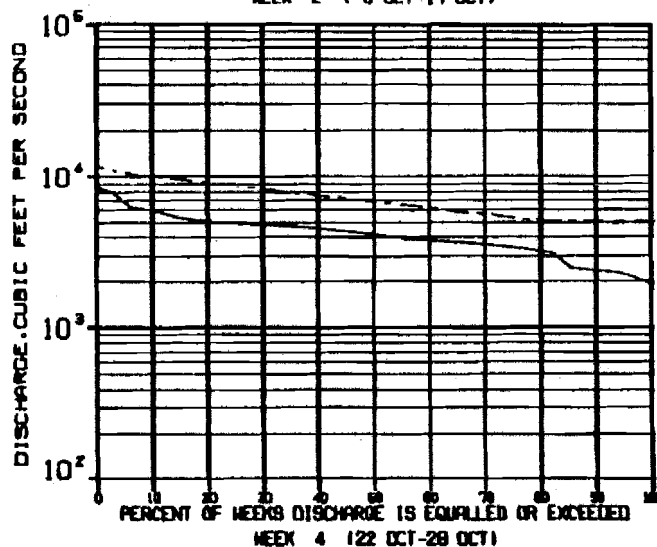
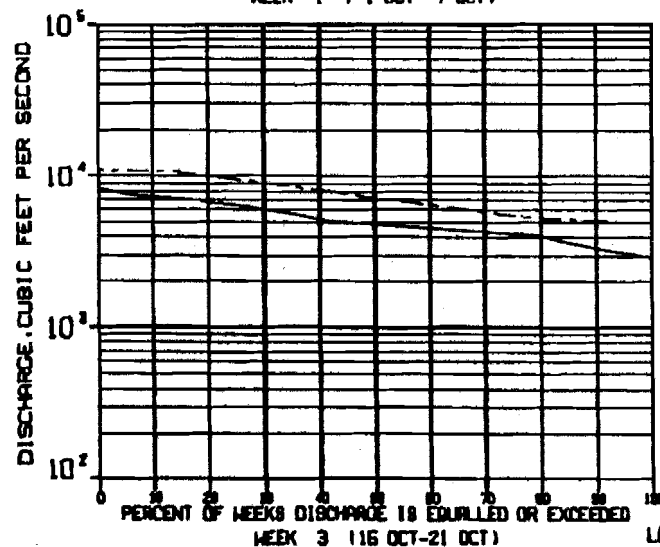
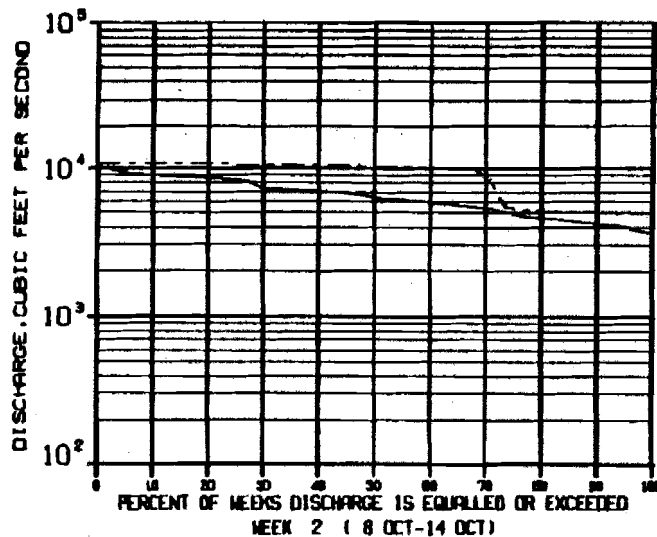
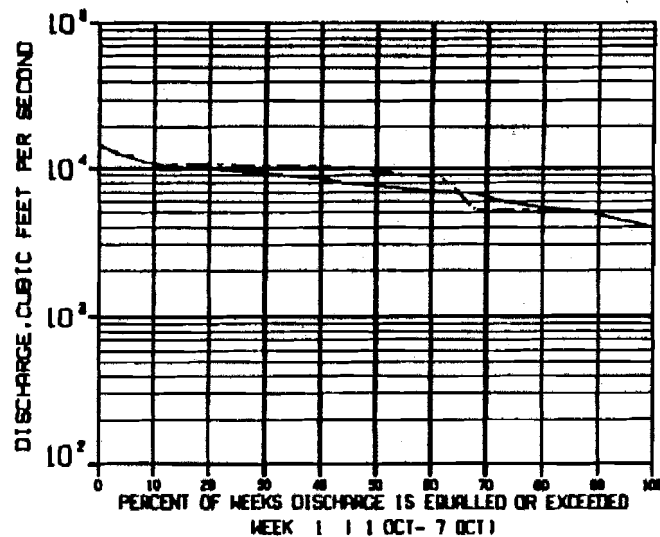
NOTE: CURVES BASED ON SYNTHESIZED WEEKLY FLOW, OCT 1949 THROUGH SEP 1974 AND OBSERVED WEEKLY FLOW OCT 1974 THROUGH SEP 1983 HARZA-EDRACO SUSITNA JOINT VENTURE JUNE 84

LEGEND
 ——— NATURAL
 - - - - - WITH PROJECT
 CASE C MINIMUM TARGET FLOWS
 FOR LOAD CONDITIONS 1986
 (NATANA ONLY)

FLOW DURATION CURVES
 BASED ON WEEKLY DISCHARGE
 SUSITNA RIVER AT SUSITNA STATION

EXHIBIT 6

**Flow Duration Curves Based on
Weekly Discharge at Gold Creek for
Natural Conditions and With-project for
2020 Load Conditions**

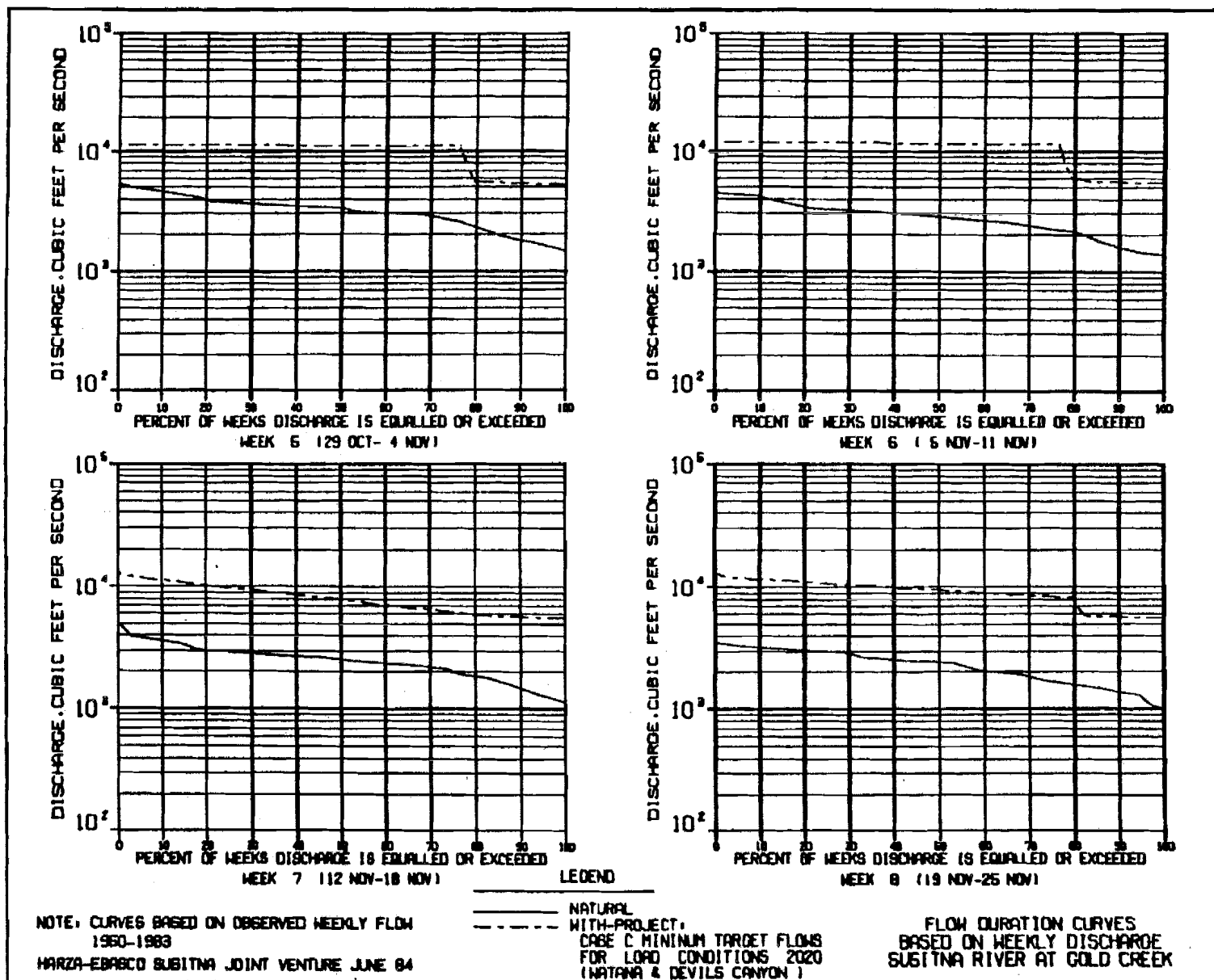


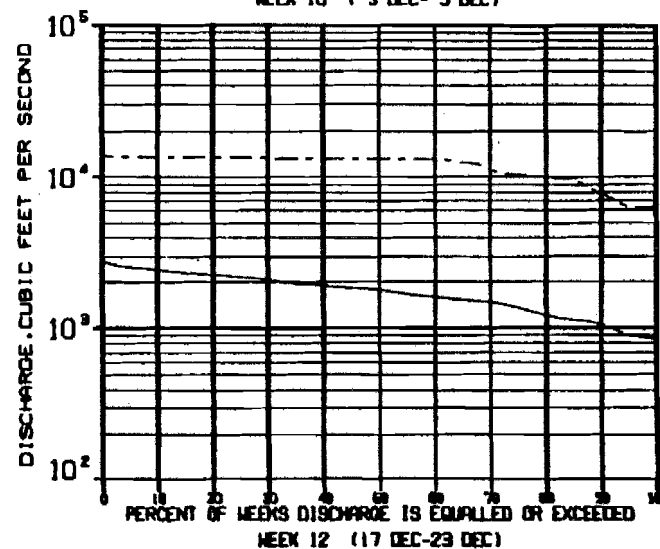
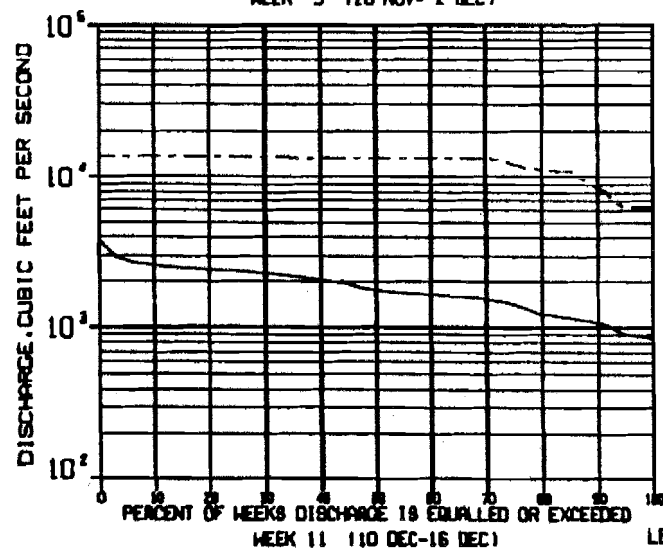
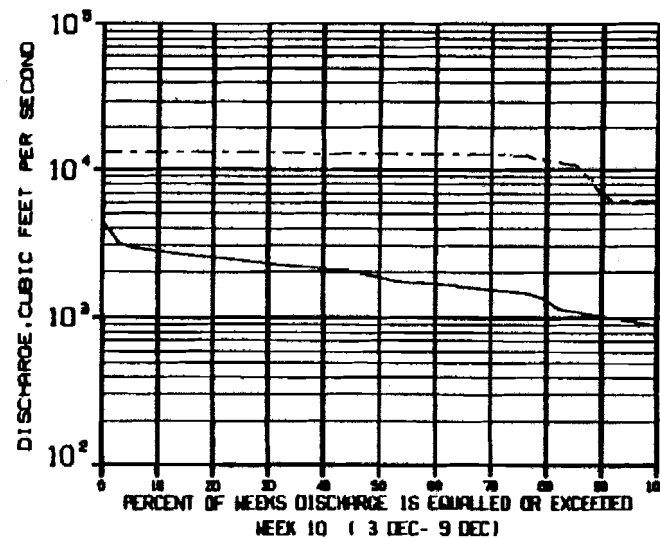
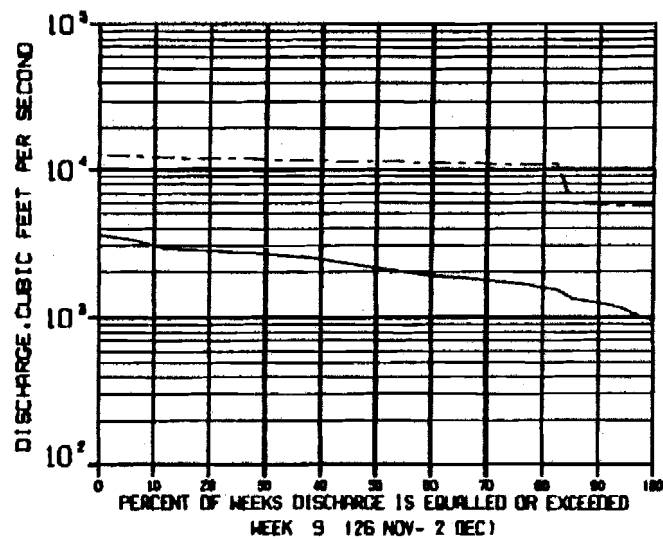
LEGEND

——— NATURAL
 - - - WITH-PROJECT,
 CASE C MINIMUM TARGET FLOWS
 FOR LOAD CONDITIONS 2020
 (MATANA & DEVILS CANYON I)

NOTE: CURVES BASED ON OBSERVED WEEKLY FLOW
 1960-1983
 HARZA-EDBSCO SUSITNA JOINT VENTURE JUNE 84

FLOW DURATION CURVES
 BASED ON WEEKLY DISCHARGE
 SUSITNA RIVER AT GOLD CREEK

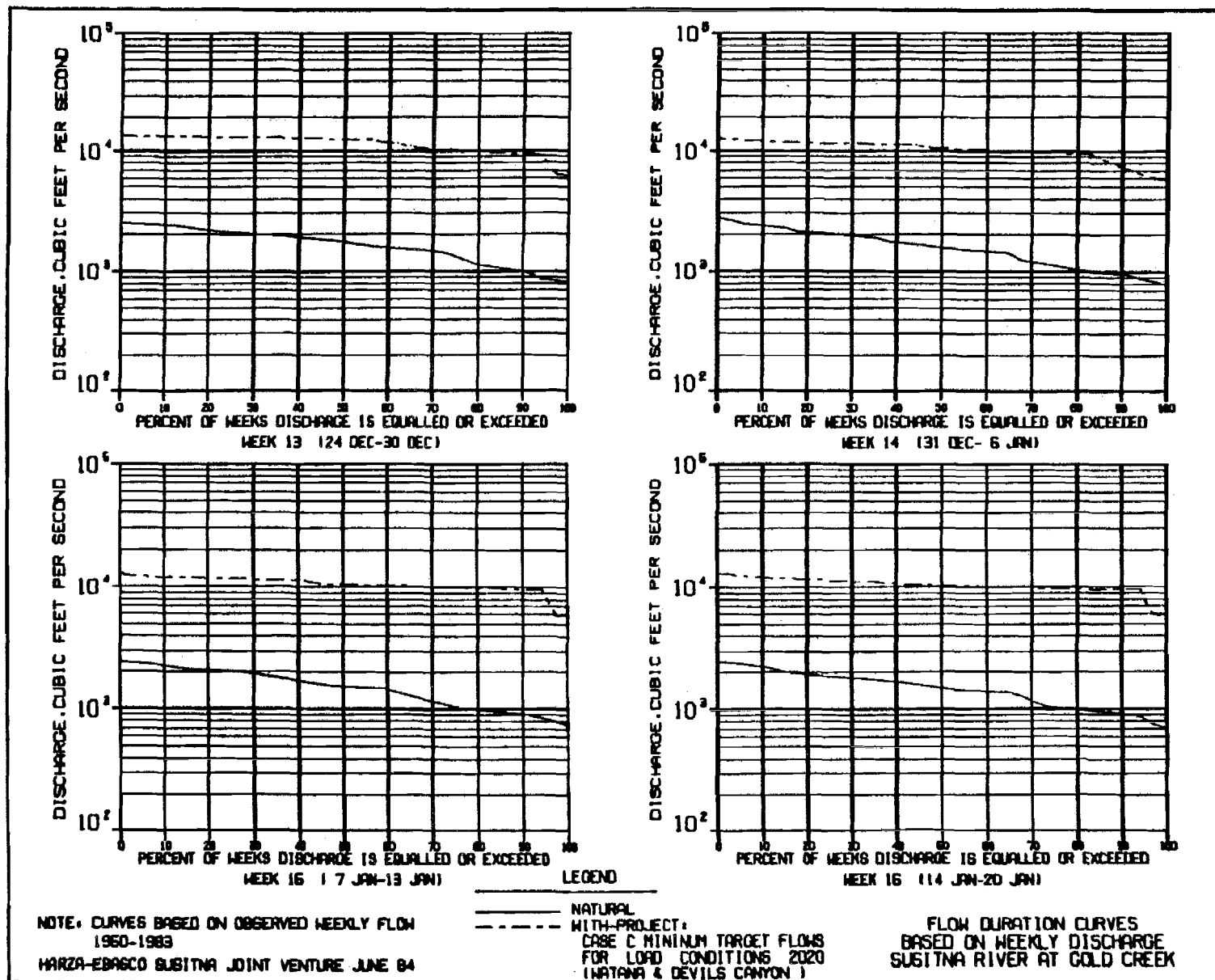


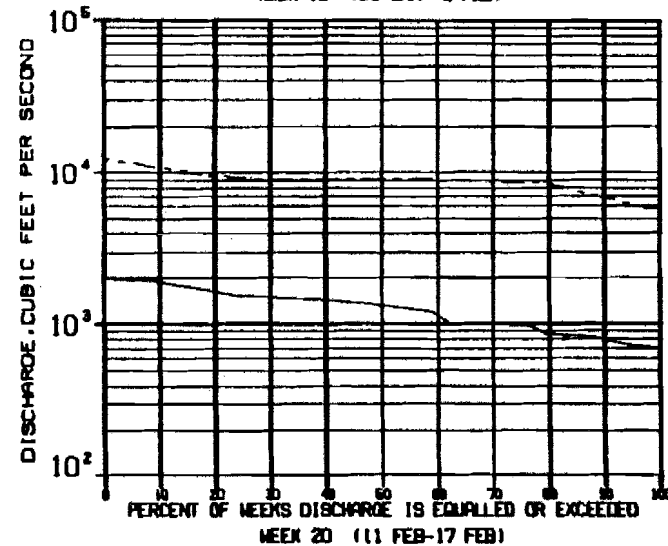
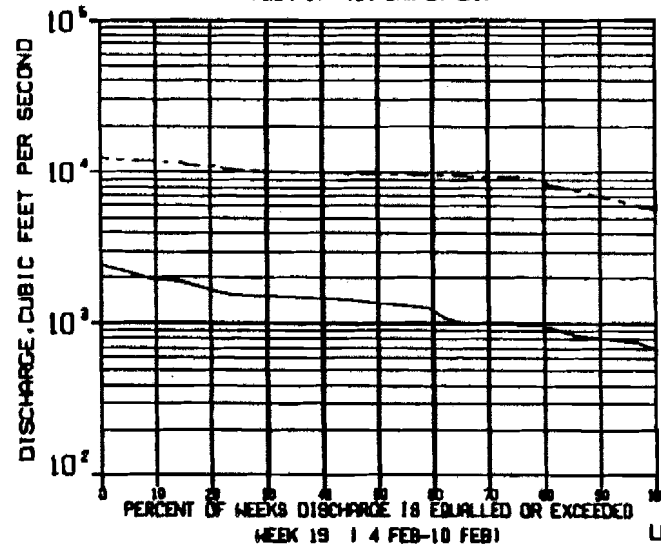
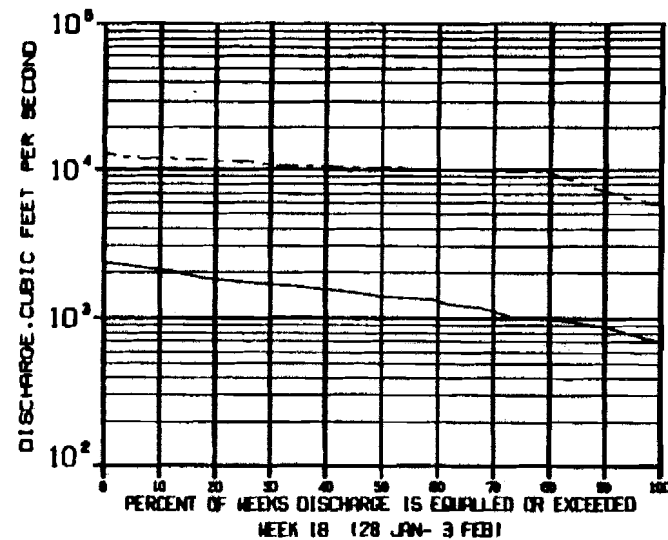
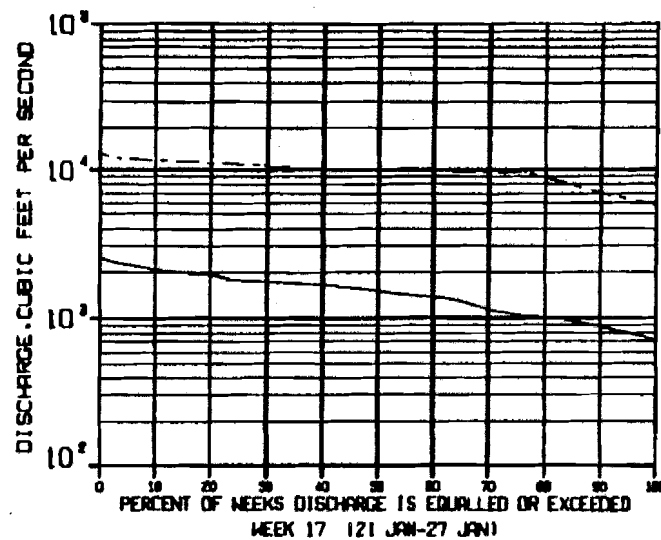


NOTE: CURVES BASED ON OBSERVED WEEKLY FLOW
1960-1983
MARZA-EBRISCO SUSITNA JOINT VENTURE JUNE 84

LEGEND
—— NATURAL
----- WITH-PROJECT
CASE C MINIMUM TARGET FLOWS
FOR LOAD CONDITIONS 2020
(NATANA & DEVILS CANYON)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUSITNA RIVER AT GOLD CREEK



