SHP, Suppl. Info., Vol. IIIC of III-

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15-12-317

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DRAFT

TO: Mr. Vernon K. Hagen
Office of Chief of Engineers
Corps of Engineers
Forrestal Bldg., Rm. 5-F-039
Washington, D.C. 20314

FROM: John T. Riedel
Chief, Hydrometeorological Branch

SUBJ: Tentative Estimates of Probable Maximum Prec
Criteria for Four Susitna River Drainages

Introduction

The Office of Chief of Engineers, Corps of En
snowmelt criteria for the subject drainages i
Hydrometeorological Branch, dated December 12,
requested the study be completed by February 1
realistic date for completing a study in which we have confidence is June 1, 1975. Because of the need to soon begin hydrologic studies based on meteorological criteria, the Branch has concentrated on the problem and has determined the general level of criteria. A range of PMP values are given in this memorandum within which we believe values from a more comprehensive study will fall. The sequences of snowmelt winds, temperatures, and dew points should be checked with additional studies. In addition, if we knew in detail how snowmelt will be computed, we could give emphasis to the more important elements.

PMP estimates for four drainages

A range of estimates of PMP for 6, 24, and 72 hours for four drainages outlined on the map accompanying the December 12, 1974 memorandum are listed in table 1. These are numbered from 1 to 4 (smallest to largest).

15-12-315

The estimates are for the months of August and September - the season of greatest rainfall potential. For the snowmelt season, multiply the estimates by 70 percent.

The estimates take into account numerous considerations including several methods of modifying PMP estimates made previously for other Alaska drainages, and PMP estimates from the Western United States for areas with similar terrain.

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Temperatures and Dew Points for Snowmelt

A. During PMP Storm

1. Dew point for PMP centered on June 15 = 56°F (assume maximum 1-day PMP in middle of 3-day storm).

2. For PMP placement prior to June 15 subtract 0.8°F for each 3-day period prior to June 15 (e.g. the PMP dew point for June 12 will be 55.2°F). This -0.8°F per 3-days may be applied to obtain the maximum 1-day dew point during the PMP back to as early as May 15.

3. For first day of PMP storm, subtract 1°F from criteria of 2; for 3rd day of PMP storm subtract 2°F.

4. Add 2°F to each of the three daily dew points to get daily temperatures for the 3-day PMP period.

B. Temperatures and Dew Points Prior to 3-Day PMP Storm (High dew point case)

Adjustment to temperature and dew point on day of maximum PMP

Day prior to PMP	Temperature (°F)	Dew point (°F)
1st	-2	-2
2d	-1	-4
3rd	0	-4
4th	+1	-5

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C. Temperatures, Dew Points Prior to 3-day PMP
(High temperature case)

Adjustment of temperature and dew point on day of maximum PMP

Day prior to PMP	Temperature (°F)	Dew point (°F)
1st	+1	-12
2d	+2	- 9
3rd	+4	- 7
4th	+7	- 6

Elevation Adjustment

For the 3 days of PMP and for the high dew point case, apply a -3°F per 1000 ft to the temperatures and dew points. The basic criteria are considered applicable to 1000 mb or zero elevation.

For the high temperature criteria apply a -4°F per 1000 ft increase in elevation.

Half-day Values

If half-day values are desired for temperatures and dew points, the following rules should be followed:

1. For the high-temperature sequence, apply an 18°F spread for temperatures and a 6°F spread for dew point. For example, for a mean daily dew point of 50°F, the half-day values would be 47°F and 53°F.

2. For the high dew point case, apply a 12°F spread for temperature and a 4°F spread for dew point.

3. In no case, however, should a 12-hr dew point be used that exceeds the 1-day value for that date. For example, the value not to be exceeded for June 15 is 56°F, for June 3 (four 3-day periods before June 15) is 52.8°F.

Wind Criteria for Snowmelt

Since two sets of criteria (one emphasizing high temperature and the other high dew point sequences) are given for snowmelt prior to PMP, two sets of wind criteria are also necessary since the pre-PMP synoptic situation favoring high temperatures differs from the criteria favoring high dew points. The recommended winds, tables 2 and 3, are given by elevation bands. In the high dew-point case, table 2, (where synoptic conditions exist favoring maritime influences prior to PMP), the same wind for 4-days prior to PMP is appropriate.

All of the winds presented in tables 2 and 3 have been adjusted for applicability over a snow surface. Although a seasonal variation in the high dew point wind criteria is realistic for the present tentative criteria, they are considered applicable to May and June.

Snowmelt Winds During the PMP

Wind criteria for the 3-day PMP are the same for both the high temperature and high dew point sequences. They are shown in table 4.

15-12-320

Snow Pack Available for Melt

Some work was done in determining the mean and maximum October-April precipitation of record for the available precipitation stations. These stations and other data are tabulated in table 5. The drainages and available stations are shown in figure 1.

Table 5 also shows the years of record available for October-April precipitation, as well as a column labeled "synthetic October-April precipitation." This gives the sum of the greatest October, greatest November, etc., to the greatest April precipitation total from the available record. These synthetic October-April precipitation values and the means are plotted on figure 1.

Approximately 9 years of snow course data are available for 14 locations in and surrounding the Susitna drainage. From these records, the greatest water equivalents were plotted on a map. These varied from a low of 6 inches at Oshetka Lake (elevation 2950 ft) to an extreme of 94.5 inches at Gulkana Glacier, station C (elevation 6360 ft). A smooth plot of all maxima against elevation gave a method of determining depths at other elevations. Figure 2 shows resulting smooth water equivalents based on smoothed elevation contours and this relation.

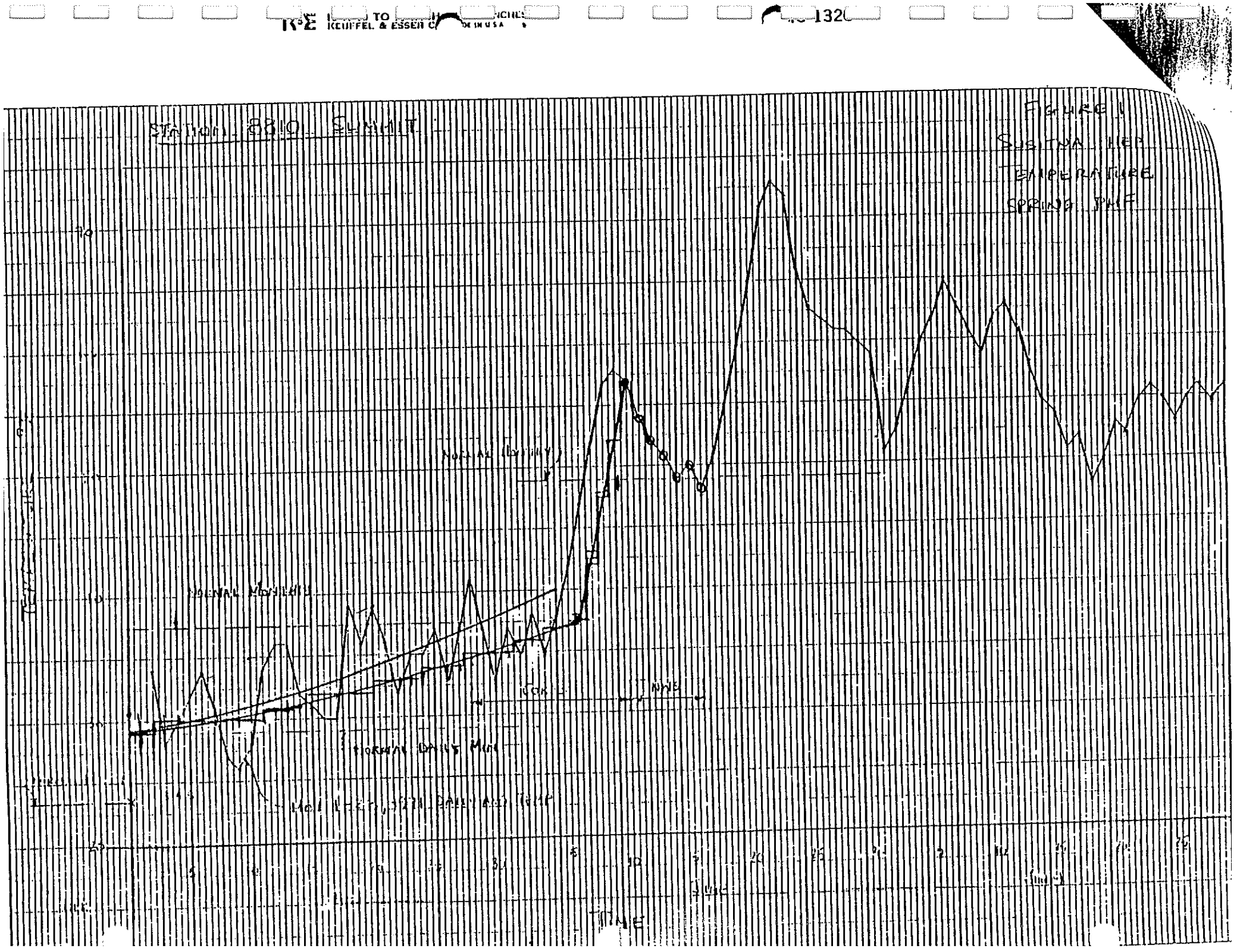
Some additional guidance could be obtained from mean annual precipitation maps. One such map available to us is in NOAA Technical Memorandum NWS AR-10, "Mean Monthly and Annual Precipitation, Alaska." The mean annual of this report covering the Susitna drainage is shown in figure 3.

P5700.14.03.310

TABLE 1

Sub basin	D. A.	% SCA	START SC (ins) (200) June 5	+ DAYS OF MAX MELT. June 9 (2000).	
10	221	100	99	100	
20	694	80	36	25	
80	312	80	15	49	
180	477	79	14	37	June 10
210	44	100	99	100	
220	232	85	27	53	
280	307	72	13	36	
330	48	13	10	2	
340	1047	93	12	85	
380	735	93	26	71	
480	1045	73	25.5	40	
580	628	60	21	31	
680	345	56	21.5	29	

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RUNS

To evaluate the sensitivity I proposed to amend the May temperatures to what shown in Figure 1. This will probably result in less snowmelt during May and hence leave more snow in lower elevations to melt during the critical temp rise and during the PMP storm. In addition I propose to delay the critical rise by two days as shown in Figure 1. Essentially snowmelt should be delayed until there is a drop in peak during (effectively the snowmelt peak component occurring after the rain component).

In some cases, notably in the lower reaches of the basins the snow cover has been depleted to at least 60% of the available area. In all 1274 sq. miles or 21 % of the basin is snow free before the critical snowmelt period

In the Corps report they noted that they obtained the maximum peak discharge with the lowest of three temperature sequences. I interpret this as meaning that the [illegible] yields the maximum [illegible] when [illegible] as low as possible

An inspection of the Spring PMF hydrograph shows two distinct peaks. The indication is obviously that snowmelt has either occurred too early or that lower elevations (at which most can occur given the temperature sequence recommended by HMR) are depleted of snow cover.

The sensitivity of the SSARR program to alteration in the timing of the critical temperature sequence by [illegible] would be available

ACRES

Calculations

SUBJECT: CASITAS H/E P

PMF TEMPERATURE SEQUENCE

JOB NUMBER PS700-03.05.002
FILE NUMBER
SHEET OF
BY DC DATE 23 Jan 8
APP DATE

PMF SPRING FLOOD. SENSITIVITY RUNS.

(1) TEMPERATURE SEQUENCE.

temperature sequence used by Corps given in Figure 1.

SUMMIT station used as Representative of basin.

Corps deviated from recommendation of NWS by taking a temperature lapse rate of 3.3° F per 1000' elevation rise; the recommended lapse rate was 4° /1000'.

Temperature sequence for May used in Spring PMF was actual temperature sequence for May 1971. This temperature sequence may have produced too much ripening and melt of available snow cover before critical temperature rise prior to PMP storm. The % of basins snow covered just before the temperature rise assumed and at time of maximum melt (June 9) is given in Table 1.

(2) RATIONALE

The Corp may have over estimated the temperatures in May resulting in too much Runoff prior to the critical snowmelt period preceding the Spring PMP storm centered on June 15.

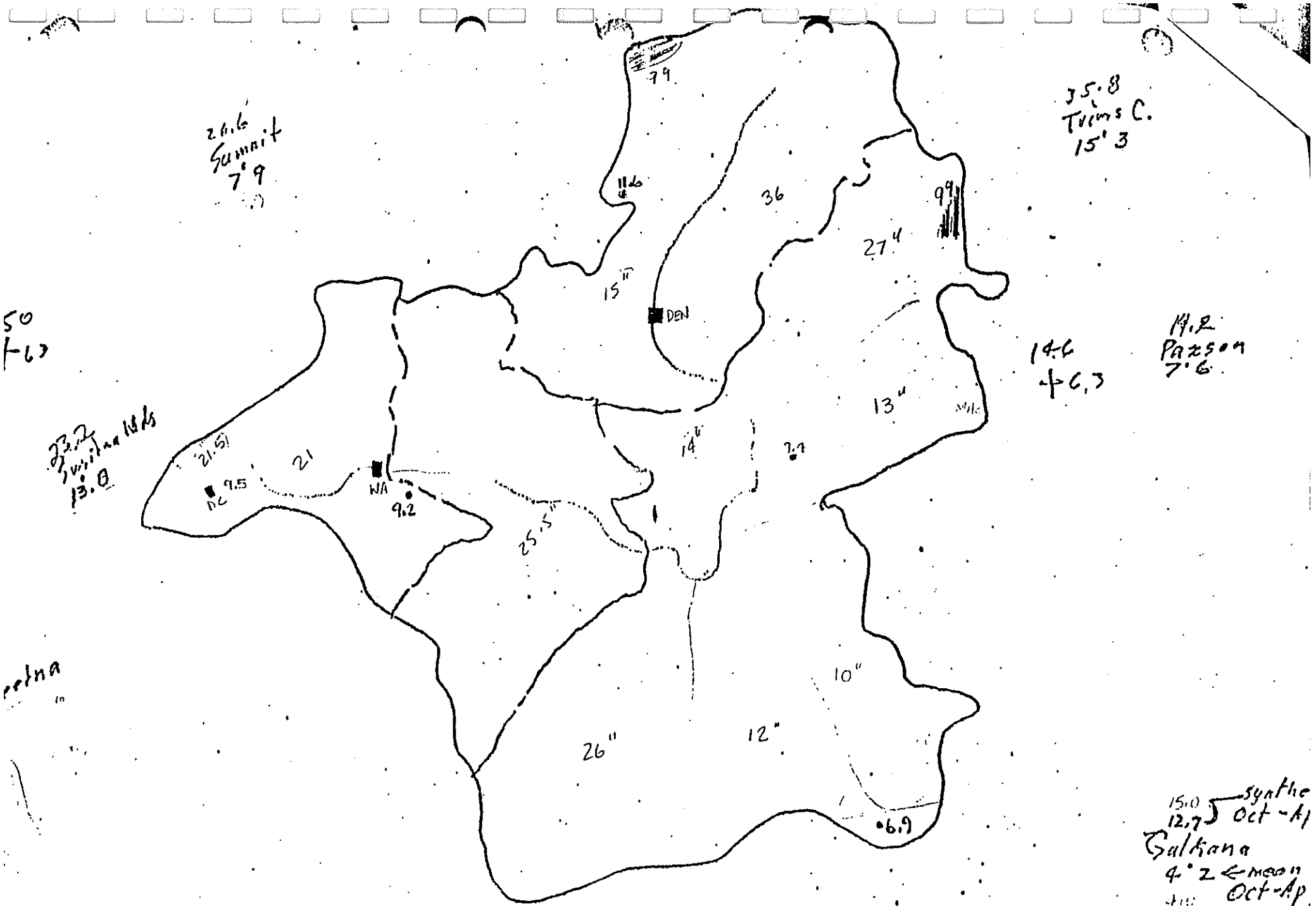


Figure 1.--Drainage outlines and October-April precipitation in inches.
(Upper values = synthetic October-April precipitation;
Lower = mean October-April precipitation.)

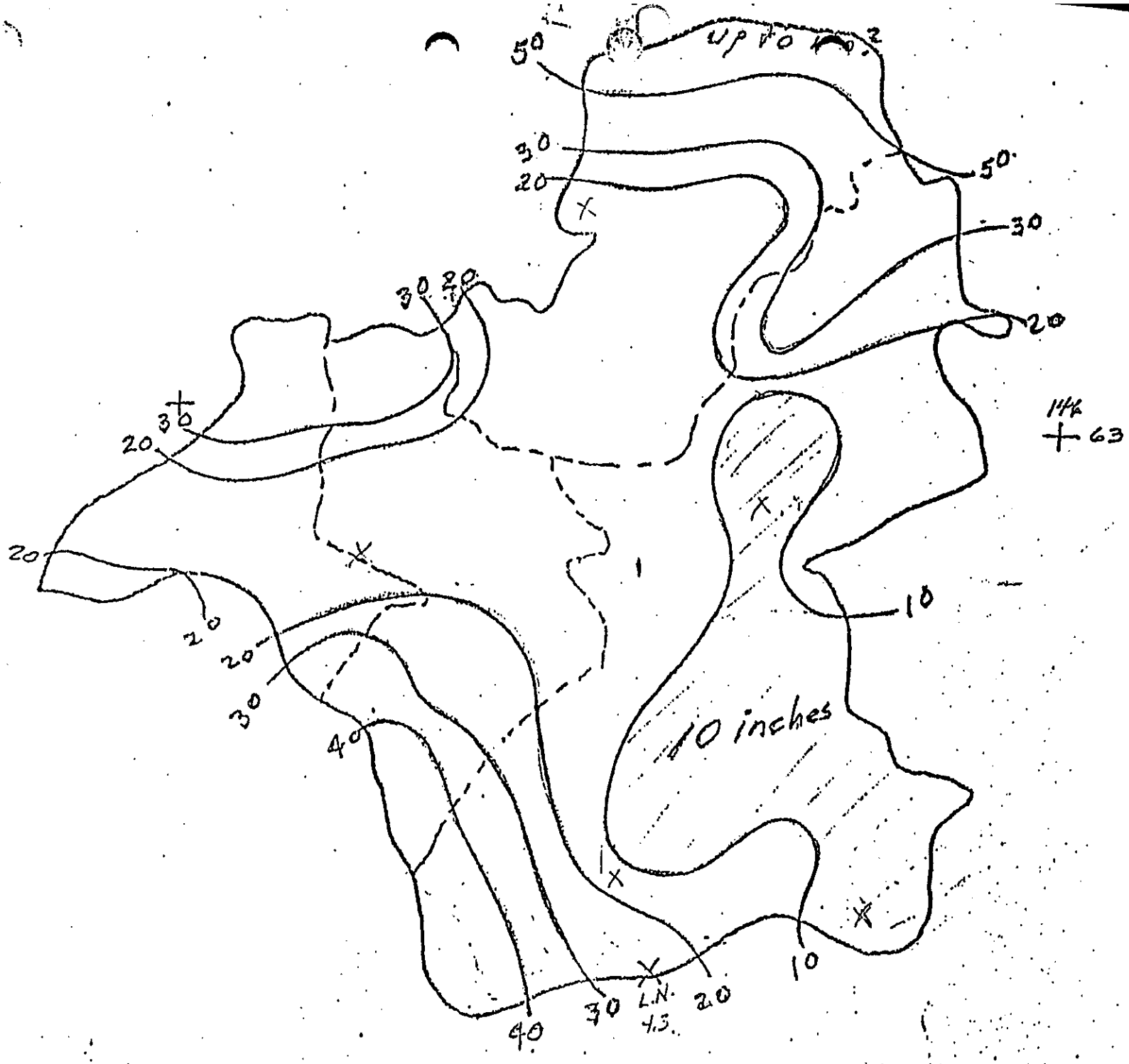


Figure 2.--Minimum water equivalents of snow pack in inches (based on grass smoothing

ACRES

Calculations

SUBJECT:

JOB NUMBER
FILE NUMBER
SHEET OF
BY DATE
APP DATE

TABLE 2.

BASIN	D.A. mi^2	START SNOWPACK ins.
10		99
20		36
80		15
180		14
210		99
220		27
280		13
330		10
340		12
380		26
480		25.5
580		21
680		21.5

FORM NO. 162 REV. 1

ACRES

Calculations

SUBJECT:

JOB NUMBER
FILE NUMBER
SHEET OF
BY DATE
APP DATE

The corps assumed a distribution of snow on ground cover from an examination of maximum values of precipitation at stations in and around the Susitna Basin. From this they drew a map showing what they believed to be the MINIMUM amount of moisture available for a PMF event (Figure 1). This minimum equalled the maximum October through April Monthly maxima. Little guidance was obtained from the NWS on amounts of snowfall that could be obtained in a PMF situation. Actual values used for each subbasin are given in Table 2.

SUNS

(a) No arguments against the NWS PMP values can be finalised at this time

(b) Snow course data for all the new available stations has been requested from E&M with the intention of reviewing the snow course derived water equivalent map. Maneuver a run which at least doubles the amount of snow on the ground could be made easily to access the sensitivity in critical subbasins (eg.

ACRES

Calculations

SUBJECT: Susitna HEP. PMF PRECIPITATION

JOB NUMBER 2500-03-05-002
FILE NUMBER
SHEET OF
BY DC DATE 2/6
APP DATE

SSARR Sensitivity Runs

(1) Precipitation.

(a) PMP storm. The Corps used the storm recommended by the NWS. This storm was centered on June 15 and represented 0.7 times the summer PMP storm. The 72-hour storm is given in Table 1

TABLE 1. SPRING PMP (ins).

Hour	1st Day	2nd Day	3rd Day	
0-6	.18	.42	.10	
6-12	.35	.84	.21	
12-18	.78	1.89	.47	
18-24	.27	.63	.16	
Totals	1.58	3.73	.94	- 6.3 ins.

(b) Snow on ground.

The derivation of snowfall amounts prior to the storm of simulation is somewhat more complicated due to the bri

FORM NO. 162 REV. 1

PS700.14.03:309

.308

15-12-330

From: DC

Hydrology

DC
18 Sep 80

1310

PMF Studies – Task 03.05.02

Review of Corps's model of Probable maximum flood.

(1) Meteorological Data and Watershed Characteristics

(a) Precipitation.

(i) Spring PMF. Initial snowpack water content appears to be that given in Figure 2 of National Weather Service Memo from J T. Riedel (no date). Figure 2 is also given as Plate 13 in Corps's 1975 report.

PMP is 0.7 times PMP as Recommended by NWS.

No antecedent storm was used.

Comments: PMP storm has been assumed to occur 5 days after a peak resulting from the onset of warm temperatures and subsequent snowmelt [see Plate 16]. Therefore I am uncertain as to consequences of having PMP storm during this warming trend

(ii) Summer PMF. Initial snowpack at start of melt (6 May) w not the maximised snowpack used in Spring PMF determination. Uncertain as to origin of values used but suspect they are record from 1971

PMP and antecedent storm used is are equal to NWS Recommended Storms

Comments. Corp used storm conditions recomended by NWS, ha would require some investigation into the consequences of having substantially more snow on ground in May than what has been assumed.

(b) Temperature

(i) Spring PMF Temperature sequence used ~~to~~ trigger the maximum snowmelt runoff is not clear ~~as to~~ w.r.t its derivation; especially the selection of the lowest temperature sequence a critical sequence.

Comments. Temperature sequence before, and during PMP requ further investigation.

(ii) Summer PMF Temperature values used in Summer PMF derivation appear to be 1971 values and are not considered critical.

(c) Initial Basin Conditions

For each watershed in the model division of the entire basin values of SMI, BFI, %AR, SCA and other watershed characteristics were generally equal. The Corp reports that errors in initial conditions are generally negated after several weeks in the model. Consequently Summer PMF is not seriously effected by initial conditions; Spring PMF may be.

A review of initial conditions for Spring PMF reveals that all watersheds had 100% snow cover and an initial SMI ranging from 6 to 9 ins except for Lake Louise watershed which had an initial SMI of 20 ins.

SMI values for summer PMF were initially lower than those assumed for spring PMF., but all watersheds were assumed to be 100% snow covered in early May.

(d) Watershed characteristics

I have tabulated the input of watershed characteristics such as SMI vs Runoff %, to enable a comparison to be made between conditions assumed in each watershed and to aid in determining what values are assumed. Watershed characteristics are inputted to the model by using Tables, each table carrying an ID number. Therefore for each watershed there is a Table for each of the necessary input parameters. To facilitate these investigations I have plotted each watershed characteristic table to produce a family of curves showing the range of values used throughout the entire basin. Watershed characteristics are identical for both Summer & Spring PMF models (except for SMI and hydrometstations).

Comments: A table has been prepared showing watershed characteristics and initial conditions used for each watershed in the model to determine Summer PMF. Plots of watershed characteristics are also ready.

(2) Reconstitution Studies.

(i) Errors in reported values for reconstitution of 1967 and Aug 1971 floods contained in 1975 report. Values should be.

Period	Flood Event	Max. Gold Creek Average Daily Flow (cfs) Observed	Calculated		% Error
1964 (20 May - 3 Aug)	Snowmelt	85,500	80,300	- 5,200	-6.5
1967 (1 Aug - 30 Aug)	Rain	76,000	78,500	+ 2,500	+3.3
1971 (6 May - 30 Aug)	Snowmelt	66,300	53,300	- 13,000	-19.6
	Rain	77,700	73,500	- 4,200	-5.4
1972 (2 May - 5 July)	Snowmelt	70,700	60,900	- 9,800	-13.9

(ii) Observations made on reconstitution hydrographs.

It can be seen from above, the model consistently underestimates snowmelt floods. Rain floods appear to be model reasonably, but two floods may not be enough to say accurately.

To further evaluate the modelling I briefly looked at the reconstitution of floods at the other locations where observed floods ~~were~~ are recorded. This investigation showed that rainfall floods were reasonably well modelled throughout the basin but snowmelt floods were not as well modell It was also apparent that snowmelt floods were consistently higher for upper watersheds of the model but at Gold Creek all Snowmelt floods were underestimated. The combined effect appears to indicate a major deficiency in modelling snowmelt runoff in the reach between Vee Dom and Gold Creek.

A constant melt rate of 0.32 ins was assumed for the watersheds contributing below Vee Dam collection point. This contribution represents the runoff from 35% of the drainage are at Devil Canyon damsite. I believe melt rates should possibly be higher towards later stages of the melt season... and a little lower in earlier stages. However cannot at this time make recommendation as to values to be used as would require actual spring PMF computer run (see section 3, b).

Melt rates for watersheds above Vee Dam site could possibl be lowered.

Further investigation into the snow depletion curve (which directly effects snowmelt runoff amounts) is required; possibly changing SDC to the theoretical curve given in Snow Hydrolo and used in SSARR manual examples.

(3) Computer Usage.

(a) Present Status. Four data files are presently stored on tape. As far as I can ascertain from a cursory inspection of the files for summer and spring PMF models these files are simply duplicated, that is, two summer and two spring files. However, the only way to check this for certain is to run the program. I recommend we remove two of the files from the system as we can reload via Cardreader.

One output run is available for the summe PMF.

(b) Planned Runs

(i) Run existing Corp data for Spring PMF to eva evaluation to be made.

(ii) Delete SSPRNGZ and SSUMMER from system.

(iii) Change parameters of snowmelt in lower reach to see if snowmelt flood can be better modelled.

(iv) Change timing of PMP to coincide with temporal Rise sequence.

(v) Other Runs when identified.

The objective of these two studies with regard to the Susitna drainages is to attempt a better evaluation of topographic effects, and to make a better evaluation of snow pack available for melt.

Study of additional storms could give some important conclusions and guidance on how moisture is brought up the Cook Inlet to the Talkeetna Mountains and how these mountains effect the moisture.

Snowmelt criteria in this quick study is limited to 7 days. Considerably more work needs to be done to extend this to a longer period. Then we would need to emphasize compatability of a large snow cover and high temperatures. More known periods of high snowmelt runoff need to be studied to determine the synoptic values of the meteorological parameters.

Also on this figure is shown the mean runoff for three portions of the Susitna River drainage based on the years of record shown. No adjustment has been made for evapotranspiration or any other losses. This indicates that the actual mean annual precipitation is probably greater than that given by NWS AR-10.

Conclusion. Time hasn't allowed checks, evaluation, and comparison of the several types of data summarized here. It appears the "synthetic October-April precipitation" generally is less than the maximum depths over the drainages based on snow course measurements. There depths, or figure 2, would be considered the least that could be available for melt in the spring.

Further Studies

The variation of precipitation with terrain features in Alaska is important but yet mostly unknown and unstudied. More effort should be placed on attempts to develop mean annual or mean seasonal precipitation maps, at least for the region of the Susitna River. Some 10 years of data at about a dozen or so snow courses could be used in this attempt, as well as stream runoff values.

Some work has been done toward estimating maximum depth-area-duration values in the August 1967 storm; an important input to the present estimates. Attempts should be made to carry out a complete Part I and Part II for this storm, although data are sparse and emphasizing the use of streamflow as a data source.

Table 3

Snowmelt winds preceding PMP for Susitna Basins
for high temperature sequence

Elevation (ft)	Daily wind speed (mph) Day prior to 3-day PMP			
	1st	2nd	3rd	4th
sfc	10	13	4	4
1000	10	13	4	4
2000	11	14	5	5
3000	12	16	5	5
4000	13	16	6	6
5000	13	17	6	6
6000	14	18	6	6
7000	15	20	6	6
8000	16	20	7	7
9000	16	20	7	7
10,000	17	21	7	7

Table 4

Winds during 3-day PMP

Elevation (ft)	Wind speed (mph) Day of maximum PMP	Day of 2nd highest PMP	Day of 3rd highest PMP
sfc	12	9	8
1000	14	10	9
2000	19	14	12
3000	29	21	18
4000	42	31	27
5000	56	42	36
6000	58	44	38
7000	62	46	40
8000	64	48	41
9000	68	51	44
10,000	70	52	45

15-12-325

Table 1

General level of PMP estimates for 4 Susitna River drainages

Drainage Number	Area (sq mi)	72-hr PMP (in.)
1	1260	9-12
2	4140	7.5-10.5
3	5180	7-9
4	5810	7-9

For 24-hr PMP, multiply 72-hr value by 0.60.

For 6-hr PMP, multiply 72-hr value by 0.30.

PMP for intermediate durations may be obtained from a plotted smooth curve through the origin and the 3 values specified.

Table 2

Snowmelt Winds preceding PMP for Susitna Basins for high dew point sequence

Elevation (ft)	Daily Wind speed* (mph)
sfc	8
1000	9
2000	12
3000	13
4000	25
5000	34
6000	36
7000	37
8000	39
9000	40
10,000	42

*For each of the 4 days preceding the 3-day PMP.

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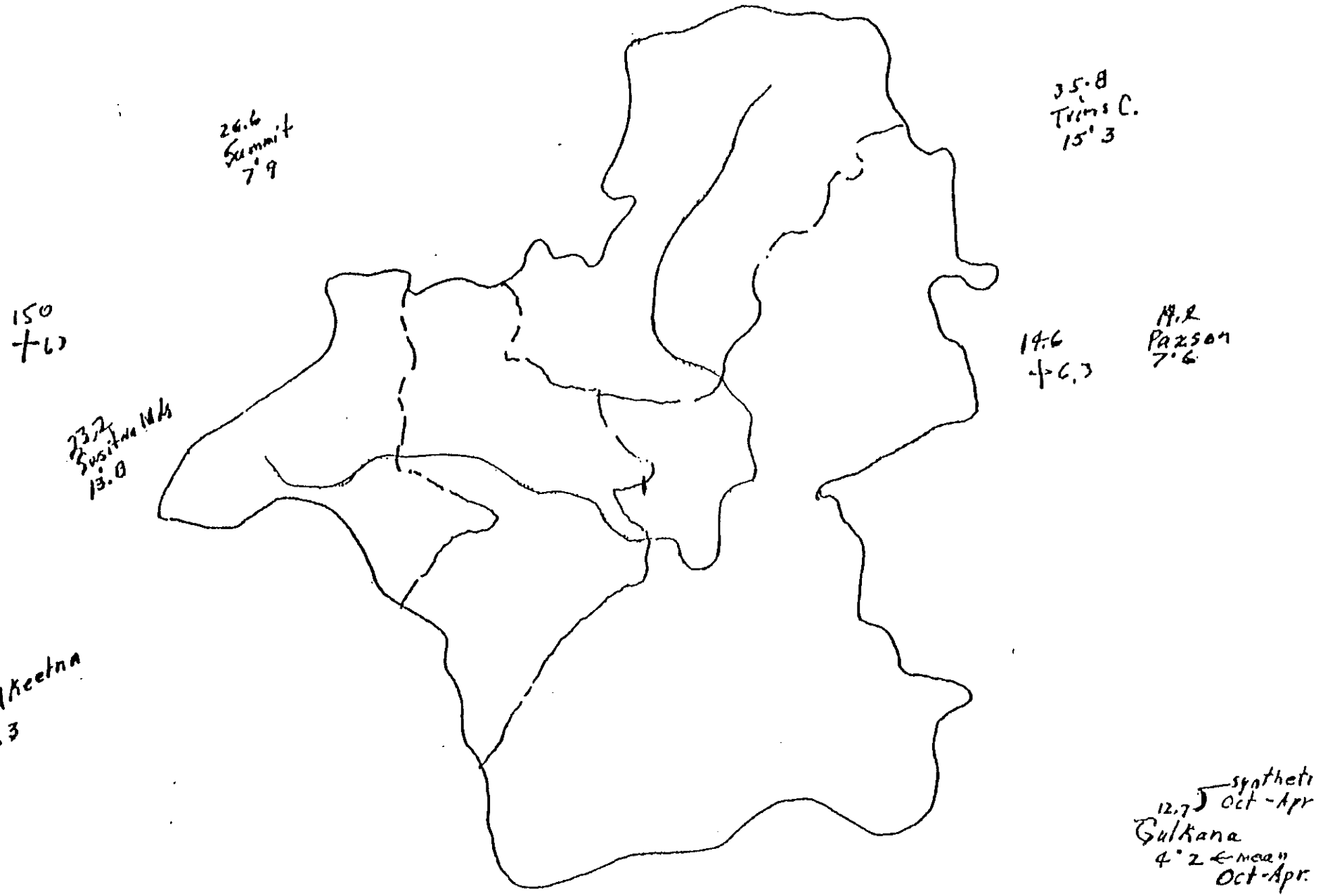


Figure 1.--Drainage outlines and October-April precipitation in inches.
(Upper values = synthetic October-April precipitation;
Lower = mean October-April precipitation.)

15-12-227

Table 5

Stations with Precipitation Records in and surrounding the Susitna Drainage

Station	Elevation (ft.)	Yrs of record for complete Oct.-Apr. precipitation	Maximum obs. Oct-Apr. prec. (in.)	Yr of Maximum	Mean Number of months for synthetic Oct.-Apr. season	Synthetic Oct.-Apr. precip. (in.)	Mean Oct.-Apr. Precip. (in.)
Susitna Meadows	750	4	17.18	70-71	4	23.18	13.77
Gulkana	1572	18	6.77	56-57	18	12.68	4.19
Paxson	2697	2	8.42	43-44	6	14.25	7.64
Trims Camp	2408	3	23.26	59-60	5	35.82	15.3
Summit	2401	19	14.09	51-52	20	26.59	7.93
Talkeetna	345	35	21.17	29-30	37	40.59	12.26
Sheep Mountain	2316	13	11.91	59-60	12	18.42	4.78

15-12-326

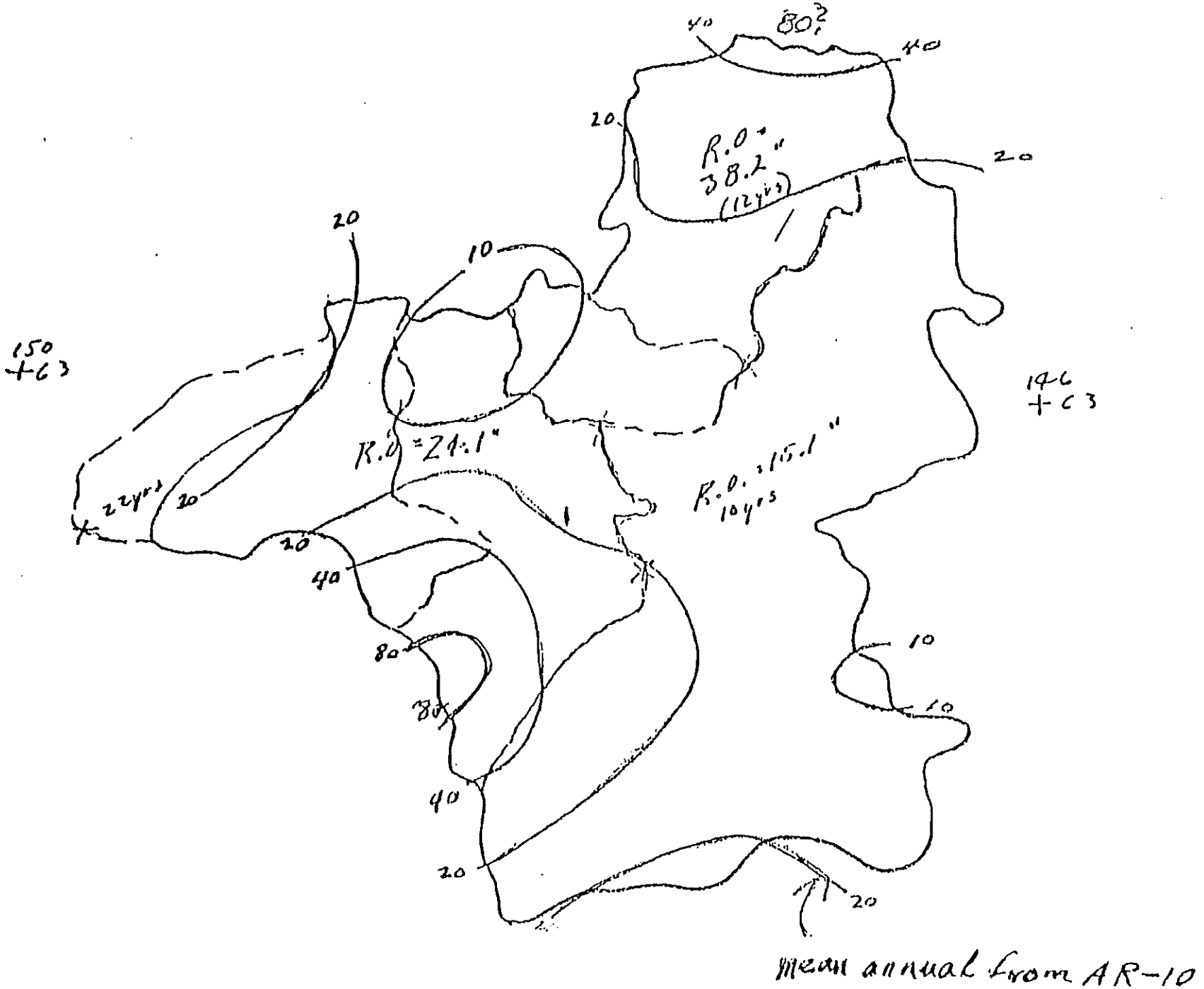


Figure 3.--Mean annual precipitation and stream runoff (in inches).

15-12-329

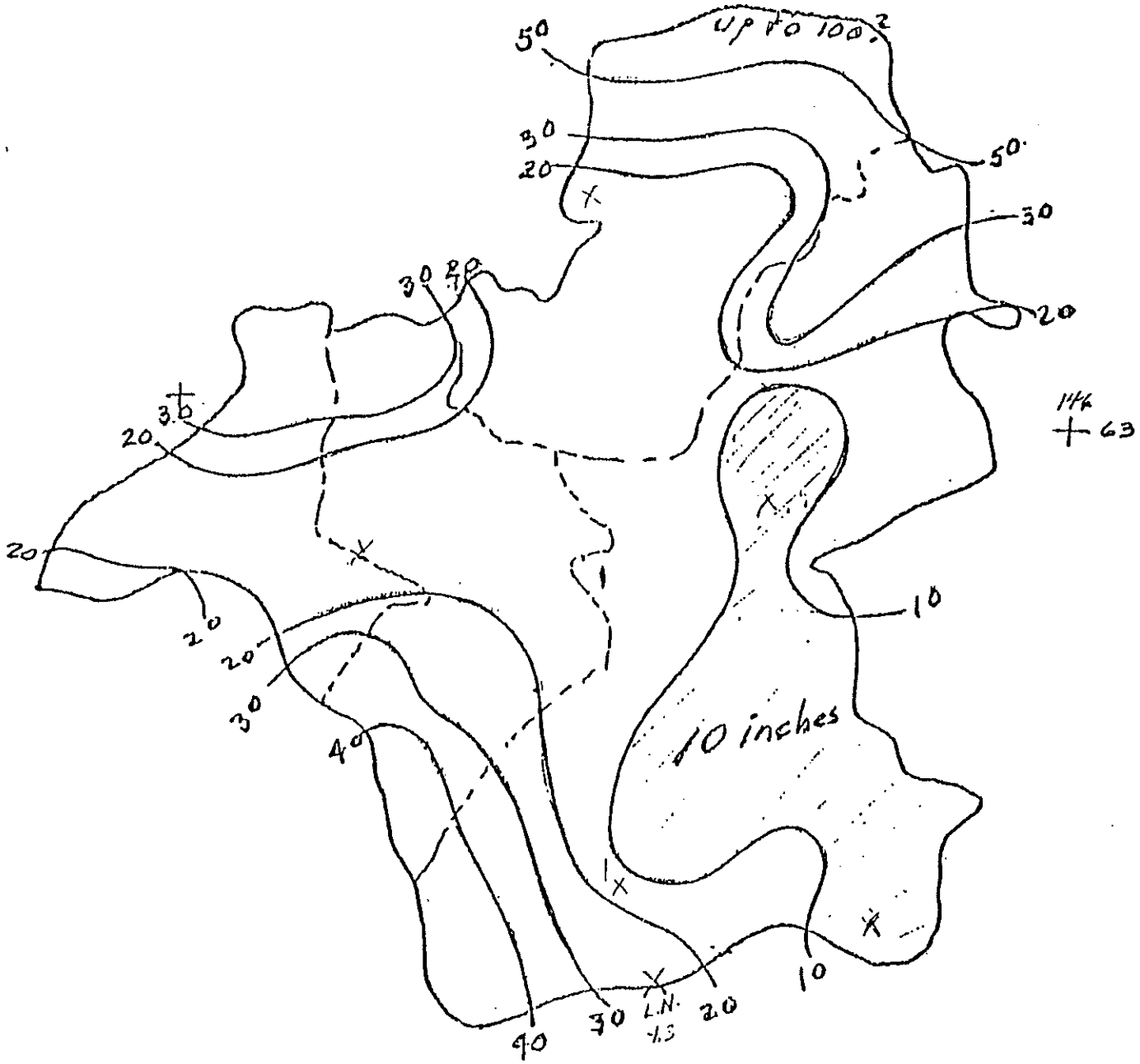


Figure 2.--Minimum water equivalents of snow pack in inches (based on gross smoothing of maximum snow course measurements.)

15-12-322

WATERSHED CHARACTERISTICS — SUMMER PMF

	Susitna Gl. ID=10	Susitna Above gauge ID=20	Local Above Denali ID=80	Susitna Local Above Maclaren ID=180	Maclaren Gl. ID=210	Maclaren Below Gl. ID=220	Maclaren Above Susitna ID=280	Lk Louise + Susitna Lk. ID=330	Tyone R.B. ID=340	Oshetna & Goose Local ID=380	Watana & Deadwin Loc ID=480	Tsusena & Devil Local ID=580	Fog... Local ID=...
Drainage Area (sq.mls)	221	694	312	477	44.0	232	307	48	1047	735	1045	628	345
No. Surface Routing Phases	4	4	4	4	3	4	4	3	8	3	4	4	4
Surface Time of Storage (hrs)	6.0	8.0	3.0	3.0	6.0	5.0	3.0	15.0	10.0	3.0	8.0	8.0	8.0
No. Sub-surface Routing Phases	4	4	4	4	3	4	4	1	8	4	4	4	4
Sub-surface time of Storage (hrs)	12.0	20.0	8.0	8.0	12.0	20.0	8.0	0.0	48.0	8.0	15.0	15.0	15.0
No. Baseflow Routing Phases	4	5	5	5	3	5	5	1	8	4	5	5	5
Base Flow Time of Storage (hrs)	24.0	156.0	156.0	156.0	24.0	156.0	156.0	0.0	200.0	96.0	156.0	156.0	156.0
Baseflow Infiltration Index Time of Storage for Rising Q (hrs)	100.0	100.0	100.0	100.0	100.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Table No. for PPT vs KE	5001	5001	5001	5001	5001	5001	5001	5001	5001	5001	5001	5001	5001
Table No. for Snow Depletion	6004	6006	6006	6006	6004	6006	6006	6006	6006	6006	6006	6006	6006
Table No. for Month vs ETI	4009	4008	4008	4008	4006	4008	4008	4008	4010	4008	4008	4008	4008
Table No. for SMI vs Runoff %	1015	1018	1018	1018	1015	1018	1018	1022	1021	1018	1020	1020	1020
Table No. for BII vs % Runoff to Baseflow	2017	2011	2009	2009	2017	2012	2009	2009	2009	2009	2009	2009	2009
Maximum BII	10.00	10.00	9.00	9.00	10.0	10.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
Table No. for Surface - Sub-surface Total vs surface component	3009	3008	3008	3008	3009	3003	3008	3008	3008	3008	3008	3008	3008
Table No. for % seasonal snowmelt Runoff vs snowmelt rate	7011	7005	7010	7010	7009	7005	7010	7010	7010	7010	7005	7005	7005
Rain Freeze Temp (°F)	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0

15-12-348

	Susitna Gl ID = 10	Susitna Above Gauge ID=20	Local Above Denali ID=80	Susitna Local Above Maclaren ID=180	Maclaren Gl. ID=210	Maclaren bel Gl. Above Gauge ID=220	Maclaren Above Susitna ID=280	Lk Louise & Susitna Lk ID=330	Tyone R. ID=340	Osbetna & Goose Local ID=380	Watana & Deadman Loc ID=480	Tsuevo & Devil ID=580	Portage & Cold Cr. ID=6
HYDROMET STATIONS CB04													
DATA CODE (precipitation)	3	3	3	3	2	3	3	3	3	3	3	3	3
Station No.	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Weight %	132	132	55	64	97	97	64	64	64	111	139	106	88
Data Code (Temperature)	4	4	4	4	4	4	4	4	4	4	4	4	4
Station No.	1480	8811	8811	8811	1480	8811	8811	8811	8811	8811	8811	8811	8811
Weight %	100	100	100	100	100	100	100	100	100	100	100	100	100
Data Code (Precipitation)	3	3	3	3	3	3	3	3	3	3	3	3	3
Station No	1480	1480	9139	9139	1480	1480	9139	9139	9139	9139	9139	9139	9139
Weight %	115	110	90	90	100	100	90	90	90	90	125	125	125
Ie:	14|060571	14|060571	14|060571	14|060571									
MI	4.00	2.00	2.00	2.00	4.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
BII	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03
CA	100.0	100.0	100.0 default to 0.10	100.0	100	100	100	100	100	100	100	100	100
MELTR	.1000	.0100	0.0000	0.0000	.1000	.0100	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0000	0.0000
N-AR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ML-AR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Seasonal Snowmelt Runoff.	99.00	12.00	8.7	6.7	99.00	19.5	6.7	3.6	3.6	6.9	7.4	7.4	7.4

Lakeshed Elevation vs % Area Below

		2440	0																					
2800	0.0	3000	27.7	2370	0	2350	0			2866	0	2350	0	2361	0	2100	?	1910	0	1450	0	910	0	677	0
3000	4.5	4000	53.2	3000	35.9	3000	35.0	3150	0	3000	8.2	3000	49.8	2363	99.9	3000	68.7	2000	2.0	2000	3.0	1000	2.0	1000	3.2
4000	17.7	5000	81.3	4000	74.4	4000	82.0	4000	10.9	4000	50.5	4000	96.7			4000	95.2	3000	15.6	3000	27.7	2000	8.4	2000	26.1
5000	35.9	6000	92.6	5000	97.1	5000	96.4	5000	24.1	5000	80.1	5000	96.8			5000	99.8	4000	49.1	4000	68.3	3000	44.1	3000	51.0
6000	61.1	7000	97.1	6000	99.7	6000	96.5	6000	67.2	6000	94.9	5275	99.9			5275	99.9	5000	78.4	5000	91.1	4000	79.5	4000	80.9
7000	84.8	8000	98.4	6100	99.9	6200	99.9	7000	96.0	7000	98.6							6000	96.0	6000	98.9	5000	96.2	5000	97.1
8000	96.1	9000	98.9	-	-	-	-	8000	99.8	8000	99.8							7000	99.8	7000	98.9	6000	99.8	6000	99.8
9000	99.8	10000	99.8					8850	99.9	8850	99.9							7770	99.9	7200	99.9	6910	99.9	6018	99.9

PS700.14.03.314

Calculations

SUBJECT:

JOB NUMBER
FILE NUMBER
SHEET OF
BY R. STOLL DATE 3 Mar 81
APP DC DATE 7 Mar 81

TABLE 1 Summary of PMF Sensitivity Studies

RUN DESCRIPTION*	WATANA		DEVIL CANYON		GOLD CREEK
	INFLOW	OUTFLOW	INFLOW	OUTFLOW	
	Discharge CFS.				
COE, 1975 ESTIMATE (BASE RUN)	233,000	192,000	226,000	222,000	236,000
TEMPERATURE SENSITIVITY RUN.	242,000	198,000	233,000	229,000	243,000
STORM TIMING SENSITIVITY	239,000	194,000	229,000	224,000	229,000
PRECIPITATION/SNOW PACK SENSITIVITY	347,000	250,000	302,000	290,000	303,000
INCREASED TEMPERATURE GRADIENT SENSITIVITY	302,000	243,000	282,000	275,000	289,000
COMBINED CASE SENSITIVITY	430,000	270,000	330,000	322,000	348,000
COE SNOW PACK SENSITIVITY	254,000	232,000	272,000	262,000	277,000

* detailed discussion of sensitivity studies given in Subtask 305(ii) – Probable Maximum Flood: Closeout Report

FORM NO. 152 REV. 1

K&E 46 1320
10 X 10 TO ½ INCH
KEUFFEL & ESSER
7 X 10 INCHES
MADE IN U.S.A.