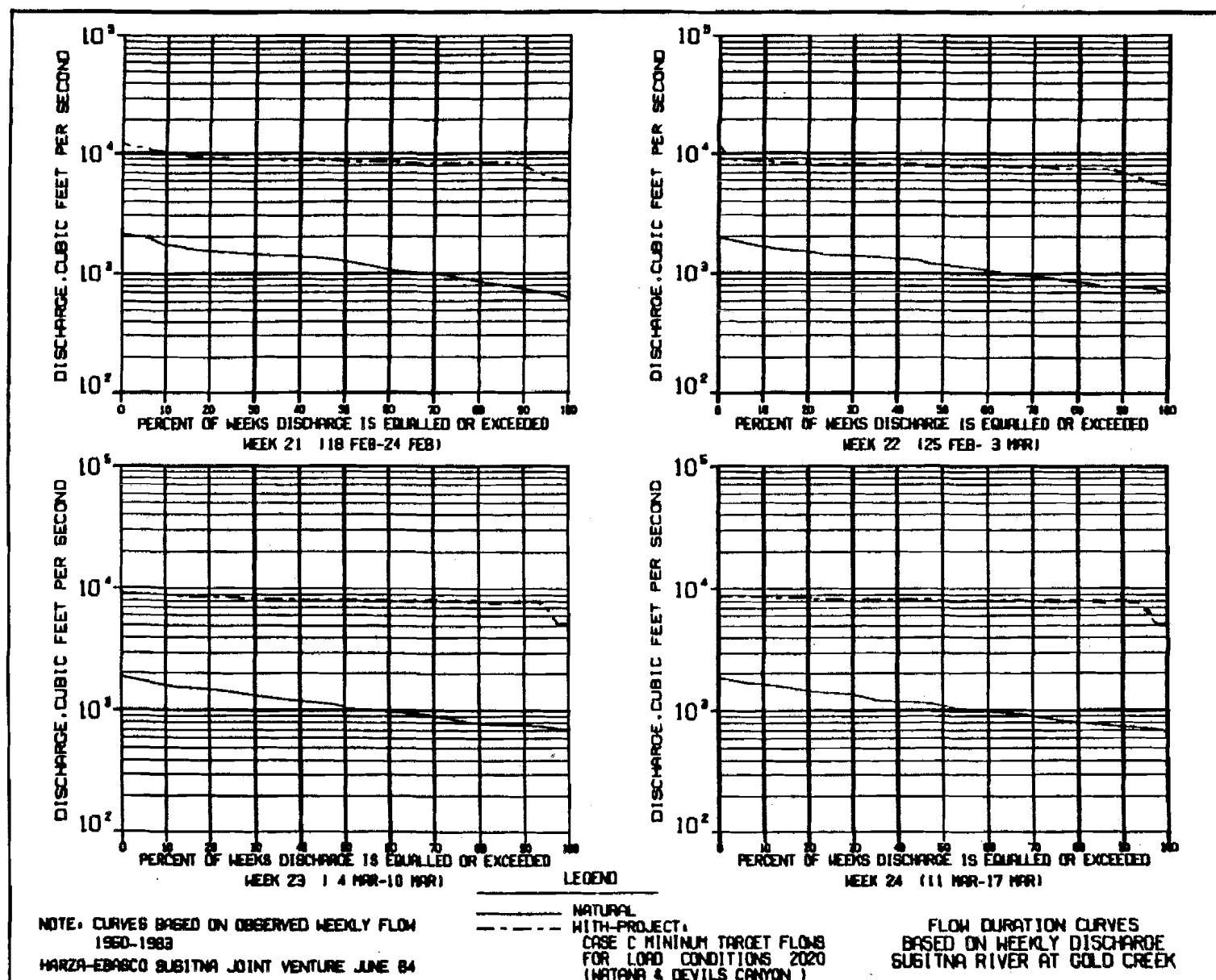


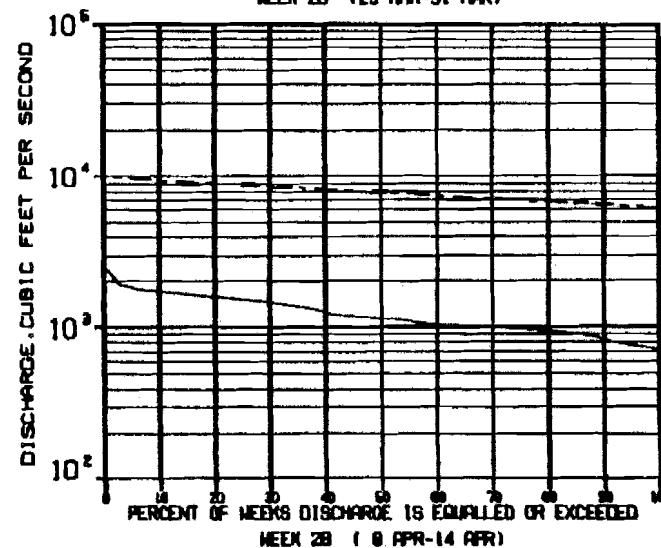
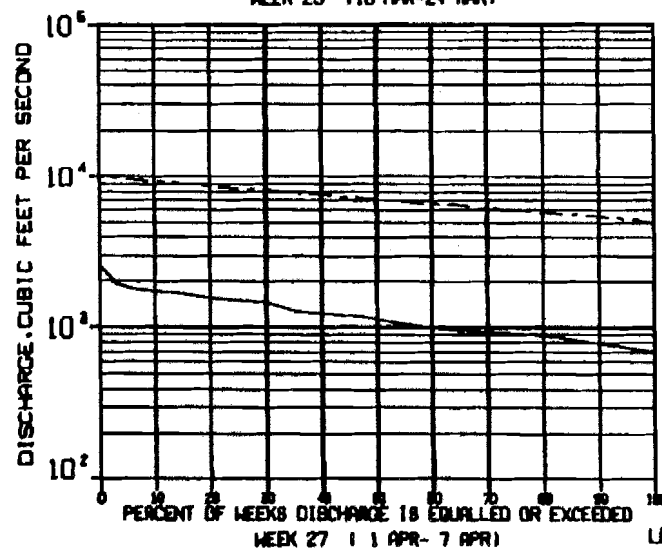
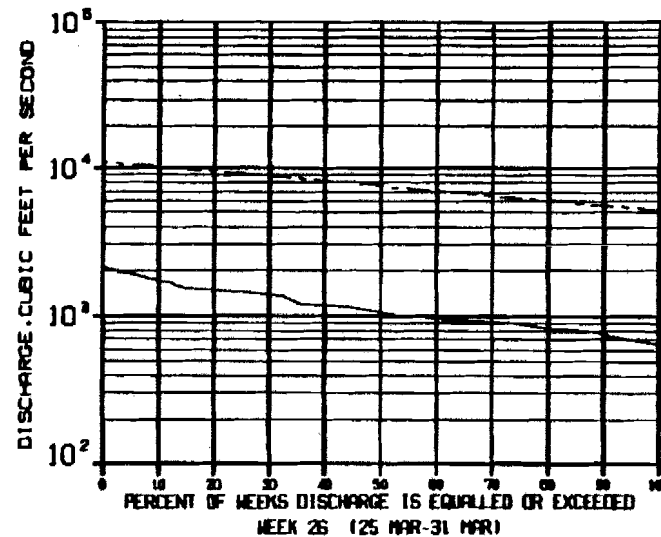
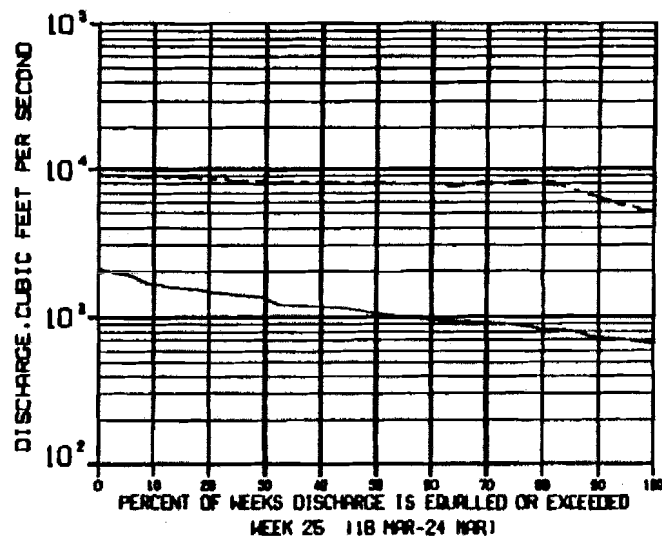
LEGEND

NOTE: CURVES BASED ON OBSERVED WEEKLY FLOW
1960-1983
HARZA-EBASCO SUBITNA JOINT VENTURE JUNE 84

—— NATURAL
----- WITH-PROJECT
CASE C MINIMUM TARGET FLOWS
FOR LOAD CONDITIONS 2020
(WATANA & DEVILS CANYON)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUBITNA RIVER AT GOLD CREEK

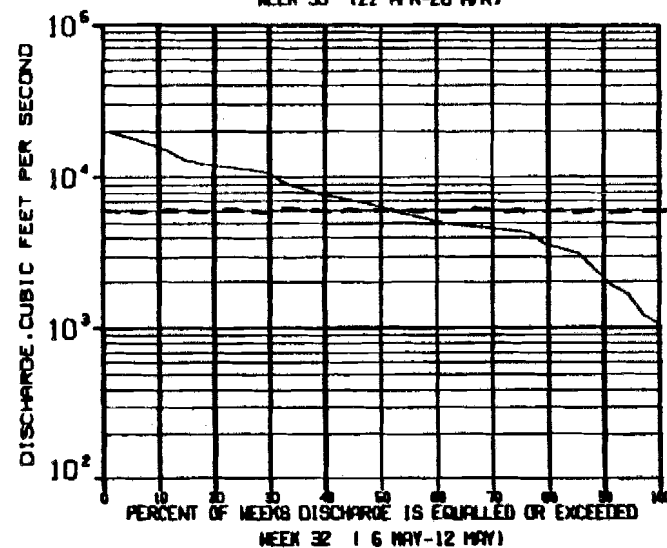
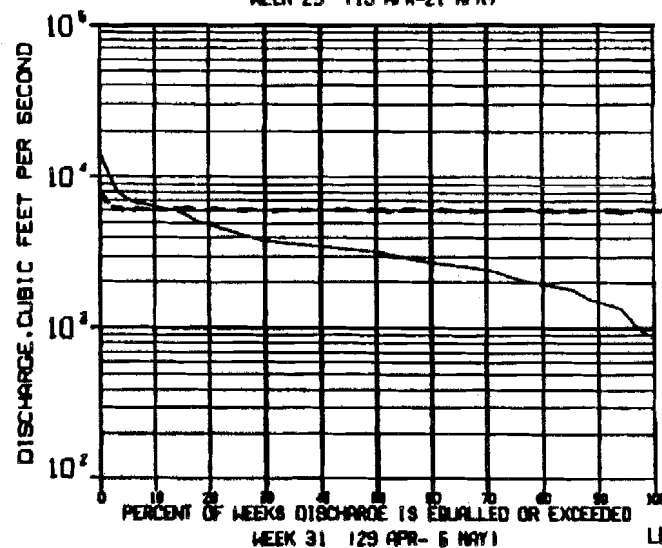
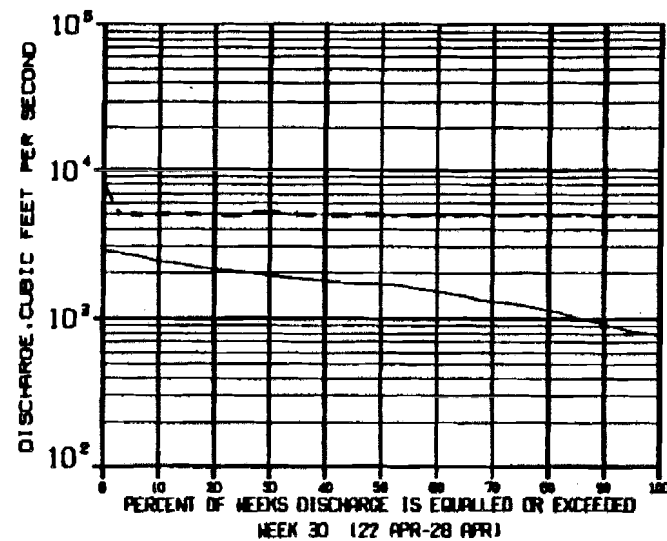
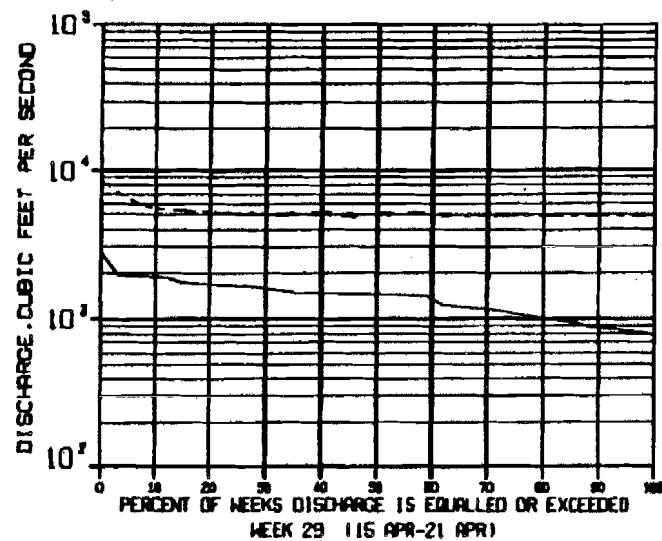




LEGEND
 — NATURAL
 - - - WITH-PROJECT
 CASE C MINIMUM TARGET FLOWS
 FOR LOAD CONDITIONS 2020
 (MATANA & DEVILS CANYON)

NOTE: CURVES BASED ON OBSERVED WEEKLY FLOW
 1960-1983
 HARZA-EBASCO SUSITNA JOINT VENTURE JUNE 84

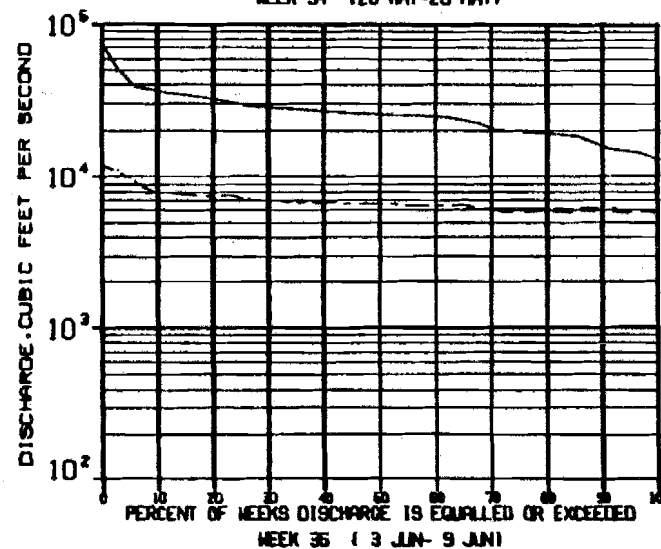
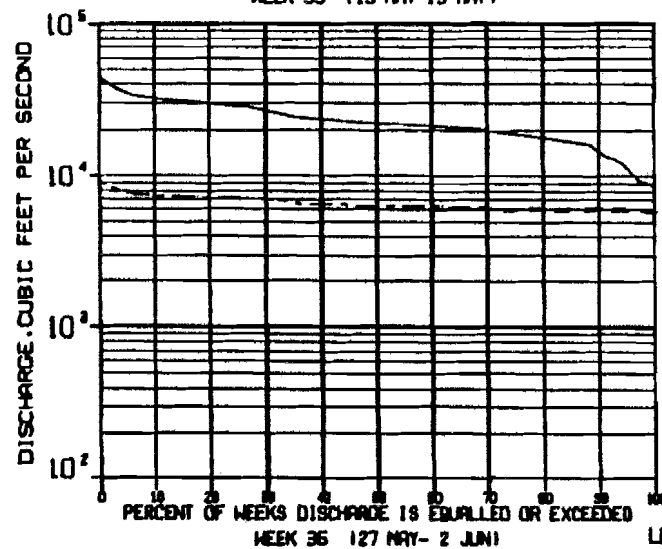
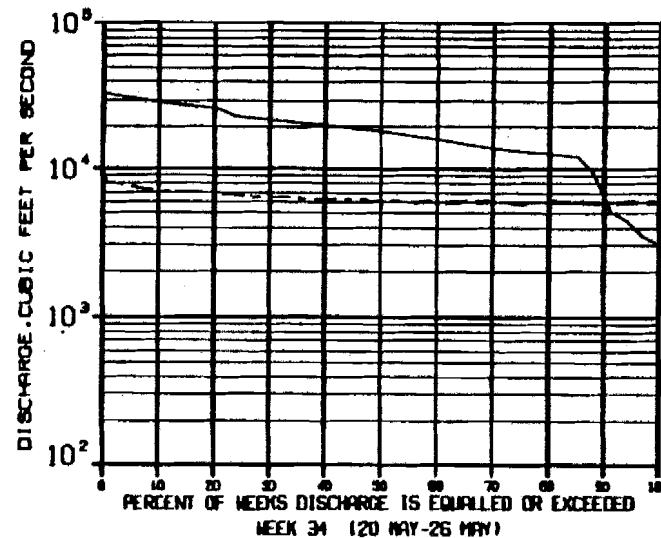
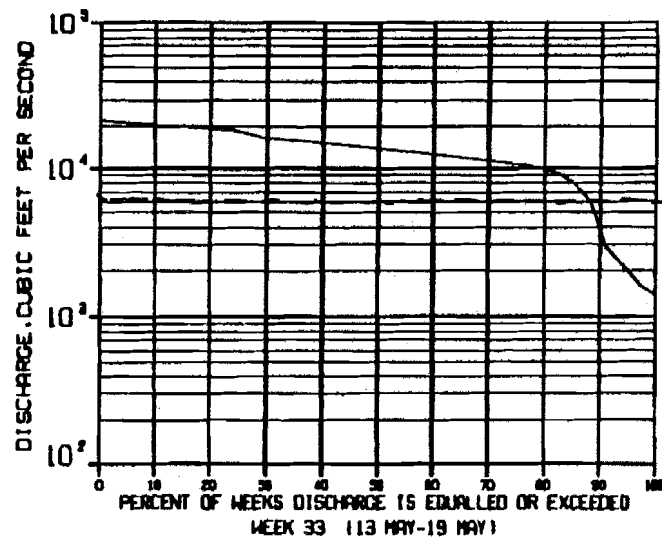
FLOW DURATION CURVES
 BASED ON WEEKLY DISCHARGE
 SUSITNA RIVER AT COLD CREEK



NOTE: CURVES BASED ON OBSERVED WEEKLY FLOW
1960-1983
MARZA-ERABCO SUSITNA JOINT VENTURE JUNE 84

LEGEND
—— NATURAL
- - - - WITH PROJECT;
CASE C MINIMUM TARGET FLOWS
FOR LOAD CONDITIONS 2020
(NATANA & DEVILS CANYON)

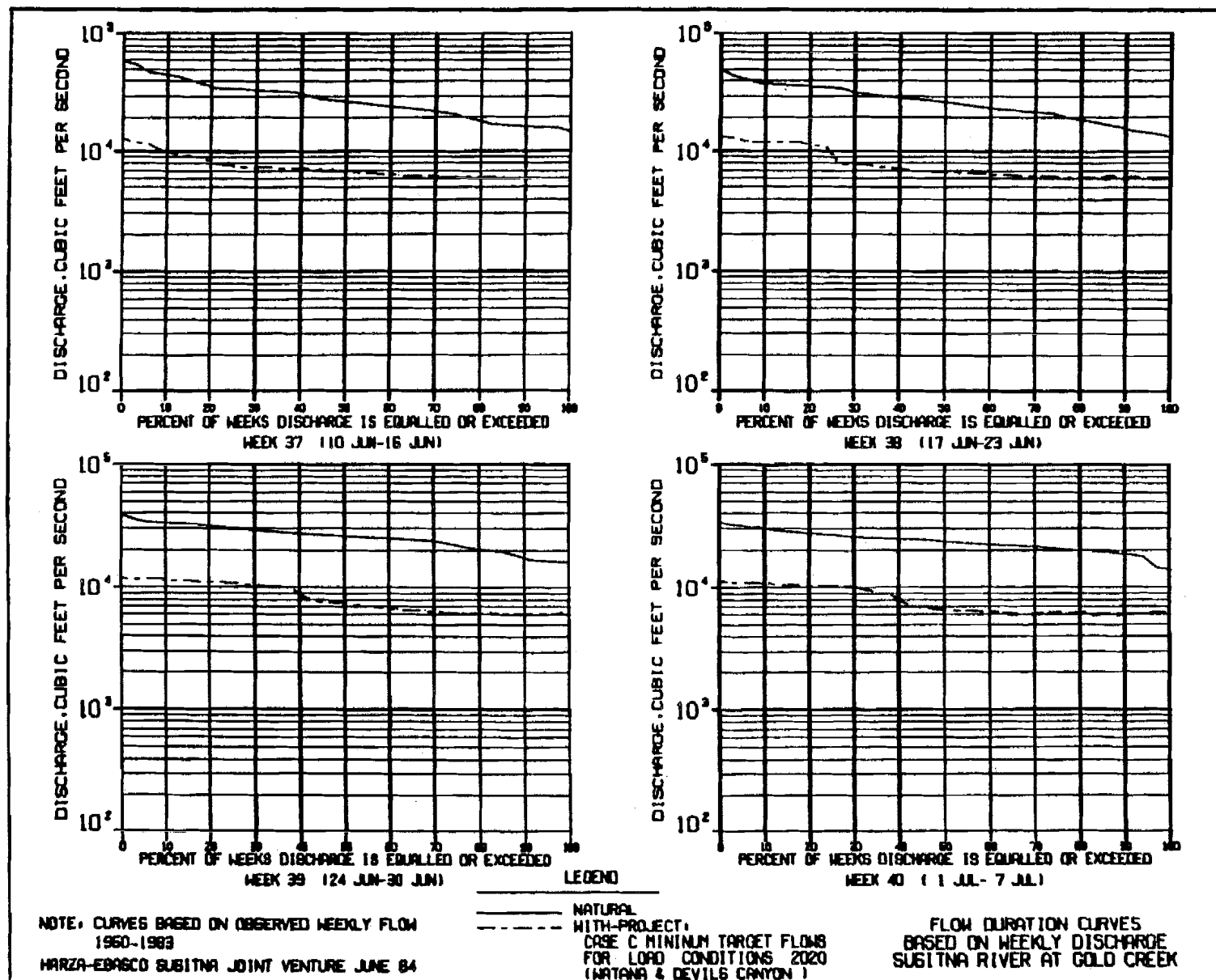
FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUSITNA RIVER AT GOLD CREEK