INFLOW TO WATANA

SPRING PMF
by ACRES

PRECIPITATION:
ORIGINAL (165% PMP)
PRT. RUN (100% PMP)

HYDROGRAPH

- BASE RUN
- TEMPERATURE SENSITIVITY RUN (RUN NO 1)
- INCREASED PRECIP/SNOWPACK (RUN NO 2)
- PRECIP. (70%) OCCURS 12 HRS EARLIER THEN BASE (RUN NO 3)
- STEEP TEMP. RISE

(1000) CFS

FLOW

Solid

TIME

(HR)
(DATE) 5 JUNE 6 7 8 9 10 11 12 13 14 15 16 17 18

FIGURE 5.5

REF ACRES

INFLOW TO WATANA

SPRING PMF

by U.S. CORPS ENG

- ORIGINAL RUN
- 50% INCREASE IN SNOW PACK

FLOW (1000) CFS

TIME

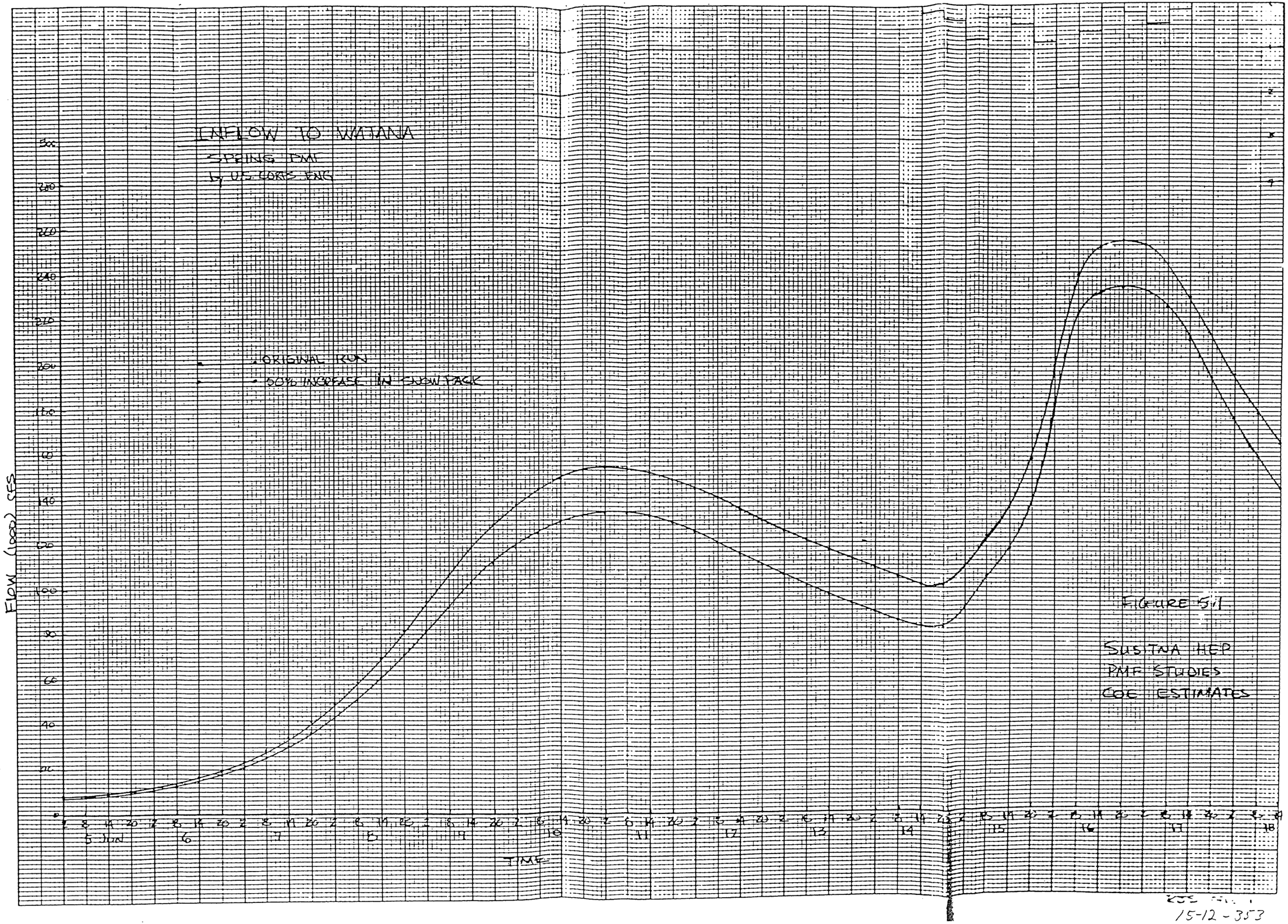


FIGURE 5.1

SUSITNA HEP

PMF STUDIES

COE ESTIMATES

15-12-353

K·E 10 X 10 TO ½ IN 7 X 10 INCHES KEUFFEL & ESSER MADE IN U.S.A.

46 1320

K&E 10 X 10 TO ½ IN 7 X 10 INCHES
KEUFFEL & ESSER 4 0 0 E IN U S A

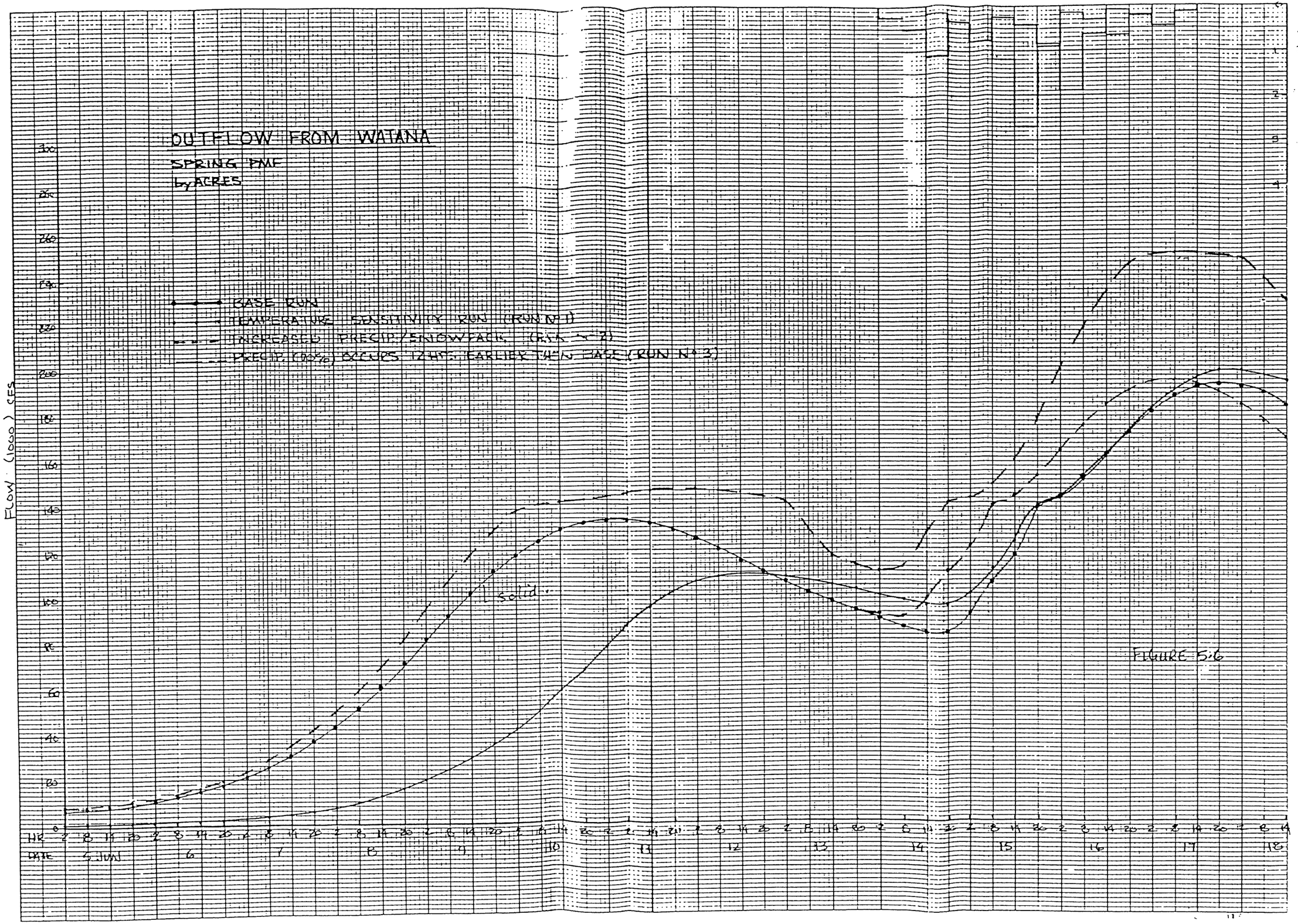
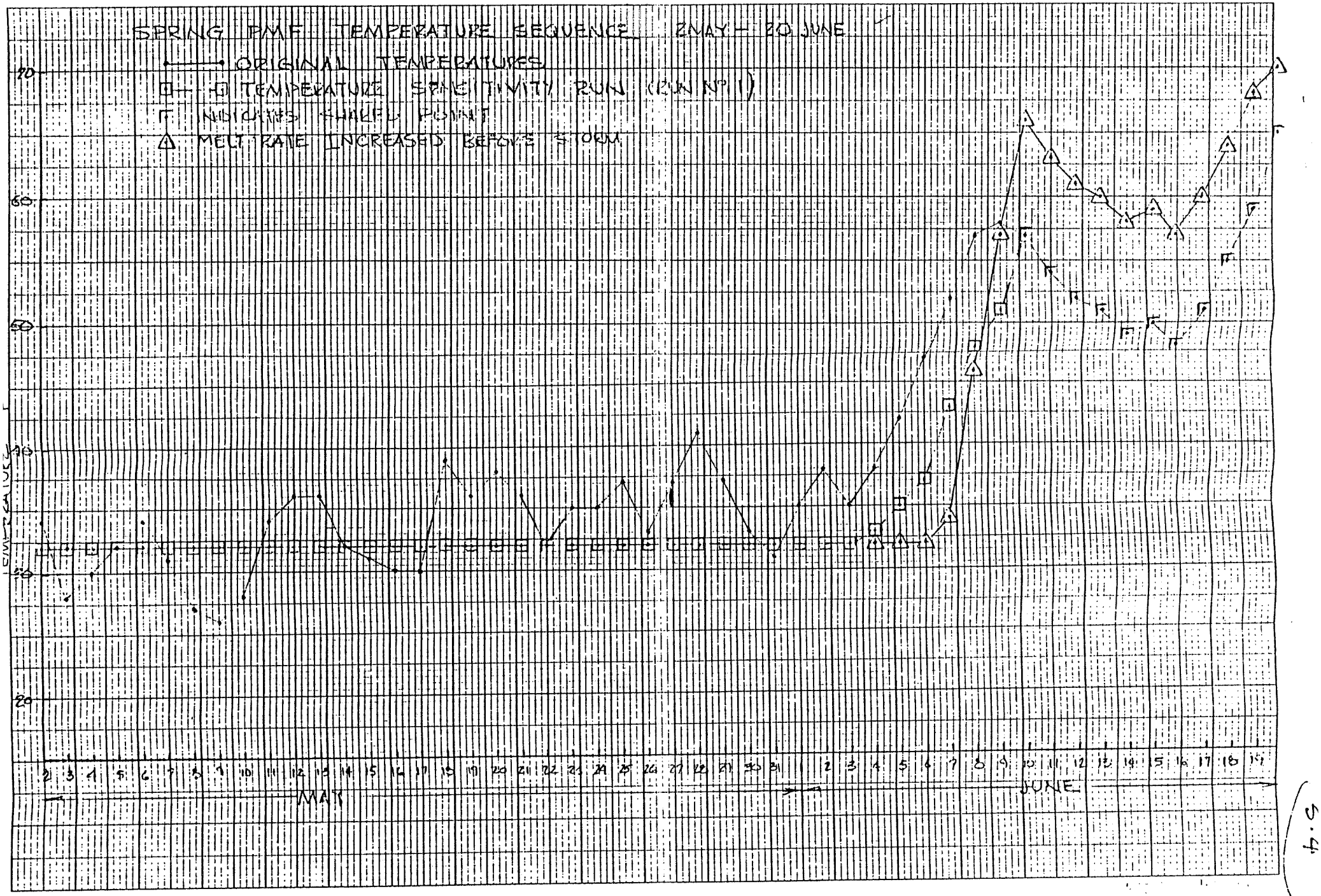


FIGURE 5.6



5.4

K+E 10 X 10 TO ½ INCHES 7 X 10 INCHES
KEUFFEL & ESSER MADE IN U.S.A.
46 1320



P5700.14.03.326

R&M CONSULTANTS, INC. 5024 CORDOVA • BOX 6087 • ANCHORAGE, ALASKA 99502 • PH 907-279-0483 • TLX 090-25280

ENGINEERS
GEOLOGISTS
PLANNERS
SURVEYORS

June 19, 1981

R&M No. 052302

Project Manager
Susitna Hydroelectric Project
Acres American Incorporated
Liberty Bank Building
Main @ Court
Buffalo, New York 14202

Attention: Mr. Dave Crawford

Re: Probable Maximum Flood, Climate Data Retrieval

Dear Dave:

The peak flood of 1980 for the Susitna River occurred on July 29. Enclosed as requested are climate data for this period at all NOAA stations in the Susitna Basin and from 4 of the project weather stations installed last year. Two of the weather stations, Kosina Creek and Tyone River, were not installed until August 1980 and therefore there is no data for these areas. Of the four stations included 3 were started up in July 1980.

Station	Installation Data
Watana	3-13-80
Devil Canyon	7-17-80
Denali	7-18-80
Susitna Glacier	7-20-80

Also enclosed is a summary of summer 1980 peak discharges. Good luck with your program. Please call if you need any additional information.

Very truly yours,

R&M CONSULTANTS, INC.

Robert F. Butera

Robert F. Butera
Staff Engineer

RFB/kaee

Enclosures

Received
Daily Precip. Temp. Stations for Alaskan July

ALASKA POWER AUTHORITY
SUSITNA
E P5700
11.10
ENGINEERING NO.
E 1685
INITIAL
JDH
READ 6/23
JWH
MRV
HRC
FILE

15-12-357

MONTHLY MAXIMUM DEW POINT TEMPERATURES

ANCHORAGE, ALASKA

1950 - 1981

FROM N.W.S.

Month	Year	24-Hour Average	12-Hour Average
May	1974	45	48
June	1969	54	56
July	1979	57	59
August	1977	59	62
September	1979	54	55

15-12-35

NAT WEATHER SERVICE MET OBSY
INTERNATIONAL AIRPORT

MONTHLY SUMMARY

DEPARTMENT OF COMMERCE • UNITED STATES OF AMERICA • CE

LATITUDE 61° 10 'N LONGITUDE 150° 01 'W ELEVATION (GROUND) 114FT. STANDARD TIME USED: ALASKAN WBAN 926451

AUGUST 1977 ANCHORAGE, ALASKA

DATE	TEMPERATURE °F MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	DEGREE DAYS BASE 65° HEATING (SEASON BEGINS WITH JULY)	COOLING (SEASON BEGINS WITH JAN.)	WEATHER TYPES ON DATES OF OCCURRENCE 1 FOG 2 HEAVY FOG 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 GLAZE 7 DUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW	SNOW, ICE PELLETS OR ICE ON GROUND AT 0SAM IN.	PRECIPITATION WATER EQUIV. (SNOW, ICE PELLETS) IN	SNOW, ICE PELLETS IN.	AVG. STATION PRESS. IN. - - - ELEV. 132 FEET M.S.L.	WIND RESULTANT DIR.	RESULTANT SPEED M.P.H.	AVERAGE SPEED M.P.H.	FASTEST MILE SPEED M.P.H.	FASTEST MILE DIRECTION	SUNSHINE MINUTES	SUNSHINE PERCENT OF POSSIBLE	SKY COVER TENTHS SUNRISE TO SUNSET	SKY COVER TENTHS MIDNIGHT TO MIDNIGHT	DATE
1	71	55	63	5	51	2	0		0	T	0	29.99	12	3.4	9.4	16	16	538	52	9	8	1
2	64	51	58	0	52	7	0		0	.12	0	30.12	02	1.1	2.0	8	01	242	24	10	10	2
3	71	55	63	5	56	2	0		0	T	0	30.02	17	7.6	10.8	23	17	304	30	10	10	3
4	66	56	61	3	55	4	0	1	0	.32	0	30.05	22	6.4	8.2	17	24	207	20	10	10	4
5	61	52	57	-1	50	8	0		0	0	0	29.98	28	2.8	4.0	10	28	410	41	10	10	5
6	69	51	60	3	51	5	0		0	T	0	29.69	18	2.4	6.3	12	06	499	50	8	8	6
7	61	56	59	2	53	6	0		0	.01	0	29.50	25	1.2	4.2	8	28	0	0	10	10	7
8	68	56	61	4	53	4	0		0	.08	0	29.62	19	7.0	11.4	17	17	397	40	10	10	8
9	83	55	69	12	55	6	0		0	.02	0	29.72	04	1.8	3.0	8	02	38	4	10	10	9
10	70	56	63	6	51	2	0		0	.02	0	29.73	17	10.3	14.7	24	18	589	60	8	8	10
11	71	56	64	7	48	1	0		0	0	0	30.08	16	10.7	10.8	17	15	556	57	9	9	11
12	85	50	68	1	52	7	0		0	.27	0	30.06	19	1.1	4.9	13	18	368	38	10	9	12
13	75	55	65	8	58	0	0	1	0	.18	0	29.91	10	2.5	6.0	24	15	472	49	8	9	13
14	65	55	60	4	58	5	0		0	.14	0	29.84	25	4.5	9.1	14	23	0	0	10	10	14
15	69	54	60	4	53	5	0		0	T	0	30.01	30	3.8	5.3	14	29	580	61	8	7	15
16	70	51	61	5	55	4	0		0	T	0	30.11	35	2.5	4.0	8	02	500	53	10	9	16
17	71	56	64	8	58	1	0		0	.23	0	30.03	05	2.7	6.3	16	14	318	34	10	10	17
18	69	55	62	6	58	3	0		0	0	0	30.04	19	3.9	7.3	15	16	546	58	9	8	18
19	68	56	61	5	58	4	0		0	0	0	30.14	30	3.6	5.3	9	30	538	58	9	8	19
20	77	52	65	10	59	0	0		0	0	0	30.00	09	1.2	3.8	9	05	475	51	1	1	20
21	82*	54	68*	13	57	0	3		0	0	0	29.68	09	3.9	8.5	18	16	504	55	4	3	21
22	87	54	71	16	58	4	0	2	0	0	0	29.81	26	4.3	5.5	12	30	322	35	8	6	22
23	64	57	61	6	53	4	0		0	0	0	29.45	23	2.1	6.0	14	14	398	44	8	6	23
24	61	55	58	3	53	7	0	1	0	T	0	29.54	22	4.5	6.9	12	23	0	0	10	9	24
25	63	58	60	6	53	5	0	1	0	T	0	29.61	24	3.2	4.6	9	29	0	0	10	10	25
26	61	55	58	4	51	7	0	1	0	T	0	29.54	17	5.5	6.9	13	17	0	0	10	10	26
27	67	54	61	7	51	4	0		0	T	0	29.49	25	1.3	4.3	9	17	490	55	8	8	27
28	68	50	59	4	49	7	0		0	0	0	29.62	25	1.9	3.8	8	30	548	62	9	7	28
29	69	45*	57	3	48	8	0	2	0	0	0	29.88	28	1.6	3.6	8	30	508	58	4	4	29
30	66	46	56	3	49	9	0	2	0	0	0	30.00	23	1.9	5.5	8	27	559	64	0	1	30
31	58	46	52*	-1	48	13	0	2	0	0	0	30.02	20	2.3	3.5	7	19	167	19	10	9	31
	SUM 2080	SUM 1655				TOTAL 144	TOTAL 3	NUMBER OF DAYS		TOTAL 1.35	TOTAL 0	FOR THE MONTH 29.84	20	1.91	6.3	24	15	TOTAL 11055	% FOR MONTH 258	SUM 1249		
	AVG. 67.1	AVG. 53.4	AVG. 60.3	DEP. 4.4	AVG. 53	DEP. -138	DEP. 3	PRECIPITATION .01 INCH OR MORE	10	-0.97								DATE	10+	POSSIBLE MONTH 25296	38	AVG. 8.3	AVG. 8.0
						SEASON TO DATE		SNOW, ICE PELLETS .1 INCH OR MORE	0														
	NUMBER OF DAYS MAXIMUM TEMP.		MINIMUM TEMP.			TOTAL 219	TOTAL 11	THUNDERSTORMS	0	GREATEST IN 24 HOURS AND DATES				SNOW, ICE PELLETS			GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE AND DATE					
	≤ 32°		≤ 32°		≤ 0°	DEP.	DEP.	HEAVY FOG	4	PRECIPITATION .43		SNOW, ICE PELLETS 0		12-13			0					
	9		0		0	-243	11	OTHER 2		PARTLY CLOUDY 3		CLOUDY 26										

MAXIMUM 12 hr. Dew point for Period of Record 1950-1980

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
T TRACE AMOUNT
- ALSO ON AN EARLIER DATE, OR DATES.
HEAVY FOG - VISIBILITY 1/4 MILE OR LESS.
FIGURES FOR WIND DIRECTIONS ARE TENS OF DEGREES CLOCKWISE FROM TRUE NORTH. 00 = CALM.
DATA IN COLS. 6 AND 12-15 ARE BASED ON 7 OR MORE OBSERVATIONS PER DAY AT 3-HOUR INTERVALS.
FASTEST MILE WIND SPEEDS ARE FASTEST OBSERVED ONE-MINUTE VALUES WHEN DIRECTIONS ARE IN TENS OF DEGREES. THE / WITH THE DIRECTION INDICATES PEAK GUST SPEED.
ANY ERRORS DETECTED WILL BE CORRECTED AND CHANGES IN SUMMARY DATA WILL BE ANNOTATED IN THE ANNUAL SUMMARY

SUMMARY BY HOURS

HOUR LOCAL TIME	AVERAGES SKY COVER TENTHS	STATION PRESSURE IN.	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW PT. °F	RELATIVE HUMIDITY %	WIND SPEED M.P.H.	RESULTANT WIND DIRECTION	RESULTANT WIND SPEED M.P.H.
02	9	29.84	56	54	53	87	4.7	17	1.8
05	9	29.84	56	54	53	89	4.0	15	1.2
08	9	29.85	59	56	53	82	6.3	08	.1
11	8	29.85	63	57	53	72	7.5	28	1.8
14	8	29.84	65	58	53	67	8.6	25	2.0
17	8	29.83	64	58	54	70	8.2	21	4.5
20	8	29.83	60	58	53	80	6.4	18	4.6
23	7	29.84	58	55	53	85	4.6	16	3.3

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

DATE	A. M. HOUR ENDING AT 1	2	3	4	5	6	7	8	9	10	11	12	P. M. HOUR ENDING AT 1	2	3	4	5	6	7	8	9	10	11	12	DATE
1				T			T	T	T		T	.02	.04	.03	.01	T	T					T			1
2										T													T	.02	2
3	T	T	T																						3
4		T	T	.02	.04	.01	.07	.09	.08	.01	T	T	T												4
5																									5
6																			T	T	T	T	T	T	6
7	.01	T	T	T	T																				7
8											T	T									.01	.03	.01	.01	8
9	T	.02	T	T																					9
10				.01	.01	T																			10
11																									11
12															T	T	.03	T	T	.02	.03	.02	.04	.13	12
13	.07	.03	.04	.02	T				T																13
14		T		T	.02	.01	T		T	.01	.01	.01	.01	T	.01	T	.01	.02	T	.01	.01	T	.01	T	14
15	T	T																							15
16																					T	T	T		16
17		T	.03	.03	.02	.04	.04	.01	.02	.02										T	.01	.01			17
18																									18
19																									19
20																									20
21																									21
22																									22
23																									23
24							T	T	T	T	T												T	T	24
25																									25
26	T																								26
27			T	T	T																				27
28																									28
29																									29
30																									30
31																									31

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I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC CENTER, ASHEVILLE, NORTH CAROLINA 28801.

noaa NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION / ENVIRONMENTAL DATA SERVICE

Daniel B. Mitchell
DIRECTOR, NATIONAL CLIMATIC CENTER

USCOMM--NOAA--ASHEVILLE 09/20/77 400

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER (TENTHS)	CEILING (HUNDREDS OF FEET)	VISIBILITY (STATUTE MILES)	WEATHER	TEMPERATURE (°F)			PRES. (MB)	WIND	
					AIR	WET BULB	DEW PT.		DIR	SPEED (KNOTS)
DAY 01										
02	10	65	20		56	54	52	87	20	3
05	10	65	80		57	54	52	83	16	4
08	10	60	80	R-	56	54	53	90	04	4
11	10	120	80		63	57	53	70	02	8
14	8	90	80		66	57	50	57	03	8
17	10	100	80		69	57	48	47	20	10
20	10	45	80		65	56	48	56	16	7
23	3	UNL	20		61	54	48	65	15	13
DAY 02										
02	7	200	20		57	54	51	80	05	3
05	10	UNL	80		55	51	48	77	00	0
08	10	200	80		61	54	47	60	00	0
11	10	60	30	R	60	55	51	72	00	0
14	10	50	20	R	60	55	51	72	01	4
17	10	100	60		62	57	54	75	03	4
20	10	100	80		60	56	54	87	23	3
23	10	80	20		58	56	55	80	00	0
DAY 03										
02	10	100	20	R	57	56	55	83	00	0
05	10	130	80		56	55	54	83	00	0
08	10	110	80		58	56	55	90	01	4
11	10	770	80		59	62	58	68	28	10
14	9	700	80		66	61	56	63	16	13
17	10	130	80		65	58	55	70	17	20
20	10	75	80		64	58	56	75	17	18
23	10	75	20		63	58	55	75	15	12
DAY 04										
02	10	90	20	R	62	60	58	87	13	6
05	10	90	30	R	61	60	58	83	17	6
08	10	4	5	RF	59	58	57	83	21	10
11	10	6	10		59	58	57	83	26	13
14	10	17	15		60	57	55	84	24	5
17	10	24	60		61	58	53	75	24	6
20	10	20	80		59	54	50	72	24	7
23	10	28	20		57	53	50	78	21	4
DAY 05										
02	10	33	20		58	53	50	80	19	4
05	10	35	35		55	53	51	88	00	0
08	10	37	35		58	54	51	78	00	0
11	10	150	35		59	54	50	72	31	8
14	10	28	35		60	54	48	67	28	8
17	10	250	80		61	55	50	67	19	4
20	10	110	60		58	55	52	81	28	4
23	10	110	20		53	51	50	80	00	0
DAY 06										
02	9	80	20		54	52	51	80	17	4
05	8	80	80		54	52	50	88	17	7
08	5	UNL	80		58	54	50	78	19	6
11	8	UNL	80		62	55	50	69	03	6
14	10	130	80		67	57	48	63	03	7
17	10	80	80		64	57	51	63	20	5
20	10	60	60	RW	59	56	55	90	23	5
23	10	60	30		58	56	55	90	21	0
DAY 07										
02	10	60	20		58	56	54	87	32	3
05	10	40	35		56	55	54	83	14	4
08	10	65	80		59	55	52	78	08	4
11	10	80	80		60	56	52	75	31	5
14	10	110	80		61	57	54	78	28	7
17	10	100	80		61	56	53	75	23	5
20	10	65	80		58	56	55	80	17	3
23	10	60	20		56	54	51	78	00	0
DAY 08										
02	10	60	20		57	55	54	80	34	5
05	10	60	60		57	54	52	83	28	6
08	10	50	60		60	57	54	81	30	8
11	10	80	60	RW	64	58	53	68	18	13
14	10	80	80		66	58	51	58	17	13
17	10	75	60		63	57	53	70	17	10
20	10	75	60		62	56	51	67	17	11
23	10	70	20	R	58	56	54	80	22	3
DAY 09										
02	10	70	20	R	56	54	54	86	00	0
05	10	90	80		56	55	54	86	36	3
08	9	100	80		61	58	55	81	05	5
11	10	130	80		60	56	52	75	03	5
14	10	70	80		62	57	53	73	05	4
17	10	85	80		62	58	56	81	20	4
20	10	80	80		60	58	57	80	00	0
23	10	85	20		58	57	56	83	00	0
DAY 10										
02	10	85	20		58	57	56	83	02	5
05	9	50	35	RW	56	55	54	86	10	3
08	7	80	80		62	58	56	81	30	10
11	7	UNL	80		67	58	50	55	15	18
14	5	UNL	35		68	57	48	51	18	21
17	6	100	80		65	54	46	54	16	14
20	9	180	80		62	54	48	58	19	14
23	8	110	20		58	53	48	67	18	15
DAY 11										
02	10	75	80		60	53	47	83	19	12
05	9	UNL	80		57	53	48	75	14	12
08	8	80	80		60	55	50	70	00	0
11	8	100	80		67	58	50	55	17	9
14	7	UNL	80		70	59	50	48	16	13
17	6	200	80		67	57	50	53	18	9
20	10	UNL	80		61	54	48	63	18	10
23	3	UNL	20		58	50	41	53	18	10
DAY 12										
02	7	UNL	20		51	50	48	83	22	4
05	8	80	80		54	51	48	83	00	0
08	10	75	80		61	55	50	67	06	4
11	10	180	80		60	54	48	66	04	4
14	10	70	80		63	56	51	65	30	4
17	10	70	80		58	56	54	84	18	11
20	10	70	20	R	58	56	55	80	20	4
23	10	40	10	R	57	56	56	86	01	3
DAY 13										
02	10	1	1	RF	56	56	56	100	03	6
05	10	80	80		55	54	54	86	02	4
08	10	70	60		58	56	55	83	01	5
11	7	79	60		66	61	58	78	00	0
14	8	UNL	60		74	65	59	60	15	14
17	9	90	60		71	64	58	56	17	4
20	8	200	60		66	62	60	81	19	3
23	10	100	20		63	61	60	90	06	6
DAY 14										
02	10	130	20		62	61	60	83	34	9
05	10	80	35	R	61	60	58	83	31	4
08	10	60	60		65	62	60	84	28	8
11	10	24	15	R	61	58	58	80	27	11
14	10	20	8	RF	58	57	57	86	22	10
17	10	7	4	RF	58	57	57	86	24	7
20	10	22	10	RF	56	55	55	86	17	7
23	10	28	7	RF	55	54	54	86	12	7
DAY 15										
02	10	47	7		56	54	53	90	18	4
05	7	40	35		55	54	54	86	00	0
08	5	UNL	80		61	58	55	81	24	3
11	0	UNL	80		65	58	53	65	35	8
14	10	60	80		61	56	53	75	28	8
17	10	70	80		61	56	53	75	29	10
20	10	55	20		59	55	52	78	27	4
23	7	56	20		55	54	53	83	00	0
DAY 16										
02	5	UNL	20		53	52	51	83	00	0
05	8	38	60		54	53	53	86	03	3
08	10	36	60		58	55	53	84	09	4
11	8	UNL	80		68	59	53	59	39	5
14	10	60	80		69	61	55	61	31	4
17	10	80	80		65	62	56	73	27	3
20	10	120	60		61	59	57	87	28	5
23	10	100	20		60	58	58	93	00	0
DAY 17										
02	10	90	10	R	58	58	57	83	00	0
05	10	90	10	R	57	54	54	86	08	5
08	10	80	8	R	57	56	56	86	05	8
11	10	80	80		60	58	58	83	35	8
14	10	55	60		65	61	58	81	34	5
17	9	130	60		70	64	60	71	01	5
20	10	120	20	RW	64	60	57	78	14	5
23	10	55	20		62	61	60	83	00	3
DAY 18										
02	10	80	20		64	60	57	78	18	13
05	8	44	80		63	59	57	81	11	4
08	8	UNL	80		65	61	58	78	16	13
11	8	70	80		67	62	59	76	28	8
14	10	230	80		67	61	57	70	31	7
17	7	48	80		66	61	58	81	22	6
20	8	UNL	80		63	59	58	80	00	0
23	9	UNL	20		58	57	57	86	00	0
DAY 19										
02	9	31	20		59	58	57	83	01	3
05	10	34	60		58	57	57	86	01	3
08	10	40	60		61	59	58	80	20	5
11	9	UNL	60		63	60	58	84	30	8
14	10	110	60		65	62	60	84	31	7
17	9	120	60		63	61	59	87	30	8
20	3	UNL	60		59	58	57	93	23	3
23	10	130	7		58	57	57	86	00	0
DAY 20										
02	0	UNL	20		55	54	54	100	00	0
05	7	UNL	60		53	53	53	100	00	0
08	10	UNL	60		60	57	54	81	05	7
11	0	UNL	60		70	64	60	71	00	0
14	0	UNL	60		75	66	60	60	34	7
17	0	UNL	60		76	68	63	64	30	5
20	0	UNL	60		66	65	64	93	19	5
23	0	UNL	60		60	59	59	97	00	0
DAY 21										
02	0	UNL	20		58	54	53	90	03	4
05	0	UNL	20		54	53	52	93	03	5
08	0	UNL	60		65	60	57	75	04	8
11	0	UNL	60		78	65	58	54	03	10
14	0	UNL	60		80	68	61	52	09	5
17	0	UNL	60		78	68	64	62	17	4
20	0	UNL	60		72	62	54	51	16	8
23	0	UNL	20		71	61	53	53	16	14
DAY 22										
02	0	UNL	20		59	58	58	97	24	6
05	7	UNL	35		57	57	57	100	24	3
08	10	1	0	F	56	56	56	100	22	4
11	10	6	10		58	57	57	96	22	3
14	10	11	10		61	58	57	87	30	7
17	2	UNL	35		62	58	57	84	31	7
20	9	UNL	35		59	58	58	93	26	4
23	6	UNL	20		58	58	58	93	20	3
DAY 23										
02	10	18	20		58	53	48	72	29	4
05	10	18	35		57	54	52	83	30	4
08	10	7	7		57	55	53	87	31	4
11	10	25	15		61	57	55	81	32	4
14	10	18	20		62	57	54	75	30	6
17	10	35	35		63	57	53	70	17	5
20	10	35	35		61	58	53	75	18	11
23	10	20	20		58	56	53	81	14	4
DAY 24										
02	0	UNL	20		59	56	53	75	18	10
05	10	19	20		58	56	53	81	19	7
08	10	14	8		58	55	53	84	24	6
11	10	11	20		60	56	53	78	19	6
14	10	10	20		59	56	53	81	31	5
17	10	15	20		61	57	54	78	30	7
20	10	26	20		60	57	54	81	21	3
23	10	40	20		59	57	55	87	17	4
DAY 25										
02	10	40	20		58	55	52	81	19	3
05	10	26	35		57	55	53	87	22	3
08	10	41	35		60	58	52	75	23	3
11	10	38	35		61	55	51	70	18	3
14	10	42	35		62	57	54	75	28	4
17	10	38	35		61	57	54	78	31	4
20	10	40	20		60	56	53	78	00	0
23	10	24	10	L	58	56	55	90	20	5
DAY 26										
02	10	28	10		57	55	53	87	18	4
05	10	33	7		57	54	52	83	18	6
08	10	43	7		58	54	51	78	17	10
11	10	44	10		60	55	50	70	18	9
14	10	48	10		60	55	51	72	16	6
17	10	40	15		60	55	51	72	17	5
20	10	38	15		57	54	52	83	04	5
23	10	40	15		56	53	51	83	23	3
DAY 27										
02	10	38	15		56	53	51	83	19	4
05	10	45	35		56	53	51	83	00	0
08	10	65	35		57	54	51	80	02	4
11	10	80	35		63	55	49	63	01	5
14	10	80	35		65	57	51	61	30	4
17	10	80	35		66	57	49	54	24	6
20	10	80	40		63	56	52	75	22	3
23	10	80	40		58	55	52	81	17	4
DAY 28										
02	7	70	20		55	53	51	86	18	4
05	8	37	10		54	52	50	86	20	3
08	10	10	10		56	53	51	83	00	0
11	10	UNL	20		61	53	48	58	02	3
14	10	UNL	35		62	54	48	60	28	5
17	8	UNL	35		65	57	50	59	28	4
20	4	UNL	35		64	52	50	66	21	0
23	7	UNL	20		51	48	45	80	00	0
DAY 29										
02	8	50	20	F	48	45	42	80	00	0
05	10	4	0	F	51	48	45	80	00	0
08	10	6	3	F	55	53	51	86	18	4
11	1	UNL	4	F	61	56	52	72	30	5
14	3	UNL	4	F	69	57	47	46	31	6
17	0	UNL	10		66	58	52	61	28	4
20	0	UNL	10		55	50	47	80	20	3
23	0	UNL	10		55	48	45	77	06	3
DAY 30										
02	0	UNL	10		52	50	48	86	00	0
05	0	UNL	20		49	47	45	86	00	0
08	1	UNL	20		58	55	48	72	17	7
11	0	UNL	6	RW	63	57	52	68	29	6
14	0	UNL	5	RW	64	56	47	51	28	5
17	0	UNL	5	RW	64	55	48	56	27	7
20	0	UNL	5	RW	56	51	48	80	23	4
23	0	UNL	5	R	55	53	52	90	11	5
DAY 31										
02	7	UNL	5	F	47	46	45	93	23	3
05	10	7	4	F	52	50	48	90	22	3
08	10	4	5	F	53	51	48	86	04	3
11	10	8	5	F	54	51	48	83	20	4
14	10	13	5	F	57	52	48	72	16	5
17	10	13	7	F	58	53	48	72	22	5
20	10	15	5	F	54	51	48	83	00	0
23	10	33	12		51	49	46	90	00	0

STATION: ANCHORAGE ALASKA

YEAR & MONTH: 77 08

NOTES

CEILING
UNL (UNLIMITED UNLIMITED)

WEATHER

+	TORNADO
T	THUNDERSTORM
Q	SQUALL
R	RAIN
RW	RAIN SHOWERS
ZR	FREEZING RAIN
L	DRIZZLE
ZL	FREEZING DRIZZLE
S	SNOW
SP	SNOW PELLETS
IC	ICE CRYSTALS
SW	SNOW SHOWERS
SG	SNOW GRAINS
IP	ICE PELLETS
H	HAIL
F	FOG
IF	ICE FOG
OF	OROGRAPHIC FOG
BD	BLOWING DUST
BN	BLOWING SAND
BS	BLOWING SNOW
BY	BLOWING SPRAY
K	SMOKE
H	HAZE
D	DUST

WIND

DIRECTIONS ARE THOSE FROM WHICH THE WIND BLOWS. INDICATED IN TENS OF DEGREES FROM TRUE NORTH; I.E., 09 FOR EAST, 18 FOR SOUTH, 27 FOR WEST. ENTRY OF 00 IN THE DIRECTION COLUMN INDICATES CALM.

SPEED IS EXPRESSED IN KNOTS; MULTIPLY BY 1.15 TO CONVERT TO MILES PER HOUR.

U.S. DEPARTMENT OF COMMERCE
NATIONAL CLIMATIC CENTER
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

AN EQUAL OPPORTUNITY EMPLOYER

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FIRST CLASS

15-12-340

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ENGINEERS
GEOLOGISTS
PLANNERS
SURVEYORS

June 5, 1981

R&M No. 052302

Project Manager
Susitna Hydroelectric Project
Acres American Incorporated
Liberty Bank Building
Main @ Court
Buffalo, New York 14202

Attention: Mr. Dave Crawford

Re: PMF Climate Data

Dear Dave:

As per our letter on April 3, 1981, concerning the retrieval of PMF climate data, we are enclosing the following information:

(a) Streamflow data for the Susitna River at Gold Creek for the five maximum peaks of record for the spring event (May-July) and the summer event (August-September).

(b) Antecedent precipitation data (before and during) for the corresponding spring and summer events listed above, from the eight National Weather Service climate stations listed in the April 3rd letter.

(c) The monthly maximum 12-hour persisting dewpoint temperature at Anchorage for May through September.

Definition of the maximum rising rate of temperatures for each of the eight National Weather Service has been started. However, we have inadequate data to send you at this time. To expedite setting up the SSARR model, I am sending two reports by the National Weather Service on the probable maximum precipitation for the Bradley Lake Basin on the Kenai Peninsula, approximately 220 miles to the south of Devil Canyon. There is information on temperatures before, during and after the probable maximum storm on Page 11 and Figure 6 of "Study of Probable Maximum Precipitation for Bradley Lake Basin, Alaska". These reports were reviewed by the National Weather Service in 1979 for the U.S. Army, Corps of Engineer, and found to be still appropriate for the Kenai Peninsula. While the storm was derived for a coastal regime, the temperature data may be usable as initial values in your study. Meanwhile, we will continue to retrieve the temperature data.

15-12-36

Also enclosed are copies of several papers from my files which may assist you in setting up the SSARR model. Included are research reports on runoff, heat balance during the snowmelt season, evaporation, solar radiation and transposition of hydrologic data for Alaska.

If there are any questions, please feel free to call me.

Very truly yours,

R&M CONSULTANTS, INC.