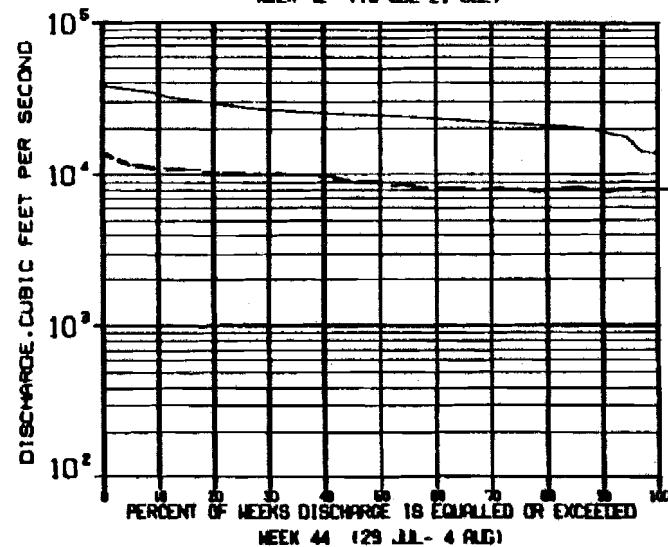
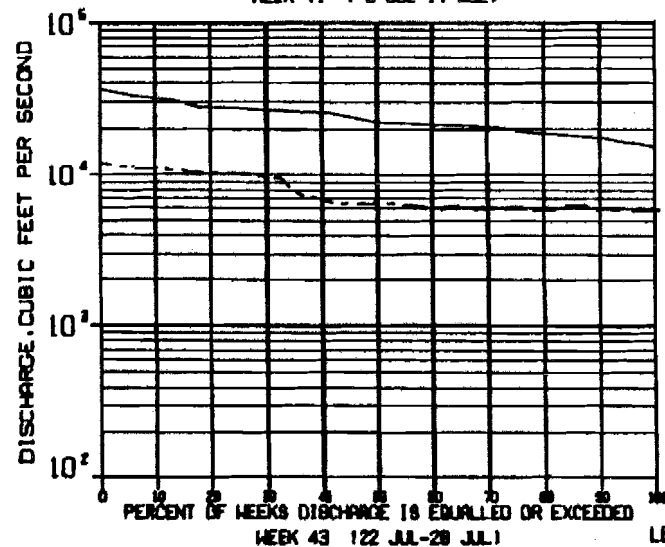
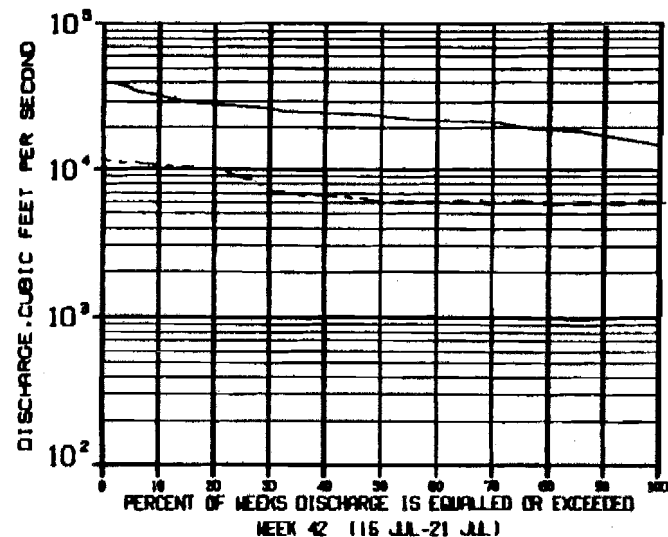
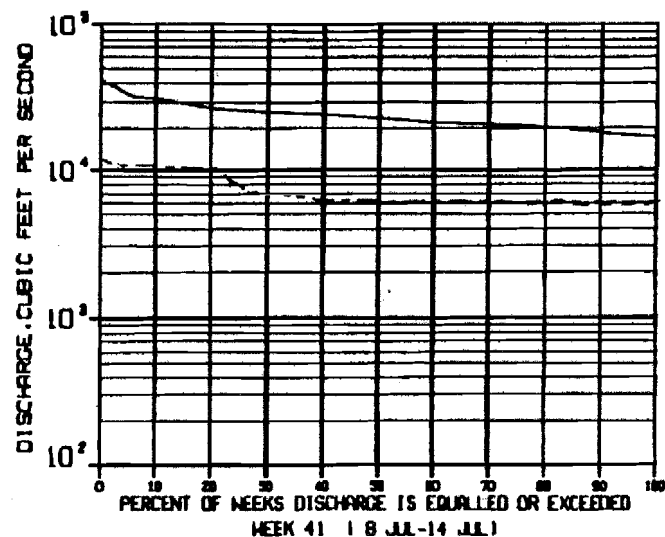


NOTE: CURVES BASED ON OBSERVED WEEKLY FLOW
1960-1983
HARZA-EBASCO SUGITNA JOINT VENTURE JUNE 84

LEGEND
—— NATURAL
----- WITH PROJECT;
CASE C MINIMUM TARGET FLOWS
FOR LOAD CONDITIONS 2020
(WATANA & DEVILS CANYON)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUGITNA RIVER AT GOLD CREEK



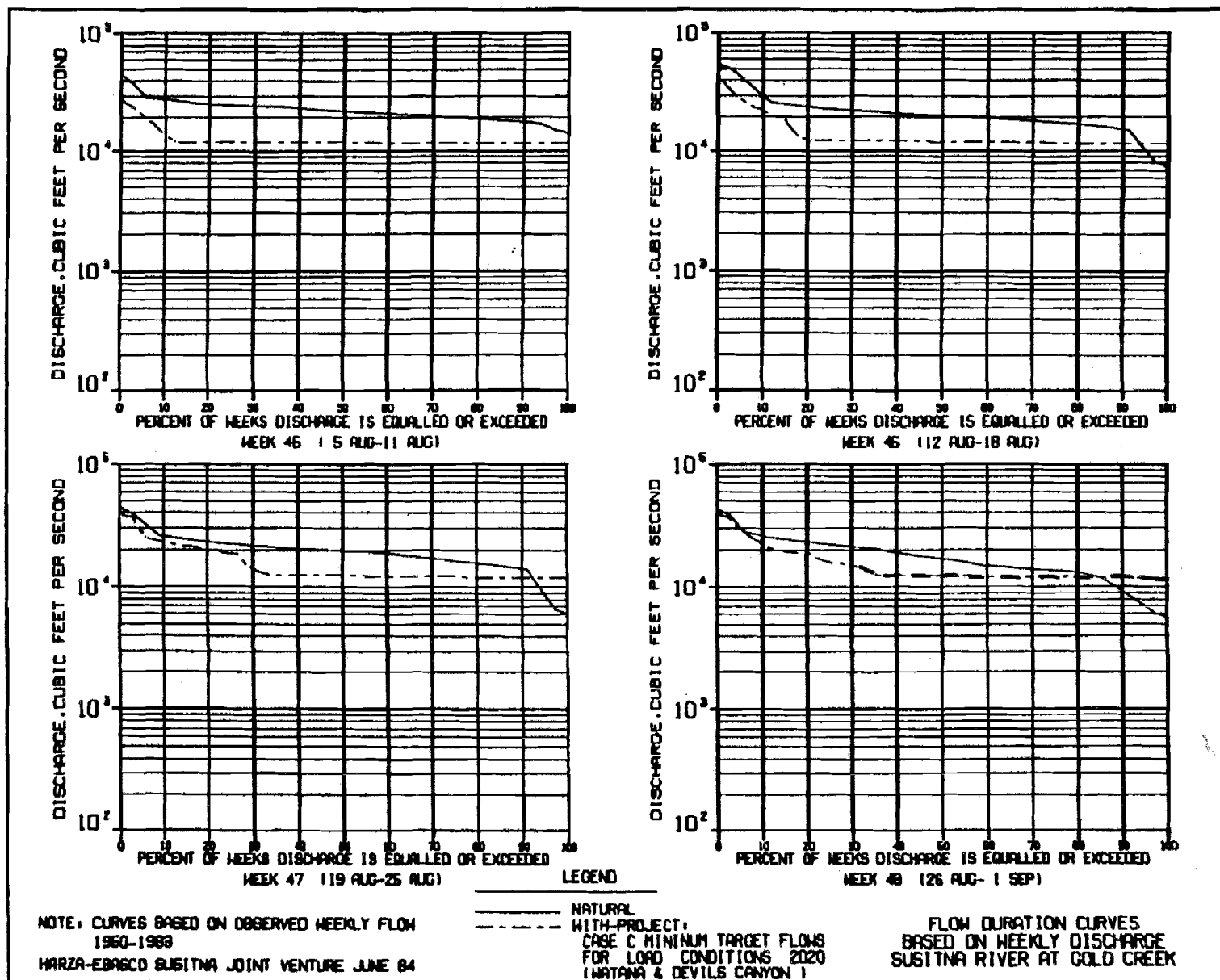


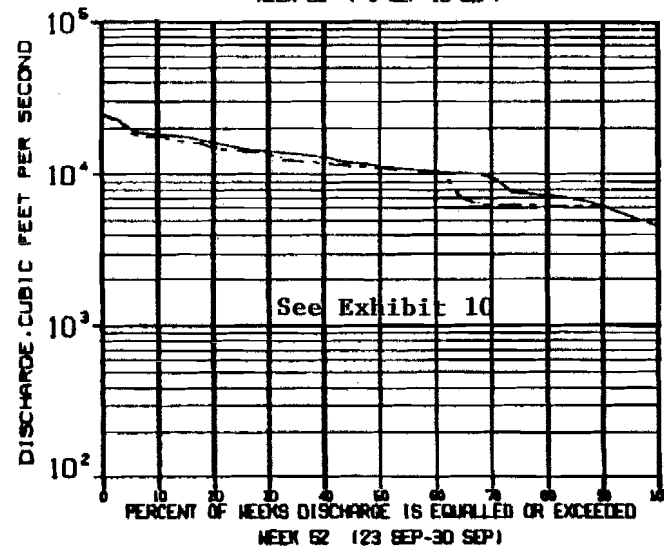
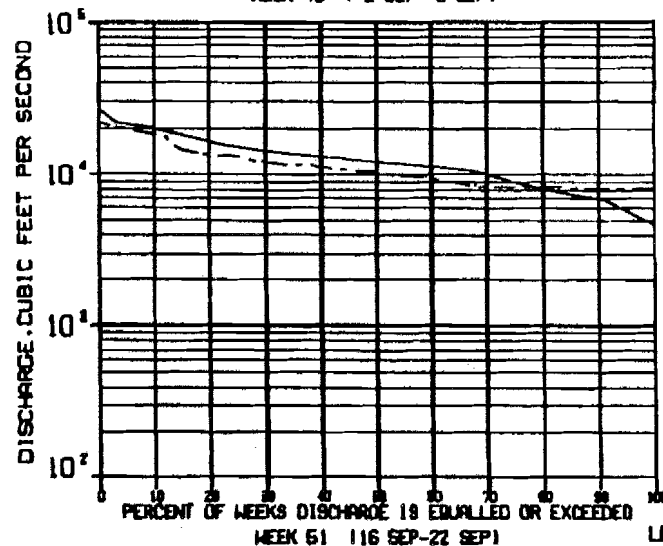
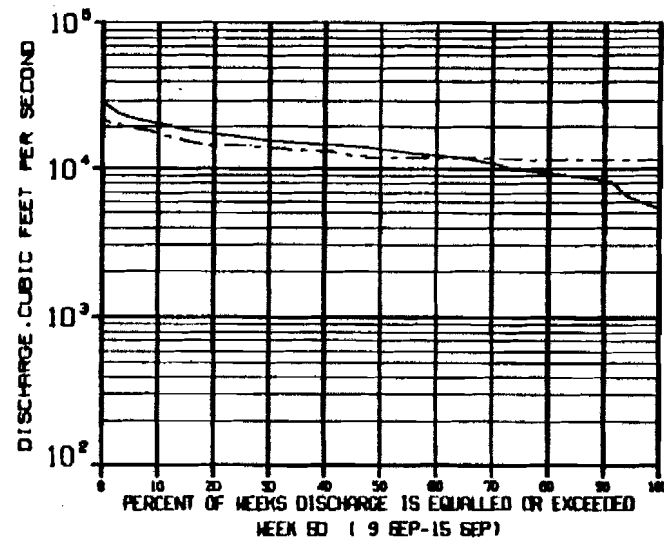
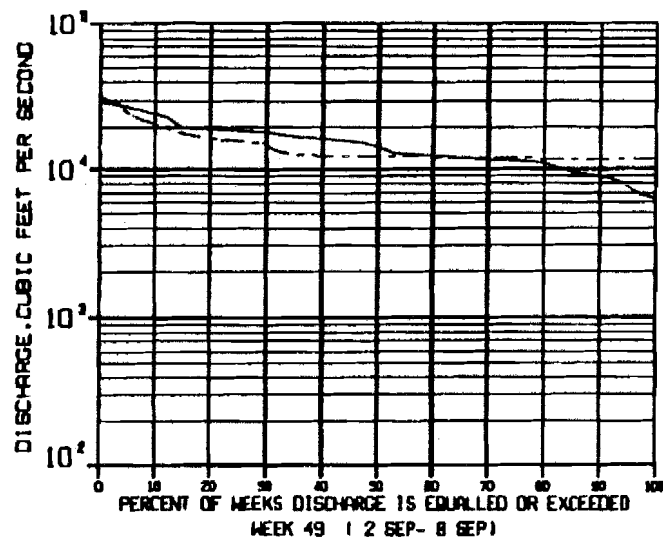
LEGEND

NOTE: CURVES BASED ON OBSERVED WEEKLY FLOW
1950-1983
HARZA-EBASCO SUGITNA JOINT VENTURE JUNE 84

—— NATURAL
----- WITH-PROJECT
CASE C MINIMUM TARGET FLOWS
FOR LOAD CONDITIONS 2020
(WATANA & DEVILS CANYON)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUGITNA RIVER AT GOLD CREEK





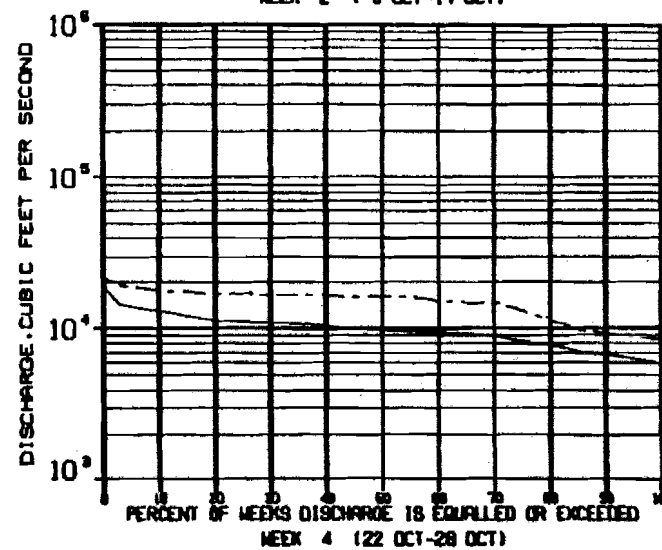
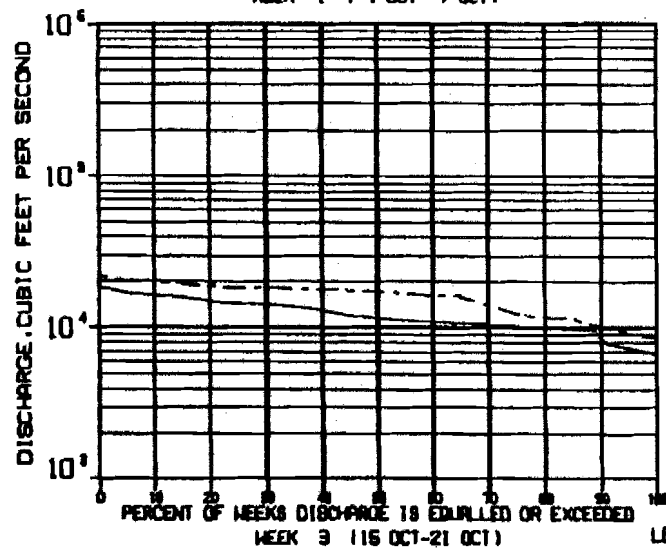
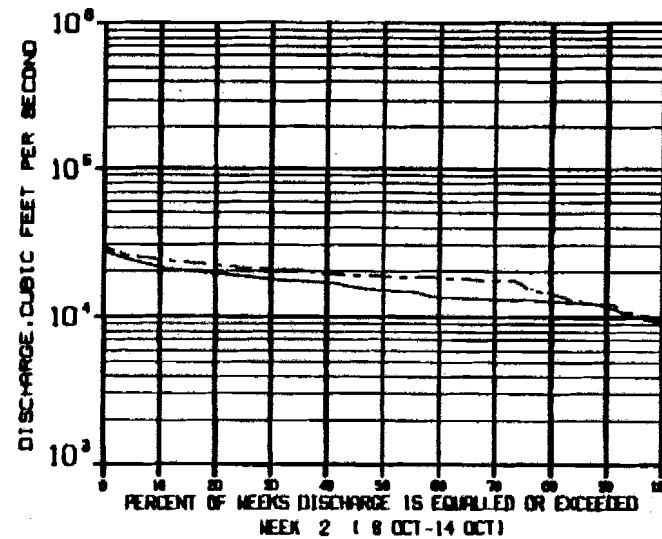
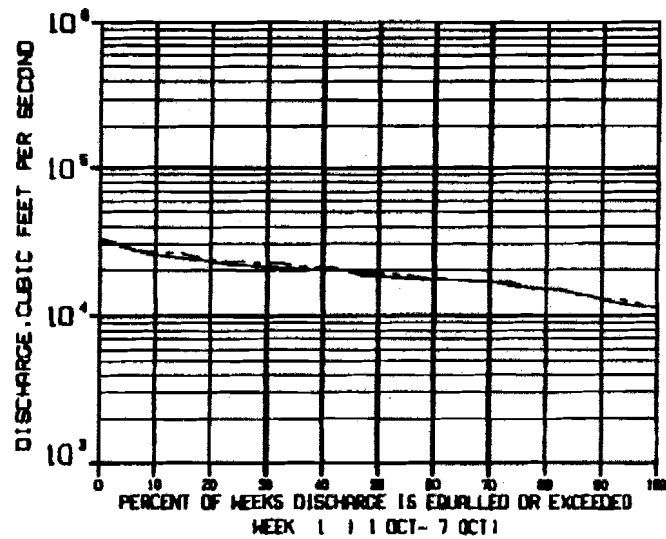
NOTE: CURVES BASED ON OBSERVED WEEKLY FLOW
1960-1983
HARZA-EBRACO SUSITNA JOINT VENTURE JUNE 84

LEGEND
—— NATURAL
----- WITH-PROJECT
CASE C MINIMUM TARGET FLOWS
FOR LOAD CONDITIONS 2020
(NATANA & DEVILS CANYON)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUSITNA RIVER AT GOLD CREEK

EXHIBIT 7

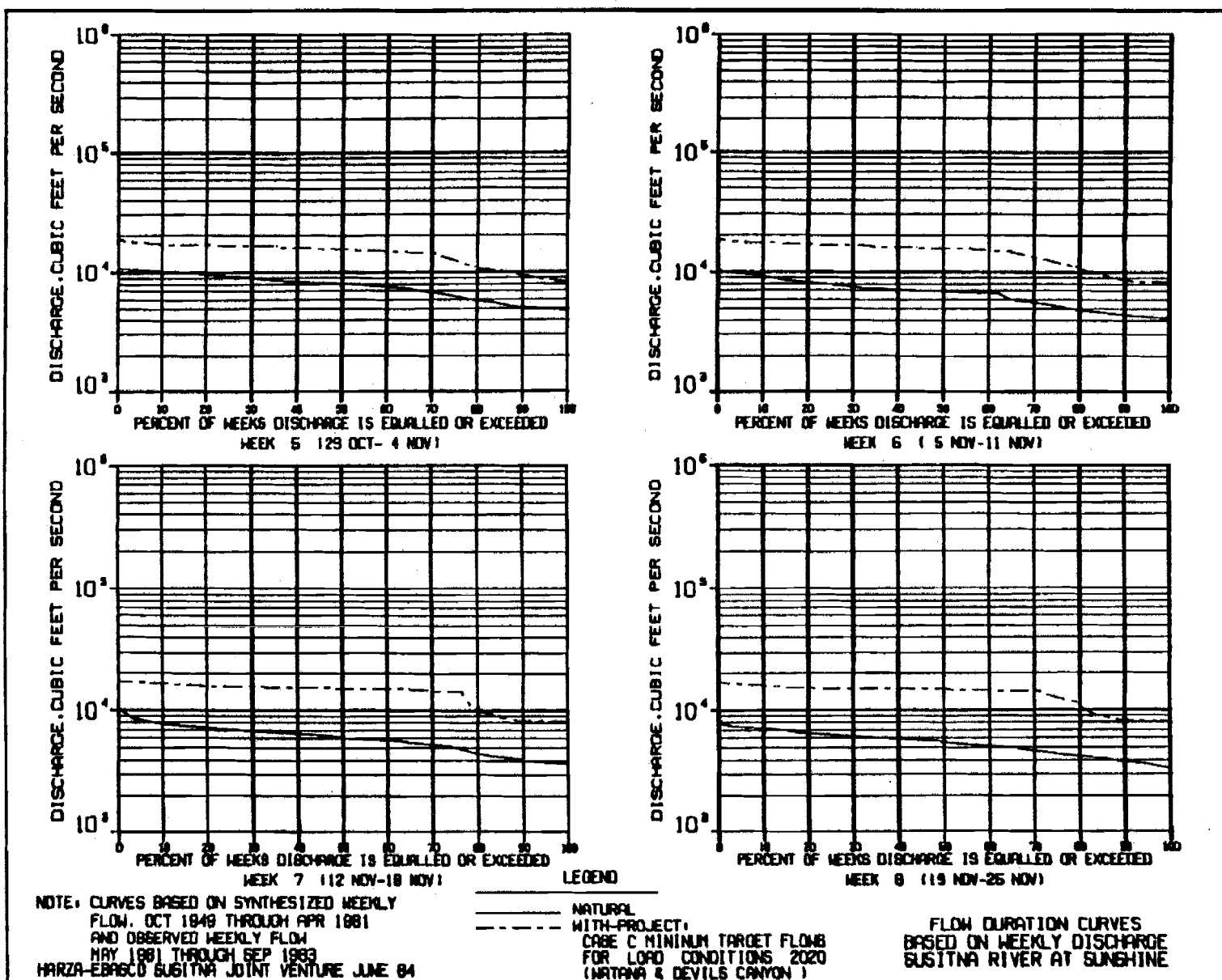
**Flow Duration Curves Based on
Weekly Discharge at Sunshine for
Natural Conditions and With-project for
2020 Load Conditions**

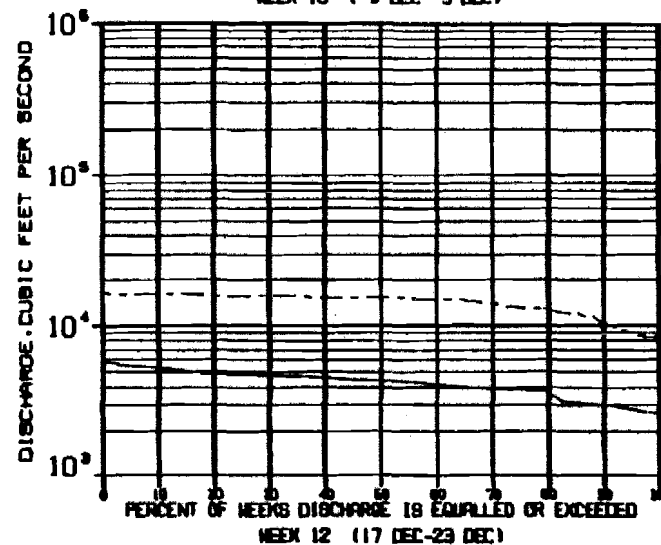
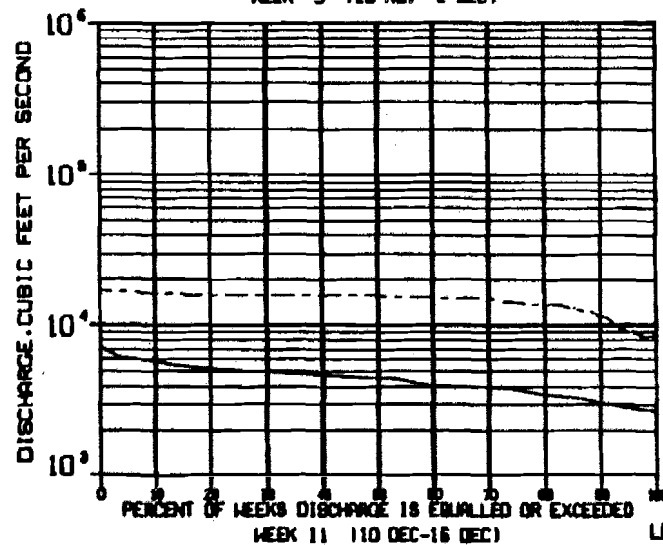
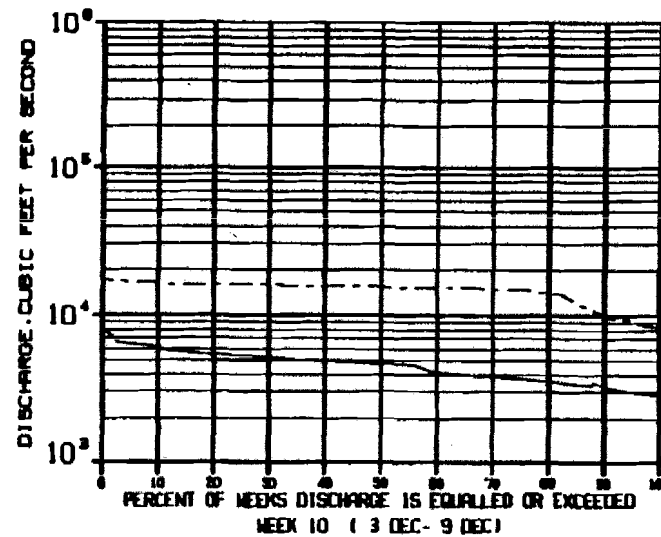
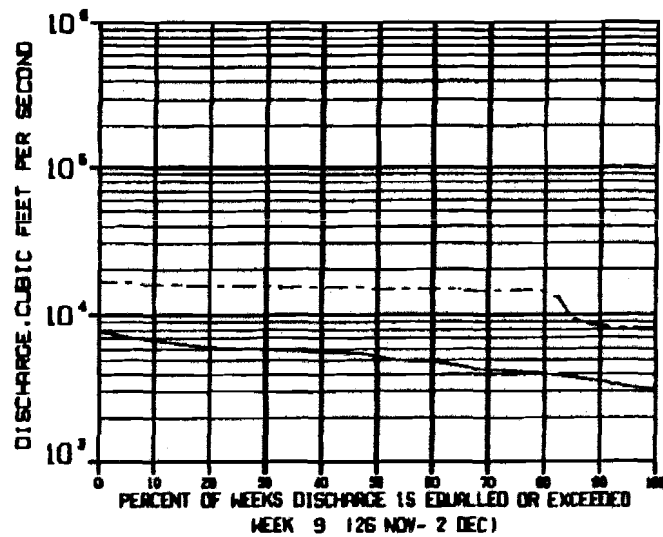