Stephen Bredthauer

Stephen Bredthauer, P.E.
Senior Civil Engineer

SB/kap

15-12-362

DAILY PRECIPITATION

Station	Total	Day of Month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
SOUTHEASTERN 01																																
ANGOON	1.69	T								.25	.18					.21	.36	.34	.23		.03						T	T		T	.69	
ANNETTE AP AIRPORT	2.23		T	T	T				T	T	.82	T	.82	T		.18	.18	.69	.14	.32	.01	.20	.84	T		.82	.60	T	.13	T		
ANNEX CREEK	1.69									.81		.08	.04			.21	.48	.61	.31	.01	.21							.82				
BAKE BAY	2.53									.83	.35	.09	.11	.05		.04	.41	.01	.71		.01							.83	.61		.69	
BEAVER FALLS	4.24									.16	.18	.90	1.08	.02		.15	.06	.39	.28	.38	.16	.11	T	.16			.13	.38	.07	T	.28	
CAPE DECISION	1.68									.16	.15					.69	.21	.18				T					.18		.02	.19		
CAPE SPENCER	1.24	.87									.09					.12	.23	.33	.11		.02							.11				
ELDRED ROCK	.84										T	.03	.01	T			.11	.33	.01	.02	.08	T						.29		T		
FIVE FINGER LIGHT STA	2.18				.69					.25	.29	.18	.09			.18	.23	.46				.69					.18	.09	.08	.18		
GLACIER BAY	.98	.01								.16	.03	.02	.04			.13	.25	.25	.07		T							T				
GUARD ISLAND	1.67			T				T	T	.28	.13	.03	.06			.16	.18	.22	.22	.16	.04		.09	.03			.25	.01	.07	.02		
GUSTAVUS FAA	1.11	T								.19	.02	.02	.13			.07	.17	.11	.13									.27				
HAINES TERMINAL	.59											.07					.13	.16			.15							.04			T	
JUNEAU NO 2	1.00									T			T				.03	.07	.38								T	T				
JUNEAU WB AIRPORT	1.74	T				T				T	.02	.04	.08			.13	.24	.12	.34	T	.03			T			.27	.24		T		
JUNEAU 4 NW	2.37									.38	.02	.05	.05			.03	.34	0	.75		.01						.04	.15			.03	
KETCHIKAN	5.48									.33	.26	.16	.07			.20	.16	1.67	.09	.26	.38	.08		.09			.09	.26	.26			
LINCOLN ROCK LIGHT STA	.84									.03	.02					.17	.16	.24	.02				.18				.03		T	.07		
LINGER LONGER	1.28									T		T					.42	.04	.17		.34							.02	.07			
LITTLE PORT WALTER	4.13									.98	.16	.00	.13			.48	.35	.26	.32	.01	.02						.18		.01	.19		
PETERSBURG	3.57				T	T				.44	.17	.11	.34	T		.21	.22	.27	.26	.23	.01		.21				.13	.17	.28	.38	.02	
POINT RETREAT LGHT STA	1.39									.19	.08		T			.15	.36	.14	.26									.12			.07	
SITKA FAA	2.27	T			T					.03	.12	.03	.05			1.78	.06	.14	.15	T	.03	T	T				.17		.11	.17	.01	
SITKA MAGNETIC	1.11									.04	T	.07	.03				.16	.04	.32	T	T	T				.01				.08	.16		
SKAGWAY NO. 2	.68																.18			.19	.51						.01	.07			.02	
SHETTISHAM PROJECT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TRAITORS COVE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TREE POINT LIGHT STA	2.20				T					.34	.19	T	.10	.10			.44	.42	.10	.04	.19											
WRANGELL	2.68				T	.01				.04	.07	T	.12	-		.27	.17	.14	.23	.08	.18		.26	.06			.22	.01	.03			
SOUTH COAST 02																																
CAPE HINCHINBROOK	2.17	.29	T					.29	.01	.10	.18	.02	T	.28	T		.27	.85	.18		T	T						T				
CAPE ST ELIAS	1.30	.15	T		T	T		T	T	.11	.02	.11	.03	T	.02		.84	.16			.06											
COOPER LAKE PROJECT	1.00	.18	.14									.03	T	.03	T			.13	.01	.09	.22	.09	T					.15	.15	.14		
CORDOVA ELAM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CORDOVA FAA AP /YR	2.15	.12			.03	.11	T	.01	.07	.07	T	.36	.08	.03	.01		.30	.24	.13	.11	.02	T		T			T	T	.01	.09		
KARLUK LAKE NO 2	.78	.16	.07	.09	.01							.01	.04	.09	.01							.12	.03	.09						.18		
LITOI BAY	3.29	.21	.26		.05	T	T	.14	.78	.32	.18	.01	.26	.72	.02	.39	.02	.21	.02			T		.04			T					
KODIAK NAS	8.59	.37	T	.03	.05	.04	.01	1.14	.64	2.31	1.06	.23	.94	.38	T	.05	T	T	.03			T		.20	.32	.47			T	T	.04	
LARSEN BAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OLSEN BAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SEWARD	.68	T	.04		.02	T			.15	.02		.04	T	.10	.09		.04	.08	.01		T	.05		T				.02			T	
SITKINAK	1.80	.31	.07	.07	.01		.04	.28	.06	.02		.09	.01	.28	.02		.04							.20	.18	.24					.18	
VALDEZ AIRPORT	2.03										.04						.04					.09					.32	.35				
WHITTIER	-		.22						.10	.11	.21	.27	.23	.38	.15			.28														
YAKATAGA FAA	1.18	.08							.01	T		.17	T	T	.01		.46	.34	.06		.02			.02			.02	T				
YAKUTAT WB AIRPORT	1.84	.15	T		T	.01		T	T	.03	.11	.19	.03	T		.02	.33	.12	.03	.13	.37						.01	.15				
SOUTHWESTERN ISLANDS 03																																
ADAK	1.36	.07	T	.03	T	T	.04	T	.32	.05	.20		T	.01	.04	.31	.01		.03	.01	T	.03	T	T	T	T	T		T	T	.01	
ATTU	2.18	.05		.04	.18	.03	.02	.28	.48	.04					.01	.31	.01	.67	.03	.14	.28	.04							.02	T	.02	
CAPE SARICHEF LGHT STA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
COLD BAY WB AP	.78	.01	T	T	T		.04	T	T	T			.66	T	.03	.12	.03	.04	.01		T	.01	T	.01	.24	T	T	.04	.02	T	.13	
ST PAUL ISLAND WB AP	.35	T	.05	.02		T	.01	.01	T	T		.03	T	.04	.04	.37	.06		T	T	T	T	T	.01	T	T	.01	T	T	T		
SHEMYA WB AP	.69	.03	.05	.37	.05	T	.15	.26	.07	.01	T	T	.31	T	T	.31	T	.12	.03	.33	.10	.01	T	.01	T	T	.01		.01	T	T		
UNIMAK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COPPER RIVER 04																																
CHITINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COPPER VALLEY SCHOOL	2.17	.13	T	.02	.24	.03						.15						.25	.28	.34				.18	.01			.11		.29		
EKLUTNA LAKE	1.65									.25	.09				T				.15		.55				.10			.10	.03	.10		
EUREKA	2.40	.16	T	.10	.07	.12	.19				T	.23	.11	.26				.13	.12	.14			T	.22			.18	.10	.03	.10		
GLENNALLEN KCAM	2.19	.11		T	.16	.07	T	.12				.28	.01	.01				.16	.04	.39	.01	.05	.44	T	.01		.21	.35	.03	.02		
GULKANA FAA	1.62	.39		.11	T	.36						.21	T	T			T	.22	.28	.16	.03	.03	.06				.23	.11		.09		
WRANGELL	-	-	-	-	.11	T	.12				T	.33	.19	.06		.00	.22	.13	.23		T			.11	.10		.17	.10	.13			
KENNEY LAKE	1.15					.29											.40			.10									.40			
MAY CREEK	1.18	.46					.31	.06				T		.03			.13	T	.33	.03	.02							.04	.01	.03		
PAXSON	1.80											.06	.04				.23	.45						.16	.26			.18				
SLANA	2.79			.41	.13							.30							T	1.32			T	.45			.18		T			
SNOWSHOE LAKE	2.26	.12		T	.06	.09	T					.25	.01	.30				T	.18	.22	.26	T	.19	.01				.53	.04			
THOMPSON PASS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
TWIN LAKE LODGE	2.92					.12						.78	.79					.41	.36		.03									.28		
COOK INLET 05																																
ADULT CONSERVATION CMP	1.18		T		T							.16	.24		T				.09			.26		.29			.20	T		T		
ALPINE INN	-	-	-	-	-	-	-							.02				T	T	.04		.21		.28	T		T	.31		.02	T	
ALYESKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ANCHORAGE PARK STRIP	.46	.04	.06	T	.03					T		.04	T				T	T	T	T	.17	T		.06			.04	.02				
ANCHORAGE WB AIRPORT	.27	.01	.01		.04	T		T	T	T	T	.02	T	T	T	T	T	T	T	T	.07	T		.04			.05	T				
BENBOW	-	-	-	-	-	-	-				T	.16	.05		T		T		.01	.27	.03	.29		.12			.27	.09	.01	.05	.01	
BIRCH ROAD	.79		.18									.03		T					T	T	.33	.04		.06			.07	.11			.01	
CAMPBELL PARK SCHOOL	.28	T		.18	.04	.02							.07	.05		T		T														
EKLUTNA PROJECT	2.22	.08	.05		.02	.01						.42	.24	T	T	T			.01	.25	.02	.16	.01	.16	T		.08	.06	T	.03	.02	
ELMENDORF A F BASE	.59	.08	.06		.02				T	T		.06	T	T			.01	T	T	T	.09	.11	T	.05			.06	.02	T		.02	
GIRDWOOD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HIGH CAVE LODGE	2.64		.12				.32	.01		T	.62																					
HOMER FAA	.78	.07	.13	T	.06	.03	T	T	.03	T	T	T		T	.24	T	.32	T	.01	.30		.03		.31		.50		.33			.03		
HOMER 5 NW	.92	.02	.16	.04	.03				.28	.01	.03	.01				.05			.16	T				.08				.03	.01			
KASILOF	.61	.20	.19	.18	T				.03			.05				T			.15	T				.05					.04			
KENAI FAA	.36	T	.11	T	T	T			T	T	T	.07				T	.36	.10	T		T	.02					T			T		
KATALLA AGR EXP STA	1.10	.02	.04									.38	.07						.07			.27		.16				.14		.07		
MC KINLEY VIEW	2.38	.01	.16			.12			.04			.36		.12	.22		.02	.01	.02			.11		.17	.02		.36	.02				
MOOSE RUN FF RICH. GC	.17	.04	.04		.09							.04							T		.01	.11	.02	.04			.05	.04	.03		.03	
NINILCHIK	.87	.03	.08		0	0	.06		.08		.01	0	0	.09	.06	.01	.01	.78				.09		.04			.03					
PALMER AAES	.63	T		.07	T	.03							.02				T	T		.08		.19		.01	.11			.16	.02		T	
PALMER 1 S	.78	.02	.35			.01						.28	.02						.01	.04		.17	.01				.10	.08		.01	.21	
PORTAGE	.24	T	.12		T														.22			T					T					
SKILAK	.98	.25	.10		T			T		.04	T		.24	T	T			.16					.09				T		.12			
SOUTH FORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SUMMIT NIKE SITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TALKEETNA FAA AIRPORT	1.14	.21	.14		.05	.02		T	T	T		T	.10	.15	.12	T	.34	.15		T	.06			.11			.12	.07			T	
TYONEK	.68	.03	.14		.04							.03		T				.11	.39			.11						.14				
WASILLA 3 S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WASILLA NO 2	1.67	.36	.06		T					.10	.05			.04			.01	.33			.24	T	.18	T		.25	.09					
WILLOW TRACTING POST	1.06	.12			T			T	.06	.14	.24		.15		T		T				.10		.12			.15					

See Reference Notes Following Station Index

Susitna R. @ Gold Cr.

June - 6 - 1966 58,400

15-12-363

DAILY PRECIPITATION

Continued

ALASKA JUNE 1966

Station	Total	Day of Month																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
• • •																															
BRISTOL BAY 06																															
ALEKNAGIK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BROOKS LAKE	.84		.21												.17	.84	T		.21	.07	T		.03	.18				.09	.11	.01	
CAPE NEWENHAM	.81	T		T		T									.02	.11	.84	.13	.13				T	T	.10	.01	T	.01	T	.01	.01	
DILLINGHAM	1.60		.11	.13	.13	.17			.16			.15	.12	.02	.05	.06		.03					.04	.22	.37	.04	.11	.09		.07	.05	
ILIAMNA FAA	.99	.06	.03	T					.16	T	.04		T	T	T		T	.12	.19				T	T	.07			T		T	
IMMIGRATE BAY	.65	.12	.01	T		.02				.01	.01	T						.23	.04				.02	T				.19			
KING SALMON WB AP //A	.99	.20	.06	T	T			T	T	T	T	.29	.01	.06	.11	T	.06	.04	.04				T	T			T	.09	T	T	.01	T
PORT ALSWORTH	.67	.07																	.46												
PORT HEIDEN	.10	T														.16		T			T				T						
• • •																															
WEST CENTRAL 07																															
AMIAK FAA	.63	.03	.06		T	.01	T	.01		T	.08	.01	.03	T	T	.15							.02	.01	T			.22		T	T	
BETHEL WB AIRPORT 6	.99	.03	T	T	T	.03	T				.36	.23	.02	.14	.09													.06	T	T	T	T
CAPE ROMANZOF	.63	.14		T	T	-	T	T	.04		T	T	T	.03	.28	T	T	T	.02	T	T	T	T			T	.04	T	T	.02	T	
HOLY CROSS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROSES POINT FAA	.94		.08		T	T	T	T		T				.01	.09	.02		T			T	T				.29	.47	T	T	.01	.01	
ROME WB AIRPORT 8	.72	T	.09		T	T				T				.01	.13	.01				T		T	T	T	T	.02	T		.29	.14	.02	
NORTHEAST CAPE	.36	T	T		.02			T	T						.04	.16	T	T		.01	T		T	T	T	T	.01	.12	.01	.02	T	
NUNIVAK	.72						.09								.04	.20	.33														.03	
UNALAKLEET FAA	.90		.12		T	T	T			.09		T		.09	.04	.17	T		T	T	T	.01	T			.03	.31	.01	T		.02	
WALES AIRPORT	.61		.12			.02		T							.02											.02			.10	.13	T	
• • •																															
INTERIOR BASIN 08																															
ALLAKAKET	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BETTLES FAA AIRPORT	1.23		T	T		.13		.04	.21	.03	.01	T			.26			.87						.01		.01	T	T			T	
BIG DELTA FAA	2.55		.04	T				T		T		.77	.07	.19		T	T	.08	.94	T	T			.03	T		.47	T			T	
CANYON VILLAGE	.72									.07				.04	.13		T	.04	.07					T		T	.12	.28	T			
CENTRAL NO 2 //	1.98	.01										.15		.34	.34				.09	.34	.23				.09			.11				
CHALKYITSIK	3.06							T				.04	.04	.79	T	T	T	1.71	.10							T	.04	.13	.12			
CHENA HOT SPRINGS	1.13												.03	.05					.05	.01					.08			.28	.01			
CIRCLE HOT SPRINGS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLEAR AIRPORT	1.15			.09			.01						.13	.18					.49			.11						.05	.08			
CLEAR WATER	2.93										.18	.75	.04	.28				.19	.49	.17				.18	.02			.48				
COLLEEN RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLLEGE FAA OBSV	1.16											.03	.52						.38					.06			.03	.02			.02	
EIELSON FIELD	1.29		T	.04		T				T	T	.12	.06	.01	T	.03	T	.19	.33	T		.37	T	T		T	.11	T			.01	
FAIRBANKS WB AIRPORT 8	.19			T		T					.02	T	.03	T			T	T	.28	T	T	.01	T			T	.04				.01	
FAREWELL FAA	2.71		.18		T	.01					T	.19	.07	T	.04	T		.08	.27	T	T	.11	.13	.18	.29		.13	.09		.02	.19	
FORT YUKON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GALENA	.76		.13		T		.07		.04	.05	T	T	.04	.02	T	T										.33	.32					
GILMORE CREEK	1.35				.06		.05				.17	.03		.03		.05			.38			.18		.17			.04	.39			T	
HUGHES	.08							T			.08							T							T							
LAKE MINCHUMINA FAA	1.08		.02		T	.02			.04			.12	.11	.17	T	.03	T	.03	.07		T	.04	.11	.03			.27			T		
LIVENGOOD //	.62												.09					.21		T	.03		.17		.04	.03		.04			
MANOOREN LAKE	3.14	T		.23	T	T				T	T	.08	T	.35					1.16	.35	.27		T	.29	T		.15	.19			T	
RAMLEY HOT SPRINGS	.37										T			.03	.03	.04			.04				.04	.05			.14				
RC GRATH WB AIRPORT 8	.86	.02	.01			T	.18	T	.01		T	.36	.04	.04	.03						.01		T	T			.10				
RC KINLEY PARK	2.36		.06								.07	.02	.07	.13		.08			.95		T	.08					.18	.24			
NENANA FAA	.98		T	T					T	T		.17	.28				T	.03	.19				.03	T			.30				
NORTHWAY FAA AP	1.31	T		.44				T		T		.15	.20	T	T		.04	.07		.36	T			.02			.02	.01		T	
RAMPART NO 2	-	-	-	-	-	-	-	-	-	-	-	-	-	.09	.12	.05	.35		.32							.10					
SUMMIT FAA	1.49		.01	T							T	.13	.29				T	.06	.35			T	T	.28		T	.04				
TANANA FAA	1.09			T		.09	T	T			T	.10	.01	.24	.04			.53					T			.01	.02			.01		
THE GRACIOUS HOUSE	1.27			.02			T				.01	.21	.15	.18	.09	T	T	.29	.76			.01		.08	.02		.27	.18		.04		
TOK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
TOKLAT CAMP	1.72			.07										.07	T	T			.37	.04	.32	.04			.07	.14		.02	.24			
UNIVERSITY EXP STATION	1.12				T							.03	.31	.04			T		.46				.03	.03			.09				.06
VENETIE //	.18															.02						.01	.02			.11					
WILD LAKE NO 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
• • •																															
ARCTIC DRAINAGE 09																															
BARROW WB AIRPORT //6	.35							T		T	.03	T	.01			T	T		T	T			T	.02	T	T	T	T	.30	.01	T	
BARTER ISLAND WB AP 6	.72							T	.02	T	T		.03	.01				T					T		.60		T				T	
KOBUK	.61		.06	.06				.04			.11				.21	.22										.09	T					
KOTZEBUE WB AIRPORT //6	.18		.01			T		T		T	.02				T	T	-	-	T	-	-	-	-	-	T	.06			.08	.01	T	
WAINWRIGHT	-										-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

EVAPORATION AND WIND

Station		Day Of Month																													Total or Avg.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
• • •																																	
COOK INLET 05																																	
MATANUSKA AGR EXP STA	EVAP	.10	.09	.17	.11	.19	.21	.08	.18	.18	.18	.07	.08	.15	.21	.18	.12	.16	.11	.13	.17	.07	-	-	.14	.05	*	.35	.19	.13	.09		4.088
	WIND	20	17	47	34	51	*	71	48	35	46	28	28	57	67	68	33	57	62	35	36	48	33	6	-	-	-	-	-	-	-		11808
• • •																																	
INTERIOR BASIN 08																																	
CANYON VILLAGE	EVAP	-	-	-	-	.23	.29	.26	.27	.19	.23	.28	.25	.17	.10	.19	.14	.19	.02	.18	.23	.26	.19	.20	.24	.12	.07	.16	.18	.21	.24		5.768
	WIND	-	-	-	-	15	29	47	28	26	18	17	22	32	19	19	23	35	13	23	33	13	18	24	46	45	24	15	7	13	22		7225
	MAX	-	-	-	-	78	78	80	84	83	87	87	80	82	81	83	83	85	84	76	85	81	84	82	81	79	76	86	79	83	93		82.0
	MIN	-	-	-	-	50	56	51	52	53	59	64	57	61	60	58	60	57	59	56	49	49	59	60	56	54	49	47	54	57	57		55.5
CENTRAL NO 2	EVAP	-	-	-	-	-	-	-	.07	.12	.24	.19	.18	.07	.06	.23	.09	.16	.05	.09	.14	.18	.15	.12	.17	.22	.21	.02	.13	.19	.14		4.208
	MAX	-	-	-	-	-	-	-	-	-	-	-	81	77	69	77	75	81	74	73	75	81	82	76	76	74	77	68	73	82	73		-
	MIN	-	-	-	-	-	-	-	-	-	-	-	64	64	62	63	55	59	62	58	58	57	61	60	62	62	55	56	56	67	61		0
RAMPART NO 2	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.11	.18	.17	.19	.17	.20	.10	.12	.20	.25	.22	.10	.10	.10	.25	.12		0
	WIND	-	-	-	-	-	-	-	-	-	-	-	8	8	27	14	26	20	32	37	18	5	25	25	36	46	44	7	5	11	13		0
	MAX	-	-	-	-	-	-	-	-	-	-	-	66	65	-	-	70	67	75	73	71	74	72	77	66	54	65	73	75	72	76		0
	MIN	-	-	-	-	-	-	-	-	-	-	-	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		0
UNIVERSITY EXP STATION	EVAP	.20	.23	.14	.21	.22	.18	.28	.27	.11	.24	.19	.18	.04	.13	.20	.21	.15	.16	.23	.15	.17	.19	.21	.29	.21	.08	.14	.17	.19	.17		5.55
	WIND	51	50	29	37	39	38	42	35	42	39	36	26	18	21	22	29	29	43	38	19	30	24	24	35	30	23	17	35	28	19		946
	MAX	75	73	76	83	80	85	86	86	80	85	85	82	75	83	79	82	77	74	81	77	80	79	83	81	77	66	74	84	83	86		79.8
	MIN	43	47	54	49	52	51	53	54	54	52	56	58	60	52	56	51	53	57	53	59	53	54	56	58	58	51	51	46	52	59		53.4
VENETIE	EVAP	.09	.03	.15	.06	-	.15	.11	-	.18	.06	.04	.09	.06	.01	.06	-	.54	.04	.16	.11	.08	.16	-	-	.04	.10	*	*	.60	.19		3.548
	WIND	41	65	29	32	13	35	44	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82	80	75	76	76	77	75	58	69	73	75	73	75		-
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	57	56	56	61	56	53	50	47	52	55	62	65		0

MATANUSKA AGR EXP STA - PAN PAINTED INSIDE WITH ALUMINUM PAINT.
UNIVERSITY EXP STATION - PAN PAINTED INSIDE AND AOUTSIDE WITH ALUMINUM PAINT.

15-12-354

DAILY PRECIPITATION

ALASKA
JUNE 1972

Station	Total	Day of Month																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
SOUTHEASTERN																																
01																																
ANGOON	2.16	.27	.06	.17	.67	.92	.24	.18	.18	.83		.17	.29	T	.02	.14				.91						.22	.23	.10	.03	.26	.01	
ANNETTE WSO AP B	4.59	.16	.47	.09	1.12	.88	.12				T	.44	.16	.88	.09	T	.14							.03	T	T	.35	.27	.10	.03			
ANNEX CREEK	3.23	.11	1.36	.23	.35	.21	T	.26				.39				.36	.03	.73									.27	.30		.49			
AUKE BAY	4.92	.05	.20	.12	.01	.35	.21	.24	.02	.11		T	.01			.37	.07	.44	.09	.81				T	.48	.27	.24		.46	.72			
BEAVER FALLS	6.40	.37	.69	.98	.32	.78	.24	.11	.26			.29	.42	.88		.10	.33	.10							.21	.24			.38	.88	.24	.32	.06	
CAPE DECISION	3.34	.10	.19	.23	.32	.97		.46				.18	.18	.05													.29		.19	.20			
CAPE SPENCER	3.99	.11	.88	.73	.19	.29	T	.37				.29	.09															.73	.76	.22		.23		
COFFMAN COVE	5.19	.36	.28	.32	.33	.34	.12	.36	.18			.17	.25	.09	.02	.12	.17	.33	.01	.09				.15	.26	T		.73	.76	.22		.23		
ELDRED ROCK	1.29	.23	T	.05	.11	.11	.31	.21	.02		.68				T	T		.07	T							*	T		.03	.13	.23	.23		
FIVE FINGER LIGHT STA	2.34	.21	.08	.46	.18	.48	.17	T	.18				.32			T					T					.03	.26	T	.20	.38	.25	.08		
GLACIER BAY	2.44	.17	.16	.11	.14	.38	.37	.83	.11			.81				.27	.87		.18							.02	T	.22	.89	.86	.89		
GOOSE COVE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GUSTAVUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HAINES TERMINAL	.82	.04		T	T	.10	.15	.04	T	.02	.01							.42		T					T		T					
HOONAH	-	-	-	-	-	-	-	-	-	-	-	-	T			.18		.12	.03	.02	T				.06	.21	.06	.21	.13	.34	.34	
JUNEAU NO 2	3.39	.07	T	.69	.88	.22	.32	.18	.02	.40						.38	.07	.35	T	.18					.30	.13	.15	.48	.49	.39	.35		
JUNEAU WSO AP B	3.98	.03	.02	.09	.01	.25	.11	T	T	.13		T				.27	.23	.21	T	T				T	.18	.03	.31	1.21	.46	.73	.03		
JUNEAU 9 NW	4.39	T	.07	.25	.13	.62	.12	T		.10						.33	.85				T	T			.29	.28	T	.60	.90	.79	.15		
KAKE	2.34	.10	.10	*	.39	.15	.12	.98	.20		.46		.10	.18												.30						
KETCHIKAN	8.10	.85	.78	.96	1.17	.99	.31	.29	.02	T		.42	.38	.09		.29	.13			.54						.11	.30	.66	.21	.89		
LINGER LONGER	.47	T	.31	.02	.09		.28	T	T	.03						.15		.04									T					
LITTLE PORT WALTER	5.86	.93	.29	1.27	1.32	1.42	.37	.88				.87	.15	.23	.04	.23	.84									.19	.29	.35	.42			
PELICAN	3.58	.17	.79	.22	.43	.16	.02		.28			.24			.28	.12		T	.03	.08					.88		.44	.17	.13	.34	.02		
PETERSBURG	5.90	.36	.45	.75	.33	.83	.28	.34	.26	.02		.44	.11	.03		.09	.08	.17	.02	.09					.22	.35	.04	.37	.33	.31	.26		
POINT RETREAT LGHT STA	3.10			.37	.89	.44	.39	.18				.83				.27	.09	.04	T						T	.28	.28	.22	.30	.32			
SITKA FAA AP	2.69	.02	.06	.38	.15	.46	T	T				.13	.08	.12	T	.13	.22	T	T		T	T		T	.17	.13	.16	.14	.03	.29	.89		
SITKA MAGNETIC OBSV	3.34	.16	.04	.28	.39	.43	.27	T	T	T			.27	.11	T	.20	T	.04	.01	.02	T				.19	.28	.05	.29	.12	.32	.21		
SKAGWAY NO. 2	.08					.04	.02			.39						T		.32	.32						.02							
TENAKEE SPRINGS	2.98		.06	.08	.86	.61	.21	.86	.11			.88	.88			.33	T	.12		.01				.02	.01	.04	T	.28	.21	.37	.04		
WRANGELL	3.12	.25	.16	.32	.39	.67	.28	.39	.05		T	.39	.12	.03	.01	.11	.03	.24	T	.03	.01	T			.01	.06	.31	.02	.32	.72	.28		
SOUTH COAST																																
02																																
CAPE HINCHINBROOK	2.72		.27	.13	.21	.19								.21	.11		.14	.23	.13			.39		.22	.11		.18	.17	.19	.14		
CAPE ST ELIAS	T		T	T		T					T			T			T			T	T	T		T			T	T	T	T		
CHICHIN	6.94															2.40	2.06	.61	.98		.95											
COOPER LAKE PROJECT	1.18	.02	.19	.02	.03	.02	.01	.04				.06	.02									.17		T	.21	.01	T	.09	.12	T	.29		
CORDOVA-MILLAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CORDOVA FAA AP //R	3.61	.04	.02	.02	.13	.12	.01		T	T	T	.31	.02	.11	T		.37	.27	.01		T	.29	T	.29	.18	.06	.01	.04	.74	.27	.02		
HARLEK RIVER	-	-	-	-	-	-	-	-	-		.11	.03		.14	.03	.33	.03	.33		.04	.23	.13	.12		.03	.04	.05			.07	.05		
KITOI BAY	4.49		.62	.09	.11	.17	.11	T		.32	.76	.14	.05	.28	.21	.11	T	.80	T	.04	.20	.18		.22	.21	.17	.22	.04	.01	.01			
KODIAK WAS	2.12	T	.29	T	.02	.23	.01	T		.13	.44	.21	T	.12	T	.08	.16	.10	T		.13	T	T	T		.06	.08	.03	.01	.01	.01		
LARSEN BAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MAC LEOD HARBOR	13.27		.56	2.91	2.29	1.39	.60				.11		.18	T	.48	T	.84	.32	2.12	.62	T	.18	T	.19	.29	.01	.07	.98	.21	.29	.02		
MOOSE PASS	.65																					.29			.20			.10	T	.10		
SEWARD	2.72		.95	.23	.18	.05	.09				.81		.04	.06	.09		.06	.22	.08		T	.20		.18	.13		.05	T	.08	T	.31		
SITKINAK	3.61	.01	.02	.01					.01	1.30	1.34	.29	.03	.02	.02	.29	.05	.03	.02	.09	.29	.03	.04	.21			.13		.34	.33	.04		
VALDEZ	2.78	.01	.23	.24			.18			T								.47	.15	.01		.11		.15	.39			T	.39	.32	T		
YAKUTAT WSO AP B	4.34	.16	.86	.81	.04	.28	.01	.03	.03			.84	.03			.09	.84	.19	.13	.05	.31	.39	T	.14	.11	T	T	.21	.24	.44	.35		
SOUTHEASTERN																																
ISLANDS																																
03																																
DAK	3.02			T	.02	T	.32	.46	.28	T	T	.13	.02	.09	.04	.14	.34	T		.03		.32	.13	.16	.18	.17	.07	T	T	T	T		
ATTU	.68	.13				T	.23	.03	T	.09		T	T			.34	.08	T		T	.01		T		.03							
CAPE SABICHEK	.03																															
COLD BAY WSO AP B	2.91	.39	T	T	.19	.04	.01	T	.44	.17	.12	.24	T	T	T	.10	.03	.37	.43	.37	.28	T		.23	.04	.23	.22	.32	.06		.32		
ST PAUL ISLAND WSO AP B	1.60	.03	T		.10	T	T	.85	.34	T	T	.81	.05	.36	T	.06		T	T	T	T	.32	.13	.01	.04	.07	.04	.01		.01	T		
SHEMYA WSO AP B	2.39	.23		T	.32	T	.09	T	.01	.29	.32	.37	.09	.81	T	.01	T	T		T	T	.31	T	.04	.02	T			T	T		
COPPER RIVER																																
04																																
CHISANA	1.42	.31					.20		.23								.22									.01	.10	.40	.23	.02		
COPPER CENTER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FALCHINA LAKE //	.73							.88									.16		.83		T	.08		.28	T			.03	.14	.38	.87		
ERNESTINE	1.88	.05	T							.03			.04	.02	.01	.02	.31								.31			.17	.42				
GAKONA 1 W	1.71						T	.28	T	T							.68	T							.20			.18	.37	.16	T		
GLENNALLEN	1.48	.08						.33		T						.02	.28								.03				.19	.48	.18		
GULKANA WSO	.37					T	.04			.09			T				.18								.03			.14	.04	.15	.19		
[illegible]	[illegible]																															
MC CARTHY	1.38	T	.09				T			.14							.40	.32		.03		T		.03	.03	.39			.32	.18			
OLD EDGERTON	1.77	.81		.02	.02	T				.03			.02			.06	.48					T		.02	.08				.39	.36	.13		
PAXSON LAKE	2.60	.25		T			.49			.40						.22	.23	.12	.14	.02		.02		T			.15		.13	.39	.38		
[illegible]	[illegible]																															
SLICE MOUNTAIN	2.85						.32	T		T			T			.12	.60		.04						.39			.04	.01	.39	.18		
SNOWSHOE LAKE	2.93	.09	.89	.88			.18	T					T			.10	.63		.06	T		.04		T	.46			.06	.34	.63	.18		
SQUADDUGH 1 W	1.88		.08		T		.09	.36	.03	.02	.13		T	.05			.23	.28	.02	.04		T	.08		.08	.02		.04	.16	.43	.09		
SUMMIT LAKE	2.99	.32	.84				.32			.28						.12	.28	.03	.11			.02		.04	.09				.40	.17	.18		
THOMPSON PASS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TONSINA LODGE	1.35									.11			.08	.02		.04	.35	.01				.01		T	.33	.11			.18	.33	.13		
TSAINA LODGE	1.35							.18		.11							.33		.03			.04			.04				.32	.31	.02		
WILLOW LAKE	1.68									.07			.02			.11	.41	.03							.14	.06			.34	.31	.17		
COOK INLET																																
05																																
ACUFF CONSERVATION CMP	.61				T		.10										.19	.09				.10		.06	.07			T				
ALPINE INN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ALYESKA	2.47		.46	1.10	.31	.11	.05						.03						.11			.07						.03	T	.17	.03		
ANCHORAGE Park Strip	.61					T											.21			T		T	T	.46			T					
ANCHORAGE WSO AP B	.61	T	T	T		T	.03	.13			T		T				T	T	T		T	.15	T	.21	T	T		T	.09		T		
ANDERSON LAKE	-	-	-	-	-	-	-	-	-																							
BEACON PARK	.78						.31	.17									T		.58			.13	.02	T	.05	.03			.23	T	.06		
BERRY FARM MARKET	1.40	.02				.03	.28												T			.10		.33	.10				.10			
BIRCH ROAD	1.04	.01	T	T			.22	.20						T			T	T	T		.01	.33	T	.06	T	T		T	.22	.02	.03		
CHULITNA HIGHWAY CAMP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CHULITNA RIVER LODGE	1.98	.17	.40	.02			.08									.33		.33	.01	.26	T	T		.02	.15	T					.30		
[illegible]	[illegible]																															
ENGLISH PROJECT	1.34	T					.18	.26						T			.26	.33			T	.38		.05	.17			T	.16	.33	.10		
ELMENDORF A F BASE	.75	T	T			T	.04	.07						T			.05	T	T		T	.09	T	.33	.02			T	.13	T		
GLEN ALPS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GOOSE BAY HIKE SITE	1.16		.01	.01	T		.14	.28	.02					.01				.02	.01	.17		.12	.01	.14				.12		.11	.03		
HOMER WSO	.37	T	.08	T	T								.02	T			T	.02	T	T			.04	.17			T		T			
HOMER 5 NW	.99		.11	.07	.02	.10	T						.01	.02	.01		T	T		T		.36	.18	T	.28	T		.03	.01	.07			
INDEPENDENCE MINE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
KASILOF	.29		T	.05	T													T		T	T	.03	T	.03			T	.03					
KASITSNA BAY	1.63		.72	.10	.03	.04	T							T				.22			.03	.15	T	.07	.02	T			.25				
KATMAI CIL & GAS	.03																															
KNAI FAA MUNICIPAL AP	1.26	.02	.08	.01		.01	T					.02	.01	.02				T	T	T	.23	.10	.21	.17		T	T	T	.31				
LAKE LOUISE	-	T															.32	-											.30	.30	.30		
ATANASKA AGR EXP STA	1.33	.05					.21	.32										.37	.02	.03				.04	.01				.21	.24	.03		

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15-12-365

Continued

Station	Total	Day of Month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
NIKISKI TERMINAL	.83	-	.69	-	-	.26	.01	.04									-	-	.04	-	-	.37	.01	.08	.11	-	-	.11	.04	.01	-	
NINILCHIK 5 NE	-	-	-	-	-	-	-																						.14	.17		
OIL WELL ROAD EP	.89						.07	.18									.39	.03			.09	.08	.00						.22	.02	.01	
PALMER 8ABE	1.27	.12					.18	.32										.25	T			.04	T	.04	.07	T			.22	.02		
PALMER 1 N	1.26	.07					.32	.23									.29		T			.07		.03					.24	.07		
PUNTILLA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SELDOVIA 0CCA	2.04	1.13	.78			.15							.12		.03									.38			.09		.04			
SKOPNTNA //	-		.51	.12	.24	.03							T				.49		.04			.01										
SOLDOTNA 0 F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SUSITNA MEADOWS	1.97	.04	.36	T	T		T	.88	T							.07	T	.42		.24		.03			.14	.07					.33	
TALKEETNA WSO	2.21	.29	.41	.01		T	.30	T							.07		.83	T	T		T	.03	.03	.24	T			T		T	
TRIMAL ACRES	.46																		.10			.18		.03	.04				.11		.04	
WASILLA 3 S	1.19	.02				.04	.13	.23									.34		.32					.13	.07				.17			
WASILLA 2 NE	1.73	.02	T			.04	.22	.20									.48		.09			.19		.15	.06				.23	.02	.03	
WHITE'S CROSSING	1.62	.12	.58	.13	T			.16									.03	.10	.07			.09		.19	.14				T		.01	
BRISTOL BAY 06																																
BROOKS LAKE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				.01	.08	.23	.01	.26	.04	.21	.09	T	.23		.07	
BROOKS RIVER	1.61	T	.47	.06	.01	.02	.13	T	T	T	T	T	T	T					T	.01	.42	.17	.01	.32	.08	.07	T	T	.02	T	.11	
CAPE NEWENHAM	2.89	.27	.04	.07	T	.03		T	.07	.05	T		.06	T	.12	.01	T	.07		.01	.73	.35	.08	.08	.03	.11	.28	.01	.12			
EGEGIK	.98										.02	T		T	.08					.01	.53	.03			.03	T	.09					
ILIAMNA WSO	-	-	.08	.06	.07	.05	.28						.13	.04	-	-	.07		.01	.04	.01	-	-	.42	.23		.04		-	-		
INTRICATE BAY	2.04		1.34	.35	.04	.04	.06			.02	.04	T	T	T	.13			.22				.16	.09			.09	.07	T				
KING SALMON WSO AP //8	1.62	.21	.22	T	.05	.07	.02	T	T	.07	T	T	.08	.09			.01	.07	.01	.02	.37	.03	T	.29	T	.04	T	T	T	T	T	T
PEAT ELSWORTH	.94		.42																		.07	.24		.25	.03					.13	
PORT HEIDEN	1.30	T	.35	.13	.05	T			T		T	T		T	.10	.13					.30			.10	T			.30				
SPARREVOHN	1.00	.03	.18			.05	.01	T					.03	T	T			T		T	.02	.21	T	.14	.14		.30	.10	.12		.01	
WEST CENTRAL 07																																
ANIAK PAA AP	2.21	.03	.77	.07	T	.07	.03		.10	T	T		.09							T	T	T	.10	.14	T		.16	.03	.04			
BETHEL WSO AP 6	1.11	.15	.06	T	.01	.02	T	.11	.12	T	T	T	.03	T	.04			.01	.10	.06	.08		.07	.06	.09	.05		T			T	
CAPE ROMANZOF	3.39	T	.33	.20	.01	.01	T	.05	1.00	.38	T		.03	T	T	.01		.11	.36	.27	.08		T	.08	T	.01	.02	.02				
CROOKED CREEK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CRAYLING	1.04		.98	.02				.15					.09													.40						
HOLY CROSS	-	.06	.76	.03	-	-	-	-	-	-	-	-	-	-	-	T				.17	.01	.10	.26	.02	.03	.07			.01			
HOME WSO AP 8	1.42	.07	T	T	T			.20	.04	.03	.01		.08		T	.01	.17	.10		.06	T	.01	T		T						T	
HUNTING	.85							T	.23	.18	T											.19				.08						
RUSSIAN MISSION	2.27	.11	.74	T		.07			.14				.04		T					.23	.07	.07	T	.36	.07	.11	.03	.20				
ST MARYS	1.37	.13	.17		T				.04	.03			.02					.03	.03	.03	.35	.08	T	.09	.01	.03	.02					
TIN CITY	.83	.03	T	.02	T	T		.23	.36	.08	T	T	.01		T	T	.06	T	.03	.01	T	T									T	
UNALAKLEET WSO	2.33	.53	.35	.32		T		.36	.33		T	T	.08	.04	.03		.38	.18		.09	.03	T	.04	T		T	.19					
WALES	1.32	.02	T	.06				.03	.04	.36	T		T		T		.05	.02	.06	T		.08										
INTERIOR BASIN 08																																
ALLAKAKET	1.14			.04		.23					.02	.33							.15	.05				.20	.03	.03						
ANAKTUVUK PASS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	
ARCTIC VILLAGE	1.47							.46	.08		.01											.33		.28	.02	.02	.13	.35	.02		.28	.05
BETTLES WSO AP	1.78	T	.23		.12	.71					.16	.32		T	T	.13	.07		.38	.31				.11	.32							
BIG DELTA WSO AP	2.39	T			.10		.34	.17		.04									.47					.04	.28		T	.03	.09	.34	.21	
CENTRAL NO 2 //	2.68			.13	.15			.36			.30								.08	.02			.03		.08		.75	.33	.20	.23	.05	
CHALKYITSIK	.84																															
CHANDALAR LAKE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.28					.20	
CHENA HOT SPRINGS	2.39	.04			.10	.40		.97	.12											.36							.19		.22	.22	.37	
CIRCLE HOT SPRINGS	2.31			.22	.21		T	.03			.23								.04			.83	T		.43	T						
CLEAR	1.15				.02				.01	.08	.04					.04	.12	.02	.03	.10	.03	.04	.01	.04	.04	.01		.08	.40	.04		
CLEAR WATER	2.32				.10		.42	.22		.32							.12		.70						.03	T		.08	.02	.33	.01	
COLDFOOT CAMP	1.19	.22			.04	.11					.04								.21	.04	.02		T	.19		.03						
COLLEGE OBSERVATORY	1.28					.04		.04		.01							.01	.02	.04	.06		T	.01	T	.01				T	.01	.01	
CROOKED TREAPOT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DIETRICH CAMP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.28	.16	.17		
DOT LAKE	1.04		.45													T	.15		.33				T	T	.11	T	T	T	.30	.01	T	
EIELSON FIELD	.81	T		T	T	T	.08	.04		T							.02	T	.23									T				
EIELSON VISITORS CEN.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T	.01	T		.01	T	.18	.07	.13
FAIRBANKS WSO AP 8	.55				.02		.04	T		T						.01	T	T	.04				.04	T	.01	T						
FAREWELL WSO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FIVE MILE CAMP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T	
FORT YUKON	.10					T					.02								.08													
GALENA	1.57	.38	.12	T	.08				T				T	T	T	.06	.44	T	T	.01	.01	T	.30	.06	.03	.04						
GILMORE CREEK	1.24										.28						.08		.05	.18		.11	.40		.40					.12		
INDIAN MOUNTAIN	1.09	.11	.27			.02				T	.72		T	T			T	T	.36	.39	.02	T	.04	.05	.04				.21			
MACLAREN RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MANLEY HOT SPRINGS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MCGRATH WSO AP 8	1.80	.19	.31	.02	.04	T	.03						.02	T	T		.14	T	T	.02	.04	.03	.01	.25	.01	T	.01	.04	.23		.41	
MT KINLEY PARK	2.03	T	T	.10				.23			.16					T		.42	T			T	T			.33			.46	.33		
MENANA PAA AUR AP	-	-	-		T	T		T		.20	T						T		.30	T		.03	T		T			T	T	.23	.33
NIKOLAI	1.12	.38					.02												.16	.02	.02	.10	.05	.11	.25	.04						
NORTH POLE	1.00				T			.22			.03						.03	.13	.04	.20				.02	.11					.28	.04	
NORTHWAY PAA AP	1.73	T		T		.04	.03		.06							.07		T				T		T		.17	T	.21	.02	.23		
PROSPECT CREEK CAMP	1.70		.18			.20					.18									.20		T		.38	.30		.33					
RIKAS LANDING 8	2.42	.03			.45		.43	T											.04									.27	.04	.36		
SUMMIT PAA AP	1.18	.09	.12				.04	.03					T		T	T	.08		T	T		.04	.01	T	T			.23	.09	.07	.26	
TANANA WSO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TANANA - EVAP	1.29	.02	.29	.07		.14					.03								.39	.28		.02	.01	.19	.03				.01		.09	
TATALINA	1.32	.04	.31	.09	.07	T	T						.03	T	T		T	.14		.02	.08	.13	.04	.23	.03	T	.01	.10	T		.03	
THE GRACIOUS HOUSE	-	-	-	-	-	-	-	-	-	-	-	-	T				.40			T		.10	.25	.27				-	.19	T	
THE MORRIS 4	.39			.04	.11																							.20	.70	.63	
TOK	4.95																									.04	T	T		.04	.11	.21
TRIMS CAMP	4.31	.02	.48	.08	.02	.33	.09				.08	.22				.15	.18	.37	.44													
WEST FORK	2.14	.04			T					.03	.01						.05		.07	.17		.30				.44	.03		.02		.08	
WILD LAKE NO 2	.53	.06	.02			.17					.15	.35							.03	.03	.03			.01				T				
WONDER LAKE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ARCTIC DRAINAGE 09																																
BARROW WSO AP //8	.03	T	T	T	T	T	T	T	T											T	.02	.01	T	T	T	T	.02	T			T	
BARTER ISLAND WSO AP 8	.00	T	T	T		T	T	T												T	T	T		T					T	T		
CAPE LISBURNE	1.02	.04	.08	T		T	T	.01	.32	.03					.01	.15		.08	.29	.09							T	T	.30	T	.30	T
GALBRAITH LAKE CAMP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HAPPY VALLEY CAMP	1.30																			.01	.02	.45	.17				.13	.22	.12	.03		.19	
KOBUK	1.99	.20	.19	.08								.23								.30	.08	.40	.03	.01	.25	.04						
KOTZEBUE WSO AP //0	.39	.35	T	.03		T	T	T	.29	.03				T	T	.12				.02	T	.03		T			T					

Susitna R. @ Gold Cr.

June 17 - 1972 70,700 c.f.s. peak

15-12-366

15292000 Susitna River at Gold Creek

LOCATION.--Lat 62°46'04", long 149°41'28", in NW¼ sec.20, T.31 N., R.2 W., near left bank under Alaska Railroad bridge, 0.1 mile downstream from Gold Creek, 0.9 mile north of Gold Creek railroad station, and 2.0 miles downstream from Indian River.

DRAINAGE AREA.--6,160 sq mi, approximately.

PERIOD OF RECORD.--August 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is 676.50 ft above mean sea level. Prior to June 6, 1957, nonrecording gage at same site and datum. June 7, 1957 to June 2, 1964, water-stage recorder at site 0.3 mile upstream at same datum.

AVERAGE DISCHARGE.--23 years, 9,843 cfs (21.65 inches per year, 7,131,000 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 82,600 cfs June 17 (gage height, 16.04 ft); minimum daily, 1,600 cfs Apr. 17-24.
Period of record: Maximum discharge, 90,700 cfs June 7, 1964 (gage height, 16.58 ft); maximum gage height observed, 24.48 ft May 10, 1954 (ice jam); minimum discharge not determined.

REMARKS.--Records good except those for the period of no gage-height record, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8,190	3,600	2,800	2,400	2,200	1,900	1,700	2,500	62,500	26,900	19,000	12,600
2	8,220	3,600	2,600	2,400	2,200	1,900	1,700	3,000	48,400	26,500	19,900	12,500
3	8,280	3,400	2,600	2,400	2,200	1,900	1,700	3,600	34,800	25,800	20,000	13,000
4	8,160	3,400	2,600	2,400	2,200	1,900	1,700	4,600	25,200	24,100	19,300	13,900
5	7,560	3,400	2,600	2,400	2,200	1,900	1,700	5,800	21,500	24,000	19,700	14,900
6	6,930	3,400	2,600	2,400	2,200	1,900	1,700	9,000	20,600	24,800	22,100	13,900
7	6,870	3,200	2,600	2,200	2,000	1,900	1,700	13,000	20,400	25,500	26,400	12,300
8	7,200	3,200	2,600	2,200	2,000	1,900	1,700	19,000	22,700	26,400	26,300	11,800
9	7,530	3,200	2,600	2,200	2,000	1,900	1,700	25,000	26,100	26,200	21,500	11,800
10	7,530	3,200	2,600	2,200	2,000	1,800	1,700	26,000	26,400	26,200	18,900	14,000
11	7,380	3,200	2,600	2,200	2,000	1,800	1,700	24,000	27,300	23,800	17,200	14,000
12	6,900	3,200	2,600	2,200	2,000	1,800	1,700	21,000	33,800	23,700	17,000	16,600
13	6,480	3,200	2,600	2,200	2,000	1,800	1,700	20,000	38,700	25,000	18,500	21,400
14	5,550	3,200	2,600	2,200	2,000	1,800	1,700	19,000	51,900	26,200	19,700	26,400
15	5,050	3,000	2,600	2,200	2,000	1,800	1,700	18,000	62,300	27,200	20,000	22,000
16	5,300	3,000	2,600	2,200	2,000	1,800	1,700	18,000	63,800	25,500	20,500	19,000
17	5,600	3,000	2,400	2,200	2,000	1,800	1,600	19,000	70,700	25,000	20,400	17,000
18	5,520	3,000	2,400	2,200	2,000	1,800	1,600	20,000	48,600	22,000	21,800	15,000
19	5,200	3,000	2,400	2,200	2,000	1,800	1,600	21,000	38,200	20,500	22,000	13,000
20	5,200	3,000	2,400	2,200	2,000	1,800	1,600	22,000	30,900	19,400	21,500	11,000
21	5,000	3,000	2,400	2,200	2,000	1,800	1,600	24,000	27,000	18,600	22,100	11,000
22	4,800	3,000	2,400	2,200	2,000	1,800	1,600	25,000	25,300	18,500	22,200	9,500
23	4,600	2,800	2,400	2,200	2,000	1,800	1,600	27,000	25,700	17,500	20,400	8,500
24	4,400	2,800	2,400	2,200	2,000	1,800	1,600	30,000	26,400	17,400	19,800	7,500
25	4,400	2,800	2,400	2,200	2,000	1,800	1,700	30,000	26,300	18,300	19,500	6,500
26	4,200	2,800	2,400	2,200	1,900	1,800	1,700	30,200	25,100	18,500	18,700	6,000
27	4,000	2,800	2,400	2,200	1,900	1,800	1,800	32,400	24,100	18,900	16,200	5,500
28	4,000	2,800	2,400	2,200	1,900	1,800	1,900	35,700	25,300	19,900	14,400	5,500
29	3,800	2,800	2,400	2,200	1,900	1,800	2,000	36,300	26,100	22,700	13,800	6,000
30	3,800	2,800	2,400	2,200	———	1,700	2,200	38,900	26,800	21,400	13,600	5,500
31	3,600	———	2,400	2,200	———	1,700	———	55,500	———	19,400	13,000	5,500
											12,900	———
TOTAL	181,250	92,800	77,800	69,400	58,800	56,500	51,300	678,500	1,032.9M	705,800	597,900	372,100
MEAN	5,847	3,093	2,510	2,239	2,028	1,823	1,710	21,890	34,430	22,770	19,290	12,400
MAX	8,280	3,600	2,800	2,400	2,200	1,900	2,200	55,500	70,700	27,200	26,400	26,400
MIN	3,600	2,800	2,400	2,200	1,900	1,700	1,600	2,500	20,400	17,400	12,900	5,500
CFSM	.95	.50	.41	.36	.33	.30	.28	3.55	5.59	3.70	3.13	2.01
IN.	1.09	.56	.47	.42	.36	.34	.31	4.10	6.24	4.26	3.61	2.25
AC-FT	359,500	184,100	154,300	137,700	116,600	112,100	101,800	1,346M	2,049M	1,400M	1,186M	738,100

CAL YR 1971 TOTAL 3,756,320 MEAN 10,290 MAX 77,700 MIN 950 CFSM 1.67 IN 22.68 AC-FT 7,451,000
WTR YR 1972 TOTAL 3,975,050 MEAN 10,860 MAX 70,700 MIN 1,600 CFSM 1.76 IN 24.01 AC-FT 7,885,000

NOTE.--No gage-height record Oct. 18 to May 23.
M.--Expressed in thousands.

15-12-367

15292000 SUSITNA RIVER AT GOLD CREEK

LOCATION.--Lat 62°38'04", long 149°41'23", in NW¼ sec.20, T.31 N., R2 W., Matanuska-Susitna Borough, near left bank under Alaska Railroad bridge, 0.1 mile downstream from Gold Creek, 9.9 mile north of Gold Creek railroad station, and 2.0 miles downstream from Indian River.

DRAINAGE AREA.--6,160 sq mi, approximately.

PERIOD OF RECORD.--August 1949 to September 1970.

GAGE.--Water-stage recorder. Datum of gage is 674.50 ft above mean sea level. Prior to June 6, 1957, nonrecording gage at present site and datum. June 6, 1957, to June 1, 1964, water-stage recorder at site 0.3 mile upstream at present datum.

AVERAGE DISCHARGE.--21 years, 9,775 cfs (21.55 inches per year, 7,082,000 acre-ft per year).

EXTREMES.--Maximums and minimums (discharge in cubic feet per second, gage height in feet) for the water years 1966-70 are contained in the following table:

	Maximum			Minimum daily	
Wtr yr	Date	Discharge	G.H.	Date	Discharge
1966	June 6, 1966	63,600	13.66	Feb. 1 to Mar. 31, 1966	1,300
1967	Aug. 15, 1967	80,200	a15.93	Apr. 1-20, 1967	1,100
1968	May 22, 1968	41,800	b12.75	Apr. 6-15, 1968	1,800
1969	May 25, 1969	28,400	11.17	Jan. 14 to Feb. 15, 1969	700
1970	June 30, 1970	33,400	11.80	Feb. 11 to Mar. 13, 1970	750

a Maximum gage height for year, 20.78 ft May 16, 1967, backwater from ice.
b Maximum gage height for year, 14.98 ft May 16, 1969, backwater from ice.

Period of record: Maximum discharge, 90,700 cfs June 7, 1964 (gage height 16.38 ft); maximum gage height observed, 21.48 ft May 10, 1954 (ice jam); minimum daily discharge, 900 cfs Feb. 16-20, 1950.

REMARKS.--Records good except those for periods of no gage-height record and those for winter periods, which are poor. Water-quality records for the water year 1967 are published in reports of the Geological Survey.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1965 TO SEPTEMBER 1966

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18200	2750	1800	1480	1300	1300	1500	3480	20400	21300	27700	14000
2	17100	2700	1800	1400	1300	1300	1500	3400	23400	19900	25700	15400
3	16400	2600	1750	1400	1300	1300	1500	3400	28500	19500	31000	14700
4	15400	2500	1750	1400	1300	1300	1500	3400	40400	19500	33500	13700
5	14400	2450	1700	1400	1300	1300	1500	3400	55100	17300	29600	12800
6	13900	2400	1700	1400	1300	1300	1500	3400	54400	16600	24700	11700
7	10800	2300	1700	1400	1300	1300	1500	3400	54400	17400	21500	11100
8	10200	2250	1700	1400	1300	1300	1500	3400	51500	14600	20700	10400
9	9100	2200	1700	1400	1300	1300	1500	3400	43500	16400	21000	10000
10	8420	2150	1700	1400	1300	1300	1500	3400	38900	16200	21300	9360
11	4750	2100	1700	1400	1300	1300	1500	5000	39300	17700	21400	9660
12	8100	2050	1650	1400	1300	1300	1500	5200	37500	19500	21400	11300
13	7440	2000	1650	1400	1300	1300	1500	5400	38700	19400	19700	14000
14	6100	2000	1650	1400	1300	1300	1500	6000	33500	18500	17700	17300
15	5900	2000	1650	1400	1300	1300	1500	6400	29000	17100	16600	15800
16	6100	2000	1600	1400	1300	1300	2050	7100	25600	17200	16600	14000
17	5800	2000	1600	1400	1300	1300	2050	7700	24000	17800	20400	13400
18	5400	1950	1600	1400	1300	1300	2050	8400	27600	18900	19700	12700
19	5500	1950	1600	1400	1300	1300	2050	9000	34400	20800	20900	11700
20	5400	1900	1600	1400	1300	1300	2050	9600	32900	20100	22700	11600
21	5300	1900	1600	1400	1300	1300	2050	11100	29300	18600	24100	11900
22	5300	1900	1600	1400	1300	1300	2050	12400	26900	18100	22400	11400
23	5300	1900	1570	1400	1300	1300	2050	13400	25500	18200	21000	10400
24	5300	1900	1570	1400	1300	1300	2050	14700	29500	18400	23300	9500
25	5300	1900	1530	1400	1300	1300	2050	14400	26600	18900	25400	9060
26	5250	1900	1570	1400	1300	1300	2050	14200	26100	18900	22700	8740
27	5200	1850	1530	1400	1300	1300	2050	14400	23600	24300	20100	8680
28	5100	1850	1530	1400	1300	1300	2050	21500	23200	28200	17900	8720
29	5050	1800	1530	1400	----	1300	2050	23700	21800	31800	17400	8750
30	5050	1800	1530	1400	----	1300	2050	22900	21900	27300	17200	8180
31	5000	----	1530	1400	----	1300	----	20700	----	24600	16800	----
TOTAL	223300	67950	50570	43400	38400	40300	53750	299000	888000	615800	674400	352000
MEAN	7265	2090	1631	1400	1300	1300	1775	9645	32953	19864	21825	11743
MAX	18200	2750	1800	1480	1300	1300	2050	23700	54400	31800	33500	17300
MIN	5000	1800	1530	1400	1300	1300	1500	3400	20400	16200	16800	8180
AC-FT	443000	134800	100300	86080	76200	79960	105400	593100	1761000	1221000	1342000	698400

CAL YR 1965 TOTAL 3731860 MEAN 10224 MAX 36000 MIN 866 AC-FT 7402000
WTR YR 1966 TOTAL 3442830 MEAN 9432 MAX 58400 MIN 1300 AC-FT 6829000

NOTE.--NO GAGE-HEIGHT RECORD DEC. 23 TO MAY 10.

15-12-36B

15-2920. Susitna River at Gold Creek--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	9,310								44,300	33,200	18,600	14,000
2	9,240								63,400	27,200	17,400	13,000
3	8,660								68,000	26,900	21,900	11,700
4	8,060								64,500	23,600	21,300	10,300
5	9,480							900	75,000	22,400	21,600	11,000
6	8,330								78,800	22,300	21,200	14,100
7	9,200								65,900	22,000	19,700	10,100
8	8,660	2,600	1,700	1,100	1,300	770	710		71,000	21,200	17,400	9,260
9	8,660								72,000	24,100	17,800	8,920
10	8,490								64,100	25,300	16,800	9,100
11	8,060								57,300	26,500	16,600	9,200
12	8,490								51,900	31,900	14,600	9,310
13	8,060								46,000	24,600	15,500	9,170
14	8,020								46,500	29,400	16,400	9,650
15	8,060								64,100	27,000	15,200	9,620
16	8,600							1,400	64,600	25,100	13,900	10,000
17	8,640								63,200	24,500	14,200	10,600
18	8,200								63,900	24,400	15,900	10,400
19	8,000								66,100	25,100	14,500	9,240
20	9,700								53,600	23,100	15,700	8,720
21	9,400								65,100	21,300	14,200	8,040
22	9,200								36,100	19,700	14,500	8,130
23	9,400				930				32,600	19,100	14,900	8,750
24	9,100	1,900	1,300	1,000		660	780	4,080	29,800	17,300	15,900	8,810
25	9,700							4,440	28,400	16,900	15,000	8,250
26	9,360							4,750	33,600	14,400	14,200	8,130
27	9,000							5,250	31,100	15,300	14,200	7,800
28	9,040							5,680	30,800	16,100	12,900	7,860
29	9,300							11,400	30,600	21,200	12,000	7,440
30	9,200							37,100	33,200	19,200	12,000	7,300
31	9,100							30,800		19,100	13,900	
TOTAL	199,920	67,500	46,300	32,300	28,020	22,110	22,350	133,520	1,517.3M	711,300	509,500	287,120
MEAN	6,449	2,250	1,494	1,042	966	713	745	4,307	50,540	22,950	16,440	9,571
MAX	9,310	-	-	-	-	-	-	37,100	85,900	33,200	21,600	14,100
MIN	8,100	-	-	-	-	-	-	-	28,400	16,600	12,000	7,440
AC-FT	396,500	133,900	91,830	64,080	55,580	43,850	44,330	264,800	3,010M	1,411M	1,011M	569,500

CAL YR 1964: TOTAL 4,000,870 MEAN 10,960 MAX 99,000 MIN - AC-FT 7,930,000
WAT YR 1965: TOTAL 3,577,440 MEAN 9,774 MAX 85,900 MIN - AC-FT 7,094,000

M Expressed in thousands.
Note.--No gage-height record Oct. 12 to May 22 except for occasional days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	7,990	2,790							36,400	30,700	24,200	9,400
2	7,770	2,640							29,000	34,400	23,000	9,640
3	7,620	2,800						2,200	23,700	30,800	22,900	9,360
4	6,730	2,850							22,300	30,400	21,900	9,280
5	6,660	2,900							22,300	28,400	19,700	11,300
6	7,650	2,900							17,200	27,400	17,500	21,500
7	9,340	2,650	1,370						16,600	30,400	16,600	26,900
8	9,620	2,600					1,180	4,560	22,700	25,600	16,700	30,100
9	9,480	2,700							29,000	27,400	18,300	26,500
10	9,630	2,800							28,600	27,500	22,600	23,600
11	8,620	2,900							7,000	23,300	29,100	26,300	23,200
12	7,260	2,800							8,000	21,600	31,600	24,400	21,000
13	7,530	2,700							8,400	24,900	27,700	27,300	17,700
14	7,380	2,650							8,600	23,700	35,600	28,100	16,400
15	6,980	2,700							9,000	22,800	31,600	31,700	16,300
16	6,510	2,800			960	860	900		9,200	20,600	29,600	32,600	16,700
17	6,650	2,900							9,400	16,300	28,900	33,600	17,100
18	5,580	3,100							10,000	20,600	26,900	32,600	18,300
19	6,820	3,300							11,000	19,700	28,600	27,700	19,600
20	6,600	3,500							11,300	19,200	25,600	25,100	20,100
21	6,600	3,300							13,600	25,100	28,800	21,300	20,200
22	6,820	3,100	1,110						16,000	30,000	29,900	19,600	20,800
23	6,620	3,000					1,540		17,700	24,300	27,200	15,900	21,500
24	6,800	2,900							16,600	30,000	25,200	16,600	22,200
25	6,240	2,600							19,200	29,100	23,500	16,800	22,700
26	6,280	2,700							23,600	29,200	23,000	16,600	23,600
27	6,200	2,600							28,500	32,800	22,500	12,700	24,000
28	6,150	2,600							29,600	39,900	21,600	11,900	23,100
29	6,100	2,000							36,300	38,900	21,200	10,600	20,600
30	5,340	1,700							37,900	31,200	20,700	10,000	15,600
31	5,000								37,600		21,700	10,000	
TOTAL	195,010	85,970	37,530	29,760	24,080	27,900	40,600	402,600	771,600	886,100	694,600	580,540
MEAN	6,291	2,799	1,216	960	860	900	1,360	12,990	25,720	27,640	21,120	19,350
MAX	9,620	3,500	-	-	-	-	-	37,900	39,900	37,700	33,600	30,100
MIN	5,000	1,700	-	-	-	-	-	-	16,600	20,700	10,000	9,280
AC-FT	386,800	166,000	74,440	59,030	47,760	55,340	80,530	798,500	1,530M	1,712M	1,298M	1,151M

CAL YR 1964: TOTAL 3,560,250 MEAN 9,782 MAX 85,900 MIN - AC-FT 7,101,000
WAT YR 1965: TOTAL 3,711,310 MEAN 10,170 MAX 39,900 MIN - AC-FT 7,362,000

M Expressed in thousands.
Note.--No gage-height record Nov. 10 to Jan. 11.

15-12-369

DAILY PRECIPITATION

ALA
APRIL 1

Station	Total	Day of Month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
SOUTHEASTERN 01																																
ANGOON	1.67	T	.29	.21	T	.01		.29						.83	.01			T	.24	T			.20	.13	.06	.03				.08	
ANNETTE AB AIRPORT R	3.82	.30	.14	.02	.31	.01					T		T	.31	.01		T			.02	.18	.24	1.20	.66	.20				T	T	
ANNEA CREEK	5.05		.06	.62			.05		.01						.07			T	.17	.20	.46	.36	.12		T	.70	.42		T	.04	.56
AUKE BAY	4.05		.28	.12		.17	.38	T				T		.05	.34	.04		.04	.27	.19	.02	.11	.21		.04	.35	.12	T		.68	.22
BARANOF	5.04		.26	.16	.28	.30								.30								1.00	.50	.96	1.00	.08					T
BEAVER FALLS	5.19		.51	.37	.62	.21	T							.15	.10	T		.04	T	.09	.11	.24	1.00	.31	1.28	.32	T		.21	.07	
CAPE DECISION	1.53	.02	.02	.02	.26						.01			.04	.02			.09		.09	.28	T	.08	.76	.20				.02	.04	
CAPE SPENCER	3.20		.28	.47	.03	.23		.08	.02	.09	.04	.09		.11				.15	.30	.21	.28	.02	.12	.12		.03	.30			.16	.19
CLOYED ROCK	2.65		.35	.28		.07									.10				.12	.07		.27			.09	.13	.06		.05	.43	.40
FIVE FINGER LIGHT STA	2.36	.50	.29	T	.19	T	.10							.05	.15	T		T	.20	T	T	T	.30	.09	.23	.05	.05			.18	.12
GUARD ISLAND	2.22	.18	.19	.04	.04													.20	.08	T	.30	.14	.37	.31	.04	.07			T	T	
GUSTAVUS FAA	3.11		.87	.03	T	.22		T			.03	.04		.21	.04			.44	.34	.01	T	.10	T			.35	.02		T	.20	.12
HAINES TERMINAL	.34			.22											.03	.03			.06	T											
HOLLIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JUNEAU	3.85		.16	.54		.23	.02					.01			.25	.04		.03	.29	.20	.20	.20	.10		.11	.30	.10			.44	.67
JUNEAU AB AIRPORT R	3.37		.65	.15	T	.27	T	T			T	T		.05	.28	T		.04	.44	.01	.08	.10	.06	T	.16	.32	T		.02	.61	.19
KETCHIKAN	5.37	T	.04	.29	.08	.71						T		.71	.09	T		.15	.38				1.01	1.06	.93	.06			.10	.05	
KIAKOLA ROCK LIGHT STA	3.50	.48	.39		.03						.87			.16	.48			.83		.01	.38	.04	.42	.48	.28					.80	
KINGER COVED	.44			.38										.08					.06												
LITTLE PORT WALTER	3.88	.02	.23	.19	.76	.22	.19							.54	.05	.01		.24	.05	.02	.27	.01	1.58	.98	.33	.01	.02			.81	
PETERSBURG	4.89		.81	.33	T	.11	.11							.03	.73	.41		T	.39	.22	.23	.28	.28	.20	.22	.05	.04		.19	.16	.18
POINT RETREAT LIGHT STA	2.62		.42	.12	T	.18								T	.18			.04	.12			T	T		T	.44	T			.65	.46
PORT ALEXANDER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T	.34	T	.12	.04	T	.08	.04	.07	T	-	.19	.75	.32
SITKA FAA	2.84	T	.49	.04	.07			.07		T	T			.16		T			.04	.23	T	.15	.04	.03	.04	.04	.04	T	.13	.46	.84
SITKA MAGNETIC	2.96	T	.35	.19		.08	T	.04			T			T	.17	T															
SKAGWAY	-	-	-	-	-	-	-	-	-	-	-	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.02	
TWEE POINT LIGHT STA	3.74	T	.62	.05	.07	.22						T		.15	.38			.15	.35	.05	.05	.08	.16	.00	.48	.61				.09	.10
WRANGELL	4.04		.71	.37	T	.05	.04				.03	.03		.04	.22	.05			.18	.18	.42	.46	.37	.32	.25		.01			.09	.10	.12
SOUTH COAST 02																																
ALITAK BAY	.09				T				T								T	T							.15			.16	T	.20
CAPE NINCHINBROOK	6.42			.38	.19	.11				.60	.23				.18	.39			.20	.08		.04			.20	.30	.48		.33	.90	1.60
CAPE ST ELIAS	5.39		.04		.22	.05			.67											.25	.56				.10	.09		.87	.65	1.88
COOPER LAKE PROJECT	1.03			T	T					.05	.16	T				T	T	T		.31	.14	.01							.21	.22	.21
CORDOVA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		.12	.15	.01	.09			.04	.06		.32	.24	2.44	4.95
CORDOVA AB AIRPORT /AB	7.30		T	.17	.01	.15			T	.32	.13				.11	T		T	.19	.44	.02	.21	.01	T	.30	.34	.34		.46	1.42	2.06
EARLIE LAKE NO 2	.45			.05	T				.11						T	T		.10	.02	.02	.03				T				.33	.39	T
EARLIE RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			.05					T				.05	
EITCI BAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								.02			.11	.04	.19
EGEGIK HAS	4.44			.19	.33	.16			.22	.11		T	.11	1.01	.16	.67	.93	.08	.08	T											
LARSEN BAY	.31			.02	T	.01				.09								.11	.01	.01	.23	T				.01			.01	.01	
SEWARD	2.04			.03		.03				.21	.04				.01	T		.01	.04		.29	.31				.15	.24		.16	.37	.47
SITKINAK	2.02			.13						.10	.02		.04					.09			.01			.02	.07				.35	.68	.48
UGANIK BAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VALDEZ AIRPORT	4.44			.12	.02	.04	.02			.29	.38	.04			.21					.79	T	T	T	T	.36	.63	.35	T		.25	.39	.01
WHITTIER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YAKATAGA FAA	6.47		.06	.25		.46				.36	.25				.03			.02	.45	.55	.01	T			.12	.26	.34	.04	T	1.01	2.06
YAKUTAT AB AIRPORT R	9.09		.89	.12	.02	.26			T	.19	.10	T		.19	.04	T		.03	.07	.46	1.28	.32	.04		.03	.35	.48	.09	.19	1.26	2.60
SOUTHWESTERN ISLANDS 03																																
ADAK	3.50	.33		.04	.12	T	T	.14	T	.01	T	T	T	T	T	T	T	T	T	T	T	T	T	1.41	.01	T	T	.04	.34	.03	
ATTU	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-															
CAPE SARICHEF LGHT STA	.12	.01			T	T					.01		T						.04			.01	T			T			T		
COLD BAY AB AP R	1.85			T	.85			T	T	.04	.29	T			T			T	.04	.11	.01	T	T	.09	T	.11	T		.04	T	.20
ST PAUL ISLAND AB AP R	.68			T			T	T	.01	.01		.09						T	T	T	T	T	T	T	T	.21	T	.27	.04	T	.02
SHEMYA AB AP	2.02	T	T	T	T		T	T	T	T	T	T	.32	.01	.01	T	.02	T	.01	.05	.74	.41	.01		.41	.32		.03		1.13	.14
UMNAK	4.13								.07	.22	.19	.06	.04	.18		.02	.01	1.03	.02												
COPPER RIVER 04																																
CHITINA	1.31					T	.18					.03											.04	.05	.06	.04	.34	.05			.13
COPPER VALLEY SCHOOL	1.04	.04	T	.09			.04			.08	.04	T			.02	.03				.15			T	.05		.20	.22	.05	.02	T	T	
KELLYHA LAKE	1.51			.05							.29								.23	.26							.32				.18
EUREKA	3.97	T		.10	.04	.19	.52		T	T	T								.02	.43	.07	.02	.16	.02	.05	.44	.16	.24	.02	.07	.02
GULKANA FAA	2.02			.18	.17	T	T		T	.20	.21	T		T	.22	T			T	.22		.04	T	T	.21	.39		.10	T		.04
KENNEY LAKE	.31																						.04		.10	.12					.05
MAY CREEK	2.34			.11	T	.25	T			.14	.04				.16					.10			.22	.10	.19	.14	.51	.29	.03	T	.08	T
MILE 97 CAMP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-	-	-	-	-	-	-	-	-	-
PAXSON	3.21			.09	.12					.47	.12					.10			.17	.71						.34	.51	.29	.12		.12	.19
SUSITNA	4.10																						.74	.30		.39	.70	.23				
SNOWSHOE LAKE	2.71					.30	.04	.01			.02	T			.04								1.02				T		1.15	T	.02	
THOMPSON PASS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							.89			.10	.12	.09	.17			
TONSINA LODGE	.76				.10		.09			.09	.05																					
COOK INLET 09																																
ALPINE INN	2.88									.14	.20					.18			.05	.99				.14			.77		.04		.02	.33
ALYESKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANCHORAGE PARK STRIP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANCHORAGE AB AIRPORT R	1.71			.26	T		T		.10	.07	T					.23		T	.34	.23	.31	.07				.33	.28	.07	.29	.30	.11
ANCHORAGE WSO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BEAR COVE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CREEKSIDE PARK SCHOOL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ERLUTNA PROJECT	2.76			.08			T			.08	.07	.01			.33	.04			T	.13	.22	.02	T			.61	.10	.04	.33	.16	.19
ELMENDORF A F BASE	1.66			T		T			T	.16	.09				.01	T		T		.22	.02	T			.58	.07	.01	.29	.24	.22
GIRDWOOD				T		T				.08						T				.58										
HOMER FAA	.82			.02	.02	.03			.15	.19	T				T	.05	.03		.03	.01	T				.02	.07			.18	.02	T
HOMER 5 NW	1.19			T	.32	.05				.10	.16		T	T	T		.08	.31	.01	T	.04				.10	.01	.01	.32	.27	.08
KASILOF	1.66		T	.03		T			.10	.60	T								T	T	T	.02			.26	.50	T	.39	.37	
KENAI FAA	2.23			.02		T			.04	.39	.04				T	T	T	T	T	T	.02										
LITTLE SUSITNA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MATANUSKA AGR EXP STA	2.44			.03		T				.08	.24				.04	.09			T	.08	.05				.03	.02	.04	.04			.38
NENELCHIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PALMER AAES	2.26		.04		.01		.08			.14	.24	.03								.77	.21	.01				.33	.24	.09		.02	.02
PALMER 1 N	2.77	.03		.02		.14				.12	.31						.10			.96					.79			.04		.22	.12
PUNTILLA	2.92					T				.10	.12	.04					.04			.48	.43	.04					.60	.01	.40	.04	.38
SOLDOTNA	2.15			.22						.08	.48									T	T						.60		T	.81	.04
SOUTH FORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUMMIT WIRE SITE	2.10		.15	T					.13		.29							.07		.74	.16						.37			.26	.31
TALKEETNA FAA AIRPORT	2.12			T		T	T			.26	.19				.01	.17		.12	.01	.77	.32			T	.42	T	.01	.29	.46	T
TALKEETNA	1.99																														
VENTA	1.26													.19	.21	.03		T	T	T	.03				.11	.22		.19	.20	.1
WASILLA 3 S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			T	T	.40	.38				.35	T	.23	T	.66	.1
WILLOW TRADING POST	2.70									T	.34				.18															

Susitna R. @ Gold Cr.

June - 7 - 1964 85 900 c.f.s. peak

15-12-370

DAILY PRECIPITATION

Continued

ALASKA
JUNE 1964

Station		Total	Day of Month																												
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
BRISTOL BAY 06																																	
ALEKANUK											.19	.04	.12	T			.83		.06														
BOCAS LAKE		.04				T														.07	.50	.02						.01	T	.28	.14	T	
CAPE NEWENHAM		.04				T		T		T	.01	.09	T			T	T	T	T	T		T					.01	T	.32	T			
DILLINGHAM		.09				.02				.05	.07								.09								.03	.07	.34	.06	.09		
ILIAMNA FAA		1.35			T		T			.01	.08							T	.01	.13	.53	.09	T				.17	.19	.02	.31	.01		
INTRICATE BAY		1.75			T		T			.03	.10	.09								.23	.18	.38					.09	.23	T	.47	.07		
KING SALMON AB AP	//B	.67			T		.03			.01	.03					T		.01	.03	.12	T	T	T				.04	T	.03	.16	.01		
LAKE NERKA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	
PORT ALSWORTH		2.69			T						.04	.19								.21	.15	.65		.09			.03	.32	.24	.47	.15		
PORT HEIDEN		.19								.04								.04	T	.04	.03						T		.02				
SPARREVOHN		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WEST CENTRAL 07																																	
ANIAK FAA		1.00			T				T	T	T	.01				.05	T	.07		.03	T	.18	.11				T	.18	.04	.42	T		
BETHEL AB AIRPORT	6	.79			.01						T	.02	.01			.06	.05	T	T	.04	T	.01	T	T			.07	.32	.18	T		T	
CAPE ROMANZOF		.38		.06								.01	.16			T		T		T			T	T				.01	.27	.07			
HOLY CROSS		1.31			.18											.22		.15		.11		.41	.37							.30	.66		
MOSES POINT FAA		.60										.36	T			.11	.03			.03	.09					.06	T			T			
NOME AB AIRPORT	B	.06										.03	T			.01	T			T	T		T	T		T				T			
NORTHEAST CAPE		.26	T	.06				.06				T	.06	.02		T		.02	.01	T			T		.01	.02							
NUNIVAK		.36											.07						.09									.11	.09	.20			
PLATINUM		.02					T		T		.03	.01	.21				.09	.01		.07	T			T	T				.09	.37	.21	.01		
TELLER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	
UNALAKLEET FAA		.88	T	T							.04	.28		T		.29	.02			.28	T	T	T	T	T	.03	T			T	T		
WALES AIRPORT		.02		T							T		.02							T			T	T		T						
INTERIOR BASIN 08																																	
ALLAKAKET		1.10										.18	T	T								.98	.12										
ARCTIC VILLAGE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	
BETTLES FAA AIRPORT		1.22										.03	.04					T		T	.32	.77	T	T			T					.04	
BIG DELTA FAA		.98	T		T	T		T			T	.18			T		.03			T	.02			T		.08	.34	.18	.04	T			
CANYON VILLAGE		.69															.03	.12	.05			.16	.01				.32						
CENTRAL AB 2	//	2.92					.04	.09				.91	.07	.01	T	.08		.19				.07					.10	.29	.01			.10	
CHALKYITSIK		.14										.01		.01	.31		.03					.05			.01	.02							
CHENA HOT SPRINGS		2.71								.01		.09	.18	.04	.18	.01	T	.22		.06		.42	T	T	.06	.45	.26	T		.02		.09	
CIRCLE CITY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CIRCLE HOT SPRINGS		2.91					.06					1.41	.28	T		.04	T	.18		T	.06	.09		.06	.03	.34	.48	T		.01		.03	
COLLEEN RIVER		2.09												T	.03		T	.18	.13		.20			.30	T	.30	.63	.11	T		T		
COLLEGE MAG OBSV		1.13										.19	.20								.07	T					.31	.23				.04	
EAGLE		1.71										.12	.34				.25	T				.22	.20		.16	.12	.02	T					
EIELSON FIELD		1.07		T	T						.02	.36	T		.01	.26	T	T		.02	.02			T	T	1.17	T			.08	.33	
FAIRBANKS AB AIRPORT	B	1.33	T	.34							T	.33	T		T	.01		T		T	T			.01	T	.04			T	T	T	
FARNELL FAA		2.61		T			T	T	.01		.03	.21				T	.03	.03	T	.06	1.04	.19					.33	.23	.25	.15	.36	.19	
FORT YUKON AP		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GALENA		1.21									T	T				.20	.09		T	.31	T	.46	.12		T	.20			T	.13	T	T	
GILMORE CREEK		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	
HUGHES		-									-	-	-	-	-	-	-					.18											
LAKE CHANDALAR		1.21						.17				.03	T	.01	.39	.02																	
LAKE MINCHUMINA FAA		3.10			T		T				.02	.09		T		.72	.37	T	T	.01	.19	.20	.31	T	.14		.34	T	.31	.39	.34	.02	.35	
LIVENGOOD	//	1.33										.32	.15								.78	T		.10	T		.05					T	
MANLEY HOT SPRINGS		1.32										.20									.55	.22		.36			.16						
MC GRATH AB AIRPORT	B	2.66									.02	.01				.02		.01	.03	.11	.29	.19					T				.27	.11	
MC KINLEY PARK		1.67							T		T	.41			T	T	.09	T		T	.77	.40					T	.09	.39		.39	.25	
[illegible]		[illegible]																															
NORTHWAY FAA AP		3.28	.08		T	T	.01	.30			T	T			T	.30	.03			T	.02	T	1.34	.14	.38	.15	.26	.10	.09		T	T	
RAMPART NO 2		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SUMMIT FAA		1.31			T		T	T		.09	.08	.22					.19			T	.29	.02	T	T		.01	.09	.02	.21	.38	.11	.18	
TANACROSS		2.69			.08			.36					.18							.26			.38	1.22		.10	.38		.07				
TANANA FAA		1.78								T		.02	T				.13			.31	.72	.08			T	.16			.01		.48	.17	
TOK		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
YUKON CAMP		.62	.04			.07	.06	.06			.14	.07	.08			T	.20			.34	.15	.19		.18	.14	.05	.76	.25	.03	.23	.33	.15	
[illegible]		[illegible]																															
VENETIE	//	.32																	.03			.13				.16							
WILD LAKE NO 2		1.01											T		.12		.01					.67	.14	T		.05							
ARCTIC DRAINAGE 09																																	
BARROW AB AIRPORT	//B	.36	T	T	T	T	.01			T	T	T	T	T	T				T	T	T	T	T	T	T	T	T	T		T	.39	
BARTER ISLAND AB AP	B	.39		T	.01	.01	T			.01	T	T	.03	.11						T	T	T	T	T	T	.16	.02	T	T		T	.20	
CAPE LISBURNE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
KOTZEBUE AB AIRPORT	//B	.16	.02			T						T	.01					T	T		T			T	.11	T		T					
WAINWRIGHT		.06		.01	T	T	T																T		T						.05		

15-12-371

15-2920. Susitna River at Gold Creek—Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	11,300								38,400	32,700	27,100	26,000
2	11,400								34,100	28,200	28,500	22,000
3	12,500								32,000	25,000	30,600	29,800
4	12,200								31,700	24,100		31,000
5	11,100								31,000	25,900		26,000
6	9,900											
7									28,700	27,200		
8									27,300	27,200		21,000
9								4,500	29,800	27,400		19,000
10									31,300	28,000		17,000
									34,600	26,200		15,000
11												15,000
12									44,700	24,900		
13									50,400	25,400		14,400
14									55,800	28,300		16,000
15		2,700	2,100	1,900	1,500	1,400	1,700		73,000	25,600		17,000
16									79,900	23,000		14,000
17									72,400	21,700		12,800
18									65,900	20,900	23,000	12,300
19	4,600								54,800	22,600		12,400
20									44,700	23,500		11,900
									42,400	23,000		11,300
21												11,400
22									44,200	27,200		
23									51,800	30,500		12,100
24								18,000	43,800	28,200		12,400
25									35,700	25,200		12,100
									31,100	27,800		11,900
26												12,800
27									30,000	28,900		
28									31,900	26,000		13,400
29									38,000	23,700		13,000
30									44,000	23,400		12,000
31								34,800	38,200	24,600		11,200
								36,000		25,200		10,700
TOTAL	183,400	81,000	65,100	58,900	42,000	43,400	51,000	390,300	1,298,2M	801,500	730,200	476,700
MEAN	5,916	2,700	2,100	1,900	1,500	1,400	1,700	12,590	43,270	25,850	23,550	15,890
MAX	12,500	-	-	-	-	-	-	36,000	79,900	32,700	-	31,000
MIN	-	-	-	-	-	-	-	-	27,500	20,900	-	10,700
AC-FT	363,600	160,700	129,100	116,800	83,310	86,060	101,200	774,100	2,575M	1,590M	1,448M	945,500

CAL YR 1961: TOTAL 3,860,200 MEAN 10,580 MAX 54,000 MIN - AC-FT 7,657,000
WAT YR 1962: TOTAL 4,221,700 MEAN 11,570 MAX 79,900 MIN - AC-FT 8,374,000

M Expressed in thousands.
Note.--No gage-height record Oct. 7 to May 29, Aug. 4 to Sept. 14 except for occasional days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	10,100									29,000	24,000	16,100
2	9,830									31,000	30,000	15,600
3	9,560									30,000	15,000	15,600
4	9,200									30,000	32,000	15,500
5	8,880									30,000	31,000	15,100
6	8,310											
7	8,170									33,000	30,000	14,900
8	7,870									35,000	28,000	14,600
9	7,500							3,400		37,600	25,000	14,500
10	7,000									36,000	21,000	14,600
										40,000	20,000	14,200
11	6,700											
12	6,600									42,000	21,000	14,100
13	6,600									44,000	21,000	13,800
14	6,700									41,000	20,000	13,100
15	6,600									39,000	20,000	12,700
		2,800	2,000	1,600	1,500	1,000	830		26,000	37,000	21,700	12,000
16	6,200											
17	6,100									43,000	22,600	11,600
18	6,000									47,000	22,600	11,600
19	5,900									49,000	24,600	10,900
20	5,800									32,000	25,900	10,800
										30,000	24,000	10,500
21	5,700											
22	5,600									29,000	22,300	10,600
23	5,600							31,000		28,000	21,600	10,200
24	5,500									30,000	23,300	9,790
25	5,500									38,000	23,000	9,630
										39,000	21,600	9,340
26	5,400											
27	5,400									35,000	22,600	9,428
28	5,400									31,000	23,100	9,520
29	5,100							38,200		27,000	21,700	9,520
30	4,600							43,600		24,000	19,300	9,838
31	4,600							45,000		24,000	17,300	9,838
								40,000		23,600	16,500	
TOTAL	208,420	84,000	62,000	49,600	42,000	31,000	24,900	589,800	780,000	1,068,4M	733,900	369,558
MEAN	6,723	2,800	2,000	1,600	1,500	1,000	830	19,030	26,000	34,400	23,670	12,320
MAX	10,100	-	-	-	-	-	-	45,000	-	49,000	35,000	16,100
MIN	4,600	-	-	-	-	-	-	-	-	23,600	16,500	9,340
AC-FT	413,400	166,600	123,000	98,380	83,310	61,490	49,390	1,170M	1,547M	2,115M	1,456M	733,000

CAL YR 1962: TOTAL 4,240,620 MEAN 11,630 MAX 79,900 MIN - AC-FT 8,423,000
WAT YR 1963: TOTAL 4,041,570 MEAN 11,070 MAX 49,000 MIN - AC-FT 8,016,000

M Expressed in thousands.
Note.--No gage-height record Oct. 25 to Aug. 14 except for occasional days.

15-12-279

DAILY PRECIPITATION

Continued

Station	Total	Day of Month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
INTERIOR BASIN																																
ALLAKAKET																																
BETTLES FAA AP																																
BIG DELTA FAA																																
CIRCLE CITY																																
CIRCLE HOT SPRINGS																																
COLLEGE WSO OBS																																
EIELSON FIELD																																
FAIRBANKS WB AP																																
FAIRWELL FAA																																
FORT YUKON FAA																																
HUGHES																																
LAKE MINCHUMINA FAA																																
MANLEY HOT SPRINGS																																
MC GRATH WB AP																																
MC KINLEY PARK																																
NENANA																																
NORTHWAY FAA AP																																
SUMMIT FAA																																
TANACROSS																																
TANANA FAA																																
TOK																																
TRUTH CAMP																																
UNIVERSITY EXP STA																																
ARCTIC DRAINAGE																																
BARROW WB AP																																
BARTER ISLAND WB AP																																
CAPE LISBURNE																																
CAPE THOMPSON																																
KOTZEBUE WB AP																																
WAINWRIGHT																																

SUPPLEMENTAL DATA

Station	Wind direction: Prevailing	Wind direction: Percent of time from prevailing	Wind speed m. p. h.: Average	Wind speed m. p. h.: Fastest mile	Wind speed m. p. h.: Direction of fastest mile	Wind speed m. p. h.: Date of fastest mile	Relative humidity averages - percent: 2:00 A.M. (150th M.T.)	Relative humidity averages - percent: 8:00 A.M. (150th M.T.)	Relative humidity averages - percent: 2:00 P.M. (150th M.T.)	Relative humidity averages - percent: 8:00 P.M. (150th M.T.)	Number of days with precipitation: Trace	01–09	10–49	50–99	100–199	200 and over	Total	Percent of possible sunshine	Average sky cover sunrise to sunset
ANCHORAGE WB AIRPORT	SSE	16	9.8	↔17	SSE	23↓	83	75	66	71	6	6	4	1	1	0	18	41	8.0
ANNETTE WB AIRPORT	SSE	17	7.1	↔21	SE	6↓	86	77	71	80	3	5	8	2	0	1	19	–	8.4
BARROW WB AIRPORT	NNE	11	10.8	↔29	E	1	90	89	84	85	12	7	0	0	0	0	19	–	8.2
BARTER ISLAND WB AIRPORT	ENE	19	10.5	↔38	W	5	90	88	87	87	11	5	0	0	0	0	16	–	8.3
BETHEL WB AIRPORT	NW	23	13.5	↔29	SW	1	91	85	66	69	7	8	3	0	0	0	18	–	7.6
COLD BAY WB AIRPORT	WNW	31	16.4	↔43	SSE	8	92	90	78	85	17	5	0	0	0	0	22	–	8.5
CORDOVA WB AIRPORT	ESE	12	6.1	↔18	SW	9	94	82	79	88	6	6	8	2	3	0	25	–	9.0
FAIRBANKS WB AIRPORT	SW	12	7.4	↔23	NE	22↓	80	60	42	50	6	3	2	1	1	0	13	–	7.1
JUNEAU WB AIRPORT	ESE	17	7.4	↔28	ESE	5	88	80	74	81	6	7	9	3	0	0	25	14	9.1
KING SALMON WB AIRPORT	SW	18	11.6	↔28	S	9	91	81	59	71	6	6	8	0	0	0	20	–	8.0
KOTZEBUE WB AIRPORT	WNW	35	10.2	↔23	WNW	21	91	89	86	86	5	9	3	0	0	0	17	–	7.9
MC GRATH WB AIRPORT	NNW	11	6.6	↔23	SW	7↓	78	66	54	57	8	6	5	0	0	0	19	–	7.7
NOME WB AIRPORT	WSW	17	12.2	↔32	NW	24	90	86	80	83	7	7	2	0	0	0	16	52	6.9
ST PAUL ISLAND WB AIRPORT	S	18	14.2	↔35	NW	22	98	97	88	91	6	12	3	0	0	0	21	–	8.6
SHEMYA WB AIRPORT	WSW	13	16.2	↔47	WSW	7	98	98	95	95	12	10	2	2	1	0	27	–	9.5
YAKUTAT WB AIRPORT	SE	11	7.3	↔26	SE	5	95	82	79	88	5	5	6	2	1	3	22	–	8.9

↔ FASTEST OBSERVED ONE MINUTE WIND SPEED. THIS STATION IS NOT EQUIPPED WITH AUTOMATIC RECORDING WIND INSTRUMENTS.

EVAPORATION AND WIND

Station		Day of month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total or Avg
MATANUSKA AGR EXP STA (A)	EVAP	.12	.11	.11	.10	.09	.15	.09	.15	.21	.09	.16	.05	.04	.07	.08	.24	.27	.06	.35	.16	.15	.12	.21	.18	*	*	.25	.13	*	.35		4.09
	WIND	51	55	55	46	36	49	23	45	62	36	26	20	42	48	20	48	54	23	44	36	20	18	31	24	11	14	20	11	*	23		991
UNIVERSITY EXP STA (B)	EVAP	.23	.16	.13	.06	.11	.16	.17	.13	.25	.24	.25	.23	.23	.14	.18	.22	.29	.25	.23	.36	.14	.13	.17	.16	.11	.14	.07	.13	.16	.27		5.50
	WIND	53	45	38	28	36	40	40	36	47	45	34	35	47	31	31	34	26	32	23	45	59	43	39	34	20	34	14	29	35	44		1098
	MAX	68	65	62	60	83	70	68	76	78	79	83	80	76	71	76	53	84	84	84	82	78	68	67	72	72	71	65	72	76	75		73.6
	MIN	48	46	41	47	42	43	51	44	45	50	56	54	58	57	53	53	60	49	57	58	54	49	47	43	52	53	51	54	51	54		50.7

MAXIMUM AND MINIMUM IN ABOVE TABLE REFER TO EXTREMES OF TEMPERATURE OF WATER IN PAN AS RECORDED DURING THE 24 HOURS ENDING AT THE TIME OF OBSERVATION.
(A) PAN PAINTED INSIDE WITH ALUMINUM PAINT.
(B) PAN PAINTED INSIDE AND OUTSIDE WITH ALUMINUM PAINT.