NOTE: CURVES BASED ON SYNTHESIZED WEEKLY
FLOW, OCT 1949 THROUGH APR 1981
AND OBSERVED WEEKLY FLOW
MAY 1981 THROUGH SEP 1983
HARZA-EBARCO SUSITNA JOINT VENTURE JUNE 84

LEGEND
—— NATURAL
----- WITH-PROJECT
CASE C MINIMUM TARGET FLOWS
FOR LOAD CONDITIONS 2020
(NATANA & DEVILS CANYON)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUSITNA RIVER AT SUNSHINE



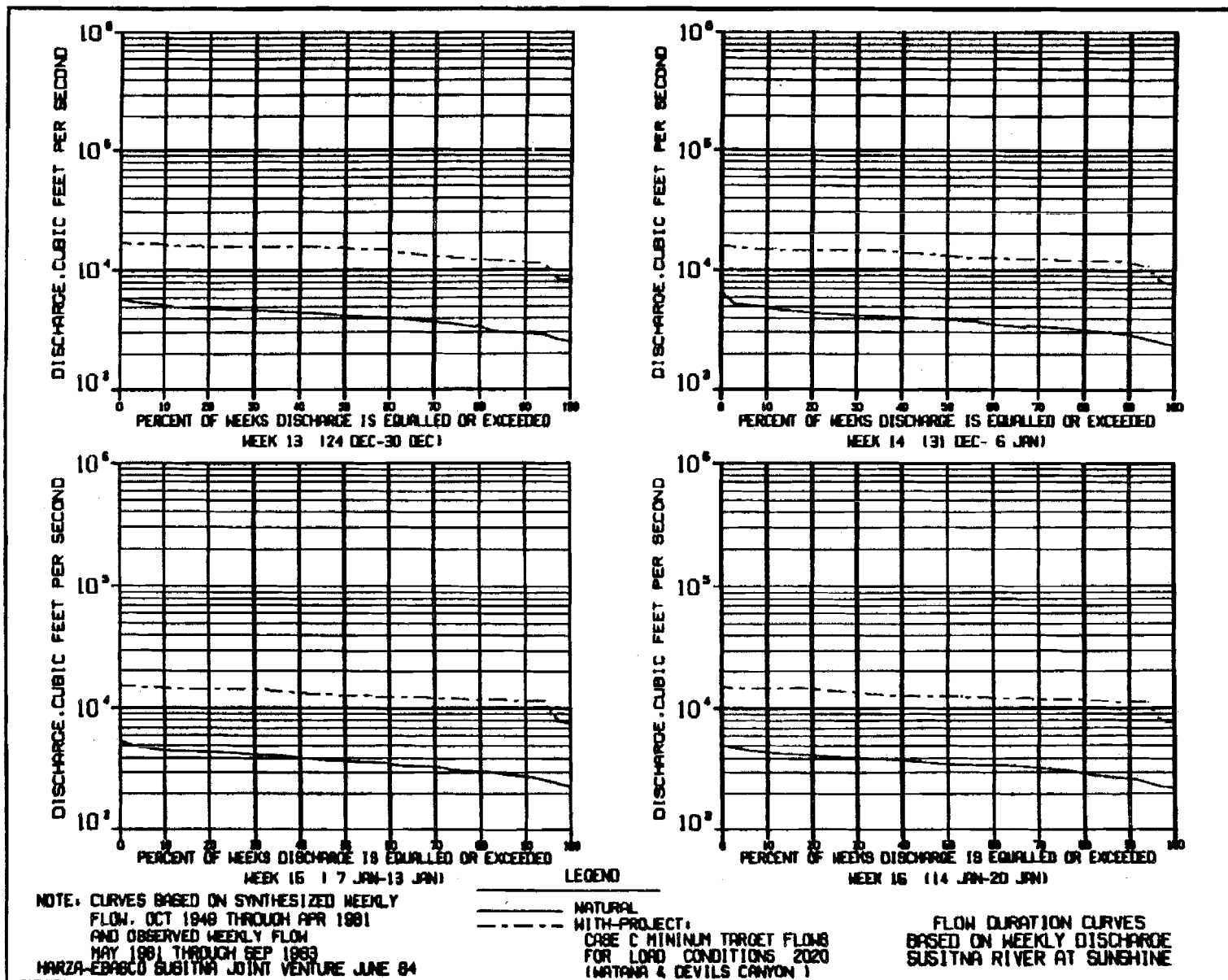


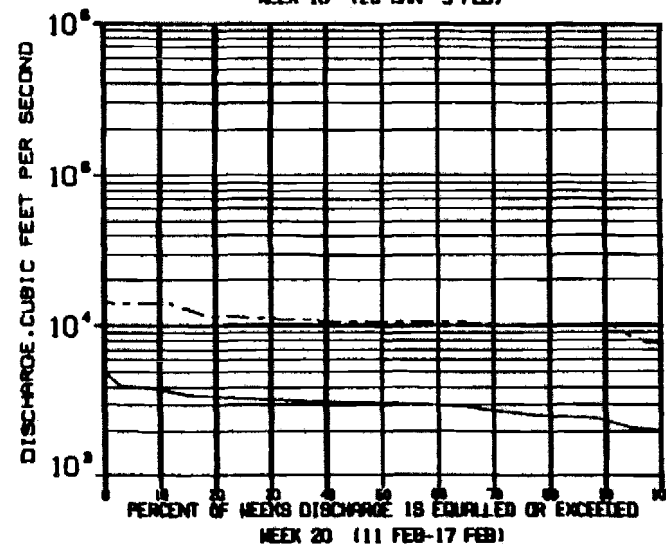
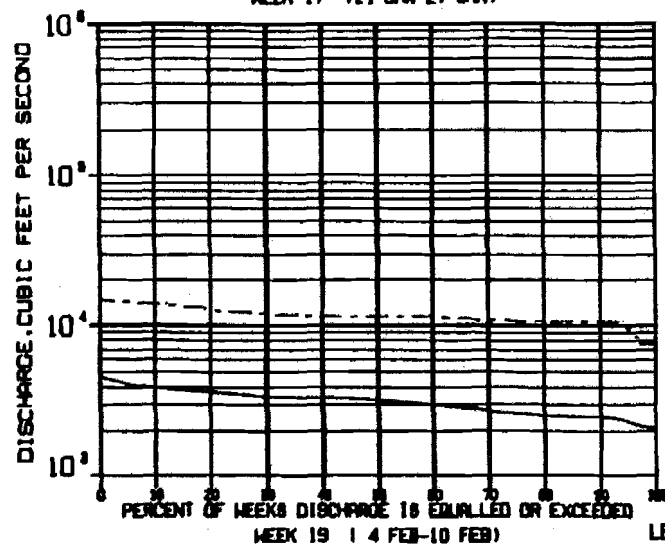
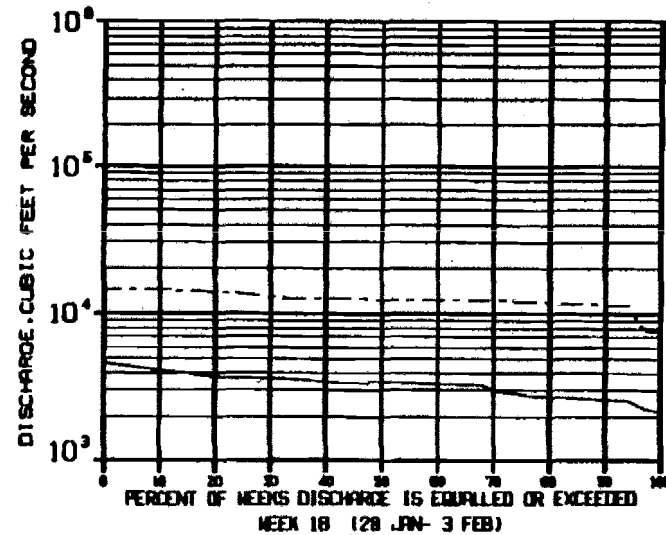
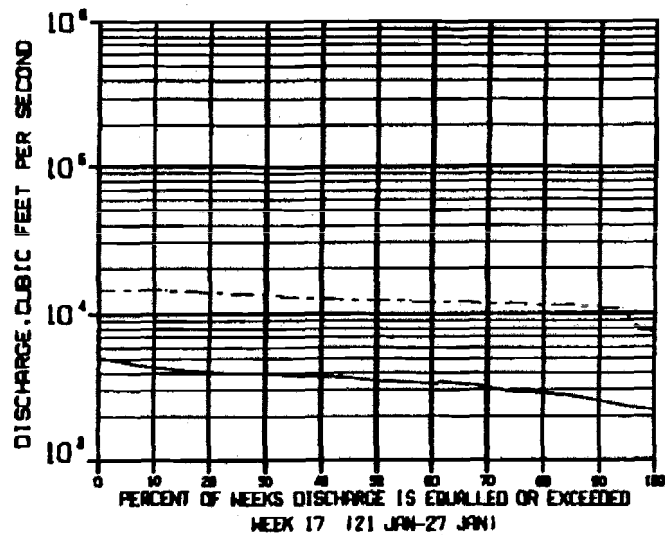
NOTE: CURVES BASED ON SYNTHESIZED WEEKLY FLOW, OCT 1949 THROUGH APR 1981 AND OBSERVED WEEKLY FLOW MAY 1981 THROUGH SEP 1983 HARZA-EBASCO GUSITNA JOINT VENTURE JUNE 84

LEGEND

—— NATURAL
 - - - - WITH-PROJECT
 ——— CASE C MINIMUM TARGET FLOW
 FOR LOAD CONDITIONS 2020
 (WATANA & DEVILS CANYON)

FLOW DURATION CURVES
 BASED ON WEEKLY DISCHARGE
 GUSITNA RIVER AT SUNSHINE

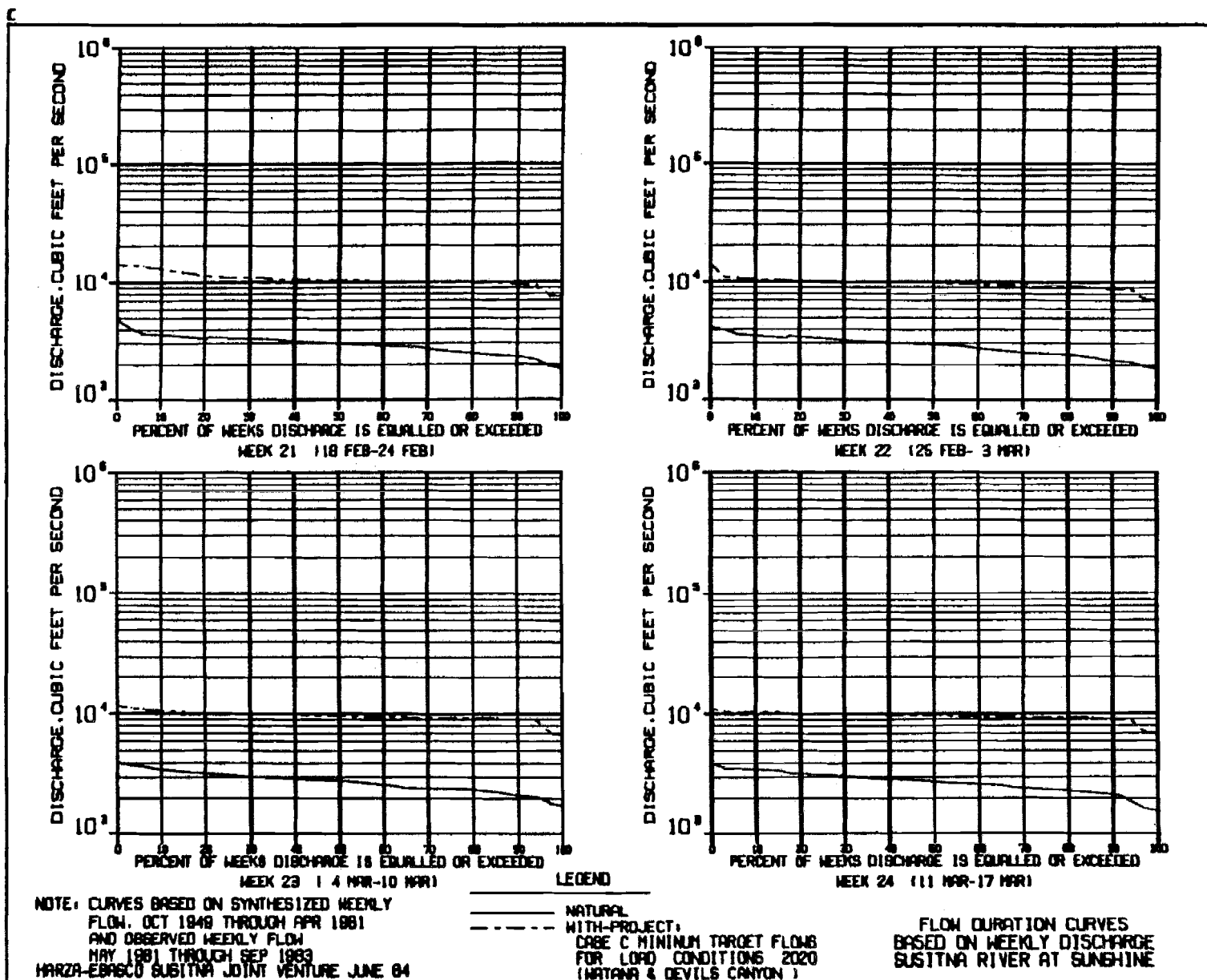


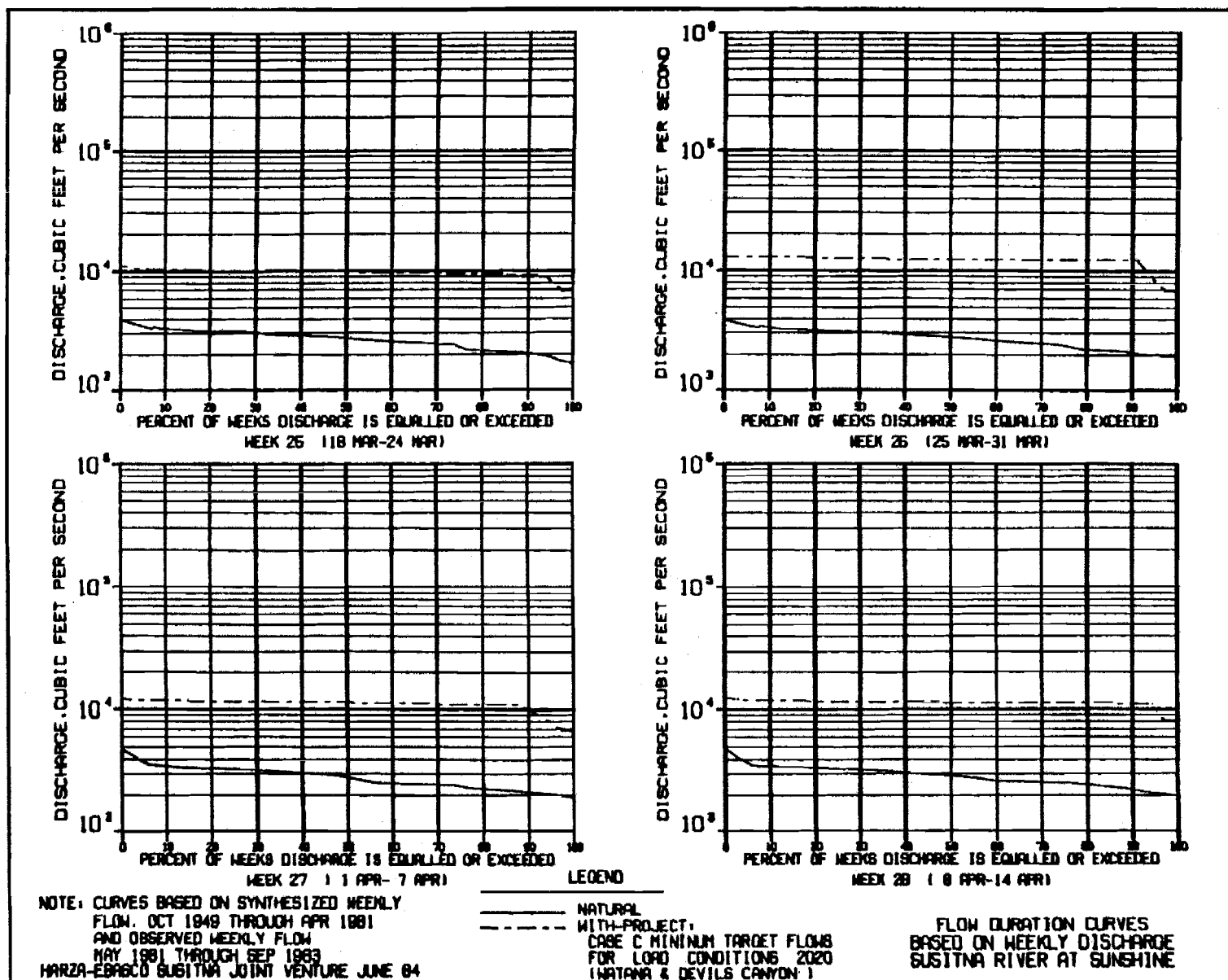


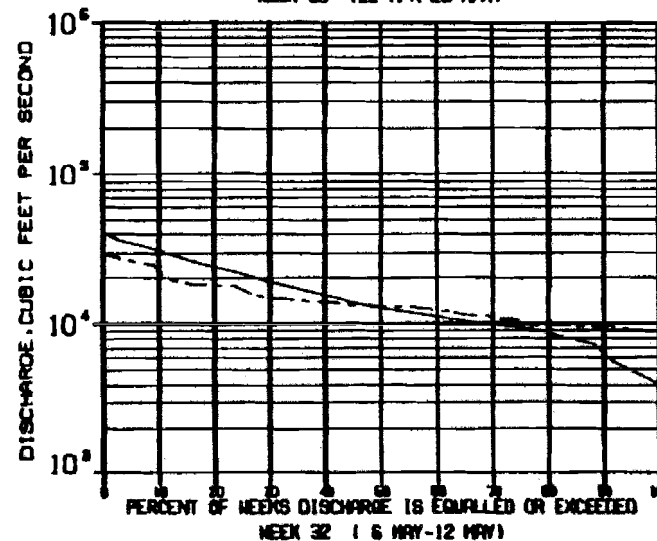
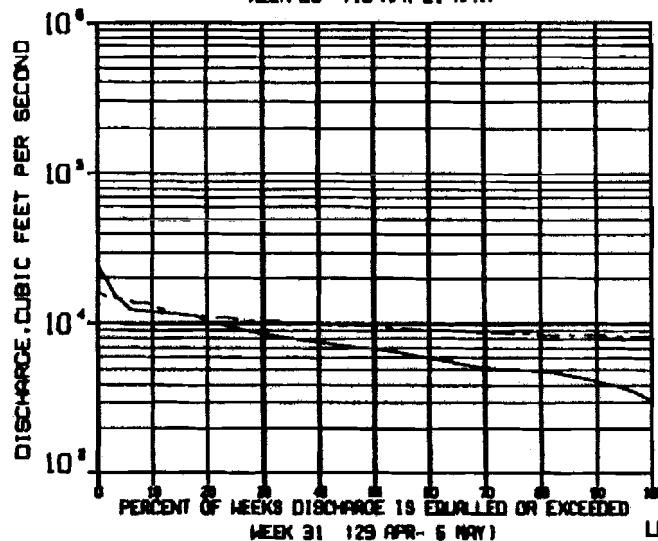
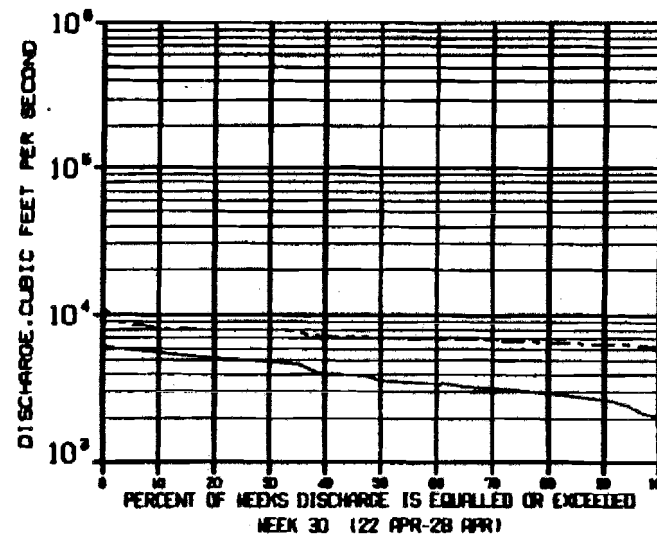
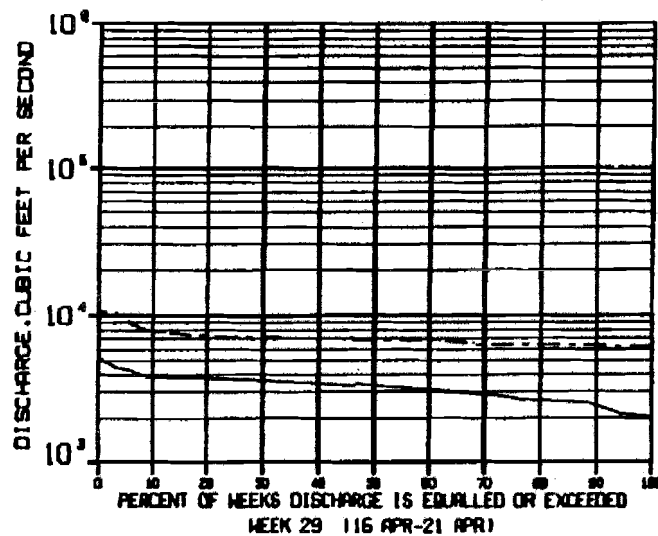
NOTE: CURVES BASED ON SYNTHESIZED WEEKLY
FLOW, OCT 1949 THROUGH APR 1981
AND OBSERVED WEEKLY FLOW
MAY 1981 THROUGH SEP 1983
MARZA-EDRACO SUSITNA JOINT VENTURE JUNE 84

LEGEND
—— NATURAL
----- WITH-PROJECT,
CASE C MINIMUM TARGET FLOW
FOR LOAD CONDITIONS 2020
(MATANA & DEVILS CANYON)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUSITNA RIVER AT SUNSHINE