15-12-373

DAILY PRECIPITATION

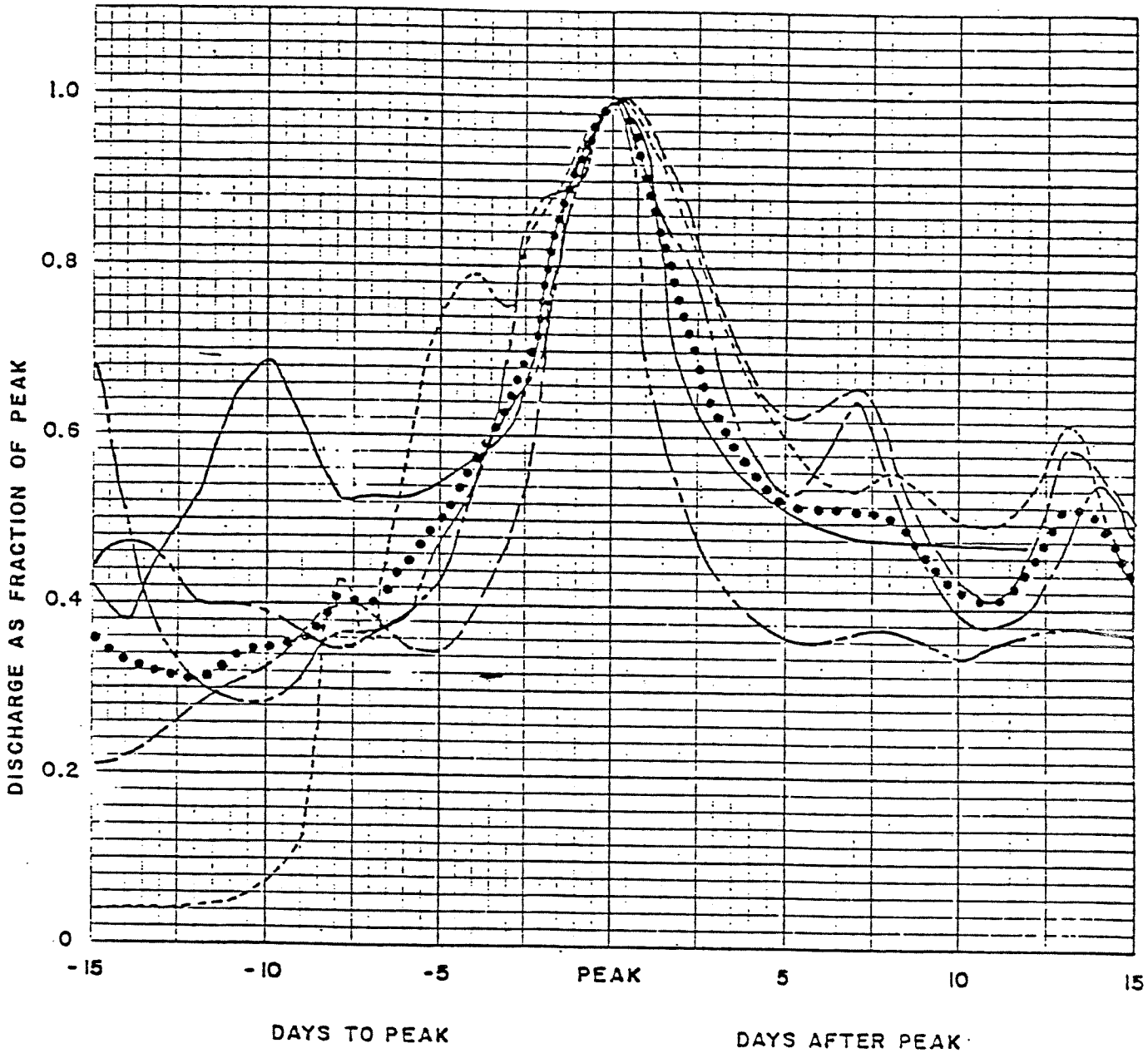
ALASKA
JUNE 1962

Station	Total	Day of Month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
SOUTHEASTER																																
ANGOON	2.92	.02			T	.89	.16	.30	.06	.11	T			.46	.26	.31	.02	T	.04	.39	T		T	.32	.17	.73		T	.00	.10	T	
ANNETTE WB AP	7.66	.10		.08	.11	T	3.19	.81		.83	T			.42	.52		.00	.19	.02	T				.68	.89				.07	.12	.88	
ANNES CREEK	10.95	.06	.85		.78	.64	.43	1.20	1.15	.38	.15		.22	.37	1.20	1.69	.37		.12	.09			.05	.12	.38	.62		.05	.36	.15		
BARANOF	5.76					.30	1.80	.30	.15	.09				.42	T	.06			.09	.06					1.36				.30	.21	.46	
BEAVER FALLS	7.66	.67			.32	.35	.32	1.96	.03		.04	.06			.67		.11	.45	.76			T	T	.19	1.26	.05			.07	.03	.82	
CAPE DECISION	6.36			T	.12	.26	1.78	.16	.42	.83				.87	.37	.37	.02	.12														
CAPE SPENCER	8.99			.02	.45	1.98	2.30	.06	.37			.62		1.63	.26	.25			.85			.01	.13	.23	.57	.33	T	.18	.06	.04		
ELDRED ROCK	1.89	T	.02			.39	1.20	T		T	T					.02							T		T						
FIVE FINGER LGT STA	6.21	.01		.01	.23	.21	.24	.61	.06	.16	.19			.76	.05	.06			.32	.22			.03	.21	.61	.29			.05	.68	.67	
GUARD ISLAND	6.24	.21		.01	.08	T	.24	.76	.06	.04	.08	.81		.66	.03		.13	.01	.09					.29	.58				.01		.98	
GUSTAVUS FAA	6.06	.03	.06	T	.07	.06	.29	.31	.02	.04		T		1.16	.12	.43				.22		T	.03	T	.35	.30	T	.02	.37	.42		
HAINES TERMINAL	2.95	.03				T	.90	.33		.17	T	.03		.30						.22		T			.22	.35	T					
HOLLIS	-	-	-	-	.59		1.06	.37	.23	.10	.01	T		.26	.19	.10	.06	.10	.01	.04		T	.16	.02	.05	T		.28	.04	.06		
JUNEAU WB AP	4.75	.38	T	T	.20	.28	.75	.69	.18	.09	.05	T		.06	.10	.26		T	.01	.02					.09	1.71	.10			.03	.49	.78	
KETCHIKAN	10.76	.15		.10	.48		1.01	3.75	.05	.16	.13	.06		T	.55		.16	.80	.18				.18		.03		.10	.22			.38	
LINCOLN ROCK LIGHT STA	3.69			.16	.42	.15	.53	.31	.20		.16			.27	.22																	
LINGER LONGER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LITTLE PORT WALTER	13.72	.01			.01	1.70	4.89	.86	.25	.03	T			.84	.02	.08	.09	.07	.02	.06	.01		.12	.79	.80	T		1.36	.32	.81	
PETERSBURG	6.85	.16	.03	.03	.17	.22	.96	.04	.27	.06	.11	T		.26	.35	.04	.06	.02	.17	.09			.11	.05	.67	.41		T	.17	.93	.55	
POINT RETREAT LIGHT STA	4.58	.12	.02		.03	.38	.86	.51	.20	.04	.01			.90	.28	.06				.02			.04	.03	.16	.42			.25	.27		
PORT ALEXANDER	9.09				.12	.30	5.67	1.29	.46	.04	T			1.05		.13		.13	T				T	T	1.10	.41		T	.57	T		
SITKA FAA	7.63	.03	.19	.08	.18	.66	.39	.60	.27	.38	.03	.02		1.95	.31	.22		T	.11	.17		.01	.16	T	.61	.06		.04	.46	.29	.05	
SITKA MAGNETIC	6.03	.05	.06	.12	.06	.20	.59	.67	.39	.29	.09	T	T	.10	1.73	.24	.17	T	.01	.21	T		.11	.36	.65	.37	.02	T	.08	.55	.38	
SEAGRAV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TREE POINT LIGHT STA	7.52	.11			.62	.16	1.51	3.13		.02	.06	.02			.18		.38	.26	.06						.18	.51			.12	.07	.35	
WRANGELL	5.89	.25	.01		.10	.16	1.20	1.50	.30	.17	.16	T		.08	.56	.02		.03	.10	.31			.03	.25	.44	.89			.34	.23	.16	
SOUTH COAST																																
CAPE HINCHINBROOK	5.28	.18	T	T		1.12	1.25						.22	1.05	.28							.15	T	.51		.72	T	T	T			
CAPE ST ELIAS	10.69	.02	.01	.27	.26	1.25	.76	.17				.03	1.07	2.16		T					T	1.83	1.87	.24	T	T	.68	.69	T	T		
COOPER LAKE PROJECT	3.99			.40	1.33	.60	T						.02	.61	.09	T							.07	.05	.03		.61	.30	.17			
CORDOVA	10.66	.13	.06	.07	.09	3.42	2.30	.65	.01				T	.07	.13	.47	T	.08	.01	T	T	T	1.02	.28	.31			.68	.37	.04	.02	T
CORDOVA WB AP	7.36	.16	.03	.44	.69	1.15	1.19	.76						.80	.23	.15										.10						
KIYOI BAY	1.90				.50		.10							.09	.17	T	T		.89		T	T	T	T		T		T			
KODIAK NAS	1.66	T	T	T	.37	.06	.16		.13	.03				.23	.35						.01	.02	.01								
LAZY BAY	1.85	.04	.18			.42	.07	.05	.18	.26	.40	.01		.16	.03	.01							T	.02	.31		.27	.12	.09			
SEWARD	2.86	.28	.33	.02	.04	.22	.03	T						.37	.06	.06	T										.01					
SHEARWATER BAY	1.51				.17	.16	.46		.19					.23	.35						T											
SITKINAK	1.79	.22			.31	.24		.87	.21	.20	.02	.26		.26													.01					
UGANIK BAY	.69	.02		.01	.10	.12	.03			.12				.11	.18							.03	.26	.87			.21	.14	.33	.30		
VALDEZ	3.55	.06	.01	.01		.35	.17	.19							.71	.22	.03						.30	.29	.28	T	.27	.14	.16		T	
WHITTIER	10.33	.20	.67			2.15	2.26	.19						.04	1.35	.75							.03	.83	.05			.12				
YAKATAGA FAA	6.61			.02	.08	1.06	1.40	.79	.01					.08	1.12	.31	T	T					.17	2.74	.07	.02	.83	T	.11	.01			
YAKUTAT WB AP	13.88			.03	.09	2.87	1.39	.46	.12	T	T	T	T	3.95	.28	.19	.15															
SOUTHWESTERN ISLANDS																																
ADAK	4.07	T	.28	.26	T		.46	.36	.24	.18					T	.06	.29	.12	.67	.18	T	.31					T	.21	.07	.38	.47	.01	
ATTU	3.94	.68	T			.35	1.07	.30						.03	.28	T	.20	.30	.18					.05	.03	.05	T	.36	.20	.02		.22
CAPE SABICHEF LGT STA	.30	T	T		.02	.01	T	.02			T												T	T	T	T	T			.02		T
COLD BAY WB AP	.12	T	T	T	T	.01	T	.03	T	T	.01	.09	T	.02	T	T											T					
ST PAUL ISLAND WB AP	.99	T	.01	.01	.04	T	.07	.31	.03	.07	.04	.02	.01	.01	T									T	.01	.04	T	.16	.04	T	T	T
SHEMYA WB AP	2.79	T	.03	.01	T	.08	.99	.09	.01			T	1.02	.02	T	.11	.59	.03	T	T	T		T	.01	.04	T	.18	.04	T	T	T	
UMNAK	1.66				.15	.06		.14	.02	.23																				.13	.93	
COPPER RIVER																																
ERLUTNA LAKE	2.17	.20	.14				.10	.11						.09	.33	.09						.09				.32	.19	.30	.09		
EUREKA	5.31		.02	.15	.09		.05	.22						T	.28	.46	.18		T	T		.02	.97	.08	.03	Tr	.02	.30	2.04	.61	.03	
GULKANA FAA	.07			.26			T	.02					T	T	.19	.29			T			.78	.26	.14	.25			.27	1.29	.20	T	
[illegible]	.19	.06						.13							.07																	
SHEEP MOUNTAIN	5.87			.25	T			1.13							.98	.27	T	T				T	.55	.46	T			T	1.90	.18	.15	
COOK INLET																																
ANCHORAGE WB AP	3.40	.05	.12	.36	.33	T	T	.02		T	T		1.62	.57	.02								T		T	.21	.14	.29	.12			
[illegible]	.19		.01	.04		.39							.25	.36	.16																	
DEVILS CLUB	1.87		.19	.14	.21	.33	.10	T					.07	.63	.40	.01							.03	.14	T	.01		.29	.29	.69	.01	T
ELUTNA PROJECT	1.68	T	.07	.10	.06	T	T	.48			T		T	.31	.58	.02	T						T		T		.22	.25	.22	.40		T
ELMENDORF AF BASE	3.12	T	.10	T	.02	T	T	T		T	T		1.31	.58	.02	T							T		T			.19	.09	.30		
GIRDWOOD	2.27	T	.11	.06	.09	.23	.03	.01					.20	.46	.12								T	.18	.04	T		.10	.36	.01		
HOMER FAA	2.47	.04	.37	.10	.33	T	.02		.03	T		.12	.69	.09	.01	T										.04		.10	.36			
HOMER 5 NW	3.26	.05	.03	.23	.32	.11	.28		.04			T	.91	.77	.08								T		.09		.04	.63	.04			
KASILOF	1.96	.05	.05	.16	.18		T		T				.65	.36	.13										.09	.09	T	.32	T			
KENAI FAA	2.37	.10	.09	.07	.11	T	.09		T	T	.02	.02	.96	.42	.02					T	T		T				.34	.11	.04	T			
KATAMUSKA AGR EXP STA	3.73		.05	.10	.09	T	.01	.26	.04				.23	.57	.25	.02							.03	.23				.16	.71	.82	.10	.10
NINILCHIK	1.69										.05		.35	.45																		
PALMER AAES	3.13		.01	.11	.08	.01		.35	.05		.02		.32	.25	.62	.03	.01							.24			.08	.40	.79	.03	.03	
PALMER 1 N	3.28		.13	.13	.03			.38					.24	.61	.34	.02							.02	.20			.16	.41	.81			
PALMER 2 ESE	3.02			.14	.05			.30	.37				.68	.35	.32	.01									.29		.13		1.00		.02	
PURTILLA	1.82	T	.30	.11	.10	.08						.18	.86	T							T					T	.06	.35	T	T		
SOLDATNA	2.09		.07	.12		.09		.82			T		.09	.90	.65													.50	T	.24	.05	
SUMMIT MINE SITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TALKEETNA 5 W	3.39	T	.57	.10	.14	T	T	.03			T		.10	1.04	.30										.07		.11	.89	T	T		
TALKEETNA FAA AP	1.22	.15	.62	.05	.10	T	T			T	T		.37	.88	.19	T											.10	.67	.11	T		
[illegible]	3.79	.04			.33	.02		.03					.04	.14	.03	.03											.06	.26				
WILLOW	3.29		.30			T	T						T	1.04	.73	T							.10				.90	.38	.18			
BRISTOL BAY																																
ALEKNAGIK	1.96	.10	.06		.18		T		.19	.91		.18	.04	.21	.02										.09	.19	.03				
BROOKS LAKE	2.36	.03	.26	.04		.19		.08	.05	.02	T	.07	.12	.30	T												.03					
CAPE NEWENHAM	2.62	.01	.17	T	T	T	T	.37	.87	.65	T	.58	.11	.33	T														T			
DILLINGHAM	1.30	.13	.09			.13	.10	.06		.06	.11	.07	.10	.07	.11												.11	.16				
ILIAMNA FAA	2.68	.19	.47	.06	.09	.12	.09	T	.12	.09	T	T	.37	.23	.24	.07											.10	.46	.37	T		
INTRICATE BAY	2.41	.08	.09	.27	.18	.05	.07		.07	T	T	T		.26	.26	.29				.01	.03						.11	.32	.20	.02	T	
KING SALMON WB AP	1.66	.18	.29	T	.01	.09	.18	.02	.13	T	T	.10	T		.33	.01						T					.10	.25	.24	.23	T	
PORT ALSWORTH	2.20	T		.36	.01	.12							T	.29	.32	.09											.29	.25	.69			
PORT HEIDEN	1.41	.06	.60		.16	T	T	.04	.62							.02								.03			.16	.34	.28			
SPARREVOHN	3.68	.03	.28	.07	.05	.01	.09		.87	T			.02	.29	1.63	.67						T					.29	.25	.61	T		
WEST CENTRAL																																
ANIAK FAA	.58	.13	.11	.01	T	T	T	T	.02	.06	.01	.05	T	.03									T		.02	.14	T	T				
BETHEL WB AP	.76	.01	.04	T	T	T	T	.05	.10	.07	T	.17	.15	.01	T								T		.05	.03	.06	T				
CAPE ROMANZOF	1.23	.06	.18	T	.01	T	.01	.38	.19	.09	T	.26	.04	-	T								T	T	T	.02	T					
HOLY CROSS	1.08	.40	.27						.16	.08			.11	.06																		
MOSES POINT FAA	1.59	.17	.03	.01	.01		T	T	T	.07	.15	.42	.13	.02									T	T	.19	.42	T	.29				
MOUNTAIN VILLAGE	-	.30	.03		.02	T	T	.09	.14	.15			.16										T	T	.09	T	T	T	T			
NOME WB AP	.63	.03	T				.01	.31	.02	.14	.01	.01	.15										T		T	T	T	T				
NORTHEAST CAPE	-	T	T	.03	T	T	.13	T	T	T	T	T	.06	.26	T												.32					
NUNIVAK	.72	T			T	T					.51			.19													.04	.21				
PLATINUM	2.23	.06	T	.48		T			.30	.90	T	.02	.10															T				
TELLER	.02						T					.01														.01						
UNALAKLEET FAA	1.99	.27	.19	.02	T	.42	.01	T	T	.04	.26	.24	.15	.06				T					T	T								
WALES AP	1.00	.16	.27	T	T		.01		T	.03	.04	.17	.13						T				T			.10	.10	.21				

Susitna R. @ Gold Cr.

June - 15 - 1962 79,900 c.f.s peak

15-12-374



SUSITNA RIVER AT GOLD CREEK

LEGEND

	Date	Peak Discharge (cfs)
• • • • • • •	Median Curve	
———	June 23, 1961	54,000
— — — —	June 15, 1962	79,900
- - - - - - -	June 7, 1964	85,900
— — — —	June 6, 1966	58,400
———	June 17, 1972	70,700

ACRES

ALASKA POWER AUTHORI

SUSITNA HYDROELECTRIC PROJ

FLOOD STUDIES

DIMENSIONLESS HYDROGRAPHS

MAY - JULY 15-12-37

R&M CONSULTANTS, INC.

MARCH 1981

1953

2920. Susitna River at Gold Creek

Location.--Lat 62°46'15", long 149°41'20", on right bank 0.2 mile upstream from Gold Creek, 0.3 mile upstream from Alaska Railroad bridge, 1 mile north of Gold Creek railroad station, and 1.7 miles downstream from Indian River.

Drainage area.--6,160 sq mi, approximately (includes that of Gold Creek).

Records available.--Discharge: August 1949 to September 1959.
Chemical analyses: May 1951 to October 1952, October to November 1953, June to September 1955, June 1956, January to September 1957.
Water temperatures: June to September 1957.
Sediment records: April to September 1952 and June to September 1957 (daily); May 1953 to August 1956 (periodic, summer months only).

Gage.--Water-stage recorder. Datum of gage is 676.50 ft above mean sea level. Prior to June 6, 1957, wire-weight gage at site 0.3 mile downstream at same datum.

Average discharge.--10 years, 9,856 cfs (7,135,000 acre-ft per year).

Extremes.--Maximum discharge during year, 62,300 cfs Aug. 25 (gage height, 15.42 ft); minimum not determined.
1949-59: Maximum discharge, that of Aug. 25, 1959; maximum gage height observed, 24.48 ft May 10, 1954 (ice jam), site then in use; minimum discharge not determined. Flood in May 1919 reached a stage of 19.2 ft, result of ice jam, from information by Bureau of Reclamation.

Remarks.--Records poor. Large diurnal fluctuation caused by glacier melt at source.

Discharge, in cubic feet per second, water year October 1958 to September 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5,900								18,100	30,200	25,400	41,000
2	6,200						(*)		19,600	27,600	25,000	38,000
3	6,600								22,400	27,400	24,000	*35,000
4	6,400								27,800	23,800	24,000	32,000
5	6,000								28,000	23,000	22,000	27,400
6	5,600							3,400				
7	*5,240								28,000	26,000	19,700	24,600
8	5,100	2,600	1,100	(*)	1,400				27,000	26,600	18,600	22,600
9	5,200			1,500			1,000		26,000	25,000	*16,700	21,300
10	5,400								23,000	23,900	17,000	19,800
11									20,000	21,300	17,600	16,700
12									19,000	19,900	18,800	15,100
13		(*)							18,000	24,300	20,200	13,900
14								7,400	19,100	32,000	21,100	13,200
15									19,200	31,000	22,800	12,700
16	5,300					980			20,400	29,000	23,300	12,400
17								15,000	21,400	*27,200	25,000	12,200
18								22,000	22,200	28,000	26,000	12,000
19								37,000	23,000	30,000	29,000	11,300
20					(*)			39,600	23,000	29,000	38,000	11,000
21								34,900	22,000	25,000	41,400	11,000
22								29,100	23,000	24,000	40,000	10,500
23		1,700	1,900	1,400	1,200		1,500	*26,000	24,000	23,000	31,000	9,960
24								23,000	25,000	21,000	40,000	10,100
25								25,000	27,000	22,000	59,700	10,500
26	3,500							27,000	*27,600	22,200	59,100	10,800
27								27,400	25,000	22,000	51,200	11,000
28								23,200	23,500	21,000	45,000	10,400
29								23,200	23,700	20,600	43,000	10,400
30								27,600	25,400	21,400	46,000	9,650
31								24,200	29,100	21,600	37,000	11,200
								20,400		25,800	39,000	
Total	149,140	64,500	46,900	44,900	36,600	30,380	37,500	495,600	699,700	775,000	966,600	507,710
Mean	4,811	2,150	1,513	1,448	1,307	980	1,250	15,990	23,320	25,000	31,180	16,920
Ac-ft	295,800	127,900	93,020	89,060	72,600	60,260	74,380	983,000	‡1,388	‡1,537	‡1,917	‡1,007

Calendar year 1958: Max 47,800 Min - Mean 8,890 Ac-ft 6,436,000
Water year 1958-59: Max 59,700 Min - Mean 10,560 Ac-ft 7,645,000

* Discharge measurement made on this day.
‡ Expressed in thousands.
Note.--No gage-height record Oct. 1-6, 8-10, Oct. 17 to May 18, except occasional readings (stage-discharge relation affected by ice during most of periods), May 23-25, June 5-11, 18-24, July 13-15, 17-24, 26, 27, Aug. 2, 3, 9, 16-19, 21-23, Aug. 27 to Sept. 2. Discharge estimated on basis of 10 discharge measurements, weather records, and records for station near Denali, Matanuska River at Palmer, Chulitna River near Talkeetna, and Nenana River near Healy.

15-12-376

15292000 SUSITNA RIVER AT GOLD CREEK--CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1966 TO SEPTEMBER 1967

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6490	1600	1500	1500	1400	1200	1100	1700	27900	25000	27600	19100
2	7140	1600	1500	1500	1400	1200	1100	1800	26000	21700	30000	25300
3	7230	1600	1500	1500	1400	1200	1100	1900	24300	19600	24000	21800
4	7080	1600	1500	1500	1400	1200	1100	2000	24400	20500	25000	21800
5	7530	1600	1500	1500	1400	1200	1100	2200	24200	20300	24200	19900
6	6460	1600	1500	1500	1400	1200	1100	2500	31700	21600	23000	19700
7	6400	1600	1530	1500	1400	1200	1100	2900	27100	21500	21800	20600
8	5420	1600	1500	1500	1400	1200	1100	3400	22900	22100	21400	25000
9	5250	1600	1500	1500	1400	1200	1100	4500	24000	23700	23800	21900
10	4650	1600	1500	1500	1400	1200	1100	5600	32800	22800	28000	19600
11	3860	1600	1500	1500	1400	1200	1100	6400	34600	21100	32700	17900
12	4520	1600	1500	1500	1400	1200	1100	6400	32600	20500	33600	16500
13	4950	1600	1500	1500	1400	1200	1100	11000	35300	20100	40200	15400
14	4100	1600	1500	1500	1400	1200	1100	15000	32000	20500	44600	14600
15	4050	1600	1500	1500	1400	1200	1100	14000	34200	21200	74000	14300
16	4200	1600	1500	1500	1400	1200	1100	23000	32600	21300	62600	13800
17	3000	1600	1500	1500	1400	1200	1100	22000	29000	22500	57500	13700
18	3300	1600	1500	1500	1400	1200	1100	17000	28800	22200	45000	12500
19	3000	1600	1500	1500	1400	1200	1100	14000	29500	25600	37200	12600
20	3000	1600	1500	1500	1400	1200	1100	15000	29100	46200	32600	12600
21	2800	1600	1500	1500	1400	1200	1300	18000	29800	50000	30000	11600
22	2700	1600	1500	1500	1400	1200	1300	21000	29600	42500	29700	11200
23	2600	1600	1500	1500	1400	1200	1300	24300	27300	34600	28000	10400
24	2500	1600	1500	1500	1400	1200	1300	28400	25600	30000	27900	10100
25	2400	1600	1500	1500	1400	1200	1300	30700	25700	30000	26700	9700
26	2300	1600	1500	1500	1400	1200	1300	29000	24600	27600	23000	9500
27	2200	1600	1500	1500	1400	1200	1300	24600	29900	35600	22100	9300
28	2100	1600	1500	1500	1400	1200	1300	28900	30000	32000	21300	9200
29	2000	1600	1500	1500	---	1200	1300	31700	31200	27000	20000	8900
30	1900	1600	1500	1500	---	1200	1300	30000	29700	24800	19100	8600
31	1800	---	1500	1500	---	1200	---	29400	---	24600	18900	---
TOTAL	129050	48000	46500	46500	39200	37200	35000	479900	885400	810800	1011300	506020
MEAN	4162	1600	1500	1500	1400	1200	1167	15480	29513	26000	32622	16867
MAX	7530	1600	1500	1500	1400	1200	1300	31700	34800	50000	74000	31800
MIN	1800	1600	1500	1500	1400	1200	1100	1700	22900	19600	18900	8600
AC-FT	256000	95210	92230	92230	77750	73790	69420	951900	1756000	1608000	2006000	1004000

CAL YR 1966 TOTAL 3329500 MEAN 9121 MAX 58400 MIN 1300 AC-FT 6604000
WTR YR 1967 TOTAL 4894870 MEAN 11210 MAX 76000 MIN 1100 AC-FT 8122000

NOTE.--NO GAGE-HEIGHT RECORD NOV. 26 TO APR. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1967 TO SEPTEMBER 1968

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8010	2800	2100	2000	1900	1900	1900	2700	26600	27000	21700	11900
2	7840	2800	2100	2000	1900	1900	1900	2700	25200	30700	21400	11500
3	7290	2700	2100	2000	1900	1900	1900	2300	23000	32000	21800	11100
4	7050	2700	2100	2000	1900	1900	1900	2300	24800	32600	20900	10700
5	6330	2600	2100	2000	1900	1900	1900	2400	26600	30000	19500	10200
6	5900	2600	2100	2000	1900	1900	1800	2900	26600	27600	19200	10000
7	5700	2500	2100	2000	1900	1900	1800	2500	27400	26700	19300	11900
8	5700	2400	2100	2000	1900	1900	1800	2400	25400	24600	20500	13400
9	5750	2300	2100	2000	1900	1900	1800	2700	23400	27000	21200	13200
10	5700	2300	2100	2000	1900	1900	1800	2900	30600	25800	21200	12000
11	5600	2300	2100	2000	1900	1900	1800	3400	34200	25700	20100	12100
12	5750	2300	2100	2000	1900	1900	1800	4000	38100	24700	18200	11500
13	5600	2300	2100	2000	1900	1900	1800	5700	34100	23600	17800	10700
14	5500	2300	2100	2000	1900	1900	1800	7000	33500	26300	17900	9800
15	5300	2300	2100	2000	1900	1900	1800	9400	34500	30100	18400	9000
16	4920	2300	2100	2000	1900	1900	1900	12000	34800	29200	16400	8670
17	4720	2300	2100	2000	1900	1900	1900	15000	38000	26000	14500	7950
18	4300	2300	2000	2000	1900	1900	1900	18000	35400	24600	13900	7440
19	4220	2300	2000	2000	1900	1900	1900	25000	37800	23400	14200	7230
20	3900	2200	2000	2000	1900	1900	1900	31000	38800	23000	14700	6780
21	3800	2200	2000	2000	1900	1900	1900	34000	38600	23900	15200	6620
22	3700	2200	2000	2000	1900	1900	1900	30700	38600	24300	15900	6180
23	3600	2200	2000	2000	1900	1900	2000	35700	34200	23400	14400	5920
24	3500	2200	2000	2000	1900	1900	2000	32900	28100	24400	15600	5620
25	3400	2200	2000	2000	1900	1900	2000	32100	25100	25000	15400	5420
26	3330	2200	2000	1900	1900	1900	2000	29900	24100	24200	15200	5480
27	3200	2200	2000	1900	1900	1900	2100	28100	27400	26000	14400	5500
28	3100	2200	2000	1900	1900	1900	2100	29100	30800	27600	13900	5400
29	3100	2200	2000	1900	1900	1900	2100	29000	29000	26000	13000	5400
30	3000	2200	2000	1900	---	1900	2200	27700	26400	22300	13100	5420
31	2900	---	2000	1900	---	1900	---	27500	---	21600	12400	---
TOTAL	151900	70600	63700	61600	55100	58900	57300	501500	944500	819100	537200	244670
MEAN	4900	2353	2054	1986	1900	1900	1911	16177	31555	26422	17147	8115
MAX	8010	2800	2100	2000	1900	1900	2200	34000	38800	32000	21800	13400
MIN	2900	2200	2000	1900	1900	1900	1800	2300	23000	21600	12800	5400
AC-FT	301300	140000	126300	121800	109900	116800	113700	994700	1877000	1625000	1058000	524600

CAL YR 1967 TOTAL 4157520 MEAN 11390 MAX 76000 MIN 1100 AC-FT 8244000
WTR YR 1968 TOTAL 3582670 MEAN 9798 MAX 38700 MIN 1800 AC-FT 7104000

NOTE.--NO GAGE-HEIGHT RECORD NOV. 30 TO JAN. 11.

15-12-377

15292000 Susitna River at Gold Creek

LOCATION.--Lat 62°46'04", long 149°41'28", in NW¼ sec.20, T.31 N., R.2 W., near left bank under Alaska Railroad bridge, 0.1 mile downstream from Gold Creek, 0.9 mile north of Gold Creek railroad station, and 2.0 miles downstream from Indian River.

DRAINAGE AREA.--6,160 sq mi, approximately.

PERIOD OF RECORD.--August 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is 676.50 ft above mean sea level. Prior to June 6, 1957, nonrecording gage at same site and datum. June 7, 1957 to June 2, 1964, water-stage recorder at site 0.3 mile upstream at same datum.

AVERAGE DISCHARGE.--22 years, 9,797 cfs (7,098,000 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 87,400 cfs Aug. 10 (gage height, 16.36 ft); minimum daily discharge, 950 cfs Mar. 1 to Apr. 5.
Period of record: Maximum discharge, 90,700 cfs June 7, 1964 (gage height, 16.58 ft); maximum gage height observed, 24.48 ft May 10, 1954 (ice jam); minimum discharge not determined.

REMARKS.--Records good except those for the period of no gage-height record.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7,620	4,000	2,600	1,800	1,100	950	950	1,400	10,000	38,300	21,900	17,400
2	9,000	4,000	2,600	1,800	1,100	950	950	1,500	10,000	27,800	26,400	22,800
3	7,500	4,000	2,600	1,700	1,100	950	950	1,500	10,000	22,700	30,500	27,000
4	6,500	4,000	2,600	1,700	1,100	950	950	1,600	12,000	21,000	26,500	26,700
5	6,000	4,000	2,600	1,700	1,100	950	950	1,600	16,000	20,700	23,100	24,100
6	6,000	3,800	2,600	1,700	1,100	950	1,000	1,700	22,000	20,300	22,700	22,100
7	6,500	3,800	2,600	1,600	1,100	950	1,000	1,700	30,000	20,500	27,100	19,900
8	6,500	3,800	2,600	1,600	1,100	950	1,000	1,800	34,000	21,000	35,700	17,400
9	6,000	3,800	2,400	1,600	1,100	950	1,000	1,900	36,000	20,700	51,000	16,900
10	6,000	3,800	2,400	1,600	1,100	950	1,000	2,000	50,000	22,100	77,700	16,800
11	6,000	3,600	2,400	1,500	1,000	950	1,000	2,000	59,000	22,400	75,900	16,200
12	5,500	3,600	2,400	1,500	1,000	950	1,000	2,200	66,300	24,000	64,600	14,400
13	5,500	3,600	2,400	1,500	1,000	950	1,000	2,200	51,700	29,600	51,100	13,200
14	5,500	3,600	2,400	1,500	1,000	950	1,000	2,400	41,000	34,500	46,500	12,600
15	5,000	3,400	2,400	1,500	1,000	950	1,000	2,600	34,000	36,700	38,400	12,000
16	5,000	3,400	2,400	1,400	1,000	950	1,100	2,800	28,300	36,100	30,800	11,700
17	4,800	3,400	2,400	1,400	1,000	950	1,100	3,000	24,900	33,600	26,000	11,300
18	4,800	3,200	2,200	1,400	1,000	950	1,100	3,200	24,800	27,800	22,600	10,900
19	4,800	3,200	2,200	1,400	1,000	950	1,100	3,400	24,300	23,600	20,300	10,300
20	4,600	3,200	2,200	1,300	1,000	950	1,100	3,600	25,800	21,300	24,700	10,400
21	4,400	3,000	2,200	1,300	1,000	950	1,100	3,800	29,800	21,800	31,600	11,100
22	4,200	3,000	2,200	1,300	1,000	950	1,200	4,400	34,400	21,700	27,700	11,500
23	4,200	3,000	2,000	1,300	1,000	950	1,200	4,800	36,600	18,700	22,900	11,800
24	4,000	3,000	2,000	1,200	1,000	950	1,200	5,500	41,600	16,000	21,400	11,100
25	4,000	3,000	2,000	1,200	1,000	950	1,200	6,000	42,000	14,500	22,300	10,300
26	4,000	2,800	2,000	1,200	1,000	950	1,200	6,500	39,300	17,000	22,700	9,520
27	4,000	2,800	2,000	1,200	1,000	950	1,200	7,000	38,200	21,400	22,300	9,060
28	4,000	2,800	2,000	1,200	1,000	950	1,300	7,500	37,800	21,400	21,300	8,470
29	4,000	2,800	1,900	1,200	------	950	1,300	8,000	36,400	22,500	18,900	8,160
30	4,000	2,800	1,900	1,200	------	950	1,300	9,000	41,800	21,400	17,000	8,160
31	4,000	------	1,800	1,200	------	950	------	9,500	------	21,300	16,700	------
TOTAL	163,920	102,200	71,000	44,700	29,000	29,450	32,450	116,100	988,000	742,400	989,100	433,270
MEAN	5,288	3,407	2,290	1,442	1,036	950	1,082	3,745	32,930	23,950	31,910	14,440
MAX	9,000	4,000	2,600	1,800	1,100	950	1,300	9,500	66,300	38,300	77,700	27,000
MIN	4,000	2,800	1,800	1,200	1,000	950	950	1,400	10,000	14,500	16,700	8,160
AC-FT	325,100	202,700	140,800	88,660	57,520	58,410	64,360	230,300	1,960M	1,473M	1,962M	859,400

CAL YR 1970 TOTAL 2,947,860 MEAN 8,076 MAX 31,600 MIN 750 AC-FT 5,847,000
WTR YR 1971 TOTAL 3,741,590 MEAN 10,250 MAX 77,700 MIN 950 AC-FT 7,421,000

NOTE.--No gage-height record Oct. 2 to June 9.

M.--Expressed in thousands.

15-12-378

2920. Susitna River at Gold Creek

Location.--Lat 62°46'15", long 149°41'20", on right bank 0.2 mile upstream from Gold Creek, 0.3 mile upstream from Alaska Railroad bridge, 1 mile north of Gold Creek railroad station, and 1.7 miles downstream from Indian River.

Drainage area.--6,160 sq mi, approximately (includes that of Gold Creek).

Records available.--Discharge: August 1949 to September 1958.
Chemical analyses: May 1951 to October 1952, October to November 1953, June to September 1955, June 1956, January to September 1957.
Water temperatures: June to September 1957.
Sediment records: April to September 1952 and June to September 1957 (daily); May 1953 to August 1956 (periodic, summer months only).

Gage.--Water-stage recorder. Datum of gage is 676.50 ft above mean sea level. Prior to June 6, 1957, wire-weight gage at site 0.3 mile downstream at same datum.

Average discharge.--9 years, 9,778 cfs (7,079,000 acre-ft per year).

Extremes.--Maximum discharge during year, 49,600 cfs Aug. 3 (gage height, 14.74 ft); maximum gage height, 14.91 ft Dec. 21 (ice jam); minimum discharge not determined.
1949-58: Maximum discharge observed, 58,100 cfs Aug. 26, 1955 (gage height, 14.20 ft), site then in use; maximum gage height observed, 24.48 ft May 10, 1954 (ice jam), site then in use; minimum discharge not determined.
Flood in May 1919 reached a stage of 19.2 ft, result of ice jam, from information by Bureau of Reclamation.

Remarks.--Records poor. Large diurnal fluctuation caused by glacier melt at source.

Discharge, in cubic feet per second, water year October 1957 to September 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12,600	5,300	4,000	2,300	1,400		1,100	3,420			36,800	
2	*10,800	5,200	4,100	2,400	1,400		*1,100	4,040			42,900	
3	10,400	5,100	4,200	2,400	1,400		1,200	4,170			47,800	
4	10,000	5,000	4,300	2,500	1,400		1,200	5,110			47,100	
5	9,500	4,900	4,400	2,300	1,400		1,200	*5,550			36,000	
6	9,600	4,800	4,400	2,500	1,300		1,300	5,500			29,100	
7	9,430	4,600	4,400	2,500	1,300		1,300	6,100			28,600	
8	9,870	*4,400	4,300	2,400	1,300	1,200	1,400	7,010			a27,000	a6,500
9	9,740	4,270	4,200	2,200	1,400		1,400	7,250			a25,000	
10	9,610	4,360	4,100	2,100	1,400		1,300	9,080	a28,000		a24,000	
11	9,340	4,320	4,000	2,000	1,300		1,300	9,450			a25,000	
12	8,880	4,230	3,800	1,900	1,300		1,300	10,800			a22,000	
13	7,770	3,910	3,700	1,800	1,300		1,300	10,400		a22,000	21,900	
14	6,840	3,720	3,500	1,800	1,300		1,400	12,000			21,200	
15	6,610	3,740	3,400	1,800	1,300		1,400	11,200			a21,000	
16	6,740	3,740	*3,280	1,800	1,300		1,400	11,000			a20,000	
17	6,900	3,930	3,110	1,800	1,300		1,500	10,500			a19,000	
18	7,220	3,820	3,000	1,900	1,200		1,500	a10,000			a18,000	
19	7,540	3,680	a2,900	1,900	1,200		1,500	a12,000			a18,000	
20	7,610	3,520	a2,700	2,000	1,200		1,500	13,800	*19,000		a18,000	
21	7,990	3,280	2,600	2,000	1,200		1,400	a17,000			a18,000	
22	8,380	3,090	2,500	1,900	1,200		1,400	a23,000			a17,000	
23	9,000	2,900	2,400	1,800	1,200		1,400	a25,000			a16,000	a6,600
24	8,800	2,900	2,300	1,700	1,200	1,100	a1,500	a23,000			a15,000	
25	7,400	2,900	2,300	1,700	1,200		a1,700	a23,000	a22,000	21,000	a14,000	
26	6,600	3,000	2,200	1,600	1,200		a1,900	a22,000		a19,000	a13,000	
27	6,200	3,200	2,200	1,600	1,200		a2,100	a19,000		a21,000	a13,000	
28	6,000	3,400	2,200	1,500	1,200		2,360	a17,000		a24,000	*12,400	
29	6,200	3,600	2,200	*1,500	-		2,620	a17,000		a32,000	12,000	
30	5,800	3,800	2,200	1,500	-------		3,020	*20,400		*31,800	a11,000	
31	5,400	-------	2,300	1,500	-------		-------	a25,000	-------	32,400	a11,000	-------
Total	254,570	118,610	101,170	60,900	38,600	35,600	46,000	399,770	771,000	709,200	698,800	226,500
Mean	8,212	3,954	3,264	1,965	1,307	1,148	1,533	12,900	25,700	22,880	22,540	7,550
Ac-ft	504,900	235,300	200,700	120,800	72,600	70,610	91,240	792,900	#1,529	#1,407	#1,386	449,300

Calendar year 1957: Max 40,600 Min - Mean 10,760 Ac-ft 7,789,000
Water year 1957-58: Max 47,600 Min - Mean 9,476 Ac-ft 6,860,000

* Discharge measurement made on this day.
# Expressed in thousands.
a No gage-height record; discharge estimated on basis of 4 discharge measurements, weather records, and records for station near Denali, Matanuska River at Palmer, Nenana River near Healy, and Chulitna River near Talkeetna.

Note.--Stage-discharge relation affected by ice Oct. 1 to May 10 (no gage-height record Oct. 4-6, Oct. 24 to Nov. 7, Nov. 23 to Dec. 15, Jan. 18-28, Mar. 1 to Apr. 1; discharge estimated on basis of 5 discharge measurements, weather records, and records for station near Denali, Matanuska River at Palmer, and Nenana River near Healy).

15-12-379

Susitna River at Gold Creek--Continued

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1									17,400	39,000	22,000	23,300
2									16,700	38,000	21,000	*22,500
3									*16,300	37,000	20,000	22,600
4									17,300	34,000	19,000	20,900
5									18,700	32,000	18,000	19,300
6									19,700	*30,300	17,400	18,700
7	8,500								20,700	28,000	17,100	16,600
8			2,200	2,000	1,400				22,800	26,500	18,800	16,800
9		3,000							26,200	28,000	20,600	17,200
10								4,500	30,600	31,000	25,600	16,000
11									37,100	32,000	*28,400	15,300
12									35,500	31,600	27,700	14,800
13	*5,660								33,400	29,100	26,400	14,400
14									32,800	22,700	24,000	13,900
15						1,100	1,200		31,500	24,200	22,300	13,600
16									31,100	24,200	20,700	13,700
17		*2,300							33,700	23,200	15,400	13,600
18									35,900	21,100	13,600	13,100
19								9,800	35,500	21,000	14,100	12,600
20								11,600	36,900	20,400	16,200	11,600
21								12,900	37,500	20,200	18,900	10,800
22	4,600				1,400			14,100	37,500	21,000	21,200	10,100
23								16,800	33,700	23,300	24,100	9,670
24		2,500	1,900	1,600	(*)		(*)	19,500	32,900	25,200	33,600	10,200
25								13,000	32,900	27,600	54,300	10,300
26								17,400	32,000	29,600	55,900	10,200
27								17,500	31,000	29,200	50,500	9,700
28								17,600	32,900	28,600	42,000	9,190
29					-			17,600	36,000	27,300	35,200	9,090
30								17,600	38,000	26,000	28,800	8,600
31								17,600		23,000	23,800	
Total	166,460	82,800	63,400	55,600	39,200	34,100	36,000	288,900	895,800	854,300	798,300	428,650
Mean	5,370	2,760	2,045	1,794	1,400	1,100	1,200	9,319	29,860	27,560	25,750	14,290
Ac-ft	330,200	164,200	125,800	110,300	77,750	67,640	71,400	573,000	¤1,777	¤1,694	¤1,583	850,200

Calendar year 1954: Max - Min - Mean 9,762 Ac-ft 7,068,000
Water year 1954-55: Max 56,900 Min - Mean 10,250 Ac-ft 7,424,000

* Discharge measurement made on this day. ¤ Expressed in thousands.

Note.--No gage-height record Oct. 1 to May 16 except occasional readings, June 26, 27, June 29 to July 5, July 9-11, July 30 to Aug. 5; discharge estimated on basis of 5 discharge measurements, weather records, and records for Nenana River near Healy and Matanuska River at Palmer. Stage-discharge relation affected by ice from about Nov. 1 to May 18.

Discharge, in cubic feet per second, water year October 1955 to September 1956

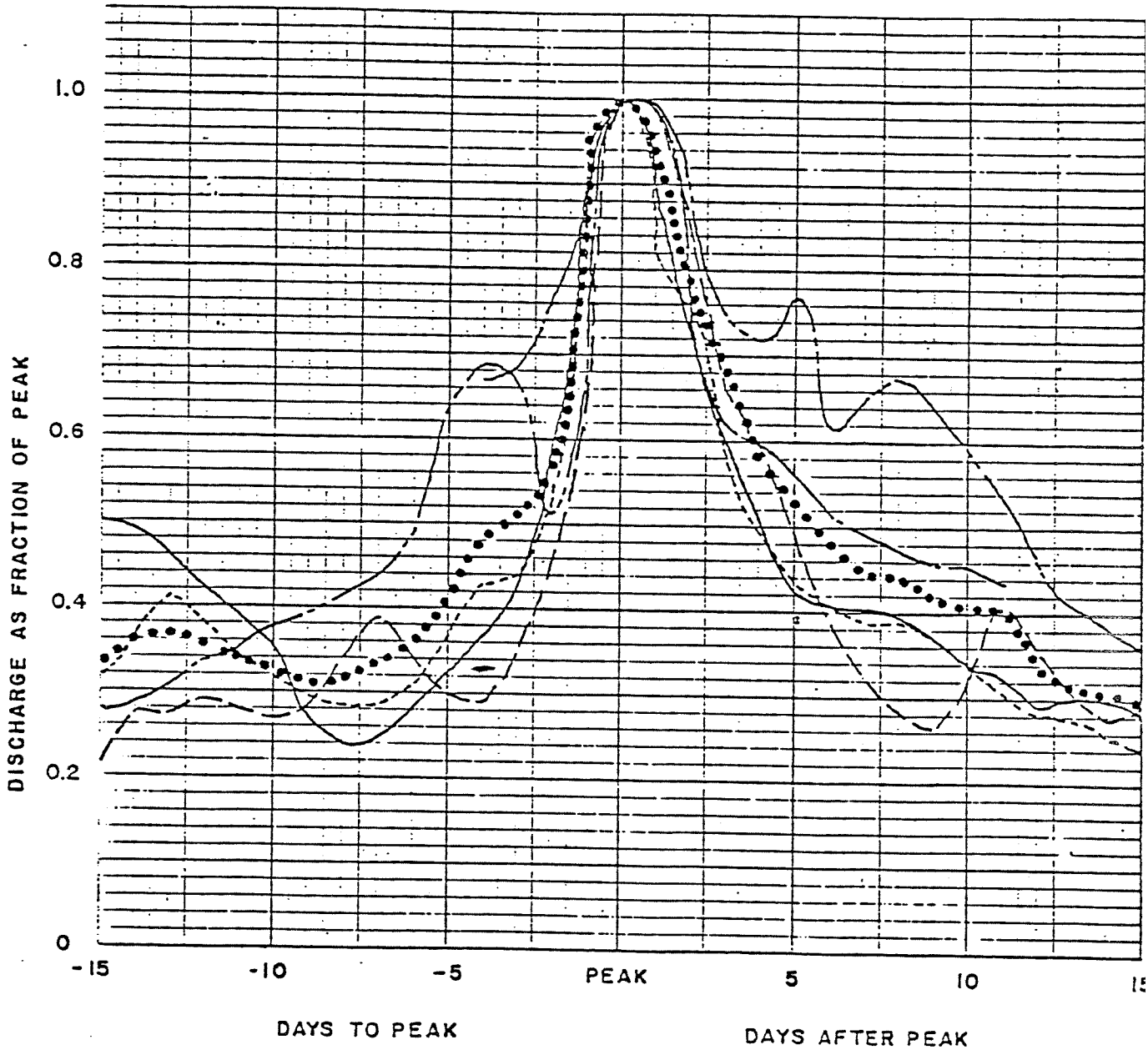
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8,340							1,500	20,100	27,400		
2	8,600							b1,800	20,100	28,400		
3	7,640							2,600	22,800	28,900		
4	7,120							4,000	24,200	29,400	31,000	
5	6,610			(*)				5,800	25,600	29,900		16,000
6	b6,220							b8,800	27,200	29,600		
7	b5,920							b10,000	33,800	29,800	*30,600	
8	b5,720	2,100						b11,000	49,100	29,800	30,800	
9	b5,560							b12,000	51,500			
10	b5,380							b12,000	49,100			
11	b5,360							b13,000	46,400			
12	*b5,380							b13,000	44,800			
13	b5,090							b14,000	43,600			
14	b4,800							b14,000	42,800		28,000	
15	b4,530		1,300	980	970	940	950	b15,000	39,800			25,000
16	b4,450							16,000	38,300	32,000		
17	b4,390						(*)	17,000	35,700			
18	b4,350							18,000	34,000			
19	b4,310							19,900	33,200			
20	b4,250							28,000	31,600			
21	b4,110							39,400	30,800		*21,100	
22	b3,900							37,500	29,700			
23	b3,900	1,700			(*)			31,800	28,800			
24	b3,900							*31,100	29,000			
25	b3,900							30,400	29,500	*28,600		14,000
26	b3,710							28,400	28,800		18,000	
27	3,500							25,600	28,000			
28	b3,350							22,600	27,800	32,000		
29	3,200							21,300	27,300			
30	b3,000							20,800	26,900			
31	2,800							20,700				
Total	153,470	57,000	40,300	30,380	28,130	29,140	28,500	547,600	¤1,000.3	963,800	760,500	550,000
Mean	4,951	1,900	1,300	980	970	940	950	17,660	33,340	31,090	24,530	18,330
Ac-ft	304,400	113,100	79,930	60,260	55,800	57,800	56,550	¤1,086	¤1,984	¤1,912	¤1,508	¤1,091

Calendar year 1955: Max 56,900 Min - Mean 10,090 Ac-ft 7,302,000
Water year 1955-56: Max 51,500 Min - Mean 11,450 Ac-ft 8,309,000

* Discharge measurement made on this day. ¤ Expressed in thousands.
b Stage-discharge relation affected by ice.

Note.--No gage-height record Oct. 27, 29, Oct. 31 to May 1, May 3-5, except occasional gage readings (stage-discharge relation affected by ice during entire period), July 9-24, July 26 to Aug. 6, Aug. 9-20, Aug. 22 to Sept. 30; discharge estimated on basis of 8 discharge measurements, weather records, and records for Nenana River near Healy and Matanuska River at Palmer.

15-12-380



SUSITNA RIVER AT GOLD CREEK

LEGEND

	Date	Peak Discharge (cfs)
• • • • • • •	Median Curve	
———	Aug 26, 1955	56,900
——·——·——	Aug 3, 1958	47,800
——·——·——	Aug 24, 1959	59,700
- - - - - - -	Aug 15, 1967	76,000
— — — — —	Aug 10, 1971	77,700

ALASKA POWER AUTHOR

SUSITNA HYDROELECTRIC PROJ

FLOOD STUDIES

DIMENSIONLESS HYDROGRAPH

AUG - OCT 15-12-38

R&M CONSULTANTS INC

MARCH 1981

DAILY PRECIPITATION

Continued

Station	Total	Day of Month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
INTERIOR BASIN																																
ALLAKAKET		-	-	-	-	-	-	-	-	-	T		T	.24	.28				-				T		T	.18				.03			
ANAKTUVUK PASS		1.94	.06		.03	T	.02	.05	.39	.01	.03	T		.08	T	.09						.05	.10	.06			.17		.31	.04	T		.09	
BETTLES FAA AP		1.71			T	.32	T	.10	.65			T	.26	T	.09	.19	.01	T						T	T		.07	.16				T	
BIG DELTA FAA		4.93	.32	.28	T	T	T	.11		T	T	.03	.38	.04		.01	.01					.28	.76	1.17	1.34	.05	.10	T	T		T	T	
CIRCLE HOT SPRINGS		2.11	.19	.02			.01	.55	T	.03	.01		.03	.01		T	.01			T			.34	.19	.11	.08	.02	T				.13	
COLLEGE MAG OBS		.89		.04		.26						T	.10	.04												.35		.02					
EAGLE		2.27	.12	T	T		T			.07			.02	T			T					.89	.04	.76	.08	.36	.34					.01	
EIELSON FIELD		.84	.01	.01	.01	.01	T	.18			T	T	.07	.03		.09	.03						T	.01	.24	.07	.09		.03		.02	.03	
FAIRBANKS WB AP	M	.44	.02		.38	T		T			T		.04	.03		T							.03	T	.22	.03	.01		T		T	T	
FAREWELL FAA		4.40	T			.09		T		.81	.08	.07	.03	.37	.03	.12	.04						.20	.37	.32	.04	.02	.05	.19	.01	.37	.01	
FORT YUKON FAA		.51	T	.01	.02	T		.19				T	.11	T										T	.22	T	T	T			T		
HUGHES		1.35							.37					.37												T	.25					.16	
LAKE MINCHUMINA FAA		2.06	T		.08	.04	T	.04			.04	.12	.38	.15	.04	T	.01	T					.02	.02	.03	.03	.01	T	.01	.03	.16	.48	
MANLEY HOT SPRINGS		.97			T	.35		T	T		T	T	.13	T	T			.02	.03							.23	.13					.08	
MC GRATH WB AP	M	1.69	.18	T	T	.04		.07	T	.08	T	T	.19	.25		.18	T		T				.09	.09		T	T	T	T	.18	T	T	
MC KINLEY PARK		2.89						.02				.08	.19	.06	T	1.04	.03			.19	.33	.05	.13	.34		.02		.05			.24	.01	
NORTHWAY FAA AP		2.48	.36	T		.04	T	.04				.48	.06	.11		.04	.32			.16	.39	.02	.18	.21	.02	.08							
SUMMIT FAA		2.94		T	T		T	.03		T	.10	.19	.80	.38	.11					.28	.11	.03	.07	.18		T			.09	.12			
TANACROSS		-	-	-	-	-	-					.48	.04			.30	.38	.33		T	.04	.30	1.98										
TANANA FAA		1.39	T	.28	.41	.03		.19		T			.25	.02		.01	.01		T			T	T	T	.28	T		T		.04	.04		
THE GRACIOUS HOUSE		2.17		T	.09	.09	T	T	.09	.09	T	.33	.09		T					T	.58	.40	*		.05	T	T						
TOLOVANA CAMP		5.46	.01	.33	.02			.14				.75	.29	.01	.04	T					.09	.39	*	1.40	2.82	.12	.01		.31			.39	
ARCTIC DRAINAGE																																
BARROW WB AP	//8	.08	T	T	T	T	T	.01	.01			T				T	T	T	T	.09	.01	T	T	T			T	T			T		
BARTER ISLAND WB AP	R	.80	T	.01	.04	.01	T	.01		.36				T	T	T	T				.15	.20	T	T	T	T	T	.02		T	T	T		
CAPE LISBURNE		1.26		T			T	T	T	T				T	.16	.01	.01	.03	.04	.01	.02	T		T		T	T	T	.02	T	.36		
KOTZEBUE WB AP	//6	.83	T	T				.01	.38	.06					.01	T	T	.04	T	T					.08	T	.02	.04		T	.04		
WAINWRIGHT		.16	T				T		.07							.03	.01		.02		T										.03		

SUPPLEMENTAL DATA

Station	Wind direction: Prevailing	Wind direction: Percent of time from prevailing	Wind speed m. p. h.: Average	Wind speed m. p. h.: Fastest mile	Wind speed m. p. h.: Direction of fastest mile	Wind speed m. p. h.: Date of fastest mile	Relative humidity averages - percent: 2:00 A.M. (150TH M.T.)	Relative humidity averages - percent: 8:00 A.M. (150TH M.T.)	Relative humidity averages - percent: 2:00 P.M. (150TH M.T.)	Relative humidity averages - percent: 8:00 P.M. (150TH M.T.)	Number of days with precipitation: Trace	01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over	Total	Percent of possible sunshine	Average sky cover (sunrise to sunset)
ANCHORAGE WB AIRPORT	SSE	25	7.2	←18	SSE	7	75	67	55	63	9	4	4	0	0	0	17	48	7.9
ANNETTE WB AIRPORT	SSE	21	9.0	←25	SE	4	82	74	69	80	7	4	10	3	0	0	24	-	9.1
BARROW WB AIRPORT	E	35	12.0	←35	SW	18	95	89	85	90	16	4	0	0	0	0	20	-	8.2
BARTER ISLAND WB AIRPORT	ENE	43	11.0	←28	E	10	89	84	85	87	14	5	3	0	0	0	22	-	8.6
BETHEL WB AIRPORT	NW	17	13.6	←32	SSE	30	91	88	71	75	9	8	4	0	0	0	21	-	8.7
COLD BAY WB AIRPORT	WNW	29	14.2	←44	SSE	30	89	85	74	82	19	6	0	0	0	0	25	-	9.3
CORDOVA WB AIRPORT	E	14	5.6	←16	W	25	94	79	75	83	5	5	11	1	3	0	25	-	8.5
FAIRBANKS WB AIRPORT	SW	15	6.9	←21	ENE	4	80	63	47	53	9	6	2	0	0	0	17	-	7.6
JUNEAU WB AIRPORT	ESE	28	9.7	←30	ESE	1	88	77	64	79	8	5	11	1	0	0	25	34	9.2
KING SALMON WB AIRPORT	SW	19	8.0	←25	S	30	93	86	67	79	13	10	3	1	0	0	27	-	9.5
KOTZEBUE WB AIRPORT	WNW	28	13.2	←32	WNW	13+	92	88	85	84	8	8	0	1	0	0	17	-	7.9
MC GRATH WB AIRPORT	SSW	12	6.9	←20	SSW	30	84	77	55	60	13	5	6	0	0	0	24	-	8.7
NOME WB AIRPORT	SE	11	11.8	←30	ESE	30	88	86	81	80	5	7	7	1	0	0	20	30	8.0
ST PAUL ISLAND WB AIRPORT	-	-	-	-	-	-	95	92	88	91	10	8	3	1	0	0	22	-	9.3
SHEMYA WB AIRPORT	SW	14	14.9	←41	S	16	98	98	95	95	14	8	4	0	1	0	27	-	9.9
YAKUTAT WB AIRPORT	ESE	13	8.7	←26	SE	1	95	81	73	86	4	4	12	2	1	0	23	-	8.7

←← FASTEST OBSERVED ONE MINUTE WIND SPEED. THIS STATION IS NOT EQUIPPED WITH AUTOMATIC RECORDING WIND INSTRUMENTS.

MONTHLY EXTREMES

Highest Temperature 89° on the 18th at Summit FAA.

Lowest Temperature 20° on the 6th at Wainwright.

Greatest Total Precipitation 20.08 inches at Little Port Walter.

Least Total Precipitation 0.08 inch at Barrow Weather Bureau Airport.

Greatest One-day Precipitation 4.52 inches on the 28th at Attu.

Greatest Total Snowfall 0.9 inch at Sparrevohn.

Deepest Snow on Ground 7 inches on the 1st at Wainwright.

15-12-382

DAILY PRECIPITATION

Station	Total	Day of Month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
SOUTHEASTERN																																
ANGOON	-	.38	.02	.03	.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T			
ANNETTE AP	9.16	.67	T	.36	.71	.82	T	.07	.10	T	.06	T	T	.43	T					.07	.44	.16	.17	.92	.16	.22	T	.89	.44			
ANNEX CREEK	8.66	2.97	.22				.30	.66		T		.26								.37	.52	1.03	.84	.01	.01							
BARANOF	10.66	.61	T	.02	1.93	2.87	1.16	.04	.83	.12	.15	.17	.85	.24	.52	.10					.26	.12	T	.50	.47	.94	.02						
BEAVER FALLS	6.31	.24	.18	.02	1.15	.73	.59	.27	T	.18	.07	.12		.30	.06					.06	.08	.14		.35	.14	.07			.27	.43	.10	
CAPE DECISION	5.74	.97		.39	.35	.51	.15	.01	.02	.04	.07	.06	.12	.08	.27	.31				.09	.39	.09	.48	.31	.04	.48	.03		.04			
CAPE SPENCER	6.65	2.55	T	.03	.48	.10	T		T	.12		T	.30	T	.08	.14				T	.72	.71	.78	.53	T					T		
ELDRED ROCK	5.66	1.22	.16			.32	.25	.04	.04						.31	.25	.16			.42	.38		.07		.24	.16			.16	.21		
FIVE FINGER LGT STA	9.69	.39	.03	.05	.71	.41	.20		.40	.38	.83		.05	.05	.15	.05				.40	.84	.17	.01	.21	.17	.66				.07		
GUARD ISLAND	6.62	.55	.01	.13	.58	.79	T		.18		.18	.05	.01	.18	.27					.17	.42	.04	.11	.02	.02	.11				.01	.09	
GUSTAVUS FAA	6.01	.25	.01	.09	.26	.17	.03	.06		.04		.10	.01	.04	.36	.11			T	.06	.11	.05	.10	.07	.24	.09		.02	.18	.01	.09	
HAINES TERMINAL	2.41	1.23	T		.23	.22				.08		.04			.30					.06	.11		.10	.07	.11	.29	.08			.18	T	
HOLLIS	4.03	.59	.06	.02	.21	.39	.28	.36	.02	T	.28	.34	.10	.16	.27	.01				T	.06	.11	.28	.08		.36	.12		.16	.01	.01	
JUNEAU	9.02	.91	.12		.16	.17	.12	.16	.04	.23		T	1.04		.36	.32	.03			.17	.12	.23	.38	.28	.31	.21	.03			.03	.04	
JUNEAU WB AP	9.22	.81	.01	.10	.15	T	.13	.16	T	.23		T	T	T	.09	.18			T	.18	T	.01	.06	.24	.09	.15	.09		T			
KETCHIKAN	7.87	.27	.25	.04	1.48	.96	.63	.36	.13	.12	.35	T	.10	.28	.12	.01				.05	.23	T		.33	.16	.75	.08	T	.30	.17	T	
KIRKOLDY ROCK LIGHT STA	4.82	.78	.21	.11	.29	.65	.20	.12		.09	.03	.10		.09	.26	.06				.15	.15	.07	.09	.35	.27	.54						
LINGER LONGER	1.78	.78			T	.32	.30	T							.28										T				.27	.18		.43
LITTLE PORT WALTER	20.08	3.30	.01	.10	1.96	1.57	.65	.23	.01	.11	.13	.81	.41	.29	.53	.61	.01			.22	1.98		.71									
PETERSBURG	7.07	.76	.22	.07	.47	.26	.64	.28	.20	.46	T	.04	.03	.02	.24	.14	.02		T	.15	.46	.52	.25	.37	.44	.14	.25	.03	.06	.04	.01	
POINT RETREAT LIGHT STA	5.11	1.03	.04		.25	.11	.39	.10	.03	.07	.16	.22	.04	.01	.18	.36				.15	.36	.17	.36	.30	.44	.17	.04	.03	.03	.06	.04	
PORT ALEXANDER	11.29	1.21		.09	1.01	.68	.01	.01	.68	T	T		T	.10	.55	.10	.28			.13	1.98	.73	.57	.68	.48	.39				.33		
SITKA FAA	6.26	1.03		.17	.01	.37	.54	.06	T	.03	T	.13	T	T	.31	.21			T	.11	.01	1.04	.73	.11	.27	.42	.01	T	T	T	.01		
SITKA MAGNETIC	6.04	.98	.02		.16	.39	.01	.30	.02	.01	.03	.05	.11	T	.18	.01	.04			.04	.18	.72	.96	.18	.24	.14	.01	.03		.11	.23	
SKAGWAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T							
TREE POINT LIGHT STA	4.32	.10	.28	.23	.21	1.01				.36	.28			.18		.10				.08	.18	T	.06	.05	.10		.04	.13	.10			
WRANGELL	5.98	.62	.38	.06	.16	.07	.26	.32	.02	.20	.53	.11	.09	.01	.21	.04	.03		.01	.26	.32	.62	.26	.05	.17	.01	.10	.01	.04	.07	.02	
SOUTH COAST																																
CAPE HINCHINBROOK	7.90	.28	.90	.48	.36	1.98	.36	.38		.28		.18	.40		.10	.36				.20	1.00			1.66								
CORDOVA	11.87	.02	1.53	.76		2.07	2.69	1.47		.17	.07	.16	.18	.07	.04	.07				.76	.69	.25	.66	.07							
CORDOVA WB AP ///	7.52	.67	.38	.18	.21	1.10	1.27	.31		.21	.03	.20	.12	T	.06	.09	T			1.16	.96	.05	.38	.19	.13	T	.01	T	T			
EITOL BAY	2.70	.17	.16	.38	T	1.12	.26	.06	.02	T	T	T	.02	T							.08	T		T	T	.06	T		T	.01	.15	.33
EDDYAK HAS	1.62	.25	.05	T	T	.42	.12	.03	.05	.03	.08	T	T	.03	T					T	.01	.06	T	.01	.02	.03				.01	.02	
EAPSEN BAY	-	-	-	-	-	-	-	-	-	-	-	-	1.00									.21	.03							.13	.04	
LAZY BAY	-	-	-	-	-	-	.12	.02	.06	.08	.06	.07		.05	.01	.01							.01	.06	.01							
MCHARD	2.27	T	.22	.12		.66	.25	.36	T	T	T	.06	.07	T							.35		T	.07	T							.38
SHEARWATER BAY	2.23	1.12	.19	.16	.02	.36	.06	.05	.09		.08		.06	.06							.01	.05										
SITKINAK	.56	.17	.17	.03	T	.08	.05	.01	.02		.03			T	T		T															
VALDEZ	3.66	.02	.18	.14	T	.33	T			T		.38	.25	T	.02	.59				.59	.39	.08	.01		.48							
WHITTIER	13.78	.67	1.06	1.66	.21	1.34	3.26	2.55	.51		.48	.04	.59	.35		.04	.36				.38	.16	.15	.25		.67						
YAKATAGA FAA	7.34	1.81	.96	.10	.20	1.66	1.67			.29	T	T	.43	.02	T	T	.32		T	.26	T		.11	.18	.11	.39	.35	.32	.01	.08	.09		.05	.03
YAKUTAT WB AP	6.29	1.93	.36	.19	.28	.65	.22			.23	T	T	.09		.18	.25	T		T	.11	.18	.11	.39	.35	.32	.01	.08	.09		T			
SOUTHWESTERN ISLANDS																																
ADAK	2.97	.18	.16	.16	.04	.09	.25			T	.03			.03	T	T	.10	T	T	.35	.02	T	T	T	T	T	.35	T	T	1.69	.38	
ATTU	9.15	.13	.01				.01			.04		.02		.02	.78	1.36	.04	.05	.05	.05		.01		.02					.54	2.01		
CAPE SARICHEF LGT STA				.26			-	-	T	-	T			T			T	T	T	T					T	T		T	T	.63	.20	
COLD BAY WB AP	.12	T	T	.01	T	T		.06	T	.01				T	T	T	.01	T	T	T	T	T	T	T	T	T	.01	T	.02	T	T	
ST PAUL ISLAND WB AP	1.22	T	.16	.03	T	.03									.02	.02	T	.06	T	T	.05	.01	T	T	T	T	T	T	.03	T	.01	T	
SHEMYA WB AP	2.12	T	.01	.03	T	T	T			T	T	T	T	T	.19	.30	.06	T	.18	.01	T	.01	.16	.01	T		.06	T	.03	1.06	.02	T	
UMNAK	2.17		.15			.05															1.02										.39	
COPPER RIVER																																
CHITINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.37	.15	.47	.31	.16	T	T						
EKLUTNA LAKE	1.69									.10	.02	.28	.11	.04	.02					.11	.33	.20	.10	.19				.13				
EUREKA	5.97	.11								.03	T	.45	.52	.02	.05	.32	.22	.05		.03	1.71	.43	.78	1.00	.03	.02	.16				T	
GULKANA FAA	-	-																														
MCCARTHY	.93	-	.16	.25	.13	.17				.29	.04	.26	.10	.33						.03	.28	.40	.40									
SLANA	2.33		.08						.20		.57	.13									.38	.72										
COOK INLET																																
ANCHORAGE WB AP	1.17		T	T			T	T		.06		.11	.28	.03	T		T				.08	.25	.06	T	.27	T				T	T	
ANCHORAGE MUNI AP	.66			.02						.04		.13	.14	T	.03						.11	.13										
BIG LAKE	1.97		T		T	T	T	T		T	.14	.22	.46	.02	T					T	.16	.07	.16	.40	T							
DEVILS CLUB	2.76	.16			.35	.37	.46				.01	.51	.09							.17	.19	.24	.14	.46								
EKLUTNA PROJECT	2.63	.01				T				.03	.03	.17	.26			.03	T	.03		.17	.52	.26	.25	.72						.19	
ELMENDORF AF BASE	1.66	T		T		T	T			.12		.28	.21	.07	T		T			T	.13	.24	.16	.28	T							
GIRDWOOD	2.38	.04	.06			.16	.62	T				.41	.44	T							.28	.09		.42								
HOMER FAA	.67	T			T	.09	.06	.13	T	.05	.05		.01	.13							.11	.01	T	.20	.05			T				
HOMER 5 NW	1.93			.35	.18	.07	.02	.07	T	.02	.08		.22	.17							.04	.03	.18	.21	.45	.02						
IVISHIN	1.40					.08		.30					.28											.38								
KASILOF	.98					.83		T		.06			T								.17	.18		.38	T							
KENAI FAA	.89	.02	T		T	.09		T		.02	T	T	.11								.17	.09	T	.39	T							
KATAMUSKA AGR EXP STA	2.21					T				.09		.24	.30	T	.04					.12	.47	.27	.28	.31							.11	
KENILCHEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
PALMER 1 N	2.89									.18		.06	.45	.02		.05	T			.15	.38	.10	.36	.32								
PALMER 2 ESE	1.78					T	T			T	T	.02	.36		.07	T	T			.23	.22	.23	.27	.38								
PALMER 5 NW	-												-	-	-	-	-	-	-	-	-	-	-	-								
PUNTILLA	3.46					.36	.16						1.67	.43									1.38	.64	.04	.12			.08	.18		.61
SELDOVIA	1.03		T	T		.11	.38	.91	.03				T	T																		
STERLING	1.22		.06		T	T				.02		T	.31								.18	.17	.18	.46	T							
TALKEETNA 5 W	2.30	T	T	.11			.05	T		.02	.28	.04	.69	.38					.23	.29	.17	.35	.27									
TALKEETNA FAA AP	1.78	.01	T	.04			.06	T		.31	.04	.17	.60	.05						.03	.17	.11	.31	.21					T	.01	.01	
VENTA	.23					.03	T		.03	T	.02																					
WASILLA 3 S	2.09			T						T		.31	.43	.04	.06	.03				T	.07	.31	.26	.46								
WILLOW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					.02	.07	.26	.06	.19							
BRISTOL BAY																																
ALEKNAGIK	.88			.11		.21	.14	.12	T		.04	.04	T		.11	.04	T							.03					.04	T	
BROOKS LAKE	1.84					.02	.16			.02	.06	.20		.36		T	T							.09	.09						.08	
CAPE NEWENHAM	1.44	.04				T	.05	T	T	T		T			T	T	.21	T	.02					T	T	T	T	.02	T	.04	1.28	
DILLINGHAM	.88	.05	.07			.05	.04	.04	.05		.03	.05	.04		.05	.03	.15													.14	.07	
ILIAMNA FAA	2.26			T	.10	.22	T	.13	.17	T	.37		.60	.04		.31								.23	.10			T	.02	.05		
NAKNEK BAY	1.82	.04	.01	T		.12	.22	.04	.09		.22		.66	.09			.02								.27	T		T	T			
KING SALMON WB AP ///	1.23	.15	.03	T	.15	.01	.02	T	T	T	.06	T	.32	.02	.01	.20		.02		T		T	.01	.01	.01	T	T	T	T	T	T	
LAKE NERKA	-	-	-	-	-	-	-	-	-	-	-	-	-	T	T	T	T						.02	.12					T	T		
PORT ALSWORTH	2.46										.08		.55	.32		.01							.22	T	.72							
PORT HEIDEN	.15	T		T			.04	T						.03		.03	.21	T	T							T				.19		
SLEETMUTE	1.69					.19		.28			.08			T		.40						.25										
SPARREVOHN	2.88		.18	.08	.12	T	.25	T	.11	T	.23	.04	.39	.63	.02	.26							T		T	T	T	.34	T	.03	T	
WEST CENTRAL																																
ANIAK FAA	1.18				.02	.06	.15	T		T	T	T	T	T	.16	T	.04			.11	.23			T	T	T		.35	.07	.04	
BETHEL WB AP	1.16	.03	.18	T		.03	.29	.06	.04	T	T	T	T	T	.06	.13	.06	T				T		.01	T	T	T	.03	T	.06	
CAPE ROMANZOF	3.14			T			.26	.19	T	T		T	T	T	.27	.09	.03	.02	T	T		T	.07	T	.02	.04	T	.02	.23	T	1.84	
HOLY CROSS	1.07		.13	T	.10	T	.13						.13				.03											.20	.09			
MOSES POINT FAA	.45	T		T		T	T	T		T					.07	.07	.02	T	T						.03	T	.10	.21	.04	.03	.06	
NOME WB AP	2.40				T		T	.08	.14	.01					.04	.04	.04	.19	.01	T	T			.25	.38	T	.31	.23	.04	.04	.28	
NORTHEAST CAPE	.39				T		T		T	T				.02	.06	T	T	T	T	T	T			T	T	T	.13	T	T	T	.28	
NUNIVAK	1.08					.33	.02									.04	.03				.01							.01	.23	T	.05	
NYAC	1.73		T	.01	T	.14	.26	.42	.21	.03	.01					.21	.10	.05	.05	T		.09	T			.01	T			.14	.04	
PLATINUM	-		-				-										.29															
TELLER	.09		T							T					.01								T		.03					.09		
UNALAKLEET FAA	1.11		T		T	.01	.32	T	T	T	T				.02	.09	T	.06	T	T			.06	T	.04	.03	.08	T	.07	T	.31	
WALES AP	.58	.01				T	T	T		T			T		.02	T	T	T	T	T	T	T	T	T	.08	T	.03	.13	.02	T		

Susitna R. @ Gold Cr.

June - 23 - 1961 54,000 c.f.s. peak

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15-2920. Susitna River at Gold Creek

Location.--Lat 62°46'10", long 149°41'30", on left bridge pier of Alaska Railroad bridge, 0.1 mile downstream from Gold Creek, 0.9 mile north of Gold Creek railroad station, and 2.0 miles downstream from Indian River.

Drainage area.--6,160 sq mi, approximately.

Records available.--August 1949 to September 1965.

Gage.--Water-stage recorder. Datum of gage is 675.50 ft above mean sea level. Prior to June 6, 1957, wire-weight gage at same site and datum. June 7, 1957, to June 2, 1964, at site 0.3 mile upstream at same datum.

Average discharge.--16 years, 10,100 cfs (7,312,000 acre-ft per year).

Extremes.--Maximum and minimum discharges for the water years 1961-65 are contained in the following table:

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	June 23, 1961	a 54,000	-	-	-	-
1962	June 15, 1962	80,600	-	-	-	-
1963	July 18, 1963	a 49,000	b 19.30	-	-	-
1964	June 7, 1964	90,700	24.48	-	-	-
1965	June 28, 1965	42,600	17.35	-	-	-

a Maximum daily.
b From floodmarks.

1949-65: Maximum discharge, 90,700 cfs June 7, 1964 (gage height, 16.58 ft); maximum gage height observed, 24.48 ft May 10, 1954 (ice jam); minimum discharge not determined. Flood in May 1919 reached a stage of 19.2 ft, result of ice jam, from information by Bureau of Reclamation.

Remarks.--Records fair except those for periods of no gage-height record and those for winter periods, which are poor. Large diurnal fluctuation at times caused by glacier melt at the source. Records of suspended-sediment loads for the water year 1962 are published in reports of the Geological Survey.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	14,500								17,400			13,500
2	13,600								17,400			13,100
3	12,600								16,400			12,800
4	12,400								15,400			12,500
5	11,900								15,000			12,100
6	11,500							9,000		23,000		
7	11,000								18,500			11,900
8	10,400	3,300	2,900	2,600	1,800	1,500	2,500		24,500			12,300
9	10,000								22,400		26,000	12,300
10	9,500								20,600			12,000
11	9,100								25,000			11,900
12	8,700								29,000			
13	8,200								35,000			14,600
14	7,800								37,500			15,300
15	7,500								33,000			15,700
16	7,100							22,000	28,000			14,800
17	6,700											14,200
18	6,400								29,000		17,000	
19	6,100								29,000	25,000	17,000	13,600
20	5,900								30,000		17,600	13,200
21	5,600								31,000		18,000	13,000
22	5,300								33,000		19,000	13,300
23	5,100							18,000	42,000			13,600
24	4,900	2,700	2,500	2,500	1,700	2,100	2,800	14,000	52,000		19,000	14,000
25	4,700							17,700	54,000		20,000	13,100
26	4,500							18,200	50,000	30,300	22,000	15,000
27	4,300							23,600	36,000	26,000	24,800	16,200
28	4,200							29,400	32,000	25,000	24,700	15,500
29	4,100							25,400	29,200	25,000	20,300	13,600
30	4,000							21,300	27,500	25,000	17,400	12,600
31	3,800							19,300	27,000	26,500	15,900	11,900
								18,700	26,000	25,000	14,800	11,500
								16,600		24,000	14,100	11,500
											13,800	
TOTAL	241,600	90,000	83,500	78,000	49,100	56,100	79,500	534,200	883,400	781,600	685,200	401,200
MEAN	7,794	3,000	2,694	2,452	1,754	1,810	2,650	17,360	29,450	24,570	22,100	13,370
MAX	14,500	-	-	-	-	-	-	-	54,000	-	-	16,200
MIN	3,800	-	-	-	-	-	-	-	15,000	-	13,800	11,500
AC-FT	479,200	178,500	165,600	150,700	97,390	111,300	157,700	1,060a	1,753a	1,511a	1,359a	795,600

CAL YR 1964: TOTAL 3,604,700 MEAN 9,849 MAX 40,100 MIN - AC-FT 7,150,000
WAT YR 1965: TOTAL 3,945,800 MEAN 10,810 MAX 54,000 MIN - AC-FT 7,826,000

a Expressed in thousands.
Note.--No gage-height record Oct. 17 to May 22, June 11 to Aug. 23 except for occasional days.

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Table 3—Continued

Station	Total	Day of month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
MOOSE VALLEY	1.21						.62			.68																						
PETERSBURG CAA	13.68		T	.67	.04	1.31	2.33	.71	.27	.73	.83	.23	.44	4.16	.04	.89	1.17	.23	.05	.21	.09					.69	.10	.19	.09		.05	.17
POINT RETREAT LIGHT STA	9.04		T		.25	.59	1.85	.11	.18	1.25	.62	.02	.44	1.10	.07	.02	.04	.11	.71	.02	.06					.22	.11	.70				.17
PORT ALEXANDER	2.03		.09	.13	.90	.43	3.00	1.82	1.14	1.43	.02	.20	.35	4.27	.04	.08	1.65	.29														.18
SITKA CAA	8.76				.23	.21	.71	.01	.13	1.57	.07	T	.30	.03	.04	.08	1.65	.29								1.49	.14	.15				.14
SITKA MAGNETIC	8.01					.20	.23	.86	.28	.74	.83	.27	.30	.93	.04	.08	1.65	.28	.01	.09	T		T			.98	T	.78	.19				.18
TREE POINT LIGHT STA	13.35	1.00	.28	.06	.33	.13	2.15	.79	.36	.11	.23	1.39	.42	.28	1.28	.04	.05	1.22	.04		.76	.02		.01	.22	.71	.24	.07	.54			.18
UNUK RIVER	12.23	.31	.66	.02	.28	.37	1.87	.06	.33	1.47	.28	*	.63	*	1.87	.06	.04	1.01	.75	.87						1.36	.05				.17	.19
WRANGELL	15.06				.11	.63	1.69	.71	.45	1.10	.70	.73	.31	1.39	.32	.09	1.00	.65	.98	.39						.92	.04	.09	.63		.28	.87
	8.02			.16	.21	.87	1.28	.01	.21	.64	.31	.79	.12	.08	.08	.04	.02	.98								.91	.39		.09			
PACIFIC COAST																																
CAPE MINCHINBROOK	9.39		T	.07	.16	1.84	.11	T	.30	.66	T	.67	.60	.83		T																
CAPE ST ELIAS	11.39		T	.14	.24	1.26	.17		.24	.38	.02	.83	.76	.23, T		.30	T			T	.04	.26	.21	.06	7.11	.24	.16	1.11	.33	.01	.26	.72
COGHLS LANDING	1.72			T	.01			.01	.06		.02	T	.27			.03	.09								.01	7.14	.01	.15	1.08	1.08	.59	.55	.77
CORDOVA	29.70		.01	.12	T	.46	T	.44	.23	T	.32	.30	2.27	.01	T	.05							.02	.32	.01	.25		.10				.05
CORDOVA MO AP	9.39		.16	T	.06	.09	T	.06	.38	T	.07	1.11	.24			.01				.01	.04	T	.05	.76	1.21	.57	.41	1.01	1.17	.48	.29	.39
HOMER CAA	4.02			T	.40	.08	.01	.18	T		.12	.27	.87	T	T	.01							.06	.16	1.21		.02					.28
HOMER 5 NW	2.13				.04	.18		.16			T	T	T			.09							.03	.58							.28
INISKIN	10.67				T	.35			T				.89										.33	.58		.16	.29	T			.76
LARSEN RIVER	2.89					.32	.01	T	.51	T		.03	T	.01	.16	.39	.01	.01			.09	.01	.07	.02	.07	.25	1.40	.16			T	1.09
KASILOF	3.27				.02	.31			.08			T	.20	.02			.26							.07	.01		.08	.13	T		T	.07
KENAI CAA	3.65			.08	.15	.28		T	.26			.04	.04				.25	T		T				.07	1.20	.61	.09	.23				.04
KITOI BAY	3.66				.12	1.11	.38	.02	.07		.13	.04	.07		.34	.13	.14			T				.07	1.24	.02		.16	.01			.21	
KODIAK NAS	4.16				.27	1.36	.66	T	.11	.01	T	T	.11		.08	T	.08							.07	.18	.31	.01	.04	T	T			1.18
LATOUCHE	1.41			.04	.20	2.85	.44	1.89	.32	T		.14	.08			.42	.02							.14	1.17	.68	.19	.21	2.16	.18	.02		2.31
MIDDLETON ISLAND CAA	5.22		T	.07	.14	.76		.20	.14	.18	T	.03	.36		T	.18	.02	T	T					T	.12	.68	.22	.32	.42			.03	.55
NORTH DUTCH ISLAND CAA	10.25		.01	1.12	.08	.66	.10	*	.72																.12	.68	.22	.32	.42			.23	.55
SEWARD	4.33		T	.16	.40	.01		.05	.32		.01	.02	.28			.06	T			.04	.19	*	.22	1.23	.64	.06	.15	1.66	*	.19	.24	1.79
SHEARWATER BAY	8.38				.06	.23			.02	.03		.02			.08	T							.28	.29	.55	.28	.31	.71	.04	.01	T	.59
STERLING	3.66					.09		.28	.21			T	T										.02	.72			.27	.23				2.26
UGANIK BAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.23	-	-	-	-	-	-	.02	1.10	.58	.13	.19	.10				.27
VALDEZ	10.04		T	.10	T	.20	T	.18	.28	T	.78	.53	T		.28								.14	1.17	.68	.19	.21	2.16	.18	.02		2.31
WHITTIER	16.78		.61	.72	.28	1.16	.16	.53	.75	.18	.45	.24	.50			.13				.57	.07	.10	.32	.78	1.54	1.59	.25	1.62	.13	1.61	T	.05
YAKATAGA CAA	13.67	T		T	.02	.66	.03	T	.08	.23	T	.18	.79	.85	.43	.04			T	.09			.29	.76	1.52	2.10	.75	1.30	1.48	.10			1.55
YAKUTAT MO AP	14.62		T	.63	.03	1.36	.27	T	.69	1.42	T	.16	1.19	1.08	1.12	.03	T			.29	.04	T	.04	.12	1.48	.79	.13	2.25	1.84	.44	T	.48
SOUTHWESTERN ISLANDS																																
ADAK	2.33	.31	.31	.08	.02	.12	.01	T	T	T	T	T	T	T	.31	.24	.09	.02	T		.18	T	T	.12	.10	.06	.14	.18	.03	T	
ATTU NAU	9.17		.35	.03	.28	.32	T					T	.11	2.73	.72	.28	.23	.27	.31	.58	T			.13	.08		.46				.11
CAPE SARICHEF LGT STA	4.69	T	.29	T	.08	.03	.08	.28	.05	.03	.02	.08	.02	.04	.12	.62	.23	T	.31	.28	T			.13	.06	.08	.04				.11
COLD BAY MO AP	4.71	.02	T		T	T	.03	.27	.09	.07	T	.28	.08	.32	1.00	.00	.21	T	.02	.71	.09	.15	.03	.08	.08	.04		.31	.09	T	.01	.09	.06	.05
ST GEORGE ISLAND	4.62		T				.42	T	T	T	T	.28	.08	T	.78	.12	T	T	.05	T	.09	.02	.03	.57	.11	.04	.07	.02		.12	.16	.19	.19
ST PAUL ISLAND MO AP	3.34	T	T	T	T		.18	.04	T	.63	T	.01	T	1.01	.16	.01	T	T	.06	.01	.03	.03	.03	.08	.08	.73	.08	.01	T	.01	.04	.15
NORTHERN DIVISION																																
SOUTHERN VALLEYS																																
ANCHORAGE MO AP	3.76		.02	.08	T	.01	T	T	T		.09	.21	.07			.38				.24	.04	T	.02	.53	1.98	.67	.19	.29	T			
ANIAK CAA	3.34				.28			.07												.22												
BETHEL MO AP	4.38	.02	.07	.23	.39		T	.31	T		.37	.16			.03			.01	.04	.22	T	.12	.11	.24	.05	.08	1.09	.15	.16	.03		.03
BROOKS LAKE	-		.04	T		.10	-	-	-			.32	.04	.38		*	*	.23	.02	T		.01	.13	.19	.32	.18	.25	.44	.02	.02		.03
CASWELL	7.39		.04	.23	.32		.02	.22	.08		.28	T	.11							T		.01	.13	.19	.32	.18	.25	.44	.02	.02		.03
CHITINA	3.18							.38												T	.04	.14	.34	.07	1.89	1.33	.57	1.18				
CROOKED CREEK	5.05		.03	.02	.29	.13			.36	T																	.02	.02	.21	1.35			
EKLUTNA LAKE	-	-	-	-	-	-	-	-	-	-	-	.51	.09	.02	.32	.29	T					.09	.29	.35	.04	.02	.17	.42	.08	.22	.02	.01
EKLUTNA PROJECT	3.37			.07	.01			.08	.03								T										.09	.08				.03
ELMENDORF AF BASE	3.36			.08	T	T	.01	.01	T		.06	.01	.04	T			T			T	T		.01	.14	.38	1.03	.08	.50		.14		
FAREWELL CAA	3.33	T	.06	.14	.02		.17	.77			.04	.18	.12			.01	T			.09	.05	T	.09	1.30	.80	.27	.13	.12	T		T	
GULKANA CAA	7.59			.20		.01		.04	.38	T	.18	.01	.16	T		T			.01	.29	.03	.08	.13	.03	.22		.19	.19	.01	T		
KLANA CAA	4.34				.04	.02		.04												.03		.01	.28	.44	.33						
KOKHANOK BAY	4.82				.38	.15	.03	.23	.07	T	.07	.36	.12	T	T	.38	.03			.01			.20	.49	.30	.18	1.10	.48				.21
LAKE MINCHUMINA CAA	2.42		.17	.01			.03	.18			.02	.22	.12										.11	.06	.39	.21	.22	.33	T	.01		T
NATANUSKA AGR EXP STA	3.81	.21			.04			.18			.47		.04						.29	T	T		.11	.06	.39	.21	.22	.33	T	.01		T
NC GRAPH MO AP	4.66		.06	.04	T	.07	T				.12	.24	.11			.88				T	.11	.02	.23	.15	.59	.18		.22	.04	.04		
MEIER	7.45		T	.33	.32	T	.01	T	T	.10	.73	.34	.66					.31	.36	.02	.37	.21	.35	.14	.32	.27	.14	.23	.23	1.71	T	T
MYAC	4.78		.09	.19	.48	.03		.38	T			.56	.11	T	.21	.33		.02	.03	.24	.28	.19	.30	.12	.17	.34	.28	.70	.14	.03		
PALMER AP	2.79		.02	.10	.03	T	T	T			.72	.03	.10	T			T			.31				.54	T	.73	.28	.22	T		.18		
PALMER 1 N	2.68		.02	.16	.04	.25					.78	.02	.04							.38	.02		.03	.30	.26	.83	.25	.22	T	.09		
PALMER 5 NW	3.28		*	.18	.18	.06		.04	.05		.60	.03	.07	T							.25		.37	.59	.71	.03	*	.47	T			
PUNTILLA	3.02		.32	.27	.38	.32					T	.26	.15							T	T	T		.04	.42	.23	.35	.74				.68
SHEEP MOUNTAIN	-						-				.02		.22											.04		.08		.05				
SKWENTNA CAA	4.67		T	.04	.11	.05		T	.37	T	.16	.48	.13							T	T	T	.59	.69	.32	.23	.88	.78				.06
SPARREVOHN	7.48		T	.02	.32	.29	T	.03	.41		T	1.35	.76		.48	.78			T	.08	.16	.36	.38	.14	.84	.27	1.02	.75	.37	T		
TALKEETNA CAA AP	10.44		.08	.42	.08	T	.17		.34	.01	.20	.34	.13							.38	.05	.17	.95	1.38	1.91	.85	1.15	1.52		.04	-	-
BERING SEA																																
CAPE NEWENHAM	8.62	T	.01	.01	.03	T	.07	.03	T	.01	.35	.67	T	.08	1.18	T				.12	.29	.13	1.17	.35	1.04	.25	.16	2.48	.21	.02	.04		.16
CAPE ROMANZOF	6.72	.35	.15	.16	.07	T		T			.67	.31	T	T	1.06	T		T		.01	.05	.17	.39	1.13	.11	.38	.95	.20	.44	.31	.18	
KING SALMON	3.60	T	T	.07	.15	.83		.02	.02	T	.01	.39	T		.68	T	T			.19	T	.04	.11	.28	.28		1.27	.29	.01		T	.06
MOSES POINT CAA	4.62		T	.01						T	T	.31									.02	.77	.77	1.61	.77	.38	.32	.18		T		
NOME MO AP	4.56	.07	.05	.21							.38	.01		.11	.01	T			T	.01	.93	.56	.71	1.43	.28	.22	.01	T		T		
NORTHEAST CAPE	3.85	.01	T	.01	.38					.08	.38	.05			1.23	.32			T		.04	.37	.30	.93	.28	.03	T	.01	.07	.02	.03		
NUNIVAK	2.93			.35	.04		.18	.28			.60	.04		.01	.32				.12	.18			.03	.17	.04	.03	.19	.44	.13	.05	.32		.06
PLATINUM	9.83			.08	.01		T	.12		T		.78	.01		.78					.46		.72	.10	.68	.20	.05	1.33	.23	.28	T		.29
TELLER	1.74	.08	.33	.01							.23	.10		.15	T	T	T		T			.12	.18	.66	.15	.03				.05		
UNALAKLEET CAA	2.21	T	.12	.19	T				T		.06	.03										.17	.03	.19	.16	.41	.41	.06	T	T		
WALES AP	4.36					T		T			.35	.11		.25	T	T	T				.29	.89	.06	1.83	.30	.05	.03	.08				
YUKON VALLEY																																
ALLAKAKET	3.48			.18	.13			T			.04	.28								.09	.19		.25	.39	.78	.13	.12	.59	.05	.04		
SETTLES CAA AP	3.11			.04	.07			.04			.06										.31	T	.21	.20	.51	.63	T	.16	.48	T	T		
BIG DELTA CAA	3.32		.08	.61	T		T	T	.43	.04	.21	.29	.43					.04			.01								.02	.08		
BOUNDARY	3.79	.02		.12	.23		.03	T	.04		.22	.21	.63				.13	T			.03	.01	.07									
CIRCLE HOT SPRINGS	1.68			.03	.34	T	T	.09	.13	.01	.01	.59	.14	.61						.02	.26					.49		.18				
COLLEGE MAG OBS	2.08			.12		.38	.09		.08		.12	.09	.15							.31	.03	T	.29	.01	.01	.03	.02	.01	.23	.21		
EAGLE	1.93								.06			.06	.15							.28	.05	.11	.07	.01	.04	.10	.15	.02	.25	.22	.12	.04	
EIELSON FIELD	3.29		.08	.13	.30		T	.18	.10	.09	T	.38	.11	.04						.19	.18	.13		.07			.15	.24	.38	.06	.04		
FAIRBANKS MO AP	1.83		.09	.01	.29	T		.04	.13		.04	.34	.15					.08		.38	.01	.01	.08	T	.19	.13	T	.49	.04	.19		
FLAT	3.27				.10	.15		.02	T		.02	.26	.04					.01		.12	.18	T	.24	.01	T	.24	.01	T	.32	T	.13		
FORT YUKON CAA	1.33			T	T				.01			.15	.08				.23				.03	.12	.12	.39	.32	.21	.18	.72	.05	.11		
GALENA	2.06		.02					T			T	.15						.01	.02	.20	T	T	.10		.41	.34		.27		T		
HOLY CROSS	2.90		.18	.34	.28		.02					.06							T	.16		.02	.13	.31		T	.19	.01	.12	.04		T
HUGHES	2.82			.12	.03							.48								.03		.20	.12	.27	.04	.15	.37	.15	.17			
LADD AIR FORCE BASE	2.03		.21	.05	.04	T	.01	.04			.05	.32	.01							.22		.05	.44	.46	.32	.07	.04	.40	.28	.34		
MANLEY HOT SPRINGS	4.30		T	.21	.04	.64			.02		.08	.14	.27	T				.07	.11	.23		.02	.34	T	.29	T	T	.44	T	.08		
MC KINLEY PARK	1.36		.04	.10	T	.09		.02	.03	.05	.04	.25	.27	.03		T				.22	.19	.29		.24	.01	.05	.19	.03	.47	.03	.39	.34	
MINCHUMINA	1.41			.07	.22							.22																				
NENANA CAA	1.62		.38	.09		T		.06			.09	.18	.20																			
NORTHWAY MO AP	1.35	T		.03	.31	.01	.28	.10	.33	.04	.03	.04	.15	T	.15	T	.04		.08	.24	.23	T	.01	.12		.05	.11	T	.27		.19		
SCHRIT CAA	0.33		.01					.33	.13	.24	.23	.10	.19		T	T				.07	.01	T		T	.39	T		.05	.07	.12		
TANACROSS	3.21		.08	.28	.32		.18	T		.13	.04		.20	.15						.04	.04	T	.07	.27	1.34		.68	.36	1.37	.18	.13		T
TANANA CAA	3.05		.07	.17	T	T		.23			.02	.05								.35	.12	.10					.26		.38	.02	.18		
TOK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.01		.01	.01	T	.05	.39	.39	.33		.26		.31	T	.15	
UNIVERSITY EXP STA.	2.39		T	.13	.22	.33	T		.06		.03	.06	.18							.13	.17	.01	.08	.04	.01	.11	.15	T	.45	.03	.19	.01	
WILD LAKE	1.80			.07	.09			T			.01							T			.08	T	T	.03	.22	.45	.14	.02	.42	.01	T	
ARCTIC DRAINAGE																																
BARROW MO AP	1.18			T			T	.02	.02	T	T	T				.05	.22	T		.01	.46	T	.19	.02	.07	T	T	.02	T	.11	T	.01
BARTER ISLAND	3.40	T	T	T	T	T		T	.17			.31	.04				.41	.71		.01	.36		.31	.38	.40	.72	T					
CAPE LISBURNE	5.68			T		T		T	T	T						.25	.34	.07		.09	.09	1.46	.84	1.77	.65	T	.23	.23	.65	T	.01	
KOTZEBUE MO AP	2.77			.02	T	T					T									.02	.32	.90	.14	.31	.20	.31	.23	.10	.02	.10		
POINT LAY	-	.01																														
FAIRWEIGHT	1.44								T									.02	T	.02	.34	.19	.13	.16	.22		T	.16	T	.06	T	

Susitna R. @ Gold Cr.