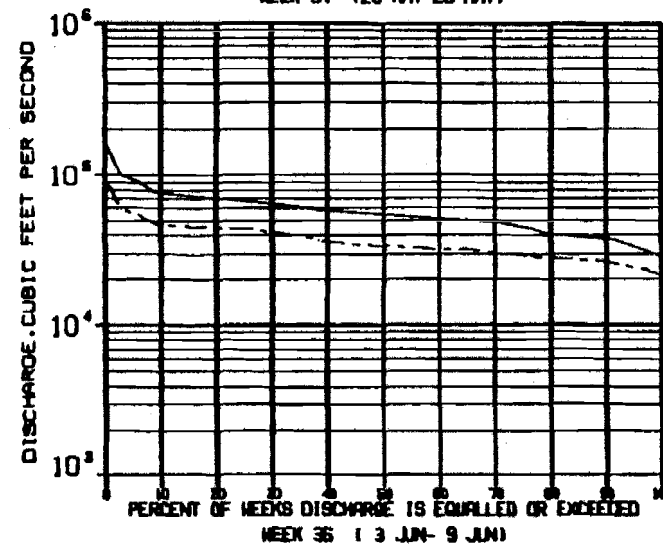
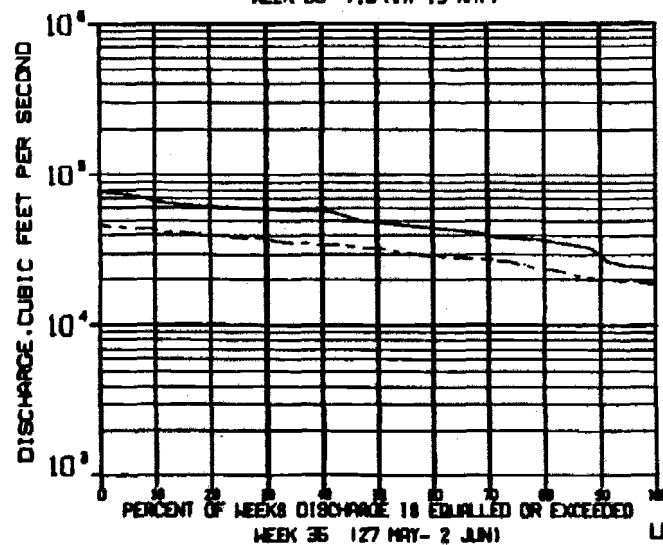
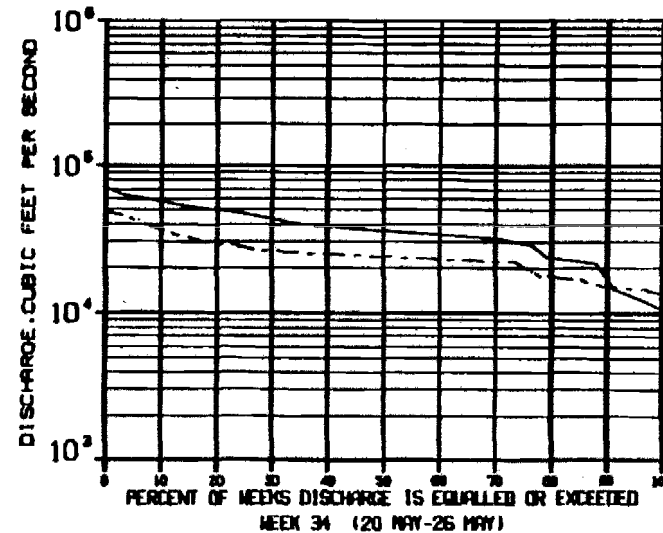
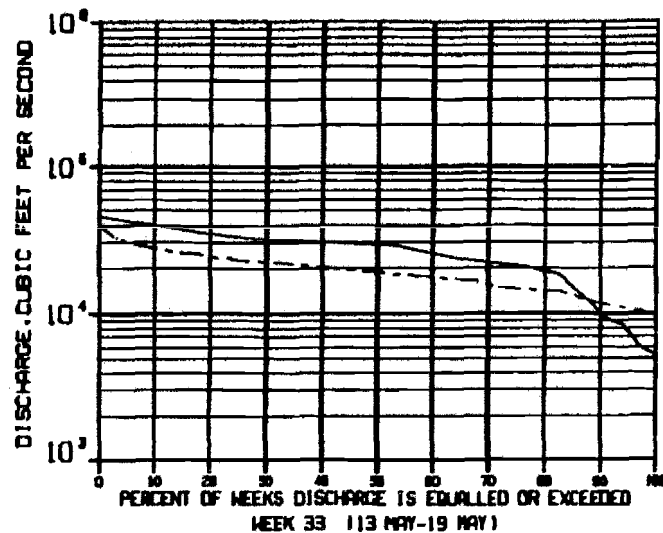




NOTE: CURVES BASED ON SYNTHESIZED WEEKLY
FLOW, OCT 1948 THROUGH APR 1981
AND OBSERVED WEEKLY FLOW
MAY 1981 THROUGH SEP 1983
HARZA-EBASCO SUSITNA JOINT VENTURE JUNE 84

LEGEND
—— NATURAL
----- WITH-PROJECT
CASE C MINIMUM TARGET FLOWS
FOR LOAD CONDITIONS 2020
(NATANA & DEVILS CANYON)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUSITNA RIVER AT SUNSHINE

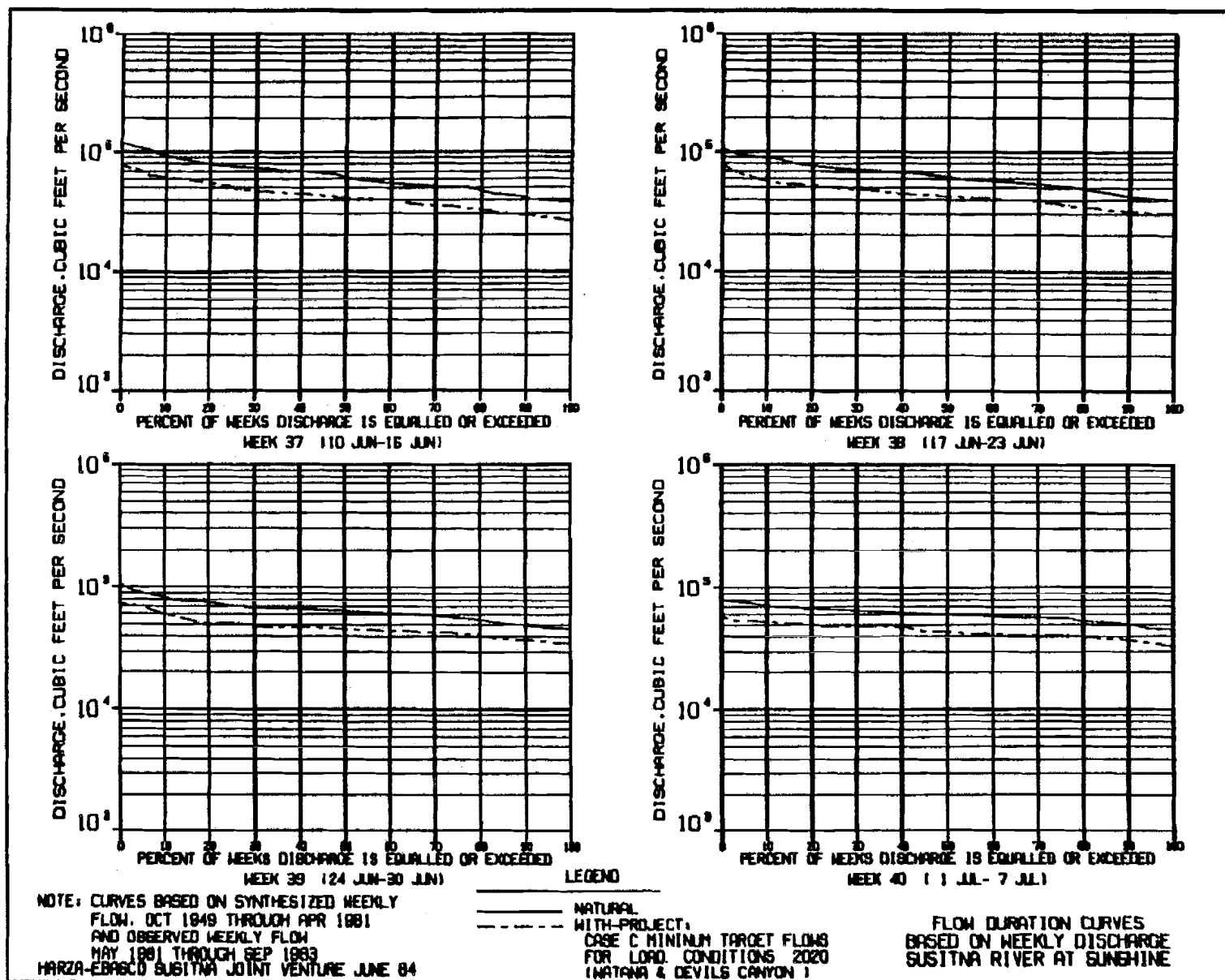


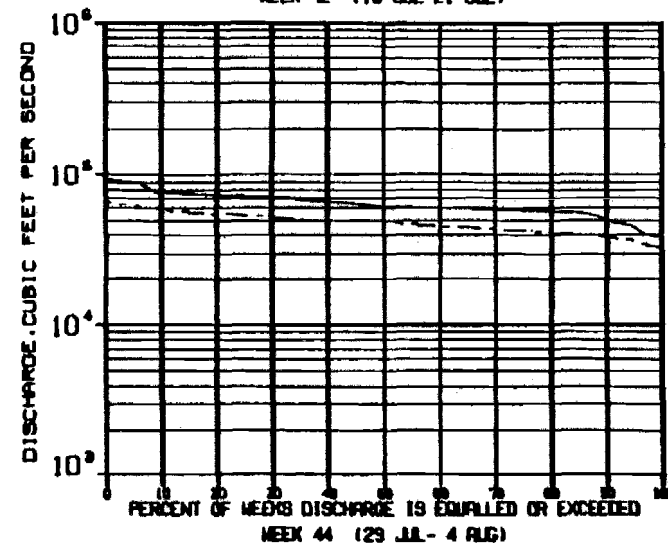
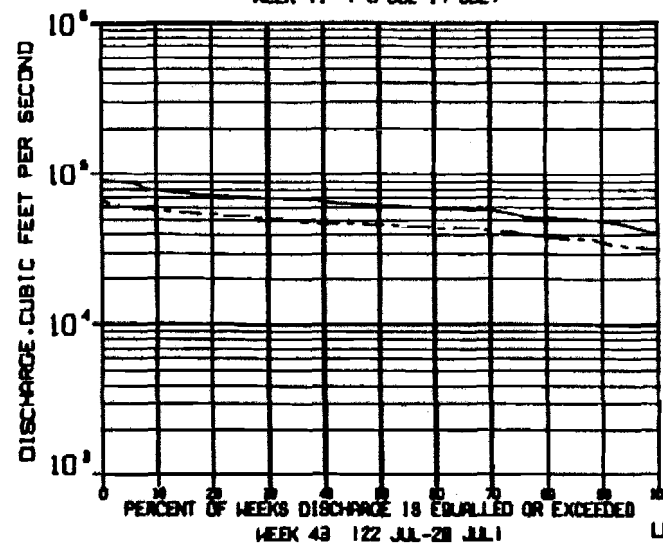
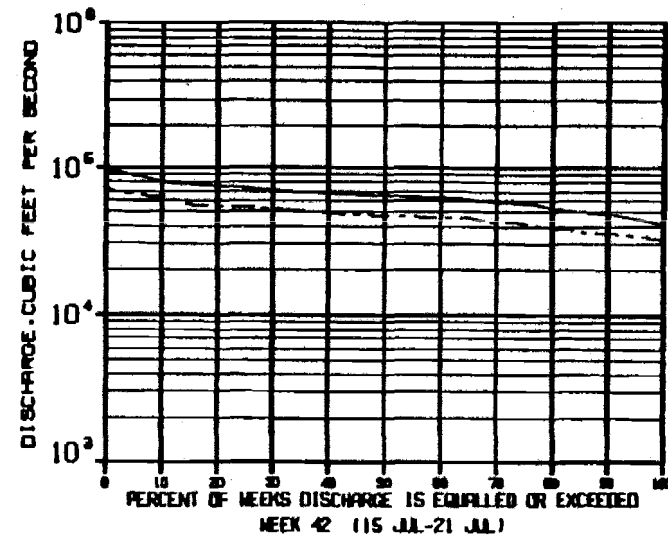
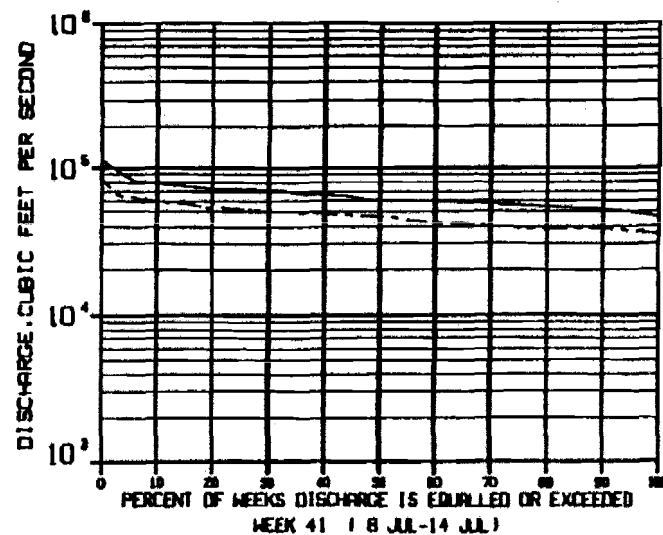
NOTE: CURVES BASED ON SYNTHESIZED WEEKLY
FLOW, OCT 1949 THROUGH APR 1981
AND OBSERVED WEEKLY FLOW
MAY 1981 THROUGH SEP 1983
HARZA-EBARO SUSTINA JOINT VENTURE JUNE 84

LEGEND

———— NATURAL
----- WITH-PROJECT;
CASE C MINIMUM TARGET FLOWS
FOR LOAD CONDITIONS 2020
(NATANA & DEVILS CANYON 1)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUSTINA RIVER AT SUNSHINE



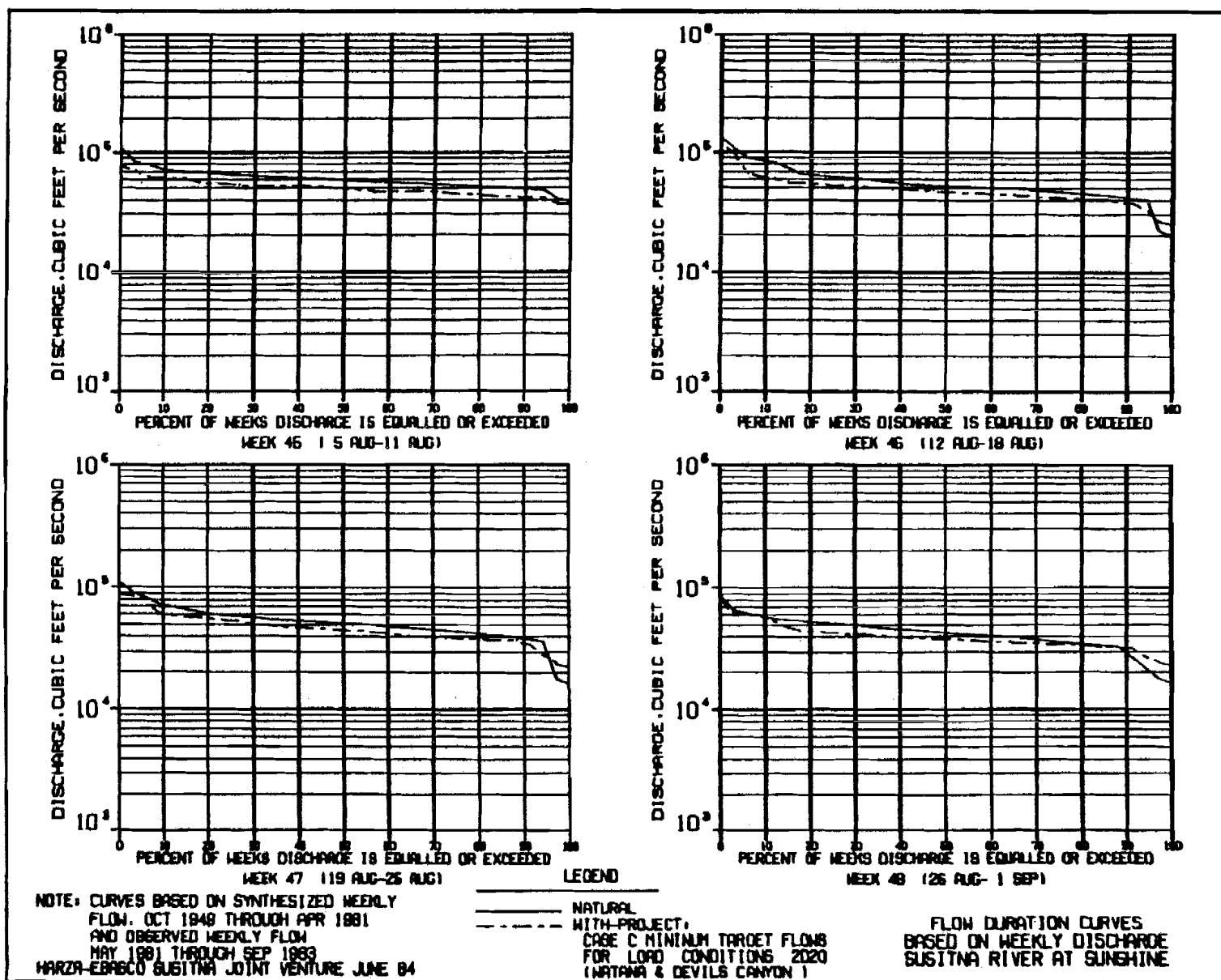


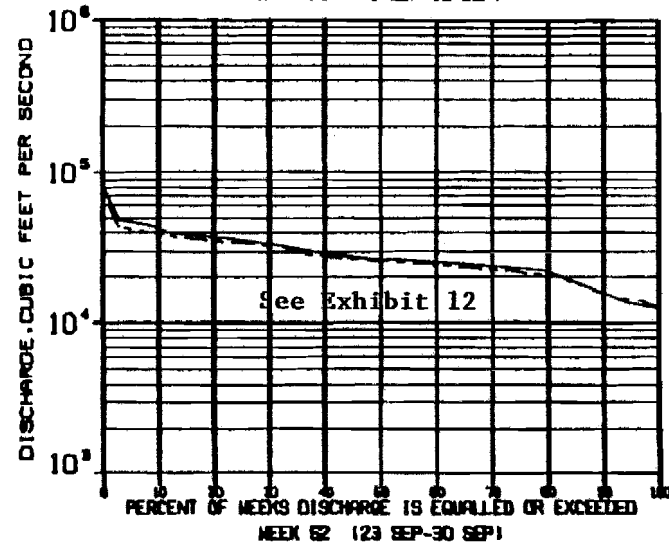
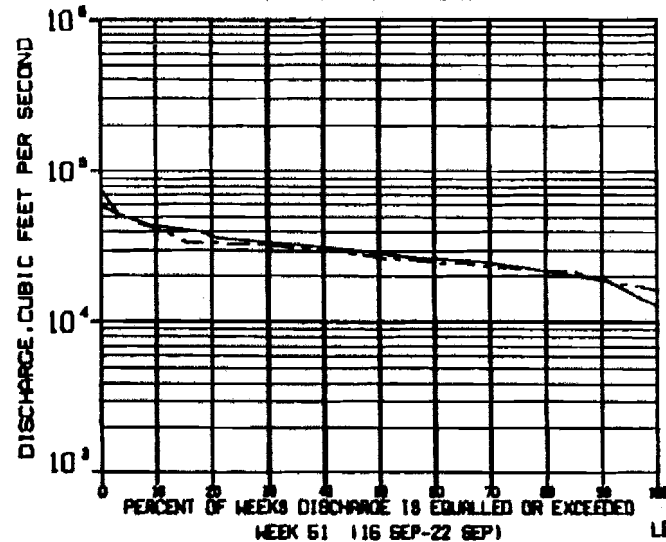
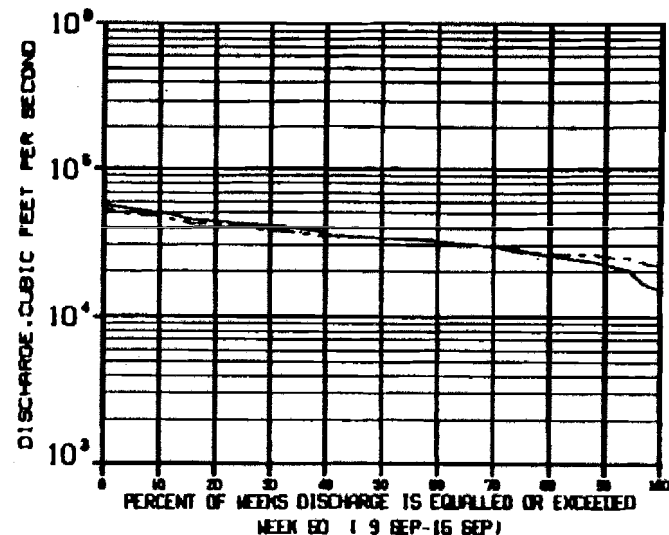
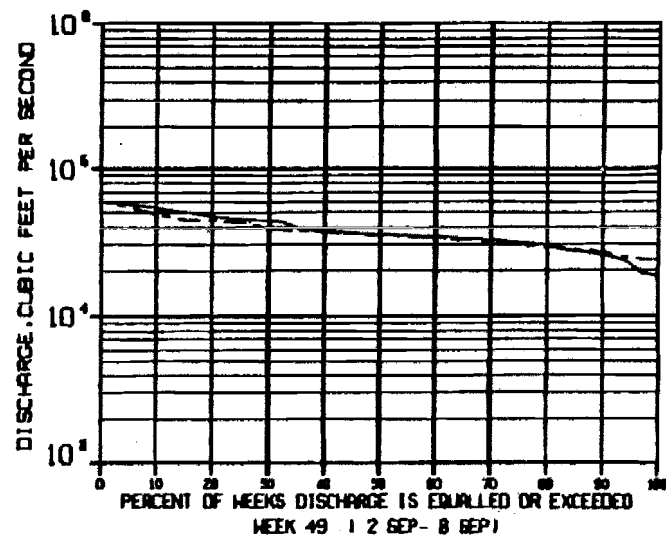
NOTE: CURVES BASED ON SYNTHESIZED WEEKLY
FLOW, OCT 1949 THROUGH APR 1981
AND OBSERVED WEEKLY FLOW
MAY 1981 THROUGH SEP 1983
MARZA-EBASCO SUSITNA JOINT VENTURE JUNE 84

LEGEND

— NATURAL
- - - WITH-PROJECT;
CASE C MINIMUM TARGET FLOW
FOR LOAD CONDITIONS 2020
(NATANA & DEVILS CANYON)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUSITNA RIVER AT SUNSHINE





NOTE: CURVES BASED ON SYNTHESIZED WEEKLY
FLOW, OCT 1949 THROUGH APR 1981
AND OBSERVED WEEKLY FLOW
MAY 1981 THROUGH SEP 1983
HARZA-ERBACO SUSTINA JOINT VENTURE JUNE 84

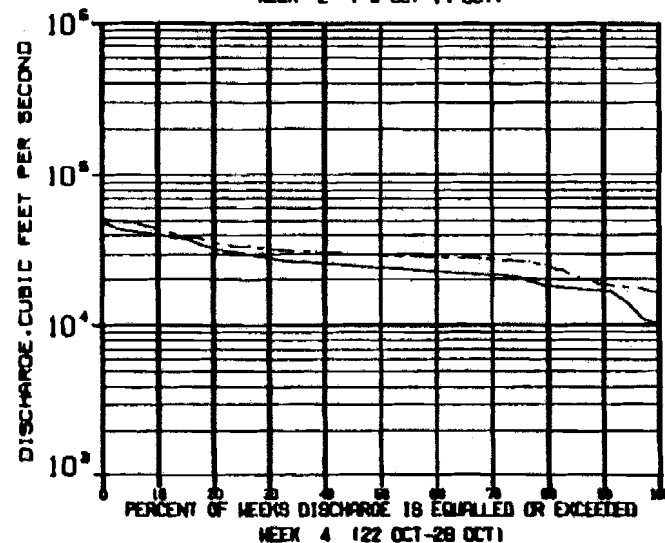
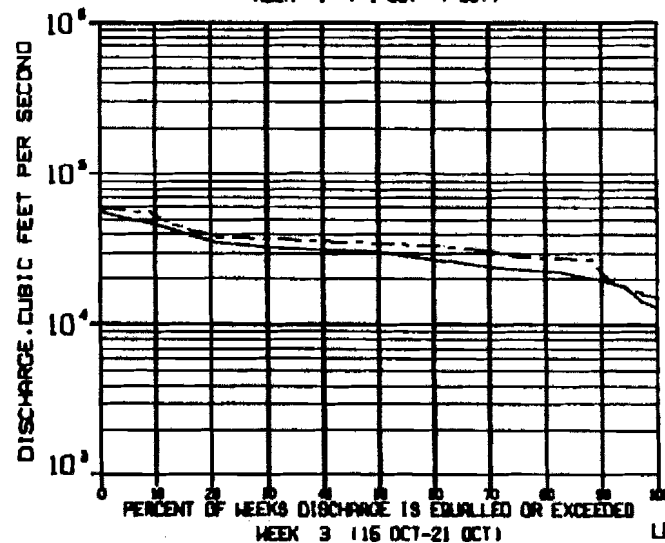
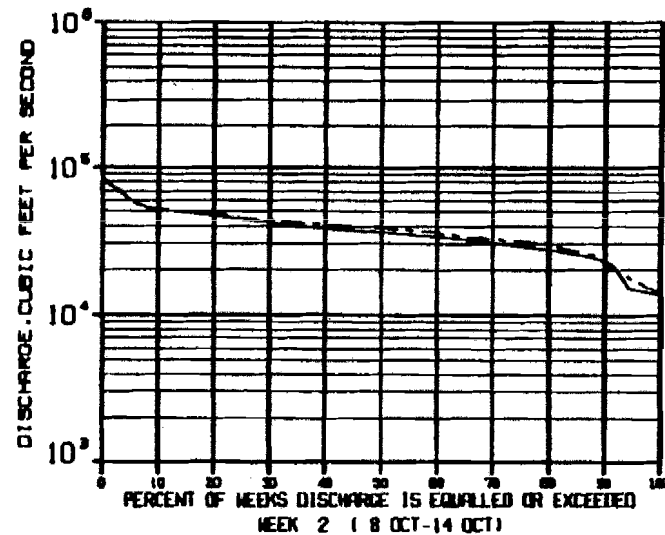
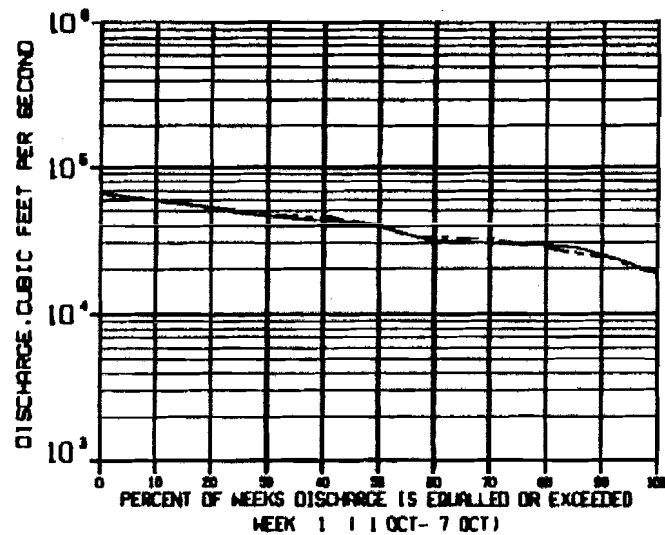
LEGEND

—— NATURAL
----- WITH-PROJECT;
CASE C MINIMUM TARGET FLOWS
FOR LOAD CONDITIONS 2020
(MATANA & DEVILS CANYON)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUSTINA RIVER AT SUNSHINE

EXHIBIT 8

**Flow Duration Curves Based on
Weekly Discharge at Susitna Station for
Natural Conditions and With-project for
2020 Load Conditions**

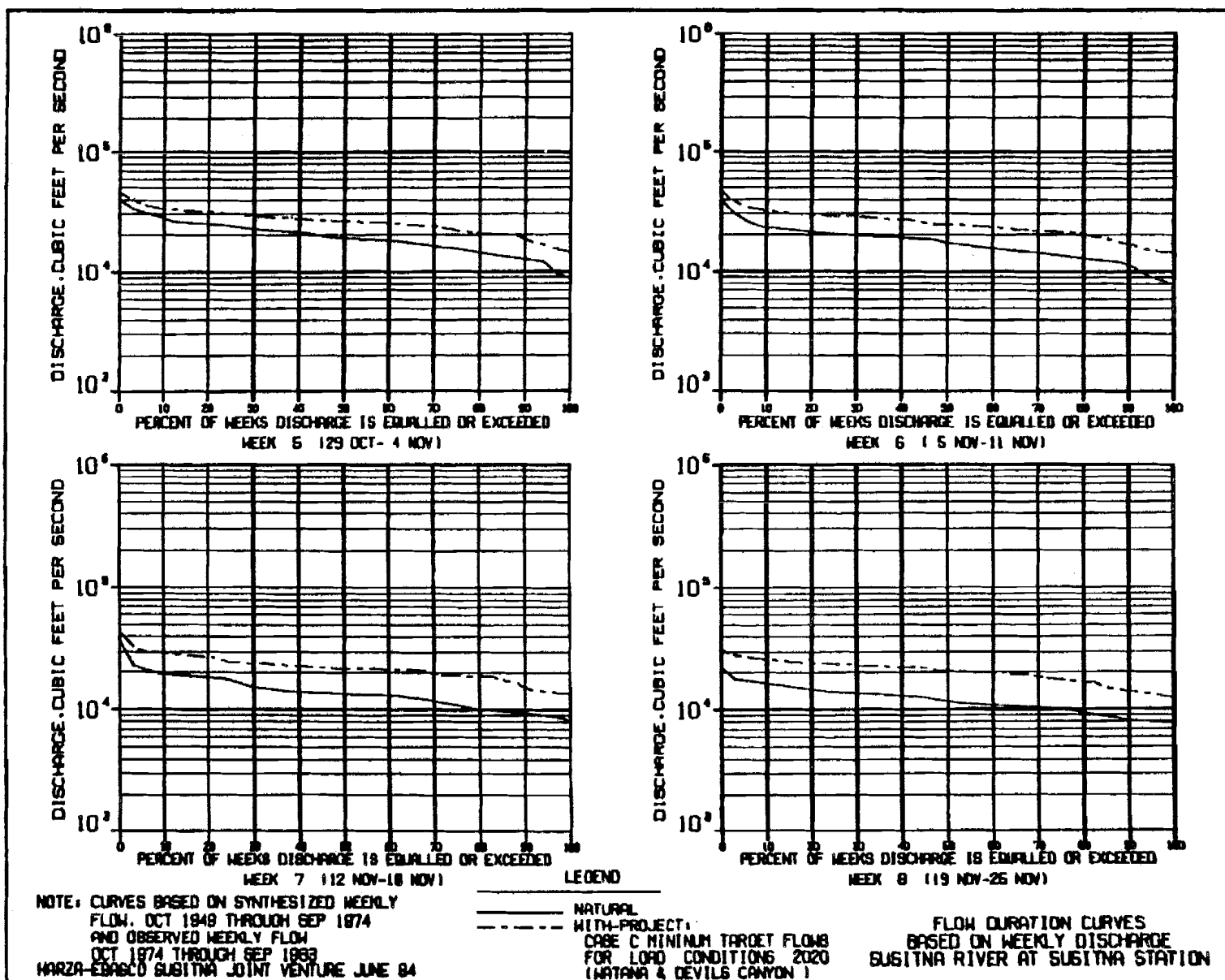


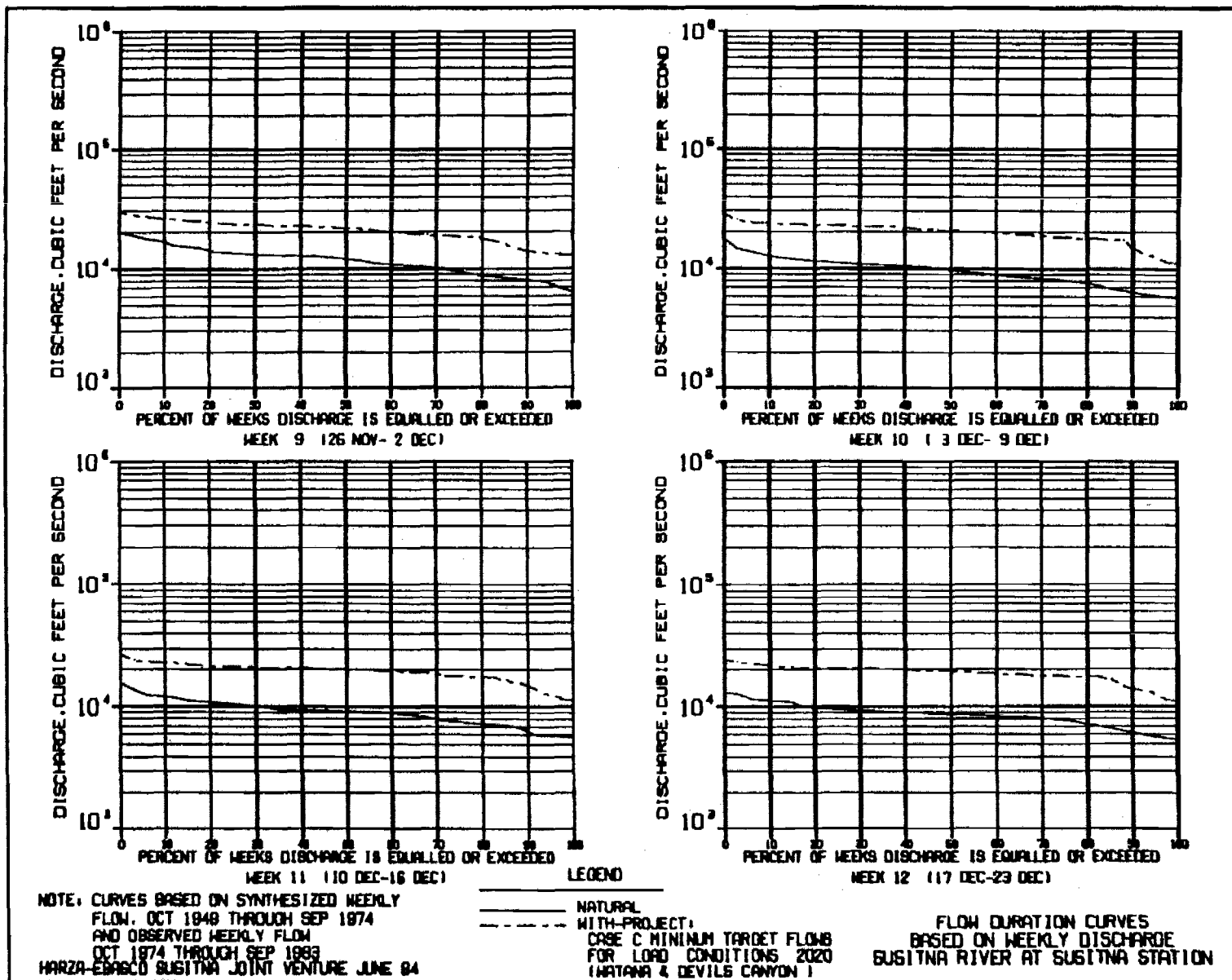
NOTE: CURVES BASED ON SYNTHESIZED WEEKLY
FLOW, OCT 1949 THROUGH SEP 1974
AND OBSERVED WEEKLY FLOW
OCT 1974 THROUGH SEP 1983
MARZA-EBASCO SUSITNA JOINT VENTURE JUNE 84

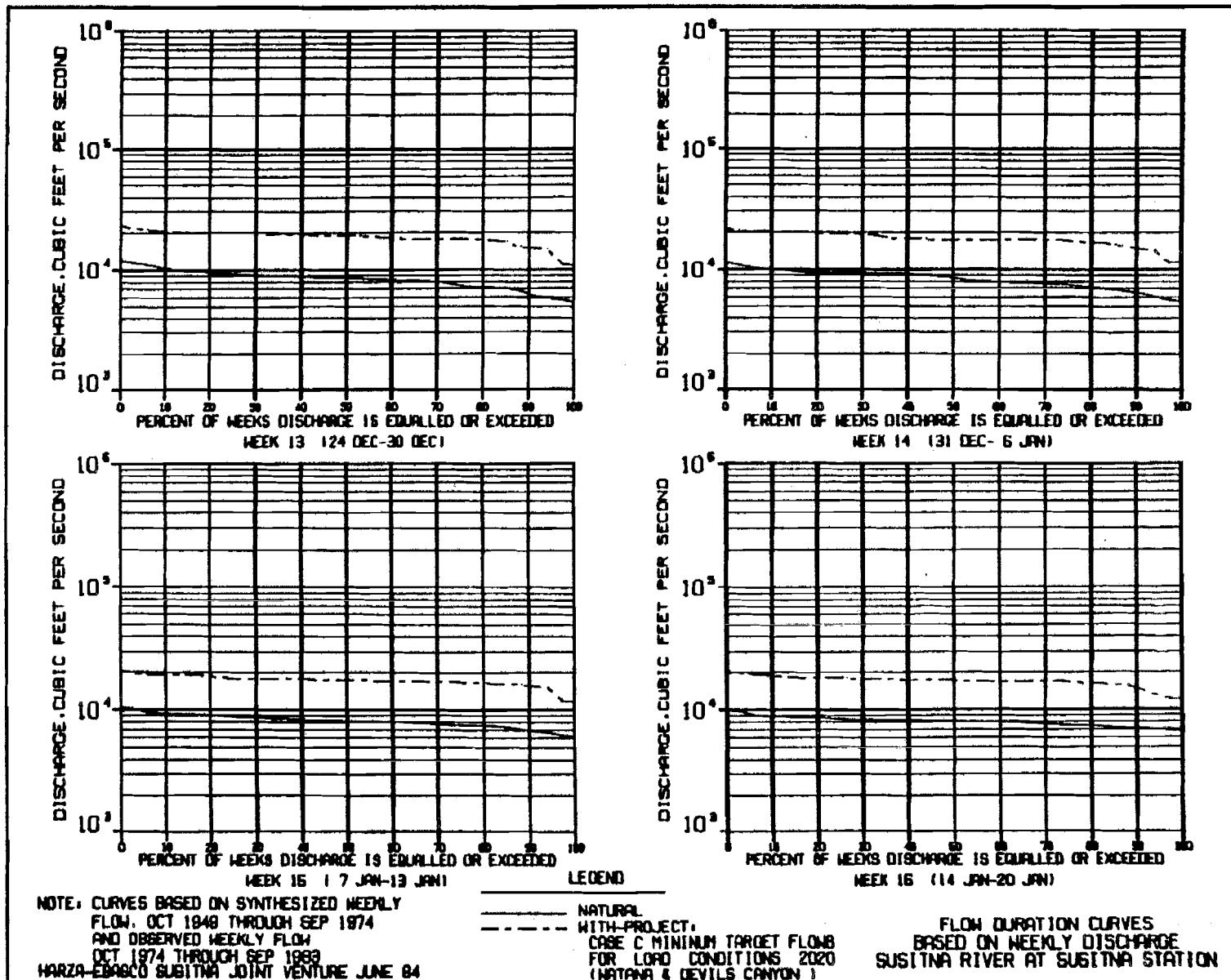
LEGEND

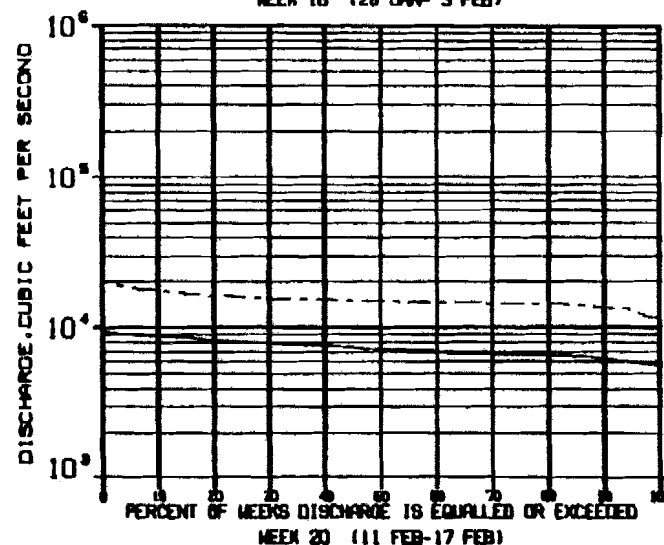
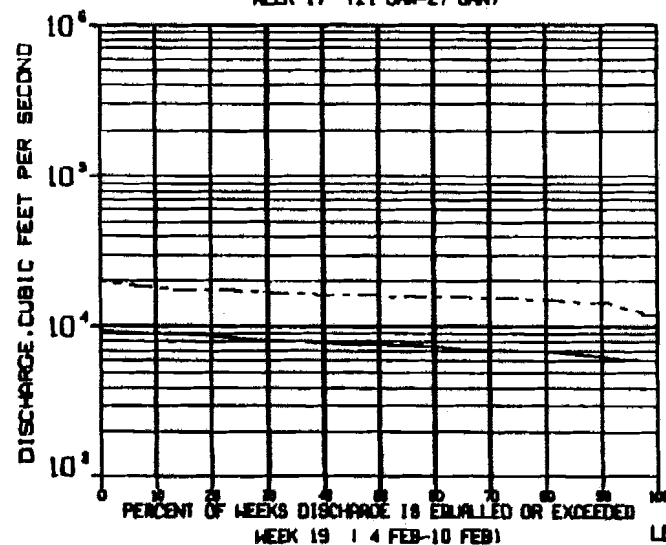
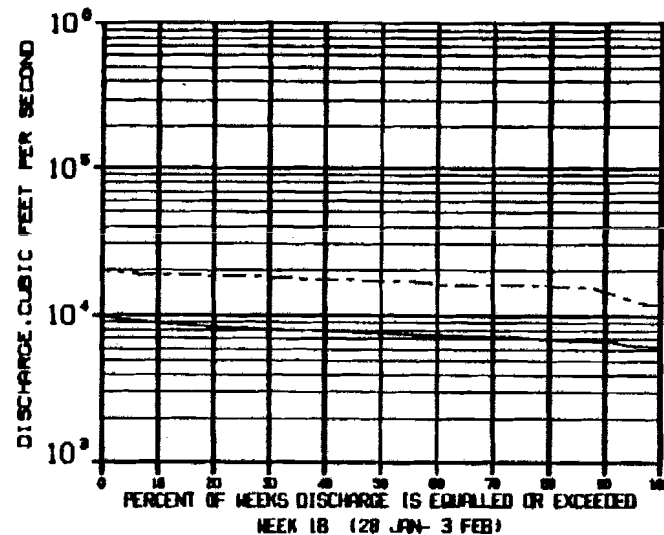
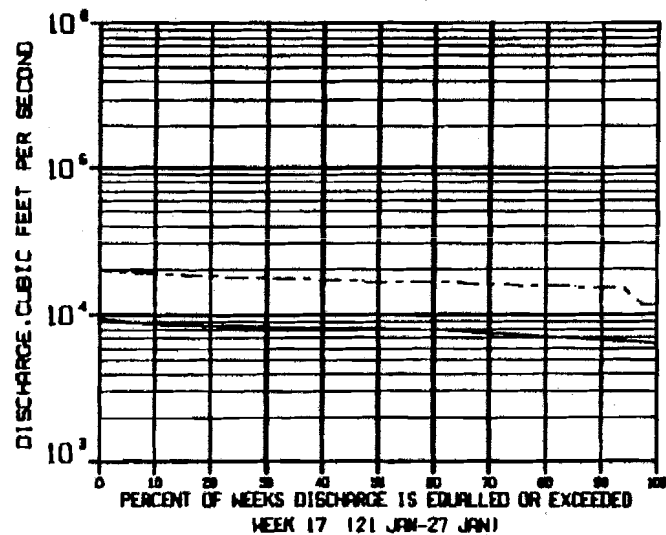
———— NATURAL
----- WITH-PROJECT
CASE C MINIMUM TARGET FLOW
FOR LOAD CONDITIONS 2020
(NATANA & DEVILS CANYON)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUSITNA RIVER AT SUSITNA STATION