Aug - 26 - 1955 56,900 c.f.s. peak

15-12-385

DAILY PRECIPITATION

Continued

ALASKA AUGUST 1971

Station	Total	Day of Month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
SOUTHEASTERN 01																																
ANCHON																																
ANNETTE WSO A	8.37	.24	.33	.28	.12			T					T	.02	.33	.19	T	.83	2.35	1.13	.48	.82	.38	.72	.05	.22	T		.30	T		.09
ANNEX CREEK	10.11		1.19	.40	T		.09	.11	T	.87			.02	.82		.34	.53	.07	.37	.71	1.32	.26	.62	.86	.72	.79	1.23	T	T			.89
AUKE BAY	7.94		1.45	.82	.01	.21		1.40	.02		.01	.04		.25	.64	.23	.22	.03	.01	.29	.72	.14	.38	.18	.07	.13	.36	.01		.09		.26
BEAVER FALLS	15.14		.71	.77	.40	.26		.39	.09					.81	.13	.31	.13	.16	.41	2.42	.67	2.93	2.63	1.03	.92	.83	.37			.14	.39	.26
CAPE DECISION	6.12	.13	.12	.12	.14		.06	.26							.04	.17	.12	.27	.79	.77	.32	.34	.19	.28	.37	.41	.17		.37	.23		.04
CAPE SPENCER	8.72	.36	.32	.23			1.38	.28		.24	T			.92		.18	.12	.26	.87	.41	.31	.47	.82	1.08	.72	.32			.23			.32
CORFMAN COVE																																
ELDRED ROCK	4.02		.29	.32	.01			.36				.02		.33	.02	.01	.01	.12		.33	.09	.13	.11	.21	.60	.18	.14	.03				.01
FIVE FINGER LIGHT STA	8.17		1.43	.37				.73						T	.83	.10	.09	.02	.63	1.93	.23	.20	.32	.23	.33	1.49	.23	T	.07	T		.35
GLACIER BAY	5.89	T	1.00	.22			.06		.11		.06	T		.96	.01	.17	.13	T	.13	.61	.41	.21	.26	.76	1.97		.31	.01			.17	.07
GUSTAVUS																																
HAINES TERMINAL																																
JUNEAU NO 2	8.22		1.11	.41			T	1.22	.13	.32		.03		.16	.35	.35	.22	T	.03	.79	.65	.19	.36	.42	.66	.20	.45		T			.25
JUNEAU WSO R	6.89	.16	1.63	.39	T	.33	.76	.29	T	.31	T	T		.46	.48	.69	T			.81	.30	.11	.13	.13	.21	.18	.13	.29		T		.36
JUNEAU 9 NW	8.39	0	0	2.39		T	T	1.10	0	0	0	0	.23	.33	.94	0	0	0	0	1.84	.46	.88	0	0	1.88	.25	.54				T	
KETCHIKAN	13.00	.11	1.15	.21	.67			T	.10											.03	.62	9.43	.10	1.46	.38	1.83	.19	.11	.02		.33	.83		.11	.42
LINGER LONGER	3.30		T	.35		T						T		.83	.85					.17	1.16	.23	.11	.07	.61	.09	.03				.03		.11	.12
LITTLE PORT WALTER	23.67		.27	.81	.09			.06								.27	.84	.77	3.09	3.11	.82	1.34	1.83	3.49	3.17	1.83	.79			.30	.02	.42	.88
PELICAN	6.87		.18					.36	.12				.02		.19	.38	.32	.10	1.28	.34	.11	.37	.81	.71	.22	.23	.89	.14	.13	.21	.31	.19
PETERSBURG	9.37	T	1.20	.37	.12	.02		.62	.09	.81				.39	.37	.09	.38	.04	.46	1.38	.68	.52	.81	.36	.96	.34	.22	.03	.03	.03		.46
POINT RETREAT LIGHT STA	6.62		1.17	.22			.17	.62							.07	.21	.15	.03	.15	.35	.19	.47	.35	.69	.78	.16	.09					.26
SITKA PAA AIRPORT	3.32	.16	1.08	T	.01		.24	.06	T	T				T	T	.03	.08	T	.08	.17	T	.32	.49	.65	.18	.14	.17		.07	.07		.42
SITKA MAGNETIC	9.61		.89	.49	T	T		.94								T	T	.04	.32	.21	.33	T	.73	.48	.44	.28	.37	.03		.11	.82	
SKAGWAY NO. 2	2.98		.70	.30				.35								.09			.11	.44	.17	.19	.09	.27	.08		.03			.02	T	.05
TENAKEE SPRINGS	4.29	T	1.32	.08			.02	.33		.81	.02				.02	.18	.08	T	.11	.36	.02	.13	.26	.33	.29	.41	.16	.06	.01	.11	.01	
WRANGELL	7.22		.82	.16	.39			.36						.33	.01	.47	.14	.01	.27	.52	.13	.30	.42	.80	.46	.73	.39		.04	.04		.33
SOUTH COAST 02																																
CAPE WINCHINBROOK	11.04	.04	.33			.30	.25	.30	.85	.30	.40		T	.79	.26	.33	T	.80	.10	.63	T		.97	.23			T		.18	1.72	1.82	.04
CAPE ST ELIAS	11.12	3.22	.92			.09	.23	.58	.24	.07	.53	.04	.02	1.12	.42	.56		.04	.11	.33	.28		.48	.36	.01		.29		.10	.91	1.57	.03
CHIENIK																																
COPPER LAKE PROJECT	3.32	.16	.19			.17	.33	.09	.47	.13	.08	.09		.03			.30			.16		.02	.01	.03		.08	.02	.09	T	T	2.63	3.08	
CORDOVA-MILAR	12.23	2.78	.76	T		.37	.35	.12	.80	.24	.54	T	T	.38	.17	.18	.13	.27	.01	.38	.05		1.17	.23	.83		.46	.01		.72	1.19	1.29
CORDOVA PAA AP //R	10.89	2.85	.76			.08	.43	.11	1.32	.14	.09		.15	1.16	.13	.39	.01	.05	.83	.27	T		.34	.01	.81		.05		T	.33	1.21	.33
KARLUK RIVER																																
KITOI BAY	4.21	.34	T			.02	T							T		.29	.04	.37	.68	.10	.39	.04	.44	.16	T	T	.24	.01	.96	.39		T
KODIAK WAS	4.84	.04				T						.29	.08	T		.49	.29	.72	.80	.06	.14	.07	.04	.22	T		T	T	1.41	.26		T
LARSEN BAY																																
MOOSE PASS	3.40				.13	.06		.79			.18								.15	.10	T		.13	.13	.13	.13			.05	.13	.79	
OLD HARBOR																																
SEWARD	3.77	.32	.19			.26	.48		.08					.15	T		T	.13	.24	.03			.17	.04	.13		.03	.14	T	.79	.33	.24
SITKINAK	3.84	.03						.01	.11	.01		.03	.29	.01	.01	.30	.04	.43	.08	.01			.25		2.10	.01			.10	.01	.01	
WHITTIER	18.32	1.05	.31			.01	1.12	.20	1.01	.04	.03		T	.78	.09		.38	1.02	1.21	.18	.28		.94	.42	.83	.12	.28	.73		1.87	1.34	1.36
YAKUTAT WSO R	8.36	T	.09			T	.33	T	.09	.04	T	T	T	.18	.04	.20	.83	.28	.83	1.16	.16		.46	.32	.20	.11	.03		.02	.13	.98	.16
SOUTHWESTERN ISLANDS 03																																
ADAK	2.29		T	T	.04	T	T	.19	.25	T	T			.05	.02	.03	.03	.04	.03	.04	.40	.09	T	T	.01	.51	.28	T	T	.62	T	.05
ATTU	1.68		.18	.02	T	T		.18	.08	.03			.07	.28		T	.11	.03	T	.11	T										T	.66
CAPE SARICHEF	6.45					.28	1.32	.31	.13	1.73	T		.11				.01	.04	.25	.04	.01	.17	.43	.07	.07	.03	.28	.28		.60		.04	.31
COLD BAY WSO R	2.79	.03	T	T	T	T	T	.37	.09	.23	.13	T	.04	.31	.09	.32	.17	.39	.03	.02	.04	.75	.13	.04	.39	.34	.14	.01	.03	T	T	T
ST PAUL ISLAND WSO R	2.79	.02		.11	.01	.04	.09	.42	T	T	T	.35	T	.34	.19	.36	.23	T	.34	T	.99	.11	T	T	T	.34	T	.13	.01	T	T	T
SHEMYA WSO R	3.96	T	.02	.02	.01	T	.22	.02	T	T	.01	.01	.16	.07	T	.03	.23	.42	.01	1.79	.30	.01	T	T	T	T	T	T	.01	.01	.21	.04
COPPER RIVER 04																																
CHISANA	1.37	T					.18						.16		.16	.02				.03	.36			T	.13	.03	.38				T	
KLUTINA LAKE //	1.32						.22	.27	.80	.20	.37			.40											.07	.12						.05
ERNESTINE	2.04	.26	.41	.03		.01	.19	.02	.02			.03		.23	.31				T	.12	.04		.03		.01							.12
GLENNALLEN	3.21	.10	.01	.10				.21	.12	.07	T	0.38		T	.87	.08					.02	.01	T		.20	.23	.21			T	.04		
GULKANA WSO	3.97	.23	.29				.19	.28	.09	.33	.28			1.02	.27					.32	T			.28	.22	.13					.13	.06
SUNSHINE																																
MC CARTHY	4.61	.12	.09	.02			.21	.19	.82	.92		.01		.13	.73	.33				.19	.03		.07	.01	.07	.11	.13				T	.12
OLD EDGERTON	1.76	.13	.25	.04			.23	T	T			.17		.13	.41						.05				.16	.31	.23				.07	.07
PALMER AP	1.76	.13	.25				.21	.02	.42	.04	.19			.27						.23	.12	.02	.04		.09	.23	.27	.19				.29
SLICE MOUNTAIN,	3.24		.24	.09				.28	.27	.02	0.54			.32	.35					.12	.21	.13		.02	.43	.28	.28				.02	.28
SNOWSHOE LAKE	3.13	T	.09	T		T	.22	.38	.26			.01		.40	.42					.03	.43	.02		.19	.43	.41	.33	.23			.03	.44
STUART LAKE																																
THOMPSON PASS																																
TONSINA LODGE	1.29	.11	.22	.07			.19	.01							.40					T	.09			.22	.09	.02	.23				.06	
WILLOW LAKE	1.92	.13	.33				.26		.06			.12		.14	.33	.03					.06	.01		.03	.17		.08				.07	.08
COOK INLET 05																																
ADULT CONSERVATION CMP																																
ALPINE INN	6.07	.10	.08				.39	.33	1.89	1.16	1.05	.32		.17		.09										.10	.23					
ANTESLA	6.26	.15	.23				.91	.33	.36	.30	.40	1.53		.06	.28			.22	.09	.11	.08		.23	.17	.16				.06	T	.40	.11	.21
ANCHORAGE PARK STRIP	2.36	.28	.16			.05	.36	.12	.93	.02	T					.19				T		T				T	.91					.03	.23
ANCHORAGE WSO R	2.39	.11	.26			.15	.33	.16	.79	.24		T	1.41	.19						.02							.24				.23	.19
ANDERSON LAKE -	6.26	.12	.13				.36	.28	1.51	1.44	.48	.16	T	.33	.23					.24	.34	.31		.03	T	.38	.48				T	.36	
BEACON PARK	2.83	.28	.12	T		.10	.30	.12	.77	.12	T	T	T	.36	T			T	T	T						.08				.19	.14	
BEAR COVE	2.39	.32	.14	T		.04	.07		.23	.22	.02		T	.32	.88		.01	T	.02	.03	.34	.36	T									
BENTS FARM MARKET	4.07	.12	.32			.23	.07	.39	1.48	.36	.04	.33	2.91	.21						.16				T	T	.30	.39					
BIRCH ROAD	4.14	.39	.30			.20	.04	.07	.04	.07	T	.03		.47	T			T	T	.01	.28			T		.31	.26	T		T	.16	.13
CHUGACH RIVER LODGE																																
EKLUTNA PROJECT	4.04	.25	.34	T		.03	.40	.20	1.17	.43	.29	.78	2.92	.34	.12					.22	.34				.03	.31	.32				.31	.27
ELMENDORF A F BASE	3.01	.11	.19			.19	.48	.22	1.19	T	T	T		.33			T	T	.04	.38			T		.02	.33	.21			.02	.19	.13
GLEN ALPS																																
GOOSE BAY MINE SITE																																
M E M GROCERY LODGE																																
MOOSE WSO	1.95	.28	.13			.40	.33	T	.28		T	.32	.04	.18			T	T		.04			T	T		.21	T		.21	.01	.39	.01
MOOSE 3 NW	2.24	.33	.16			.33	.18		.28		T	.23	.21	.35																		
INDEPENDENCE MINE		.23	.13			.13	.99	.70	2.03	1.77	.86				.07	.27				.26	.16	.21		.27	.18	.48	.13				.18	.21	.23
KASILOF	3.24	.10	.28		.30	.30	.60	.13	.30	.28	T		T	.88					T			T		T	.10						.19	.29
KASITSNA BAY	2.17	.39	.37			.37	.33		T		T	T	T	.32		.09	.32	.21	.11	.03	.06					T	.13	.04	.04	.16	.24	.16
KENAI PAA MUNICIPAL AP	4.29	.11	.16			.08	.83	.26	.48	T	.01		.23	.46			T	T	.21	.12			.11			.04	.01	T		T	.33	.23
KATHNUSKA AGR EXP STA	4.93	.12	.24	.01			1.38	.19	1.00	1.00	.40	.18	3.15	.32	.24					.20	.33	T		.01		.78	.37					.03
NICHOLS TERMINAL	3.03		.72			.08	.94	.21	.43		T						.04		.02	.12	.36		.14			T	.09	T			.28	.27
NINILCHIK 9 NE																																
OIL WELL ROAD EP	3.03	.23	.39				.42	.30	.38	.94	.25			.33						.02	.01										.19	.29
PALMER AAES	4.06	.27	.20				.33	.13	.92	1.22	.60	.61	3.97		.16	.08				.11	.02					.11					.35	.24
PALMER 1 N	5.26	.10	.13			.02	.50	.10	2.04	.79	.34	.44								.23						.02	.23					.04
PUNTILLA	2.89	.13	.39			T	.84	.32	.38	.32	.28			.17				.11	T	T	T		T			.33	.29					.03
SEWARD	2.69					.37	.28		.89			.07	.33	.13		.13	.13	T	.03	.07	.02											
SKAGWAY //	3.47	.47	.13			.14	.01	.14	.22	.01	.02	.12		.45				.01			.44			.28	.23	.02		.02		.29	.16	.34

15-12-326

DAILY PRECIPITATION

Continued

Station	Total	Day of Month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
SUSITNA 6 E	5.29	.02	.03		0.01		.05				.01		.04					T	T	T		.01	T		.01	T				.01	.02	1.05	.8
SUSITNA ACRES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUMMIT MINE SITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUSITNA HEADGAS	0.26	.76	.45	T		T	.56	.39	.07	1.15	.67	.33		.69						.01	.16	.03	.04	.6		1.33	.19	.16	.06			.2
TALKEETNA WSO	0.79	.38	.42	T		.04	.78	.47	1.35	.97	1.13			.37						.03	.39	.01		.28	T		.32	.22	.02		T	.1
TRAPPERS CREEK CAMP	5.28	.72	.42	.03			.44	.78	1.76	.33	1.23	.23		.04	.63			T		.35	T	.29	.18	T	.28		1.32	.68	.22			.1
SUSITNA 3 S	0.75	.18	.44	T		.29	.33	.18	1.75	.24	.44	.23	7.27	.37		.05		T		.07	.22				.03		.16	.25				.2
SUSITNA 2 NE	0.60	.21	.46			.23	.62	.25	2.12	.76	.12		3.35	.33				T		.40	.32				.04		.37	.89				.1
WHITE'S CROSSING	5.49	.75	.23			.23	.72	.29	1.21	.70	.06	.01	2.52	.19	T					.90	.07	T			.14			.92		T	.33	.2
BRISTOL BAY 06																																
BROOKS LAKE	0.47	.33	.11	.05		.39	.46	T	.09	.03	T	.46			.37	.34	.13	.13	.92	.15	1.40		.25	.01	.39	.07	.03	T	T	.09	T	.4
BROOKS RIVER	0.29	.26	.22		T	.75	.38	T	T	.02	.13	.36	.16	.20	T	.08	T	T	.13	.38	1.12	.09	T	.31	.27	T	.23	.01		.01	.23		.4
CAPE NEWENHAM	8.71	T			.63	.77	.96	1.34	.29	.15	.29	T	.19	.34	.19	.39	.47	.22	.10	.22	.33	.21	T	.01	.01	1.04	.92	.13	.23			T
ILIAMNA WSO	-	.28	.22		-	-	.85	.33	.89	.78	.73	-	-	.87		T	-	-	-	-	.29		.62		.29	-	-	.01		.22	T	.8
INTRICATE BAY	0.36	.21	.12			1.34	1.03	T	1.13	.47	.61	.23				.39	T	.38	.07	.01	.07		.89		.12			.31		.24	.12	.2
KING SALMON WSO //8	0.32	T	T		.07	.89	.19	.28	.24	.02	.19	.28	.43	.93	.31	.37	T	.69	T	T	T	.39	.01	T	T	T	T	.02	T	.02	T	.4
PORT ALSWORTH	0.60	.32				1.17	.95	.73	.35	2.23	1.34	1.80	.69		.29							.27										.2
PORT HEIDEN	2.33	T	.12		T			T	.19			.15	.19				.08	.23	.48	.09	T	.09		.18	.63	.07		.11	.14	.09	.35	T	.17	.2
SPARREVOHN	7.10	.28	.12			.82	.84	.75	.48	1.04	.83		.37					T		.89	.82			.11	.32	.84	.14	.82	T			.13	.1
WEST CENTRAL 07																																
ANIAK FAA AIRPORT	2.39			.23	.01	.22	.24	.30			.91	.71			T			T	.06	.35	.31	.01		.02		.12	.08					
BETHEL WSO 8	3.12	.23			.36	.81	.30	.16	.35	.03	.01				.01	.25	.23	.14	.01	.22	T	T	T		T	T	.36	.33	T	T		
CAPE ROMANZOF	1.95	.23		T	.04	.03	.24	.31	.36	.07	.21				.03	.21	.19	.39	.05	.06	.32	.31	.07	.04		.03	.13	.41				
CROOKED CREEK	2.27		.27				.06	.13		.32		.68						.04			.03		.12				.22				
GRAYLING	2.88	1.83					.79			.27							.37															
HOLY CROSS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	T	-	-	T	T	T	.08	-	-	-	
HOME WSO 8	.40			.07		T																										
NUNIVAK	.87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.8
RUSSIAN MISSION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ST MARYS	2.19	.03	.02		T	.27	.26		.37		T																					
TIN CITY	1.10	T	T	.01	T			T									.09	.12	.34	0	0	0	0	.36		.01	.01	.12				
UNALAKLEET WSO	1.65			.03	T	.12	.46	.04	.28	.30	T						.14	.66	.09	.11	T	.01	T		T	.04	.02	.03	.01	.01	.01	.8
WALES	1.16			.07						T							.33	.37	.15	T	.07	T			T	.01	.04					
																	.21	.39	.03	.03	.01	.02	.02		T	.31	.01	.06	.06	.02	T	T
INTERIOR BASIN 08																																
ALLAKAKET	1.84		.11		.22			.17	T	.15	.17	T						T	.03	.30	.32	.03	.02									
ANAKTUVUK PASS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARCTIC VILLAGE	1.30		T		.03			.15		.02	.13	T		.17	T						.29	.18	.03									
BETTLES WSO	1.15	.22	T	.16			.18		.02	.28	.35		T					T	T	.14	.31	.06		T	T	T					T
BIG DELTA WSO	2.95	.11	.14		.22	.02	.07	.01	.06	.17	.42		T	.13					T	.31	.08	T		.14	.46	.13	.02					.6
CENTRAL NO 2 //	1.47	.09	.07	.09	.09			.02	.15	.17	.10	.07									.27	.33	.06									.0
CHALLENGER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHENA HOT SPRINGS	3.25	.11	.44	.13	.30	.12		.14	.21	.37	.70	.38									.30					.23	.10					
CIRCLE HOT SPRINGS	1.09	.08	.32	.02	.19	.03	.01	.08	.17	.01	.14	.13								.07	.11	.08	.03		.01	.08	.09	T				.8
CLEAR AIRPORT	0.47	.08	.15	.06	-	-	-	.35	.40	1.03	.22						.21			.14	1.26	.02	.02	T	.03	.04						.1
CLEAR WATER	2.37		.23		.28	.04	.06	.37	.26	.04	.03	1.20									.28	.03			.07	.10	.38	.07				T
COLDFOOT CAMP	.75	.13	T	T			.08		.26					.39	T						.11	.12			T							
COLLEGE AGR DEXP	2.24	.04	.15		.23	.01		.38	.04	.37	.41	T		T	T				T			.26				.28	T	.01				.1
DIETRICH CAMP	.46	.16	.09				.07	.33	.09		.14														.06							
DOT CAMP	1.97				.12		.08				.31		.81												.21	.02	.14		.13	.23	.03		
EIELSON AFB	3.23	.22	T	.37	.48	.32	.34	.10	.23	.42	.27			.49																		
EIELSON VISITORS CEN.	7.97	T	.43	.69	.17	.43	.11	.47	.83	.91	.46		.23	.35	.12		.35				.36	.34	.05	T	.29	T	.13					.8
FAIRBANKS WSO 8	2.32	.25	.23	.09	.11	T	.04	.34	.27	.46	.15	T									.06	2.32	.48	.09	.01	.12	.22	.05				
FAREWELL WSO	8.37	.48	.89			.34	.88	.25	.14	.37	.81	.01	.34	.32	T			.02			.29	.01	.01		.32	T						.8
FIVE MILE CAMP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		.34	2.47	.02			.13	.08	.42				.1
FORT YUKON	1.20	T	.12		.03	T				.37	.23																					
GALENA	1.92	.28	T	.28	T	T	.39	.17	.31	.39	.07						T	T	.83	T	.09	.13			T	T		T	T			
GILMORE CREEK	3.22	.02	.15	.04	.01	.02		.22	.07	.72	.72	.20										T			T							
INDIAN MOUNTAIN	4.99		.31	T	.21		.11	.16	T	.39	.36	T	T				T	T		.07	.33	.23		.07		.08					.0
MACLAREN RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.29	.01	.02	.01	T	.05	.01	T				.0
MANOKOTAK	7.09	.85	.15	.13	T	T	.40	.30	.99	.60	.89	-	-	.65	.08	.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.8
MANLEY HOT SPRINGS AP	-	-	-	-	-	-	-	-	-	-	-																					
MC GRATH WSO 8	2.37	T	.01		T	.04	.81	.29	.33	.20	T							T	T	.02	.01			.11	.01	.03	.01					
MT HAYES FAA RADR	-	.26	.13	.02	.47	.18	.20	.39	.13	.37	.39	.33		.08	.02					T	.34	.39		T	.07	.06	.15					.0
NENANA FAA AIRPORT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NIKOLAI	5.12	.11	.07				1.20	.06	.47	.98	.39																.09	.84				
NORTH POLE	2.75	.24			.40	-	.01	.11	.10	.34	.37			T						.13	.32											
NORTHWAY FAA AP	1.36	T	T	T	.02	.01	.04	.01	.34	T	.04			.19	.01					.18	.46	.04		.17								.1
PROSPECT CREEK CAMP	1.80	.16	.07	.18	.12		T	.26	T	.33	.33			T	T					.06	.24	.31	.01	.06	.11	T	.08					
RIKAS LANDING 8	2.94	.03	.31	.36	.21	.37	.09	.23	.37	.33	.48			T	T					.14	.34	.19										
											2.02										.10	.26			.46	.05	T					
SUMMIT FAA AIRPORT	2.39	.38	T		.38	.16	.31	.13	.25	.41	.23		T				T	T		.22	.25		.02	T	.04	.03	.01					
TANANA WSO	2.22	.12	.28	T	.25		.16	.46	.26	.31	.15			T						T	.34	.05	T		T	T				T		.0
TANANA - EVAP	2.82	.36	.28		.22			.41	.13	.38	.43	.32									.23	.27	.02		.01		.02	.07				.0
TETLIN 8	2.34	.02	.03		T	.03	.76	.34	.49	.36											.01			T	.22	.31	.06	.31				
THE CACHE/THE HOUSE	1.22	.12	.27			.11	.39	.01	.47	1.10	1.13		.02	.30							1.23					.36	.10			.06		.1
THE HARRIS'S	2.34	.03	.01	.04	.38	.10	.13	.10	.08	.07	.19	.34		T	.01					.02	.03	.13	.01	T	.03	.12	.17					.8
TOK	2.49	.04			.19						.36				.31							.38	.04	.02	.13	.34			.03			
TWIN CAMP	8.47	.93	1.03	.09	.23	.05	.09	.01	.23	.72	1.12	.49		.27	.02	.09	.02	1.32	.09	.22	.10	.23	.09		.19	.17	.12	.12			.05	.0
WEST FORK	2.57	.11	.22		.02		T	.46	.48	.33	.35	T								.04	.12			.02		.11	.01					.1
WILD LAKE NO 2	.88		.09	.03	.01			.08					.10								.23				.01	.07	.06	T			
WONDER LAKE	0.14	.19	.33	.28	.03	.05	.03	.03	.08	.44	1.20			T						.34	1.09	.19				.18	.09					.8
ARCTIC DRAINAGE 09																																
BARROW WSO //8	.33	T	.01	T	T		T	.32	.01	T	T	T					T	.32	.09	.28	T	T	.02	.03	T		T	T	T	T	T	T
BARTER ISLAND WSO 8	.42	.02	.18	.03	.02	.09		T		T	T		T	T							.22	.02										
CAPE LISBURNE	1.11			.04	.04	T						.32					.32	.39	.23	.13	T					.23		.01	T	T	T	T
GALBRAITH LAKE CAMP	.01	T	T		T	.01		T		T		T							T								T					
HAPPY VALLEY CAMP	.79	T	.42	.05	.10	.04		.11	.02	.05		T								T									T	T		
KOBUK	.61			.12	.17	T																										
KOTZEBUE WSO //8	.36			.28			T					T	T				.01	.04	T	.18	.33	T	T	T	.04	T						
																					T				.01	.32	T	T	.02			

Susitna R. @ Gold Cr.

Aug. 10 - 1971 77,700 c.f.s. peak

15-12-387

DAILY PRECIPITATION

ALASKA AUG. 67 1967

Continued

Station	Total	Day of Month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
SOLDOTNA	3.80	T		T	T	T	T	T	.05	T			.10	1.25	T	.05	.98	.20	T		.04	.05	.09		T	.10	.25		T	.10	.15	.28
SOUTH FORK	-	-	-	-	-	-	-	-	-	-			-	-	-		-	-		-	-	-	-	-	-	-	-	-	-	-	-	-
STERLING	4.07	.20	T	T		.09	T		.07	T	.35	T	.10	.67	.01			.51	.34	T	.02	T	.26		T	T	.14	.45	.05		.25	.11	.02
SUMMIT NIKE SITE	.19												.02	.04	.02				.03		.01		.02							.02		.03
TALKEETNA FAA AIRPORT	3.88	.07	T		T	.01	T	T	T	.22	.48	.09	.27	1.48	.38	.32	.92	.35	.20	.03	.01	.10		.02	.01			.27			.09	
TYONEK	4.84	1.30	.04			.04	.14	.09	.27	.34	.02	.21		.20	.04	.02	.09	.10	.42	.22		.27			.04	.18	1.10	.28			.33	.17
VENTA	-	-	-	-	-	-	-	-	-	-			-	-	-		.43	.32		.07	.62	T	.05	-	.04	.02	.54		.11	.31	
WASILLA 3 S	4.96	.61				T					.74	.23	.42	.38	.35		.40	.21	.09		.01	.34	.07		.11	.21	.59			.10	.01	
WASILLA NO 2	4.14	.65									.08	.08	.09	.46												.40	T	.10	.30	.13	.20	
WILLOW TRADING POST	3.47	.30						.52			.15		.80	T	.20	.80	.40			.20	.40		.40	.10								
BRISTOL BAY 06																																
ALEKNAGIK	4.84				.09	.10	1.75	T	.09			.50		.34	.35	.50	.14			T			.01	.85	T		.33	.09			1.10	.00	
BROOKS LAKE	4.74	.06				.05	T		.01	.07	.58						1.90		.04		.42			.04	T						.00	
BROOKS RIVER	-	-	-	-	-	-	-		-	-			-	-	-		-	-		.38	-	.01	-	-	-	-	-	-	-	-	-	-
CAPE NEWENHAM	4.95	T	T	.25	.79	.25	.68	T	T		.46	.07	.17	.77	.02	.02					.10	.02	-	-	-	-	.61		-	T	T	.18
DILLINGHAM	4.38	.07	.05	.02	.27	.17	.23	.04		.21		.11	.66	.30	.43	.33	.12	.11		.02	.07	.29		.23	.07	.09		.03		.07	.29	.25
ILIAMNA WB AP	6.74	.12	.01		.18	.21	T	.03	.15	.30	.28		1.20	1.78	.31	.89	1.11	.93	.78	.02		.01	.02	T	.17	.32	.06	T		.13	T	.01
INTRICATE BAY	6.29	.10			T	.39	T	.24	T	.19	.01	T	.27	1.17	.08	.01	1.64	.10	T	.02		.02	.24	.29	.09	.10	.52			.12	T	.01
KING SALMON WB AP //8	3.15	.23	T	T	.39	T	T	T	T	T	.31		.12	.64		.80	.10	T	.11	.02		.12	.14	.16		.18	.35					
PORT ALSWORTH	5.93						.46	.12		.48	.34	.04	.36	2.40			1.00	.12					.15		.16	.32			.28		.89	
PORT HEIDEN	2.35	T			.16	T	.10	T		.04			T	.15		.38	T	T	.17													
SPARREVOHN	3.68	.13			.09	.04	.04	.01	T	.31	T	.02	.04	.61	.37	.38	.29	.34	.40	.11	.60	.10	.03	.09	.03	.11	.04	.02		.22	T	T	
STONY RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST CENTRAL 07																																
ANIAK FAA	1.00	.01			.01	.02		T	T			.07	.20	.02	.19	.17	T	.14	T	T	T	.07	.03	.05	.01	T	.06			T	T	T
BET-EL WB AIRPORT 6	2.01	T		.06	.01	.09	T	T	T		T	.28	.29	.02	.22	.55	.03	.04	.03	T		.07	.17	T	.02		.04			T	.17	
CAPE ROMANZOF	6.87			.87	.04	.33	.08			T	T	1.36	.16	1.05	.27	1.00	.37	.02	.01				T			.04	.37	T			.50	.30
HOLY CROSS	1.88					.18						.15	.25	.16	.20	.35	.16	.12	.07							.09	.04					
MOSES POINT FAA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.15	.02					
NOME WB AIRPORT 8	2.80		T		T		.04		.02	T	.04	.36	.03	T	.47	.07	.35	.01					T	T		.29	T	.02	T		T	
NORTHEAST CAPE	2.90	.01	.01	.08	T	.06	T	T	T	.12	.01	.60	.06		.14	T	.68	.23	.06	T			T	.11	T	T	T	T	T		.20	.02
NUNIVAK	1.76			.04	.09	.20	.18						.10					.27		.11			.13							.30	.30
RUSSIAN MISSION	2.32					.28		.03	T			.04	.36	.12	.18	.48	.12	.18	.10	.04					.35	.07	.12	.11			T	T
ST MARYS	3.42						.05					.29	1.12	.08	.20	1.13	.18	.05	.01	T					.04	.15	.15	T	T		.02	T
TIN CITY	2.38				.09				.10	.03	.19	.03			.25	.31	.37	.04								.31	.03	.35		.04			
UNALAKLEET WB AP	4.21				T	T	T	.34	T	T	.10	T	1.31	1.27	.85	.33	.19	.01						T		.01	.10	T			T	T
WALES AIRPORT	2.10		T	T	.01	.04		T	T	T	.10	T	.14	.01			.37	.47	.29	.13	T				T	.42	.01	.02	T	.08	T	.01	
INTERIOR BASIN 08																																
ALLAKAKET	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.03	.05	.04	T	.05	T	-	.10	.22	.04	T	.29	T			
ANAKTUVUK PASS	-	.09	T	-	-	-	-	-	-	-	-	.04	T	-	-	-	-	.40	.48	.03	T	T	-	T	.13	.04	-	.04	.01	-	-	.01	
BETTLES FAA AIRPORT	2.17	T							T	.18	.24	.22	.12		.16	.01					T	T	.25	.12	T		T	.12	.02			
BIG DELTA FAA	1.36	.24			T				.12	.06	.09	.04	.42	.03	.02	T	T				T	.06	.04		.08				T		
CANYON VILLAGE	1.72	.69							.01	.33	.27	.04	.48	.03																		
CENTRAL NO 2 //	5.70	.23	.09							.80				1.17	1.32	.73	.33	.02	.04	.04	.10		.04	.02		.04	.01	.03			.02	.25
CHALKYITSIK	1.37	.06							.09	.28	.33	.01	.58		.02	.33	T	.08	T	T						.08						
CHENA HOT SPRINGS	7.74	.36	.02				.05		.23	.30	.42	.18	3.13	1.50	.63	.34	-				.27	T	T	.17	T	.01	T	.03	T	.91	.25	.21
CIRCLE HOT SPRINGS	5.75	.09	T							.34	.02	.01	1.64	1.62	.84	.17	.01	T			.14	T				T					
CLEAR AIRPORT	10.06	T						T			1.00	.70	1.70	4.58	1.20	.33	.09				.04			.38			.16	T			
CLEAR WATER	2.37	.02	.15						.09	.10	.09		.85	.19	.19								.15	.05	.25	.48			.20			
COLLEEN RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T		-	-	-	-	-	-	-	-	-	-
COLLEGE WSO OBSY	7.36	.38	.09							.30	.21	T	2.25	2.91	.65	.40	.03	T											.44	.36		
DELTA JUNCTION	2.46	.17	.09		T				.28	.09	.06	T	.99	.11	.13	T							.37	T	.78	T			T	.09	.03	T
DOT LAKE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EIELSON FIELD	7.47	.38			.02				T	.68	.29	.05	3.66	1.42	.38	.09	.02	T	.02	.02			.22	T	T		.01		T	T	T	T
FAIRBANKS WB AIRPORT 8	6.22	.02							.02	.36	.09	.07	3.42	.69	.47	.07	T			T			T	.01					T		
FARE-ELL WB AP	3.26	.16	T		T	T			.50	.22	.03	.33	.26	.26	.29	.21	T	T	.19	.19	.12	.12	T		.22		.18	.26	.02			
FORT YUKON	.35	.31									.10	.15			.05	.02											.26	.21				
GALENA	4.70			.01				.04			.01	.83	1.48	.48	.32	.18	.01	.48		.18			T		.10	.09	.18	.10	T		T	T
GILMORE CREEK	9.48	.39	.11							.67	.32	.04	3.38	2.80	.75	.78							.14		.09			.12	.09			
HUGHES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INDIAN MOUNTAIN	3.44				T				.11	.16	.04	.01	.84	.02	.25	.11	.39	.37	.22			.35	.04	.02		.03			.08	.09	T	.04
MANLEY HOT SPRINGS	4.72	.50	.28		.18				.90	T	.02	.35	.35	.73			.63	.04	.19			.03	.50	T	.20	T		.05	.10			.26
MANLEY HOT SPRINGS	6.89	.19								.08	.02	.14	3.33	.68	.54	.38	.63	.04	.19					.30	.03			.06			
MC GRATH WB AIRPORT 8	3.41	.07		T		T			T		.05	.07	.33	.22	.70	.41	.18	.41	.10	.18	.07	.44	.01	.01		T	.09			T	.03	
MC KINLEY PARK	3.49	.26									.41	.25		1.66	.32	.32	.05	.01	.01	.03	.04						.05	.12				
MCKINLEY PARK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T	T	-	-	-	-	-	.20	T				
MENANA FAA	8.26	.38							.07	1.01	.06	.52	3.54	2.22	.60	.10				T	.04		.21	.02	.03		.06	T			.01	.12
NORTHWAY FAA AP	1.85	.03			T		T		.28		.01	.37	T	.00	T					T	T	.90	.16	.09	.03						
RAMPART NO 2	6.08	.32								.28	.11	.48	2.00	.30	.32	.26	.38	.02	.32	T										.80	.20
RICHARDSON	2.87		.10							.15	.08	.14	1.07	.28	.36	.08	T			T	.07	T	.94	T	.22	.08		T	T			
SUMMIT FAA	3.32	.34	.12	.01	T				.30	.10	.48	.16	.18	.47	.28	.03	.23	.04	T	.09	T	.10	.13	.22	T	T	T	T	T	T	T	T
TANACROSS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TANANA FAA	5.08	.02			T					.19	.10	.44	1.96	.13	.36	.07	.69	.24	.03	T	T		.40	T	.03		.04	T			.31	
TATALINA	4.17	.09		T					.28			.39	.83	.03	.37	.43	.35	.78	.11	.19	.15	.09		.38	T	.02	T			.02	
THE GRACIOUS HOUSE	7.54	1.63				.05		.02	.05	.22	.97	.75	.34	.55	1.08	.77	.79	.25			.27					.30	.05		.08	.19	
TOK	9.16	.85	.67				T			.37	.35	.40	.73	2.44	.91	.29	.19	.31	.04	.03	.12	.13	.24	.09	.19	.04	.04	.06	.04	.03		
UNIVERSITY EXP STATION	6.27	.03								.44	.09	.17	3.04	.45	.63	.31																
VENETIE //	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST FORK	4.92	.34	T						.05		.28	.11	.21	1.78	.44	.35	.27	.29		T						.20	.22	.02		.09	.01	.10	
WILD LAKE NO 2	2.60										.29	.17	.01					.25		.61								.11	.03			
WONDER LAKE	3.41	.63									.37	.36	.08	.49	.87	.30	.31	T		T	.07	T	.03	.11	.03				.11	.05	T		T
ARCTIC DRAINAGE 09																																
BARROW WB AIRPORT //6		.32		.02	T				T	T	.83	T	T	+	T	T	T				.08	T	.01	T	.05		T	T	.01	.03	.04	T	T	T
BARTER ISLAND WB AP 6		.34	.10		T							T	.07	T	T						T	.02	T		T	.04	.24	.13	T	T	T	
CAPE LISBURNE		1.24	.01	.01	T	T			T	T	.03	T	T	T			T	.33	.08	.06	.03					.23	.26	.16	.21	.02		
KOBUK		1.35										.10	.02	.04	.04		.01	.15	.04	.21	.13	.03	T				T	.06	.21			
KOTZEBUE WB AIRPORT //6		1.32			T	T		T					.02				.40	.35	.25	.03	.17	T			.03							
WAINWRIGHT		1.44	T	.01	T									+			T	1.08	.03		.04				T	.03	.10	.07	.04	.12		T

Susitna R. @ Gold Creek.

August 15, 1967 76,000 c.f.s. peak

15-12-38?

DAILY PRECIPITATION

ALASKA AUGUST 1967

Station	Total	Day of Month																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
ASTERN 01																																
AIRPORT	4.14		.03					T	.06	.43	.39	.12																				
	10.25							.30	.72	.99	.91								T	.45	.06	.04	.11			.36	.10	T	.09	T	.39	1.20
	13.82	.16	.24	T				T	1.04	1.10	.21	1.07	.17	.18	.01	T			.32	1.01		T	.35	.03		2.34	.26		.81	T	.42	1.29
	6.17	.31	.30	T					.30	.60	.38	.30	.02		.05				.05	2.26	2.18	1.13	.33	.11	.17	.48	1.31	.89	T	T	.22	.12
FALLS	20.68							T	1.11	1.31	2.04	.32	.02						.12	1.21	1.79	.56	.46	.05	.34	.36	.34	.13	T	.01	.18	.15
																				1.02	1.10	1.44	.36	.46	.63	1.48	1.51	.12			.41	.30
DESIGN	6.09																															
ENCES	19.72	.03	.38					.20	1.16	.10	.38	.05							.32	1.06	.29	.17	.44	.09	.09	.98	.07				.12	.48
ADDS	4.07	T						.17	2.08	.41	1.29	.16			.33	.04			.48	.86	1.74	.22	.04		.04	2.32	1.21	.04	.05		.27	1.44
NGER LIGHT STA	5.97								.29	.36	.03	.34	T							.29	.56	.12	.03	.11		.40	.76				.39	.67
Pav	18.68	.16	.12						1.64	.03	1.04	.02	.09						.04	.83	.63	.21	.23	.10		.08	T				.25	1.67
								T	1.19	.84	.62	.21	.03	.81	T	T			.08	1.16	.93	.42	.63	.01	T	1.12	.29	.59	.81		.22	2.02
ISLAND	9.06																															
S FAA	7.04	.08	.04	T				.16	.56	.32	.51								.40	1.22		T	.42	.65	.92	1.65	.10				1.35	1.38
TERMINAL	3.76	.02	.03						.44	.22	.16	.46			.34	.89			.11	.66	.36	.27	.67	.17		.34	.81	.08	T	T	.38	.78
NO 2	7.68	.08	.06						.39	.13	.07	.18							T	.36	.72	.10	.35			.35	.73			.04	.35	.87
ne AIRPORT B	5.44	.15	.30					.11	.34	.13	.35	.16	T	T	T				.20	1.30	.95	.25	.30	.08	.15	.80	.70	T			.10	.13
																			.15	1.04	.30	.36	.17	T	.03	.36	.08	.04	T		.17	.44
9 Nm	18.00	.25	.48	.03					1.11	.61	.12	.85	.02	.01	.03	.81			.19	1.09	.85	.77	.94	.24	.21	1.06	.65	.20				.29
0m	21.27	.02							1.40	1.20	1.33	.02								4.80	T		.92	1.24	.02	3.13	1.80		.06		.60	1.35
ROCK LIGHT STA	6.38							.20	2.40	1.20	1.33	.02								.80	T		.92	1.24		3.13	1.80				.60	1.35
CHORES	3.23		.02			T		.30	.89	.67	.48								T	.24	.34	.08	.05	.08		.38	.23	.02			.82	1.23
POINT WALTER									.17	.36	.18	.07														.35	.58		T	.21	.32
	16.18	.39	.03					.86	1.07	.29	1.31	.22		.04	.12	.83			.88	1.58	1.79	.60	.19		1.37	2.41	.70		.02	.09	.50	1.16
NG	9.29	T							1.01	1.73	.44	.15							.04	1.32	.12	.21	.49	.15	.09	1.04	.61	.03	.02		.33	1.10
STREAT LGHT STA	9.28	.12	.09					1.36	1.40	.21	.13	.32			.01				.02	1.62	.30	.46	.32			1.32	.46					.42	
AA	7.44	.49	.06	T				.06	.89	.09	.40	.76	T	.35	T	T			.39	.31	.56	.07	.83	T	.05	.45	.36		.03	.12	.15	1.46
AGNETIC	7.93	.23	.48	.03					.29	.73	.04	.93	.35	.18						.38	.63	.69	.48	.48		.48	.32	.06	.01	.02	.25	.81
NO. 2	3.31		.03						.29	.09	.28	.15	.02						.18	.27	.43	.03	.81				.77	.14		.03	.39	.85
S COVE									.17	.34	.18	.07																				
NT LIGHT STA	10.45							.02	1.62	.12	1.72	T	.02							1.55	.08	.11	.46	.45	.01	.33	1.79	T		T	1.46	.17
	8.98								1.00	1.17	.98	.24	T						.04	1.26	.41	.18	.39	.38	.12	1.18	.51	T			.44	.78
COAST 02																																
NCHINBROOK	18.44	.87	.38	.09	.44	1.93	1.84	1.35	.82	.46	.27	T	T	.48	1.20	.24	.24	.19	.31	1.37	.26	T	T		1.16	1.73	.73					
ELIAS	16.04	.17	T	.22	.08	1.82	.98	2.02	1.65	.20	.16		.01	1.21	1.47	.03	.08	.04	.50	1.35	.06	.15		.01	2.24	.46	.19	.09	.03	.07	.46	.84
KAFF PROJECT	2.46	.12	.02	.01	.01	.09	.08	.29	.12	.01	T	.01		.38	.68		.14		.20	.19	.03	.02		T			.07	.06	T	.08	.03	
HLAND																																
FAA AP //R	11.46	1.00	.01	T	.22	.32	.69	.76	.51	.15	.20	.09	.29	1.78	.68	T	.25	.09	.18	.42	.03	.31	T	.40	.29	1.08	.46	.09	T	.27	.45	.35
LAKE NO 2		T		T	.48	.22	.13	.32	T	.23	.84		T	.07	.50	.09	1.32	.41	.41	.13	.06	.19	.02	.13	.39	.11	.22					
AY	12.41	.03			.42	1.28	T	.95	.16	.15	.22		T	.30	1.39	1.08	T	.93	2.04	T	T	.78	.13	.03	.62	.28	.09					
645	8.25				.98	.06	.29	.82	.08	.04	.01		.19	.04	.44	.04	.17	.48	.39	.02	.32	.59	.22	.65	.46	.39	T					
887																																
ASS	3.17		.32				.20	.39																				.15	.14	.14	.22
													.60		.68		.10	.20	.05	.10		.18				.19					
SCH																																
	8.26	.38		T	.13	.79	.21	1.07	.07	.04	T	.03	T	.41	.41	T	.24	.90	.10	.21	.08	.24	.03	T	.69	.25	.19	.02		.35	.39	.26
AIRPORT	4.73			.02	.03	T	.04	T		T			.12	.35	.03	.28	1.33	.05	.93		.13	T		.33	.34				.81	.19	.12	
	.34	.04						T						.42										T	.18							
A FAA	10.98	.82	.63	.01		.02		.18	1.61	.81	.90		T	.05	.65	.13			.03	.48	.02	.07	T	T	.06	1.48	1.31	.01	T	.27	1.19	.50
AA AIRPORT B	14.15	.82	.44			T		.72	1.22	1.79	.83		.02	.02	.12	T	T	T	.72	.37	1.18	.44	.12	T	.82	1.87	1.27	.17		.26	.22	.81
STERN																																
03																																
	3.28	.15	T	.15	T	.36		T	T	T	.36	.14	T	.07	.33	.31	.32	.22	2.20	.06	T	.11	.82	.36				.27	.25	T		T
	3.74				T	.19					.24	.46	.32	.47	.31	.32	.04		.10			.17	.38					.35	.02			.01
TCHER LGHT STA	1.47	.40	.02	.01		.01								.01	.02						.27											
AS AP B	.72	.34	T	.02	.08	.74	.79	.39						T	T					.18	.31	.39	T	.10		.36			.03		.04	.15
ISLAND MB AP A	2.39	T	.08	.06	.01	.02	.06	.01	.58	T	T	T	.26	.11	.39	T	.21	T	T	.48	.12		T	.46	.26	.02	.02		.01		.33	.01
									T					.03	.09		.01	T	T					T		.02					.17
MB AP B	2.10	.01	T	T	.26	.05	.03	T	T	T	.39	.06	.01	.12	.03	.02	.03	.06	.30		.02	.16	.10	.02				.13	T	.61	.02	.01	T
	5.91		.20	T	.10	.42	.35		T	.03		.19	.85	.46	.09	.33				.42		.04	.26	.92	.34					.31		.26	T
RIVER 04																																
VALLEY SCHOOL																																
LAKE	2.15	.40				.36			T	.10									.08													
	1.09	.05	.10										.25	.09															.05	.07	.07	
									.01	T	T	T		.14	.28	T		.35	.19							.10				.10		
CHMACAN	1.19	.02	.23																.02	T	.06	.85	.15	.14	.04					.02		
ne AP	1.91	.34		T		T	T	T	T	.09	T	T		T	T	T	T	.03	.05	.18	.16	.32	T	T	.70	.01	.04	T	T	T	.01	.07	.34
	.22								.25				.03	.04	T		T	.10	T													
LAKE	1.24	.19	T			.12	T		.09	T				.16		T			.09	.01	.04	.11		.22	.10		.02	.01		.01	.10	.01
ER																																
	.27	.87			.04				.23																							
	1.44	.23							.07											.02			.37		.06		.04	.12		.02	.11	
E LAKE	.61	.02																														
ROA PASS									.07		T	.04		.11	.16			.03		.01	T	.08	T	.24	.01		.03	.01	.09		.04	.02
LODGE	.78	T	.08	.20	.01	.09			.05									.07		.85	.02	.01	.02									
ALET 05																													.86		.34	.02
CONSERVATION CMP		.02																														
TNA	2.66	.01				.03			.02		.08	.22	.18	.02	.58		.42	.27		.03		.24										
	6.64	.66										.14	.20	.04	.60			.29		.03		.10						.07	.32			
E AA AIRPORT B	7.36	.32		T	.10	.19	.15	.80	.55	.05	.10	.13	.10	1.15	1.05		.09	.40	.15	.04	.09	.02	.10	.20	.20	.10	.25					
					T	.31	.26	T			.01	.32	.19	.35			.12	.44	.02	.09	T				.02	.04	T				.05	.16	
																															.28	.14	.01
CAO	2.72	.39		T		.31	.04	.04	T	T	.10	.08	.14	.49	.06		.03	.10	.02	.20	.01	T		.06		.20	T					
E CAPE SCHOOL	2.77	.56	.01				.10	.09	T	.05	T		.15		.67	T	T	.37	T	.02		.07		.03	T	.15	.05		T	.21		
PROJECT	3.63	.63	.01			.33	T		.01		.06	.13	.16	.06	.23	T	T	.25	T	.05		.13	.02	.33		.22	.11	.18	.01	.10	.03	
RA A F BASE	3.19	.68		T	.25	.13	T	.03	T	.09	.09	.28	.06	.10			.13	.39	T	.08	T	T		.08	T	.16	.05			.30	.06	T
AY MILE SITE																																
CE LODGE	7.80	.76	.13	T	T			T	.87	.35	.37	.27	1.24	1.01	.27	.36	.66	T	T	.15	.07	T	.96	T	T	T	T	T	T			
AA	3.05	.32		T	.03	.25	T	.02	.35	.02		.04	1.32	.01		.45	.28	.04	.05	.33	T		.03	.23	.37	.12		T	.37	.34	.06
	5.02	.34			.08	.35	.07	.01	.28	.03		.04	.63	.10		.87	.37	.26	.27	.04			T	.22	1.35	.15			.28	.20	.28
A BAY	4.30	.40				.30			.26	T		.20			.80	.70	.20	T	.10	.10	.04	.28	T	.23	.30		.20		T		.25
	4.67				.03	.31	.01	.18	.05	.01	T	.02	.06	.20	.24	.45	.87	.23	.24	.06	.01		.01	.72	.34	.04	.01			.24	.13	.11
AA																																
AA AGH CAN STA	4.69	.04		.11	.27	.11	.02	.05	.07	.04		.40	.42	.08		.87	.66	.03	.02	.02	.19		.04	.04	.15	.08			.44	.03	.01
AT RICH, GC	2.86	.24				.01			.01		.08	.16	.25	.06		.25	.10			.16	.25		.17		.02		.27		.04	.02	
TERMINAL	2.63	.48				.08	.02	.01			.05	.19	.13	.27	.32	.29	.37	.02	.13	.23	.24		.02		.13	.05	.09		.22	.08	
IR		.34		.03		.30	.01	.04	.02	.09			.32	1.02	.28	.21	1.28	.74	.20	.32	.24		.01	.02		T			.44	.11	.06
	9.81	.47									T		.20	T	1.45	T	1.49	.69	.16				T	.02					.46	.11	.02
AKES	2.46	.70	.02				.03	T																								
	3.20	.75				.02			T	T		.23	.22	.24	.70	T	.22	.19	T	T	.02	.16		.03		.01	T	.06		.25	T	T
	3.44	.59	.03						.12	.17	.30	.22	.16	.22	.35		.22	.17		.39	.02	.20		.04		.03		.12		.09	.01	
ACK												.02	.15	.33	.23	.03	.34	.02	.26	.03	.10	.09				.03				.01	.03	
ALMON CREEK	19.02			.20	2.82	.42	.73	.28	.16				.30	T			2.35	2.33	2.03	T	.12	.23	T	T	.02	.13	.20	T	.42	1.16	.40	