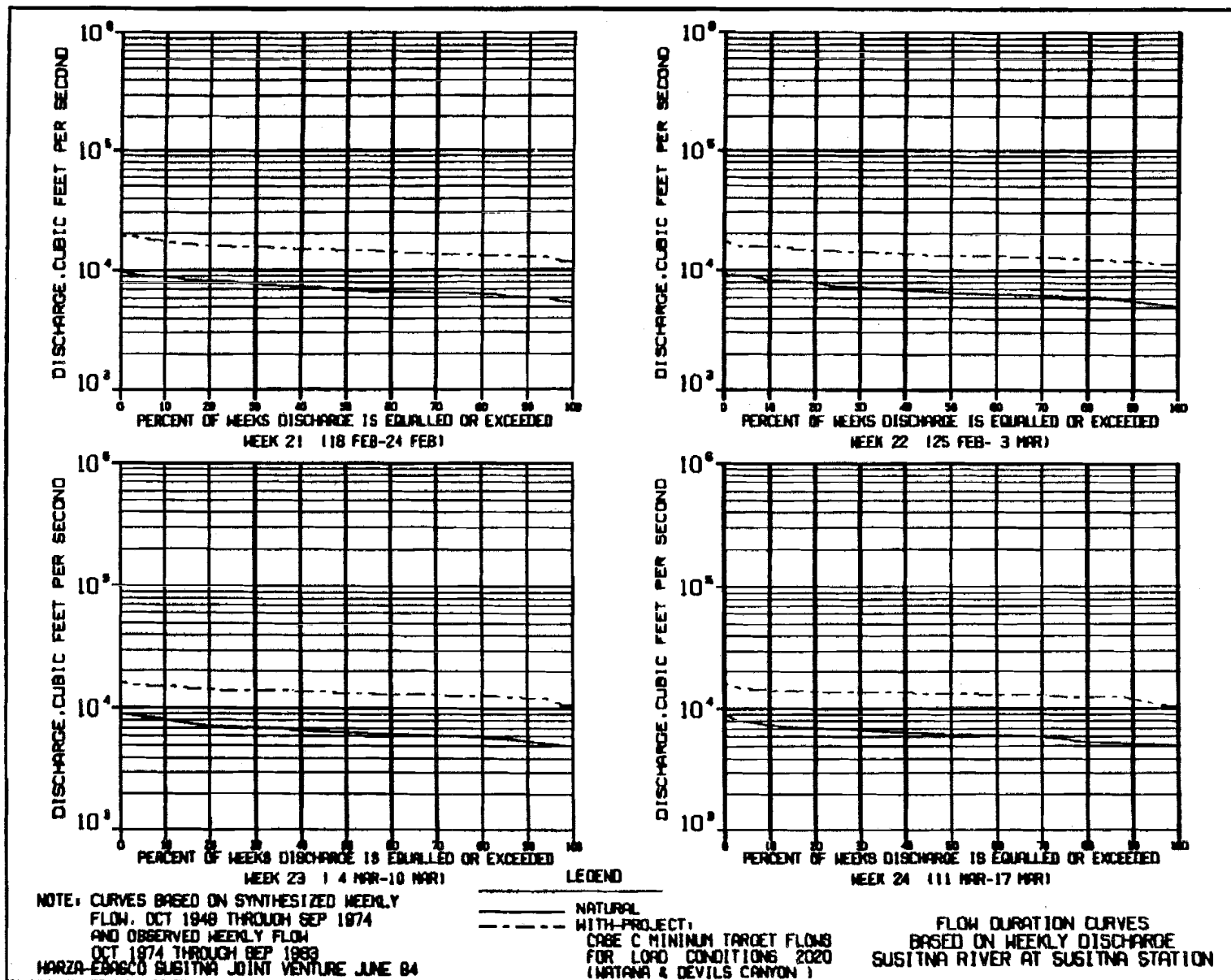


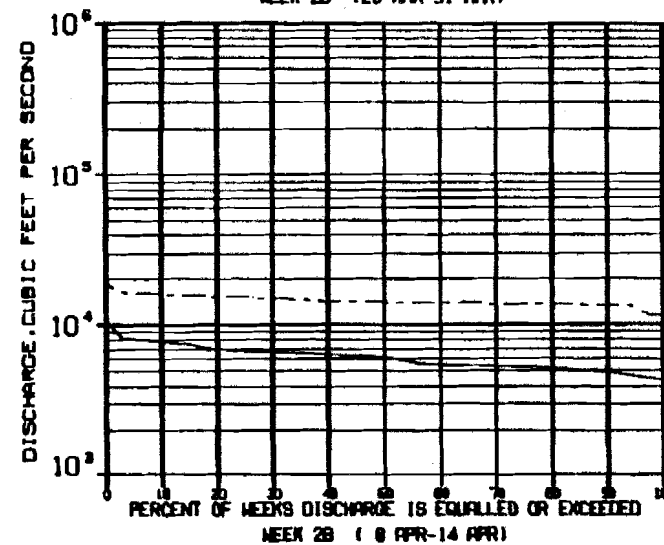
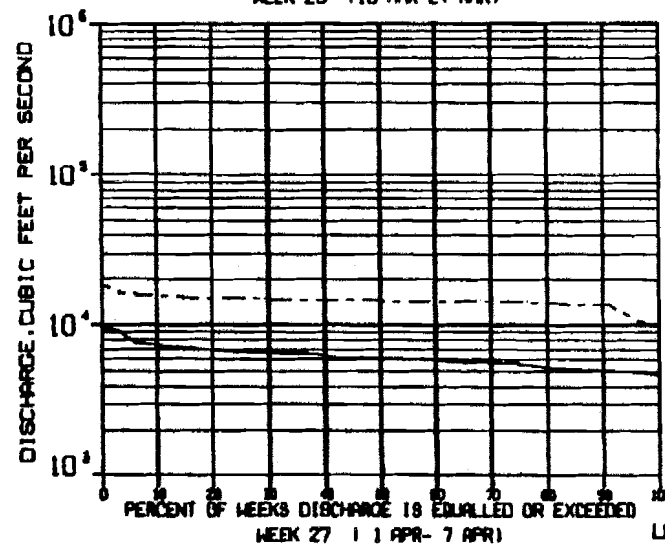
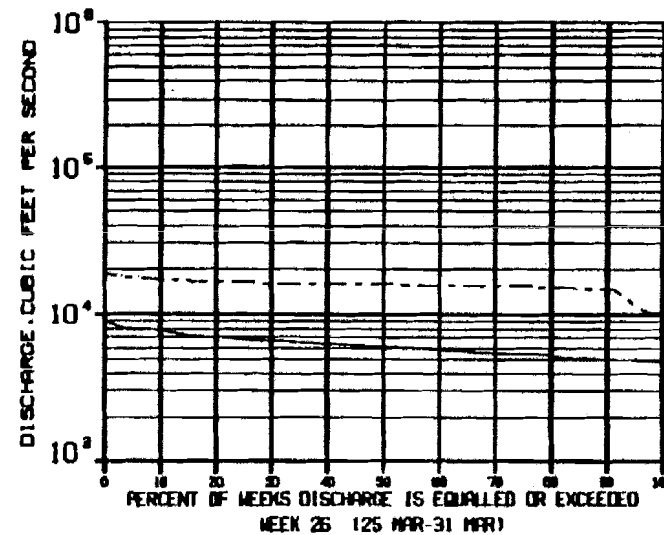
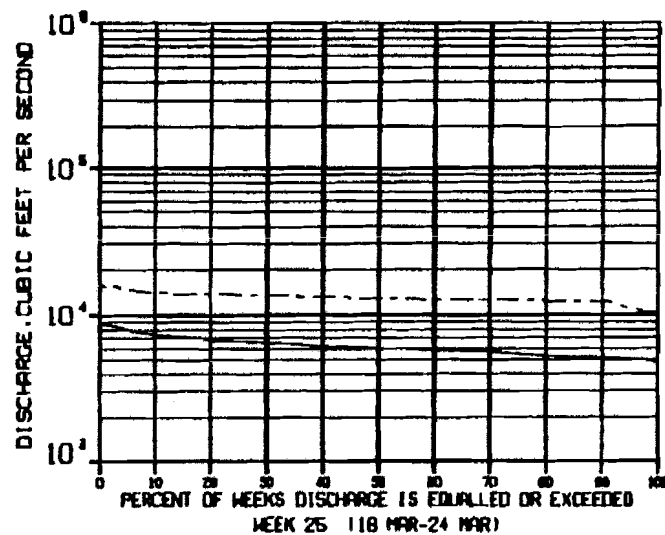


NOTE: CURVES BASED ON SYNTHESIZED WEEKLY
FLOW, OCT 1948 THROUGH SEP 1974
AND OBSERVED WEEKLY FLOW
OCT 1974 THROUGH SEP 1983
HARZA-EDBSCO SUSITNA JOINT VENTURE JUNE 84

LEGEND
—— NATURAL
----- WITH PROJECT,
CASE C MINIMUM TARGET FLOW
FOR LOAD CONDITIONS 2020
(NATANA & DEVILS CANYON)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUSITNA RIVER AT SUSITNA STATION



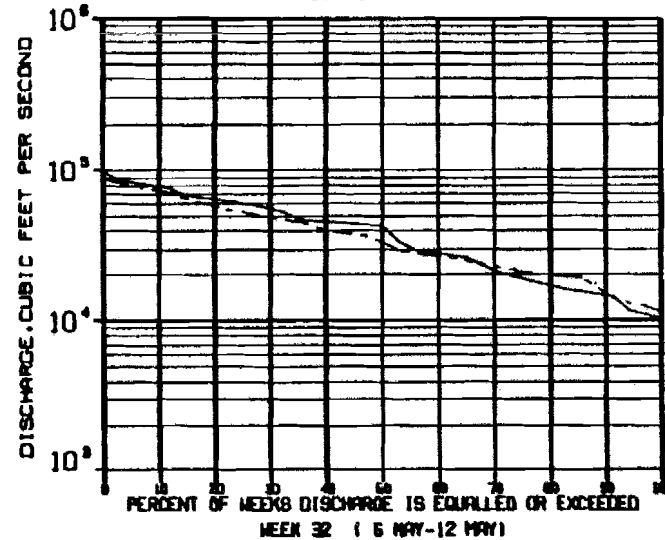
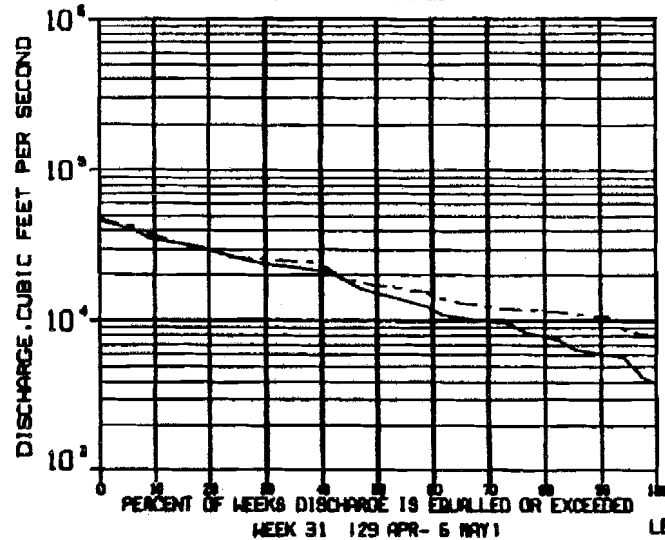
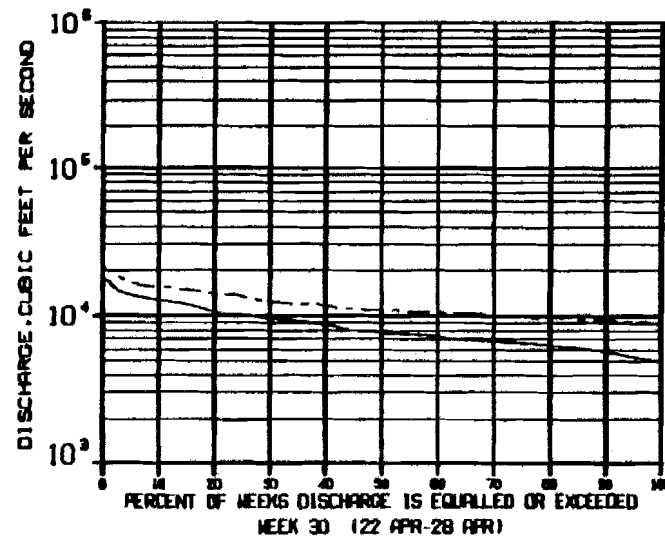
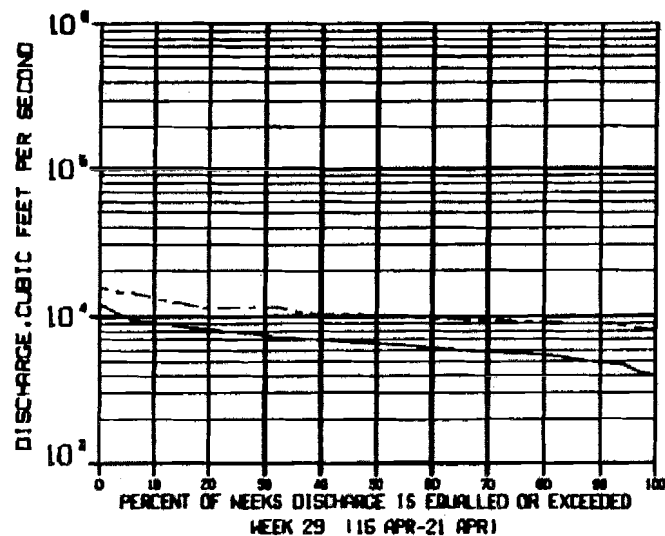


NOTE: CURVES BASED ON SYNTHESIZED WEEKLY
FLOW, OCT 1949 THROUGH SEP 1974
AND OBSERVED WEEKLY FLOW
OCT 1974 THROUGH SEP 1993
HARZA-EBASCO SUSITNA JOINT VENTURE JUNE 84

LEGEND

—— NATURAL
- - - - WITH PROJECT:
CASE C MINIMUM TARGET FLOW
FOR LOAD CONDITIONS 2020
(WATANA & DEVILS CANYON)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUSITNA RIVER AT SUSITNA STATION

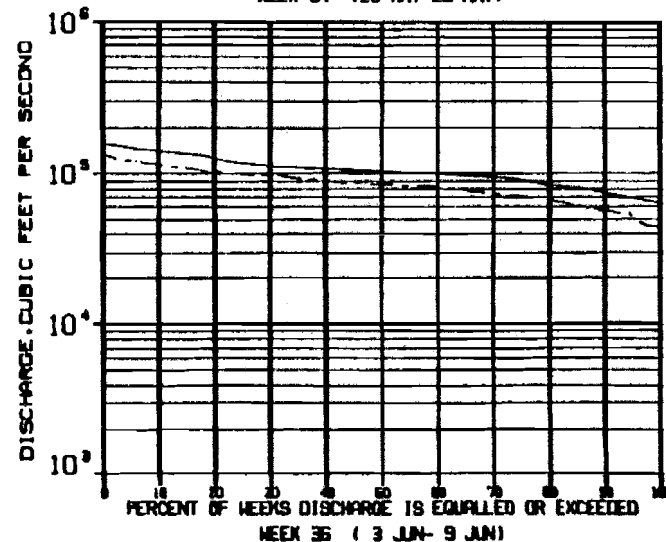
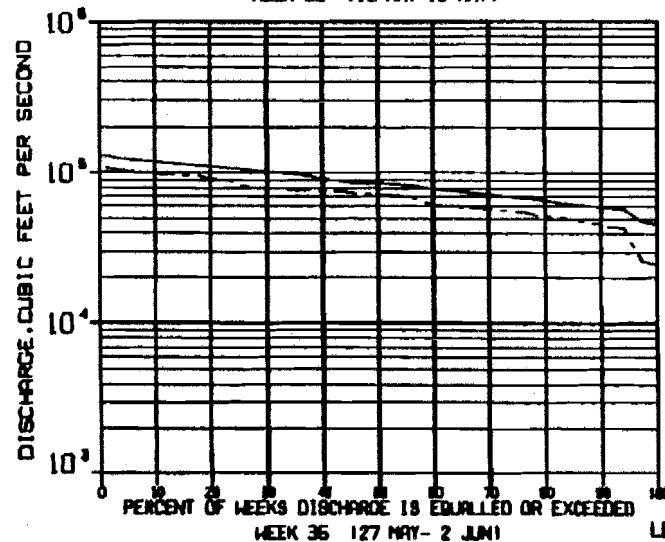
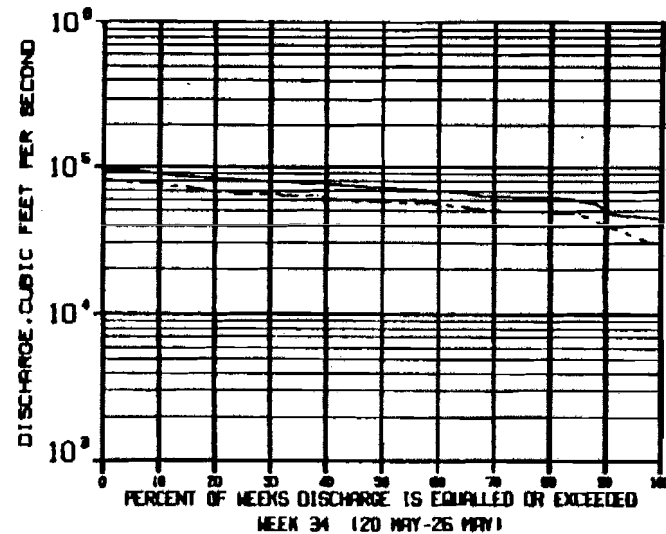
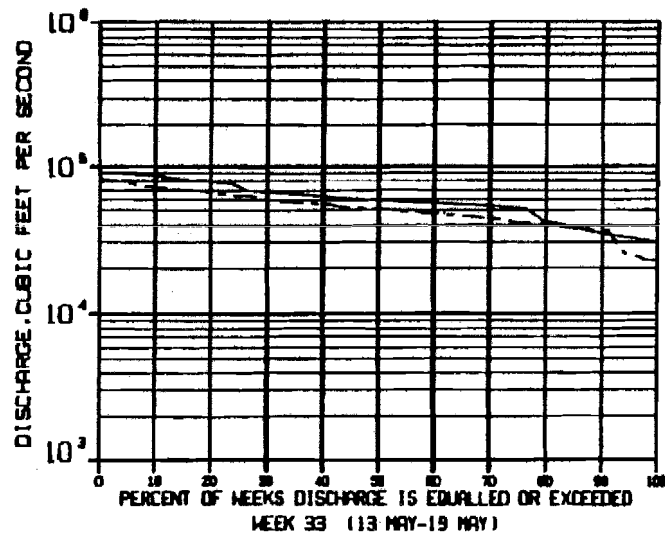


NOTE: CURVES BASED ON SYNTHESIZED WEEKLY
FLOW, OCT 1849 THROUGH SEP 1974
AND OBSERVED WEEKLY FLOW
OCT 1974 THROUGH SEP 1983
HARZA-EBASCO SUSITNA JOINT VENTURE JUNE 84

LEGEND

— NATURAL
- - - WITH-PROJECT
CASE C MINIMUM TARGET FLOWS
FOR LOAD CONDITIONS 2020
(NATANA & DEVILS CANYON)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUSITNA RIVER AT SUSITNA STATION

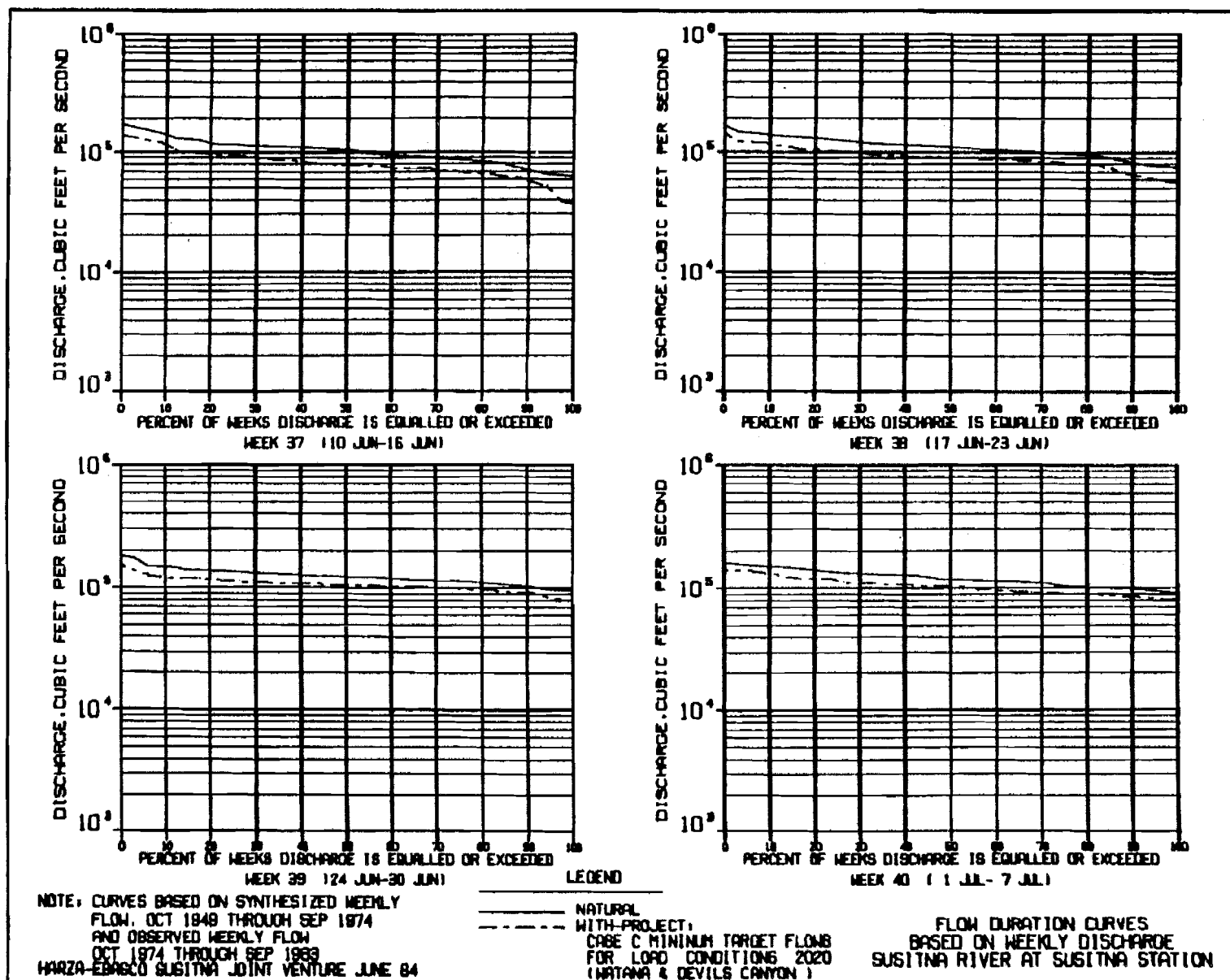


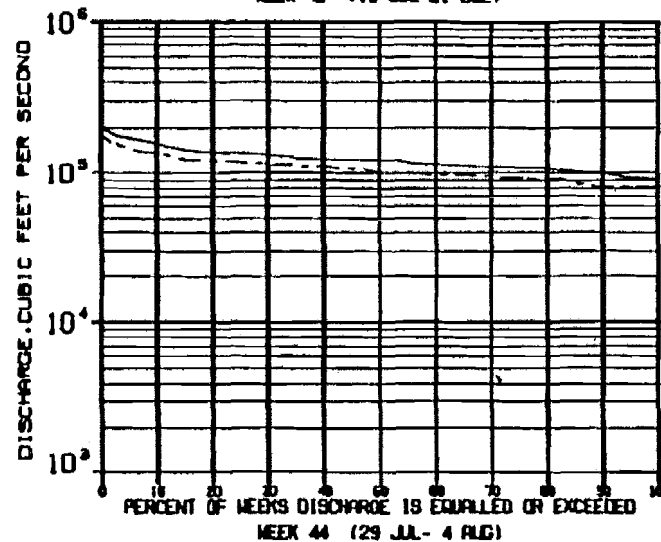
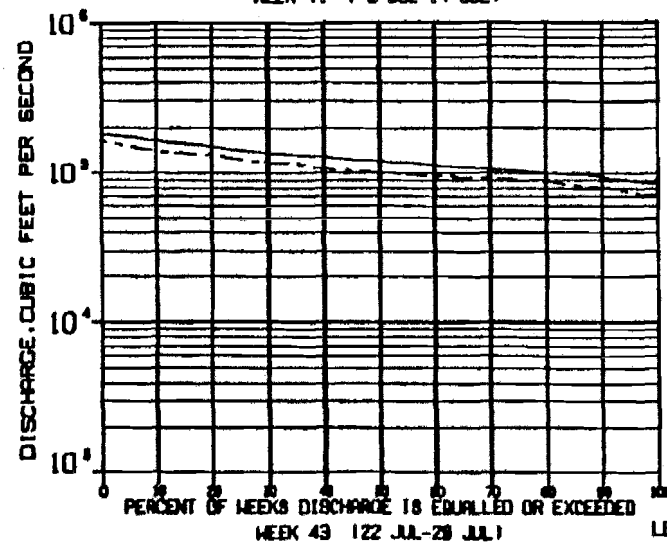
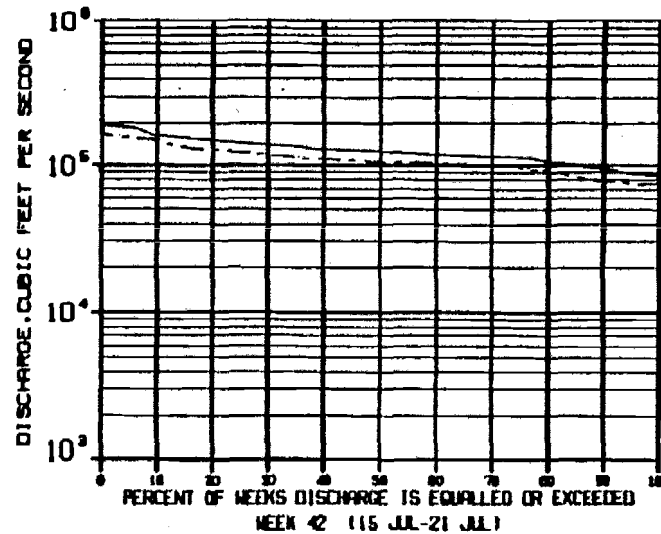
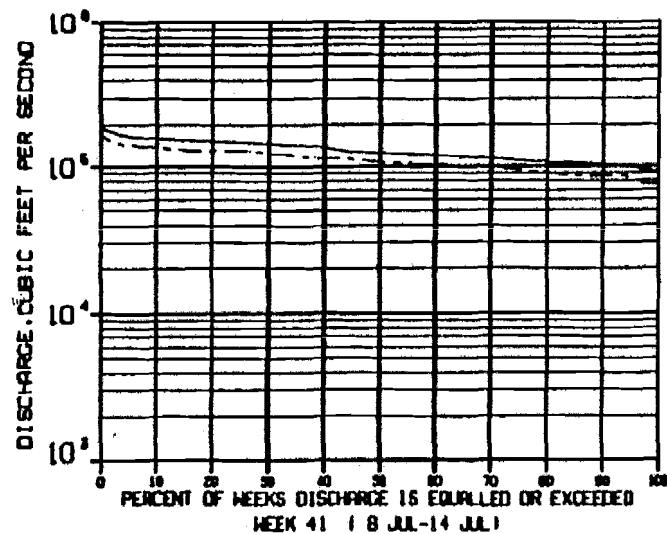
NOTE: CURVES BASED ON SYNTHESIZED WEEKLY
FLOW, OCT 1949 THROUGH SEP 1974
AND OBSERVED WEEKLY FLOW
OCT 1974 THROUGH SEP 1983
MARZA-EDRACO SUSITNA JOINT VENTURE JUNE 84

LEGEND

—— NATURAL
----- WITH PROJECT,
CASE C MINIMUM TARGET FLOWS
FOR LOAD CONDITIONS 2020
(NATANA & DEVILS CANYON)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUSITNA RIVER AT SUSITNA STATION



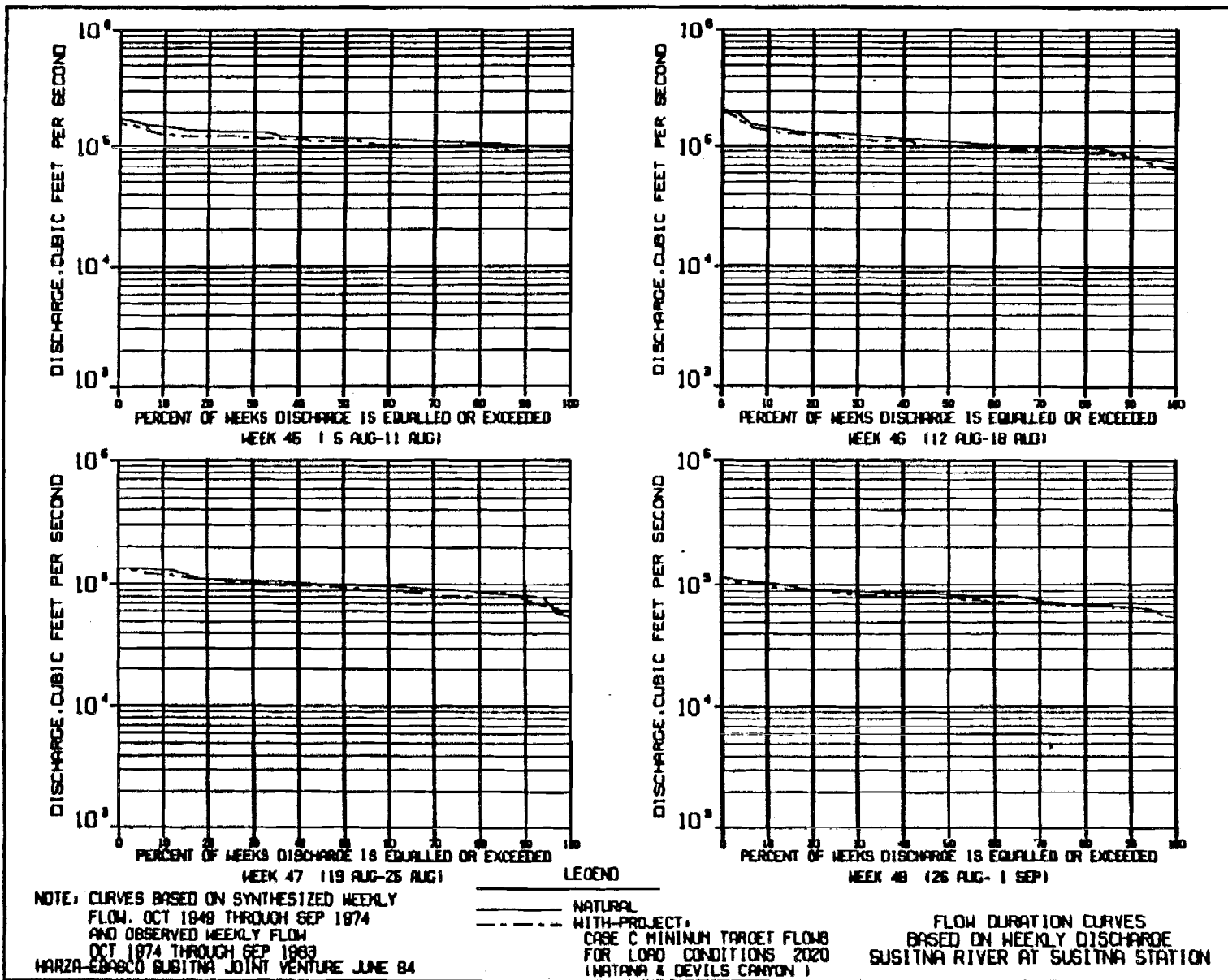


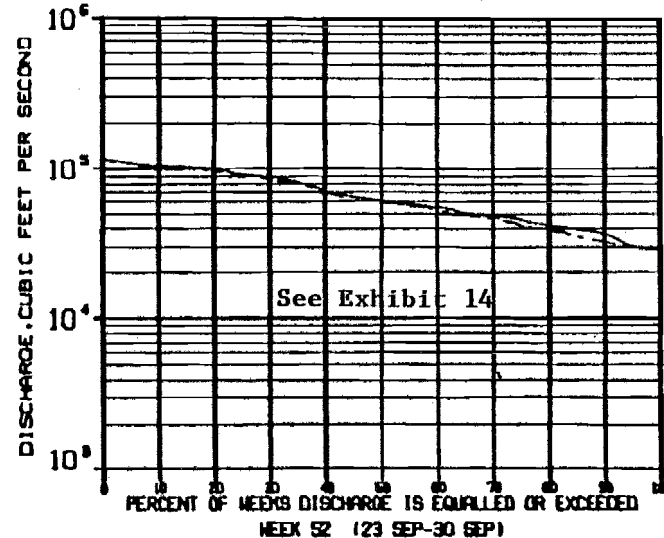
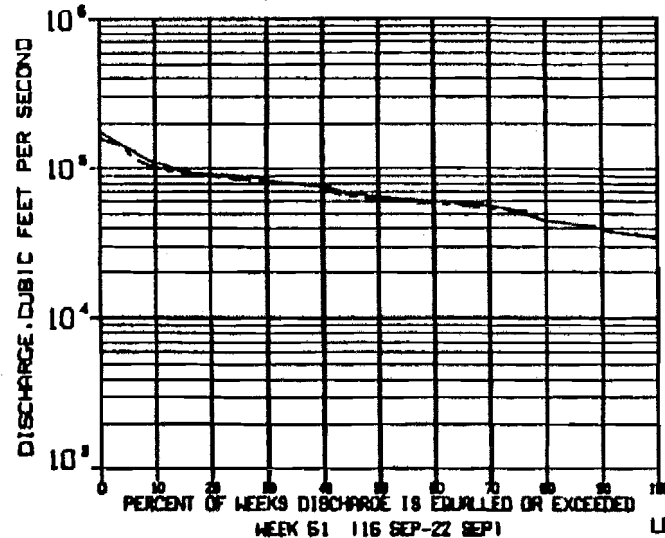
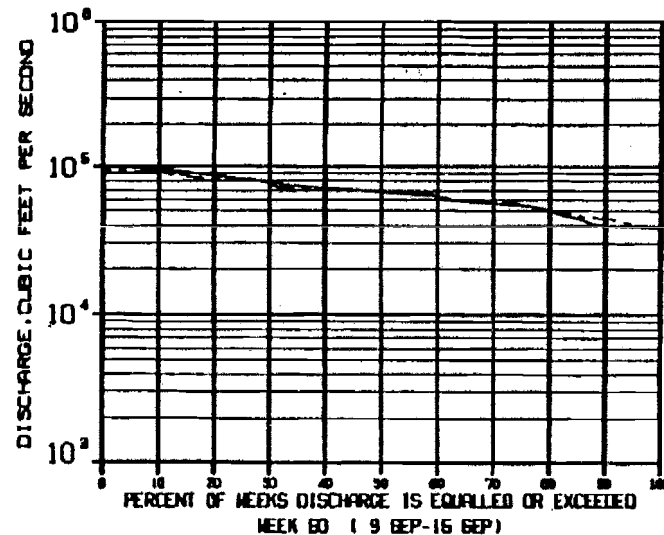
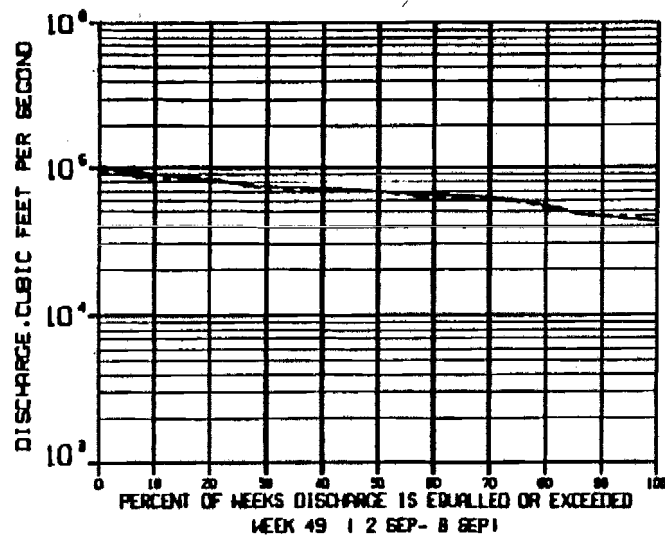
NOTE: CURVES BASED ON SYNTHESIZED WEEKLY
FLOW, OCT 1949 THROUGH SEP 1974
AND OBSERVED WEEKLY FLOW
OCT 1974 THROUGH SEP 1989
HARZA-EDRSCO SUSITNA JOINT VENTURE JUNE 84

LEGEND

—— NATURAL
- - - - WITH-PROJECT,
CASE C MINIMUM TARGET FLOW
FOR LOAD CONDITIONS 2020
(NATANA & DEVILS CANYON)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUSITNA RIVER AT SUSITNA STATION





NOTE: CURVES BASED ON SYNTHESIZED WEEKLY
FLOW, OCT 1949 THROUGH SEP 1974
AND OBSERVED WEEKLY FLOW
OCT 1974 THROUGH SEP 1983
WARZA-EBASCO SUSITNA JOINT VENTURE JUNE 84

LEGEND
—— NATURAL
---- WITH-PROJECT
CASE C MINIMUM TARGET FLOWS
FOR LOAD CONDITIONS 2020
(MATANA & DEVILS CANYON)

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
SUSITNA RIVER AT SUSITNA STATION

EXHIBIT 9
FLOW DURATION CURVES FOR WEEK 52
(SEPT. 23-30) SUSITNA RIVER AT GOLD CREEK
NATURAL CONDITIONS AND WITH-PROJECT
FOR 1996 LOAD CONDITIONS

— NATURAL CONDITIONS
- - - WITH - PROJECT CONDITIONS

BASED ON TOTAL 8-DAY FLOW
DIVIDED BY 7

BASED ON MEAN FLOW
FOR 8 DAYS

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
WEEK 52 (SEP. 23-30)
SUSITNA RIVER AT GOLD CREEK
FOR LOAD CONDITIONS 1996
(WATANA ONLY)

PERCENT OF WEEKS DISCHARGE IS EQUALLED OR EXCEEDED

DISCHARGE, CFS

46 5492

SEMI-LOGARITHMIC • 3 CYCLES X 70 DIVISIONS
K₁ 0.0001 0.001 0.01 0.1 1 10 100 1000 10000 100000 1000000

10²

20

40

60

80

100

EXHIBIT 10
FLOW DURATION CURVES FOR WEEK 52
(SEPT. 23-30) SUSITNA RIVER AT GOLD CREEK
NATURAL CONDITIONS AND WITH-PROJECT
FOR 2020 LOAD CONDITIONS

— NATURAL CONDITIONS
- - - WITH - PROJECT CONDITIONS

DISCHARGE, CFS

BASED ON MEAN FLOW
FOR 8 DAYS

BASED ON TOTAL 8-DAY FLOW
DIVIDED BY 7

FLOW DURATION CURVES
BASED ON WEEKLY DISCHARGE
WEEK 52 (SEP. 23-30)
SUSITNA RIVER AT GOLD CREEK
FOR LOAD CONDITIONS 2020
(WATANA ONLY)

PERCENT OF WEEKS DISCHARGE IS EQUALLED OR EXCEEDED

46 5492

SEMI-LOGARITHMIC • 3 CYCLES X 70 DIVISIONS
K&E ENGINEERING & ESSER, CO. MADE IN U.S.A.

EXHIBIT 11
FLOW DURATION CURVES FOR WEEK 52
(SEPT. 23-30) SUSITNA RIVER AT SUNSHINE
NATURAL CONDITIONS AND WITH-PROJECT
FOR 1996 LOAD CONDITIONS

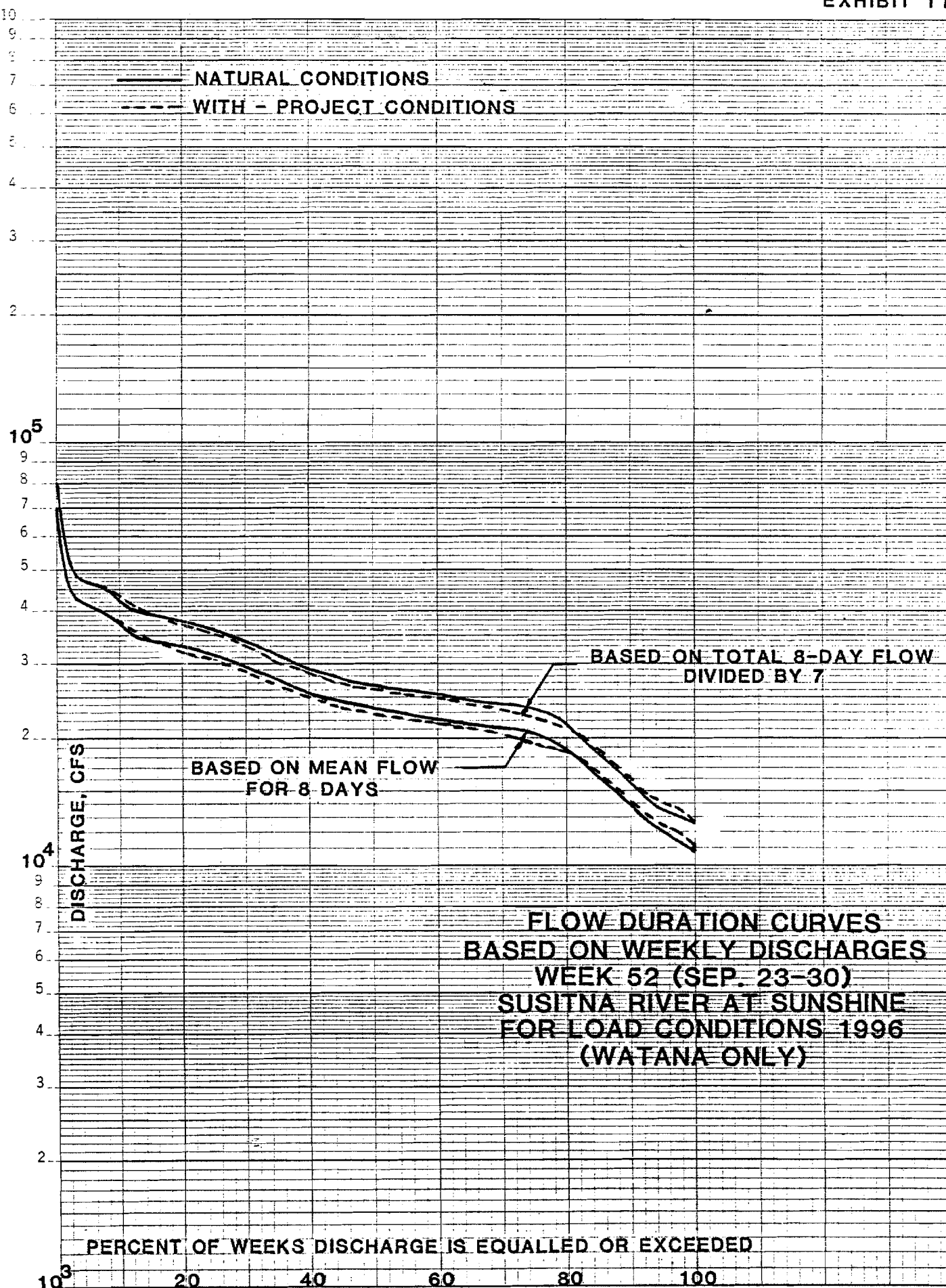


EXHIBIT 12
FLOW DURATION CURVES BASED FOR WEEK
52 (SEPT.23-30) SUSITNA RIVER AT SUNSHINE
NATURAL CONDITIONS AND WITH-PROJECT
FOR 2020 LOAD CONDITIONS

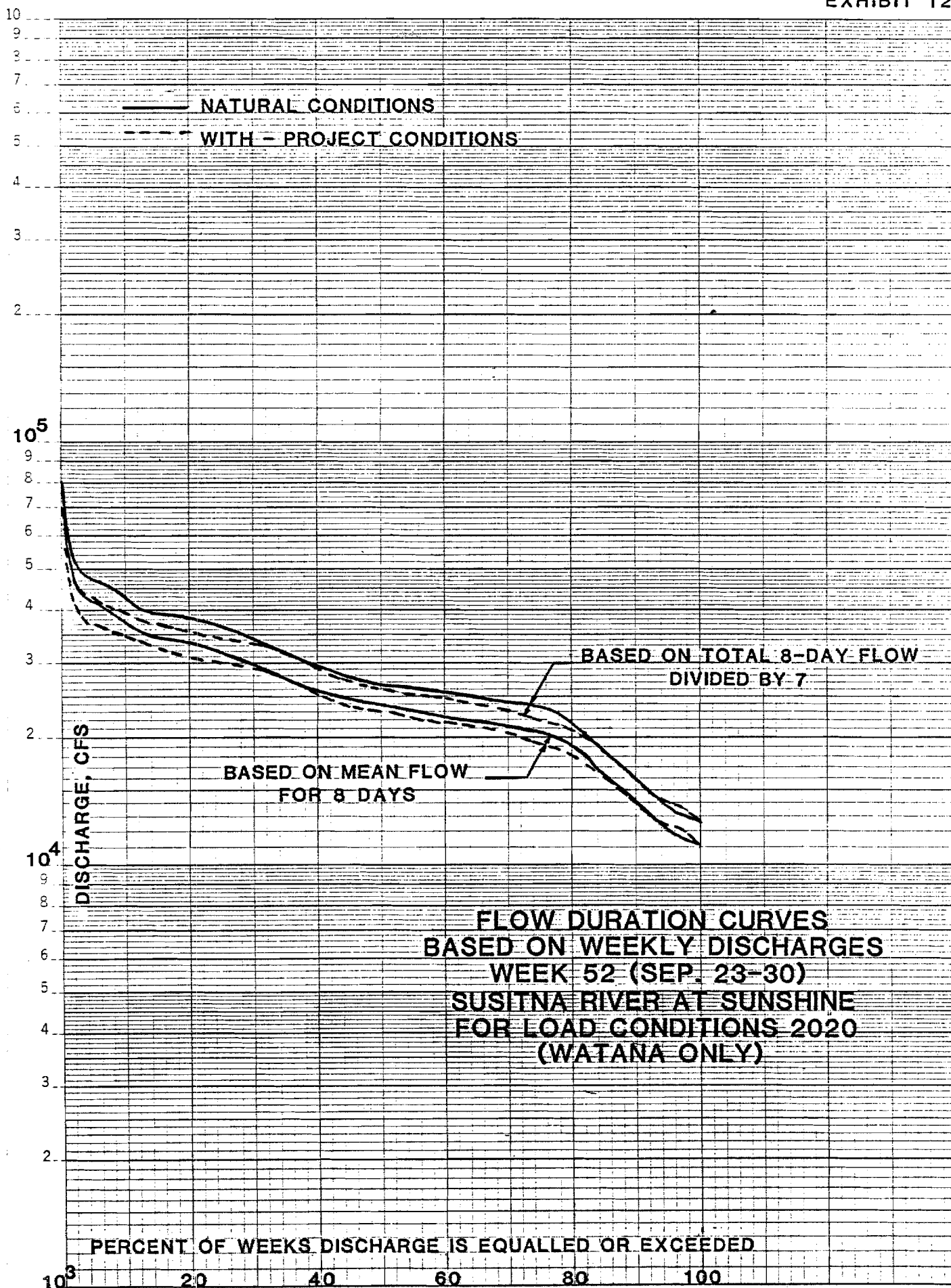


EXHIBIT 13
FLOW DURATION CURVES FOR WEEK 52
(SEPT. 23-30) SUSITNA RIVER AT SUSITNA
STATION NATURAL CONDITIONS AND
WITH-PROJECT FOR 1996 LOAD CONDITIONS

46 5492

KE SEMI-LOGARITHMIC • 3 CYCLES X 10 DIVISIONS
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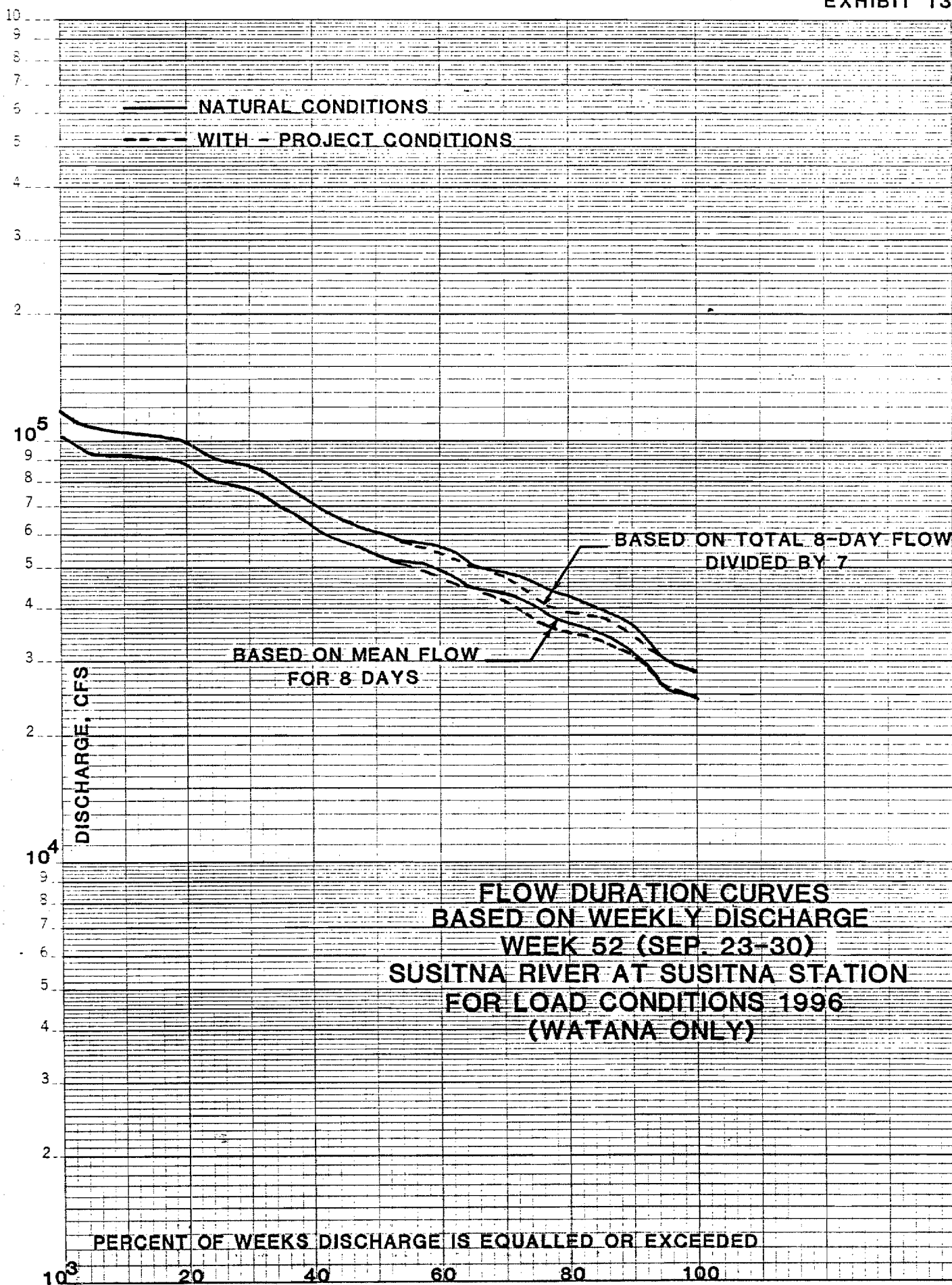


EXHIBIT 14
FLOW DURATION CURVES FOR WEEK 52
(SEPT. 23-30) SUSITNA RIVER AT SUSITNA
STATION NATURAL CONDITIONS AND
WITH-PROJECT FOR 2020 LOAD CONDITIONS

46 5492

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