15-12-389

DAILY PRECIPITATION

CONTINUED

Station	Total	Day of month																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
PETERSBURG	8.71	.39	.09	.12	.28	1.01	.34	.37	.26	.05	.10		.09	.66	.73	1.85	.14	.09	.19	.12	.31	.17		1.33	.04	.01		.04	.04			
POINT RETREAT LIGHT STA	6.66	.03		.13	1.27	1.15	.03	.22					.05	.22	.21	.72	.12	.09	.19	.23	.09	.13		1.67	.09		.11	.01				
PORT ALEXANDER	19.95	.38	.12		3.82	.59	2.65	.40		T	.08		.04	.67	.31	.11	.65	.16	1.79	.09	3.19	.02	.07	4.75							
SITKA CAA	8.29	.06	.26	.02	.66	.17	.36	.01			T		.04	.23	.14	1.32	.37	.02	.45	.26	.17	.13	1.38	1.72	.05	.09	.04	.18		T		
SITKA MAGNETIC	8.79	.21	.12	.08	.21	.24	.29	.49			.02			.09	.12	.67	.74	.83	.12	.14	.27	.15	.02	3.48	.06	.04	.03	.15	.05		T	
SEAGULL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WRANGELL	6.79	.13	.10		.38	.33	.36	.38	.13	.19		.33	.04	.14	.07	1.17	.40		.16	.27	.30	.09		1.76		.16				.01		
PACIFIC COAST																																
BEAR COVE	-		.09	T	.26	.49	.28		T	.09			1.28	-	-	-	-	-	-			.10	.09	.02			.07				
CORDOVA	30.10	.18	2.89	4.00	2.60	1.05	.16		T	1.80	.05	.05	1.60	.11	1.50	.38	T	T	.11	.95	.01	1.53	.50	2.69	6.17	2.27	.27	T			T	
CORDOVA WB AP	11.09	.29	1.18	1.18	.18	.27	.01	T	.29	.48	.01	.12	.76	.15	.67	.88	*	.29	.24	.13		.68	T	1.13	2.17	1.70	.03	T	T			
GIRDWOOD	2.91	.33	.61	.29	T	T	.12	T		.35	T	.03	.01	.05	.22	.87	*	*	.02			.29	T	.12	.22	.33					.02	
HOMER CAA	2.89		.02		.23	.95	.12		.05	T	T		.79	.04	.09	.01		.16	.02	T	T	.09		.12	.24	.08						
HOMER 5 NW	3.26		.03	.09	.36	.39	.29			.13	.01		1.01	.05	T	.07	.21	.11	.06		.01	.03		.14	.29	.07	T	.05				
INISKIN	16.48		.35	.06	.30	.68	.10			.44	.15	1.30	7.30	1.05	.22	.12				.80		1.63	1.40	.20	.79							
KAPLUK RIVER	2.60		.03	.14	.26	.19	.01		.06	.11		.11	.13	.31	.11	.04	.01		.08			.10	.11	.11	.11	.16	.11	.04		.01	.01	.06
KASILOF	2.52		.21	.04	.13	.24	.10		.02	.35		T	.64	T			.03		.02		T	T		.53	.21						
KENAI CAA	3.81		.30		.36	.16	.01		.08	.19		.12	.79	T	.04	T	T	T		T		.09	T	.03	.39						
KITOI BAY	5.95		.38	.14	.48	.15	.30		.04	.18	.04	.10	*	1.20	*	*		.36	.24	.33	.01	.62	*	.66	.14	.57	.02	T		.09		
KODIAK WAS	5.66		.11	T	.82	.09	T		T	.25	.01	.39	.03	1.19	.26		.01	.90	.09		.04	.89	.30	.57	.04	.61					T	
LARSEN BAY	-				.63			.14	.16			.20	.21	.22																		
LATOUCHE	19.97	.09	1.39	1.15	.95	1.41	.49			.64	.28	1.29	.76	1.95	1.31	.39	.24	1.27	.31	.16	.16	1.37	.10	.96	2.30	.63	.47					
MIDDLETON ISLAND CAA	4.66	T	.59	.69	.27	.18	.06			.91		.32	.05	.27	.46	T	T	.07	.34	T	T	.10	T	.11	.70	.04	T					
SEWARD	8.27	.02	.41	.22	.05	.19	.13	.04	T	.64	.03	.14	1.20	.58	.80	.14	.03	.24		T	.08	.51	.27	.47	1.11	.88	.09					
SHELIKOF WATER BAY	6.78	.05		.20	.23	.35			.14	.15		.11	.52	.82	.49	.09		.34	*			2.01	.02	1.46	.08							
STERLING	2.04	.08	.16	.04	.13	.33	.08	T		.30			.33								.06	.33		.02	.22	.26	T					
VALDEZ	6.82	.40	1.46	1.18	.13	.12	.15			.25	.15	.10	.32	T	.64	.07	.16				.21	.10	.10	.16	.75	.32	.41	T				
WHITTIER	21.96		1.32	2.00	1.90	1.32	.85	.11		.85	1.00	.95	1.30	1.98	1.01	.46	1.46		.12		.32	.35	2.00	.12	2.00	.87	.44					
YAKATAGA CAA	10.39	T	.28	.49	.68	1.16	.01	T	.05	.14	T		.07	.45	.85	.27				1.79		.57	.09	1.59	1.20	.23	.20	.02				
YAKUTAT WB AP	9.76	.85	T	.36	1.26	1.12	.24	.63	.28	.19			.10	.59	.98	.73	.11	T	.04	.26	T	.44	.12	.67	.58	.01	.08	T					
SOUTHWESTERN ISLANDS																																
ADAK	1.37	.61	.09	.04	.08	T	T	.07	.46	.11	T	T		T				T	T	.02	.16	.08	.06		T	T		.03		T	.02	T
CAPE SARICHEF LGT STA	4.91	.80	.30	.06	.15	T	T	T	.32	T	1.60		T	T						.02	.10	1.20	T		T		T			T	T
COLD BAY WB AP	5.39	1.99	.21	.16	.02	T	.07	.06	.05	.02	.03	T	.08	.09	.18	.40	.01	.34	.37	.04	.57	.35	.06	.13	.08			.01	T	T	.07	.07
ST GEORGE ISLAND	3.72	1.18	.04	.14	.12			.11	.04	.03	.11					.08				.04	.26	.56	.25	.10	.55							
ST PAUL ISLAND WB AP	5.62	1.27	.01	.48		T	.03	.20	.03	.05	.18	.15		T	T	.03	.03	T	.02	.17	.13	.31	.04	.17	.09	T			.11	.03	.11	
SHEMYA WAU	.39	.01	.01	T	T	T	T	T	.04	.04	T	T	T	T	.18	.13		.01						?	.02	.01	T		T	T		
SOUTHERN VALLEYS																																
ANCHORAGE WB AP	1.67	.21	.45	.04	.26	.20	.01	.05	.01	.23	-		.01	-		-								.22	.19	.13	T				T	
ANIAK CAA	1.00	.22	.03		.11	.16		T	.78	.02	.14	.36	.39	.03	.67	1.16	.36		T	.03		.15	.30	.02	.22	.72	T	.04	T		.48	.22
BETHEL WB AP	3.38	.40	.09	.03	.07	.35		.01	.36	T	.36	.16	.19	.21	.48		.23	T	.08	T	.27		.34	.01	T	.23	.11	T	T	T		.19	.04
BROOKS LAKE	5.01	T	.60	T	.16	.65	.05	.01	.03	.21	.03	.42	.32	.23	.02	.02	.02	.09	T	T		.01		.10	.48	.04	.04	.08	.09	.11		
CASWELL	-	0	4.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T	.19	T	.17	T								
CHITINA	1.19	.28	T	T	T	T	.43			T				T		T																
EKLUTNA LAKE	1.09	.34	.06	.05			.44																	.85				.08				
EKLUTNA PROJECT	1.66	.15	.23	.27	T	.01	.23	.15	.11	.66						.02	.03	.09													.09	
ELMENDORF AF BASE	2.18	.35	.63	.02	T	.23	.05	.01	.06	.27	.01		.12			T	.01	.02		.01		T		.03	.21	.06	.05	.02			T	
EUREKA LODGE	-	.07															.10	.06		.01	.25					.15						
FAREWELL CAA	4.39	.09	.29	.01	.08	.32	.53		.22	.32	T	T				.55	.01			.70	.01				.10	.08	.02	T	.01	T	T	.10
GULKANA CAA	1.07	.33	.01	.31	T	.05	.37							.36	.01	T	.33	.16	.09	.31		.06		.10		T						
KENAI	.22		.10																													
KOBUK	.02		.02			.02	.27	.14		.12	.30	T	.30	.24	.59	.03	.06	.02			.23			.14	.20	.16	.12	.10	T		.29	
KODIAK	.02		.20				.03	.07	T	T	.01	T	T	.02		.09	.01	.11	.13	.01		.24		.14	.01	.21	T				.16	
LAKE MINCHUMINA CAA	1.38	.08	.21				.03	.07	T	T	.01			.02		.09	.03	.06					T	T	.04							
NATANUSKA AGR EXP STA	1.14	.06	.27	.19			.03	.26	.11		.07			.83			.03	.06							.02	.04						
MC GRATH WB AP	3.73		.20		.03	.35			.25	.06	.01	.39	.06		.29	.07																
NYAC	5.22	.02	.36		.03	.03	.03	T	.15	.48	.09	.18	.98	.08	.56	T	.11	.04	.48	T		.01	.08	.03	.17	.11	.03		.18	.01	.09	.67
PALMER	.61	*	*	.61													1.08	.04	.33	.29	.01	.02	.27	T	.04	.17	.33		.18	.02	T	.20	
PALMER 1 N	1.32	.16	.17	.37			.20	.12		.09						.07		.10						T								
PALMER 4 SE	.78	.05	.15	.09	T		.01	.41	T	.01								.04			T				T							
PALMER 5 NW	1.59	.05	.44	.22	T	.03	.15	.14	.02	.08	T		.02		.01	.10		.10	T					.01	.09	.15	T				T	
PUNTILLA	-	-	-	-	-	-				.30		T		T	T		.05					T		.03	.02	T	.01			.03	.28	
SHEEP MOUNTAIN	2.13	.60		.25			.72														.07	.23										
SEWENTNA CAA	3.17	.07	.93	.07	.12	.16	.02	.01	.20	.44		.01	.43		.18			.01		T		.22	.02	.06	.21	.04					.05	
SLANA	3.89	.30	.15	.13	.08		.96	.12	.13						.51	.24	.17	.75	.18													
SLEETMUTE	6.96		.29			.28			.24	.24	T	1.18	.30	.30	.30	.28					.10	.04	.21	.02	T	.56	.24	.03	.03			.52	
TALKEETNA CAA AP	3.78	.39	.29	.29	T	.14	.07		.27	.40	T	.25	.39	.07	.05		.07	-		.07		.10	.04	.21	.02	T	.25	.23				.03	
TANACROSS	.22																									.22						
WASILLA 3 S	2.18	.37	.39	.23		.08	.18	.20		.33						.22																
BERING SEA																																
CAPE ROMANZOF	-	-	-	-	-	T	T	.34	.83	.24	.05	1.21	2.14	.72	T	T		T					.02	T	T		T		T	.10	.71	
DILLINGHAM	6.76				.17				.33		.67	.63	.44	.66		.35	.46	.24	.09	.02		.10	.05	.46	.12							
KING SALMON WB AP	3.38	.06	.39	T	.22	.11			.20	.01	.53	.25	.21	.09	.01	.04	.08		.05	.02		.31	.07	.18	.15	.16	.03	.14		.01	.06	
LAKE NERKA	5.39	T	.62		.24			*	*	.17	.53	.86	.44	.37	.16	T	.04	.05	.02			.65	.53	.03	.03					.01	.06	
MOSES POINT CAA	5.96	T			.04	.17		T	1.61	.12	.52	.71	.05	T		.02	.25	.04		.56	.01	.10	.07	T	T	T	T	.04	T	.11	1.59	.13	
ROME WB AP	4.66				T			T	.47	.08	1.18	1.05	.23	.03	T		T	T					.29	T		T	T	.16	.25	.11	.16	.10
NORTHEAST CAPE	13.66	T		T		T	T	T	.39	.40	.57	.83	.29	.14	T	T	T	.01	T	T	T	T	T	T	T	T	T	.09	1.05	T	2.10	1.06	4.60
NUNIVAK	2.30	.32	T		.03	.08	.11	.28	.24	.43	.10	.08	.24		T							T	.06	T				.08	T		.25		
PLATINUM	4.19	.29	.29	.01	.01			T	.14	.10	.40	.03	.44	.07	.33																	
PORT HEIDEN	.63	.02	.08	T	.06	T		T	.06	T	T	T	.04	T	.06	T	.03	.02	T	.09	.13	.20		T	.03	.16	T	T	T	T	T	T	
TELLER	2.61							T	.12		.18	.14	.28	.00							.03	.05										
UNALAKLEET CAA	6.65								.91	.04	.32	1.30	.44		.01		.29															
WALES AP	9.16			T	.02			.01	.31	.04	.21	2.83	.99	.03	T	.01	T	.04	.03	.04	.01	.03	.02	.02	.03	T	.18	.10		.21	.23	.39
YUKON VALLEY																																
ALLAKAKET	1.62	.13			.04	T	.03	.14		.19	.14	.13	.02			.04	.03			T	T		.01		.13	.13	.02	.05	T		.17	
BETTLES CAA AP	.61	.03		T	T	.03	.10	.02	T	.08	.01	T	T	T	T	T				T	T	T	T	.02	.01	.08	T	T		T	.03	
BIG DELTA CAA	.98	.07	T			.15	.03	.05			.02					.40	T	T	.04	T	T	T		T								
CIRCLE HOT SPRINGS	.70	T	.10	.10	.04	T	.20	.01	T	.08	T	T			T	T																
COLLEGE MAG OBS	1.34	.21	.08	.12	.03		.05	.38		T	.13						.04	.01	.09	.01									T	T	T	
EAGLE	1.16	.03	.25	.22		.04	.16			.05	.08						.06											.10	.16		.04	
EIELSON FIELD	.89	.18	.03	.02		.29	.03	.08	.02	T				T	T	.01	.01	.10	.01	.12												T
FAIRBANKS WB AP	.61	.16	.09	.07		.02	T	T	T	.24	T				.01	.01	T		.04	T				T	T			T	.05		.07	.01
FLAT	5.08		.10	.18		.40	.40		.09			.48	.30						.04	T		T			T	.02	T	.04	T		T	
FORT YUKON CAA	.93		T	.10	.03			T	T	.01						.01	.99	.12	.33				.22			.69	.28	.08	.03			.29	
GALENA	2.66			T	.01	.10				.29	.05	.49	.02		T	.24	T		.03	T	.39					.37	.10	T				
HALF WAY HOUSE	3.16	.39	.32	.63	.06	.07	.04	.01	.19	.12	.01	.31		.19	.37	.22	T	.12	.22	.19	.01	.05		T		.18			.24	T	.03		T	.01	.13	
HOLY CROSS	3.39	T	.08	.03	T	.09			.44	.10	.13	.24	.07	.34	.34	.36	.33	.05	.24	T		.05	.49	.29	.02	T							
HUGHES	2.73			.05	.05	.02		.62		.44	.10	.05			T										.03					.04	.21	
LADD AIR FORCE BASE	.34	.16	T	.02		.02	.05	.01	T	T	.03				T	.01				1.75	.18	T	.14		.03			T	T		T	T
MANLEY HOT SPRINGS	2.16	.16	T	.17			.13	.23		.26	.11	.18			T	.24				.27	T					T	.01	T	.04		T	T
MC KINLEY PARK	2.06	.75	.12	.08			.49	.01						.01	.04	.16		.02	.13		.07					?	.31		.06	.01	.03		.26	.18	
NORTHWAY VILLAGE	.06																										.06	.01				
NENANA CAA	1.04	.23	.02	.16		.24	.07		.01	.02	.02			T	.11	.01			.03	T		T		.02	T	.02	.15	.03	.02				.37	
NORTHWAY CAA AP	2.96	.05	.37	T		T	.33	T		.08	T			.34	T	.33	.20		.18													
SUMMIT CAA	2.66	.90	.39	.23	T	T	.09		T	.03	.01	.01	.08	.31	T	.22	1.26	.31	.18	T	T	.33	T	.32	.01	.03	T			T	.10	
TANACROSS	1.36	.23												.05	T			.14	.13												.03	.03
TANANA CAA	1.66	.01		T	T	T	.19	.04	.09	.10	.22	.02	T	.01		.07	T	T	T	.01		T		T		.44	.03	.01			.02	.16	
TOK	3.76		.10				.30	1.40	T						.86			.43	.30	.09												
TOLOVANA CAMP	1.79	.76	.27	1.47	.01	.01	.17	.70		.17	.07	.24	T	.03	.10	*	.25	*		.02		.01		.02		.15	.03						
UNIVERSITY EXP STA	.46																															
WILD LAKE	2.66	1.12	.08	.03	.10	.11	T	.19	.21	.06	.04	.08	T	T	T	.01	T		T	T	.06	.02	.03		.05	.09	.08	.03	.05	.01	.06	.13
ARCTIC DRAINAGE																																
ANAKTUVUK PASS	1.05	.06	T		.06		T	.06	T	T	.18	T								.06			.06		.14	.18	.20	.12			.09	
BARROW WB AP	.73			T	T	.03	.20	T	T	.05	.18	T	T				T	.02	T	T	T	T	T	.17	T	T	.02	.06	.03	.06	T	.09	T
BARTER ISLAND WB AP	.18				T			T	T	.12				T	T	T	.02			T		T	T	T	T							
CAPE LISBURNE	3.66		.81		.14	.04	.08		.28	.03	.66	*	.50	.42	.04	.02	.02	.01		T	.02	.06	T	.10	.03	T	.38	.39	.18	.44	.08	.04
KOTZEBUE WB AP	1.16	T	T	T	T		T		.36	.03	.60	.71	.18	.01			.01			T	T	T	T			T	.75	.16	T	.20	.04	.24
WAINWRIGHT	.68							.09	T	.04		.03				T	T			T	.09	.03		.01		.18	.03	T		.09	.15	.25

Susitna R. @ Gold Cr.

Aug-3- 1958 47,800 c.f.s. peak

15-12-390

DAILY PRECIPITATION

CONTINUED

ALASKA
JULY 1958

Station	Total	Day of month																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
PETERSBURG	4.29										.12	.23	.29						.10	.24	1.27	.39	.22	.10	.04	.08	.13			.25	.63	.32
POINT RETREAT LIGHT STA	5.79										.12	.86			.01				.53	.70	1.21	.68	.05	.42		.14				.63	.89	.31
PORT ALEXANDER	11.68										.12	.89							.90	1.61	5.83	.58	.13	.32	.10	.20	.25			.88	.12	.89
SITKA CAA	8.10	T									.42	.38	.46		T	T		.10	.68	.73	.67	1.65	T	.21	T	T	.32			.30	1.62	.42
SITKA MAGNETIC	7.48	T									T	.35	.32	.18	T	.82		T	.60	.36	1.06	.78	.66	.02	.19	T	.09	.38	T	.02	1.09	1.05
SEAGRAY																																
WRANGELL	3.93											.27	.86						.39	.34		1.66	.40	.37	.04		.13			.28	.63	
PACIFIC COAST																																
BEAR COVE	1.46					.09				.02		.81	.05			.07	.33	.44	.13	.83	.03		.38				.13	.13	.03	.03	.05	.02
CAPE HINCHINBROOK	26.82	1.28				.78		.01		1.23	1.61	.89	.13	1.32		.04	3.27	2.17	.51	1.50	.24	.09	.30	1.12	.29	.05	1.42	5.28	1.32	.32	.21	
CAPE ST ELIAS	25.88	.29				.23	.10	.18		1.05	1.44		.61	1.83	.29	.05	4.16	3.77	.77	1.70	.86		.10	.72	.38		2.03	2.81	1.71	T	.57	
CORDOVA	43.98					.83	.83			.45	2.00	.37	T	1.26	.13	.05	8.90	3.40	3.41	1.69	2.20	T	1.13	1.48	2.00	.03	1.85	9.05	5.40	.03	.23	
CORDOVA WB AP	16.36	.83			T	.88	T	.08	.31	.54	.49	.01	T	.75	.07	.38	3.48	.97	.76	.12	.12	T	.49	.32	.38		.78	4.62	1.36	.04	.06	.34
GIRDWOOD	3.63					T			.89	.21	.62		T	.17			.96	.32	.21	.17		.01	.04	.12	.37		.18	.30	.12			
HOMER CAA	2.48				.01	.16				T	.01		.12				.90	.47	.04	.01			T	.31			.13	.13		.01	T	.08
HOMER 9 NW	4.11	.01			.01	.17		T		.17	.01		.13	T		.01	1.44	.94	.14	.36	T	T	.03	.23	T		.54	.11	.03	T		.08
INISKIN	10.19	.38			.25	.78	.03	.46	.30	.46	.46	.38	.36	.48		.25	.30	1.10	.13	.53			.58	.70	T		.10	1.26	.23			
KARLUK RIVER	2.42	.11		T	.28	.03	.03	.11	.04	.04	.07	T	.21	.01			.85		.30	.11	.14		.07	.03			.02	.11	.03	.31		.04
KASILOF	3.68				.14	.04		T	T	.09	.38	.03		.01			.68	.47	.29	.12		T	T	.11	.03		.39	.60	T	.26	.06	
KENAI CAA	5.02				.05	.07			.86	.16	.38	T		T		.03	1.14	1.01	.31	.29	.02	.03	.13	.12	.24		.36	.26	.04	.04	.06	.03
KETOI BAY	8.69		.04	.30	1.67	.21	.30	.07	.31	.80	.30	.02	.31	•	•	•	.88	.41	.40	.32	.23		.18	.33	T	T	.39	.26	.14	.12	.63	.18
KODIAK NAS	6.19	.40	.23	.83	1.56	.28	.12	.06	.16	.61	.17	.86	.54			.43	.53	.27	.19	.35	.03		.20	.22		.33	.39	.10	.01	.22	.31	.03
LARSEN BAY	1.99	.12		.12				.28			.01						.52	.46	.18								.38					
LATOUCHE	18.67	.06				.39		.09	.01	.45	.29	.09	.13	.93	.01	.07	9.16	.89	.23	.99	.60		.62	1.25	.53	.02	1.58	4.00	.19			
MIDDLETON ISLAND CAA	4.92	T		T		.86		T	T	.47	.02		.08	.13	T	.16	2.16	.49	.25	T	.05		.20	.36			.76	1.80	.05	T	T	
SEWARD	10.28					.72		T	.08	.19	.18	.81	.34	.34		.03	2.08	.33	.33	.38			.29	1.15	.40		.62	2.91	.32			T
SHEEPWATER BAY	9.98	.71	.06	.36	1.83	.76	.44	.33	.09	.73			.69	.66		.19	.85	.16	.37	.14	.06		.61	.69		.37	.94	.21		.39		.10
STERLING	3.73				.08	.86				.14	.37	.01	.23				.92	.36	.18	.29	T	T	.08	.09	.16		.29	.07	T	.19	T	.11
UGANIK BAY	3.76	.35			.13	T				.23	.28		.31			.86	.65	.30	.07	.10		.12		.15		.37	.02	.04	.31	.09	.14	
VALDEZ	11.51					T				.10	.80	.10		.62	.38		2.00	.83	.62	.49	.18		.27	.39	.28		.10	2.34	1.66	.32	T	.13
WHITTIER	23.27					.44	.30		.17	.28	1.35	1.14		.83	.61		1.33	1.10	1.05	1.33	.62		1.05	1.05	2.04	1.05		2.05	2.35	.28		
YAKATAGA CAA	15.73				T	T				.18	.33	.09	.01	.62	.29	.62	2.02	2.08	.64	.48	1.39		.50	.29	T		.35	.99	3.06	1.17	.29	.08
YAKUTAT WB AP	10.48							T			.46	.44		.04	.32	.07	.08	1.86	.18	1.61	.89	.24	.34	.56	T		.43	.44	1.27	.82	.38	.09
SOUTHWESTERN ISLANDS																																
ADAK	3.37	T	.14	T	.09	.25	.04	.02	.08		.34	.05	T	T	T		.28	1.02	.14	.36	.35	T	.07	.12			T	.01	.11	T	T	T
CAPE SARICHEF LGT STA	4.33	.18	.08	.20		.13	T	.15	.25	.34	T	.10	.30	T	T	T	T	T	.33	T		.30	T	T		T	T		.75	.30	T
COLD BAY WB AP	3.07	.11	.01	T	T	.10	.32	.07	.03	.22	.01	.16	.13	.04		T	T	T	.14	.39	.03	.13	.28	.01	T	.13	.09	.02	.24	.09	.11	.13
ST GEORGE ISLAND	1.12		.18	.18	.35	.12								.12					.03						.09		.13				
ST PAUL ISLAND WB AP	2.08		1.01	.06	.39	T	.04	.05	.05	T			T	T	T	T		T	T	.03	T	T		.02	T	T	.16	.15	T	.12	T	T
SOUTHERN VALLEYS																																
ANCHORAGE WB AP	4.44					.81		T	.01	.32	.29		T	.05		.02	1.33	.31	.39	.24	T	T	.39	.16	.09		.38	.67	T	T	.02	.02
ANCHORAGE 6 ESE	4.48	T			T			T	.02	.19	.22		.03	.13			1.05	.53	•	•	.22		.02	.03	.31	T	.24	1.12	.02	.12	.01	.04
AMIAK CAA	2.19	T			.03	.26		.06	T	.11	.07	T	.19	.40	.28	.10	.01	.39	.08			T	.20	.31	.31		.10	.11	.09	.35	T	
BETHEL WB AP	2.28				.09	.30	T	.28	.04	.04	T			.22	.39	.01	T		.21	T	.04	.01	T	.31			.32	.07	.38	.02	.03	T
SPOOKS LAKE	1.48	T	T				T	.04	T	T	.01	T	.09	.09	T	.02	T	.01	T	T	T	.13	.25	•	.01	.12	.03		.13	.03	.04	
CASWELL	•					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•		•	•	•		•	•	
CHITINA	1.01								.08					.06			T			T	.10		T				T	.35	.05	T	.47	.26	
EKLUTNA LAKE	1.00										.17						.72													.25	.25	
EKLUTNA PROJECT	2.16					T			.08	.11	.04			.22	T		.48	.16	.22	T	.31	.18	.08	.01	.02		.08	.37	.04	.04	T	.12
ELMENDORF AF BASE	4.46					.86		T	.02	.23	.33	T	T	.06		.05	1.42	.35	.08	.26	T	T	.03	.17	.28		.58	1.42	.02	.19	.21	.03
EUREKA LODGE	1.33									.01											.32						.20	.29		.31		.26
FAIRWELL CAA	2.79	.33	T						T	.02	.03	.01		.31	T	.11	T	.10	.02	.09	.35	.06	.03	T	.38	.10	T	.02	.21	.87	.12	
GULKANA CAA	1.75									.32	.05	.06		T	T	.33	.22	.04	T	.35	.57		.37				T	.02	.02	.16	.11	
ILIAMNA CAA	2.46	.09			.13	.32	.06	.06	T	.28	.46	.21	.12	.13	T		T	.25	.02	.27	.05	T	T	.37	T		.12	.19	.25		.04	T	
KOKHANOK BAY	2.34	.10			.08	.31	T	T		.33		.49	.12	.04			.07	T		.12		.04	.04	.07			.35	.15	.13	.05	.19	T
LAKE HINCHINBROOK CAA	2.28	T	T	T		T		.21	.17	T	.53			T	.01	.02	T	.13	.01	T	.39	.03	T	.34	.18	.01	T	T	.35	.12	.28	.04	
MATANUSKA AGR EXP STA	1.93								.08	.06	.27			.08			.59	.17	.22				.37				.02	.15	.09	.06	.32	.15
MC GRATH WB AP	2.48	.07		T		.65		.02	.06	.10	.11	.96	.02	.07	.13	T	.31	.16	.15			T	T			T	.22	.04	.01			
NYAC	3.08	.02								.03	.03	.05	.01	T	.36	.07	.11	T	.24	.35	.43		.39	.31	.08		.17	.01	.38	.15	.10	
PALMER	1.44					T			T	.10	.10			.22			.49	T	.31	.02							.14			.25	.25	
PALMER 1 N	1.92								.08	.04	.18			.31			.40	.20			.02		.09				.21				
PALMER 6 SE	1.39								.03	.05	.09	T		.02	.09		.22	.37	.08			.23	T		.03		.21	.05	.34		.28
PALMER 9 NW	2.62								.04	.09	.18			.27			.49	.19	.02	.02	.09	.11	.31	T	.09		.02	.47	.04	.33	.09	.22
QUINTILLA																	-	-	-	-	-		-	-		.02	-	-		-	-	
SHEEP MOUNTAIN	1.77																.25				.10							.50		T	.44	.46
SKWENTNA CAA	5.84					.07		T	T	.10	.26	.02	.03	.34	T	T	.76	.19	.44	.09	T		.26	.41	.03		.42	.77	.61	.05	.01	T
SLANA	3.37													.03			.71	.02	.10			.38						.20	.17	1.61	.35	
SLEETMUTE	4.33	.20				.22			.33		.08	.18	.32	.12	.40	.33	.02	.02	.10	.24			.28	1.25	.03	T	T	.44		.13		
SPARREVOHN	3.67	.03				.06		.02	.18	.15	.91	.33	.02	.03	.03	.09	.28	.09	.03	.26	T	.05	.06	.08	.07	.03	.04	.37	.10	.02	.02	•
TALKEETNA CAA AP	3.84					.81				.07	.03	.32	T	.09	T	.01	.77	.84	.25	.07	.05	T	.18	.32			.12	.19	.13	.12	.14	.04	
TANALIAN POINT	2.42				T					.03		T	.39	T			T		.12		.05	T					T	1.02	.33	.02	T	.27
WASILLA 3 S	1.98										•	•	•	•	•	•	.71	.34	.22							.02	.09		.32	.02	.02	T	
BERING SEA																																
CAPE NEWENHAM	4.68	.05				.08	.29	.97	.39	.34	.01	.02	.83	.32	.22	.06	T			T	.18		.50			.03	.39	.35	.01	T	T	
CAPE ROMANZOF	1.66	T		T	T	T	T	T	.37	T			.66	.10	.12	T	T	.02		T	T				.03	T	.19	.07		T	T	
DILLINGHAM	5.13				.46	.57	.07	.34	.51	.48			.23	.46	.29	.83			.24	.14			.25	.23			.22	.29			.21	
KING SALMON WB AP	1.90	T	T		.02	.07	.16	.24	.05	T	.03		.10	.07			T	.12	T	.02		T	.33	.32		T	.07	.07	T	.09	.16	
LAKE NERKA	9.95	.35			.39	.96	.71	2.21	.86	.15	.17	T	.28	.42	.09	.13			.02	.09	.01		.48	.27			.06	.56	.08	.48	T	.15
MOSES POINT CAA	1.72			.08	T	.09		.15	.16		.20	.08	T	.17	.75	.04	T					T	T				T			T		
NOME WB AP	1.38		T	T	T	.22		T	.27	.02	.07	.04	.03	.08	.44	T	.36						T	T		T	.15	T	T	T	T	
NORTHEAST CAPE	.04			T	.02	.04		T	T		T		T	T		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	
NUNIVAK	2.29	.01	.01	.29	.01	.04	.45	.32	.04	.03			.22	.17	.10	.23	.05			T	.01							.03			.10	
PILOT MUD	2.07	.11	.01		T	.07	.19	.42	.16	.23	.04	T	.22	.21	.01	.06				.01			.20	.01			.09	.09	.02	.01	.01	
PORT HEIDER	-							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.36	.08		.06	.03		T	T	T	
TELLER	.07								T	T					.01											.02		.04				
UNALAKLEET CAA	2.11					T		.38	.20	.07	.17	.07	T	.16	.13	.06			.03		.06	T				.02		T	T	.39	.08	.35
WALES AP	.62		T	.10	.01	.06	.26		.31	T	.02			.06								T			T	.02			T		
YUKON VALLEY																																
ALLAKAKET	4.14						.24	.46	.48						.46			T	T	T	.42	.33	.14	.18	1.36	.10	T			.08		.21
BETTLES CAA AP	1.39						.63	.02	.81	T	.01	T		T	.10		T	T	T	T	T	.02	.23	T	T				T	T	.02	.21	.11
BIG DELTA CAA	1.07					T				T	T				.01	T	T					T	T							.07	.17
CIRCLE HOT SPRINGS	4.38	.01	T			.33	.22	.01	.02	.48	.31	.04	T	T	.01	T	T		.32	.24	.04	.34	.13	T	.29	.31			T	.29	1.99	T
COLLEGE MAG OBS	1.01						.01	.13			.05	.25	T						.09	.03			.34	.23		.08			.13		.79
EAGLE	2.99	T			T		.02	.01	.05	.15	.15	.33				.04	T	T	.30	.09		T	.12	1.13	.18		T			.08	.36
EIELSON FIELD	1.43		T			.32	T	T	T	T	T		T	T	T	.01	T	T	T			T	.27		T	.01	T	.13	1.12	.47	
FAIRBANKS WB AP	1.62		T			T	T			T	.09			T	T	T	.03	T	.01			.24	T	.35		.03	T	T	.05	.62		
FLAT	2.89	.30				.83			.05	.03	.01	.05	.12	.18	.19	.09	.03	.02	.04		.06		.08	.40	.35			.06	.24	.38	.19	
FORT YUKON CAA	.87								T		T	.38			T			T	T	T				.20					.25	.24		
GALENA	3.35	.01					.19	T	.14	T	T	.23		.31	.39	.09	T		T	.12	.29	.14	T	.34	.44	1.03	.08	T	.10	.21	.31	
HOLY CROSS	2.16					.11		.08	T	.04	.16	T	.24	.02	.11	.21	T	.05	.25	.77	.15		.17	.12	.08	T	.04	.37	.24	T	.27	
HUGHES	4.69					.10					.25						T	T	.09					.27	.17	T			.28	1.24	T	
LAKE AIR FORCE BASE	2.50		T			.34	T				.11								.07	.33	.06	.17	T	.23	.17	.04			.24		.17	
MANLEY HOT SPRINGS	1.98		•			T					.07					.46										.01					
MC KINLEY PARK	1.21										.07					.03	.03	.01			.08	.06							.11	.39	.12	.35
MOUNTAIN VILLAGE	1.77	.06				.23			.30	.08	.09	T	.04	.29	.04	.16	.11								.15			.10	T		.21	.34
NENANA CAA	1.26		T						T		.03				T	.01	.07	.10	.03			T	.02	.03	T	.15	T		T	T	.62	.19
NORTHWAY CAA AP	1.69	T				.06	.31				.26	.06					.04	.02	T	.04	.33	T	T	.01	T					.70	.31	.23
SUMMIT CAA	2.69		T					T		T	.15		T	.19	.12	T	.40	.29	.14	T	T	.06	.22	.21	T	T	.01	.27	.27	.23	.21	.16
TANACROSS	2.42												T	T	T		T	T				.69	.15	T					.26	.23	.34	
TANANA CAA	2.36					T		.20	.23	.39	.14			T	.19		T	T	.10	.06	.03			.28	.03	T		T	.32	.14		.25
TOK	-																-	-	-			.38		.33	T	.25		.08	.04	T	.45	
TOLOVANA CAMP	4.39							.04			.37	.13			.21		.17	1.40	.44	.26	.07	.03		.33	T				.41	.31	.32	.20
UNIVERSITY EXP STA	2.23					T	.08	.03			.02	.04			.03		.03	.07	.03			.16		.26		.28	.05	T		.13	.39	.18
WILD LAKE	2.08			T		T	.13	.33	.16	.06	.14				.01	.07				.16	.01	.02	.02	.40	.03					.39	.04	.03	.05
ARCTIC DRAINAGE																																
ANAKTUVUK PASS	1.22										.11	.03	.18	T	.02	T			.23	T	.17	.09	T	.23	.19	.04	.03			.06	.04	
BARROW WB AP	.98	T			.38	.02	T												.01	T	.01	T	T	T			T	T	T	T	T	T
BARTER ISLAND WB AP	.13	T	.02	T	T	•	•	T	T						.13					T	T	T	T			T	T	T	•	T	T	
CAPE LISBURNE	.46		T	T	.19	.02	T							T	T	T													.01	T	.12	
KOTZEBUE WB AP	.56				•		.16			.11	.02	.07	.09	T		.39							.02	.01								

15-12-391

DAILY PRECIPITATION

A-45E6
AUGUST 1959

Station	Total	Day of month																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
SOUTHEASTERN																																
ANGOON	3.00	.05	.83	T	.83	.09	.29	.12	.66	.04				.31	.12	.10	.26			.28	T	T	.37		.39	.24	.01			.41	.37	.34
ANNETTE WB AP	10.57	T	.47	.80	T	.34	.10	.28						3.13	.50	1.04	.77			T	.04	.01	.68	T	.11	.27	T			.23	.44	.10
ANNEX CREEK	13.81	.48	.28	T	.77	.44	3.02	1.50	.66	.35		T		.91	1.88	.63	T	.04		.34	.23	.26	.33		.24	.38				1.35	.59	.40
BEAVER FALLS	6.39		.15	.95		.19	.07	.29						.48	.59	.60	1.10				.09		.42	.16	.16	.28				.98	.27	.25
CAPE DECISION	5.74	.08	.44	.10		1.05	.83	.25	.88					.77	.17	.42	.05			.08	.21	.07	.57	.03		.26				.84	.21	.05
CAPE SPENCER	6.35	.15	T	T	.08	.03	.37	.53	.37	.31			T	.37	.16	.47	.09		T	.22	.87	T	.34		.28	.39		T		.11	.16	.04
ELDRED ROCK	3.27				.10	.33	.61	.22	.33					.39	.10	.18							.11							.53		.19
FIVE FINGER LGT STA	6.99	.19	.84		.13	.55	.46	.15	.13					.46	.24	.25	.50			.84			.26	.84	.29	.73				.37	.16	.13
GUARD ISLAND	6.16		.31	.30		.67	.05							.45	.15	.63	.07					.27	.33		.19	.37				.66	.09	.11
GUSTAVUS FAA	4.99	.02			.87	.20	1.07	.47	.69					.75	.15	.11				.85	.16	.29	.11	.01	.20	.24			.21	.16	.11	.10
HAINES TERMINAL	1.59	.04		.01	.09	.11	.33	.02	.04					.84	.31	.09	T	T	T			.01	.03		.21	.18				.12	T	.10
HOLLIS	3.91	.27	.35	.28	.21	.24	.20	.01	T					.57	.11	.37	.35			T	.21	.01	.33	T	.21	.27	T			.74	.28	.01
JUNEAU	9.54	.41	.02		.29	.29	1.96	.61	.48	.29				.58	.67	.25	.01			.67	.07	.31	.12		.26	.42				1.36	.37	.58
JUNEAU WB AP	5.39	.03	T	.12	.34	.15	.72	.45	.29	.11				.98	.84	.13	T			.01	.20	.16	.84	T	.26	.14			.12	.67	.88	.49
KETCHIKAN	11.47	.05	.23	.92	T	.44	.10	.27	T	T				.72	2.80	1.75	1.34	.82		T	.11	T	.55	.16	.22	.44	.38			.95	.52	.01
LINCOLN ROCK LIGHT STA	7.01		.37	.10		.13	.10	.06	.02	.82				1.66	.31	.75	.27			.11	.28	.52	.44	.01	.27	1.18	.84			.37	.22	.10
LITTLE PORT WALTER	14.31	.04	.60	.27	.01	2.79	3.76	.13	.68	.01				3.16	1.21	1.63	.18			.01		.01	.95		.40					1.65	.36	.50
PETERSBURG	8.76	.34	.28	.04	.05	.63	2.03	.39	.31	.09				.67	.63	.46	.22			.09	.21	.37	.39	.32	.15	.33	.37			.67	.35	.27
POINT RETREAT LIGHT STA	8.76				.20	.50	1.99	.46	.29					.70	.62	.18				.36	.83				.29					2.90	.39	.23
PORT ALEXANDER	10.72	.17	.34	.18		1.16	.67	.08	.04					2.80	.92	.98				.42		T	.98	.11		T				.22	1.69	.35
SITKA FAA	10.81	.11	.21		.12	1.51	1.99	.32	.37	T			T	.40	.31	.06	T			.22	.21	.49	.73		.41	.37			.23	.88	.67	.46
SITKA MAGNETIC	9.49	.16	.09	.12	.08	.09	2.27	.77	.62	.19				.04	.40	.12	.02			.08	.43	.13	1.06	.05	.11	.88	.34			.55	.71	.52
SKAGWAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TREE POINT LIGHT STA	6.38		.15	1.19		.88	.09	.06						.38	.68	.69	.77			.06		.41	.84	.20	.23	.18	.32	.64		.48	.17	
WRANGELL	7.89	.10	.36	.03	.04	.20	.39	.23	.17	.04	T			.93	.44	.33	.27	T	T	.05	.03	.08	.02	.06	.19	.74	.84	T		.44	1.26	.31
SOUTH COAST																																
CAPE HINCHINBROOK	6.99				.14	.20		.19					.30	1.55	.15	.81				.12	.59		.68	.83	.89	.33	.04		.14	.22	.82		1.43
COPPER LAKE PROJECT	1.40				.26	.16	.04				.82			T						T	T		.03	.15	*	.22	.29	T	.04	.01	T	.03	.22
CORDOVA WB AP	6.36	.02		.81	.44	.29		.01		T	T	.01	.01	.01	.02	.03		T		.34	.25	.90	.07	.02	.93	.28			.22	.10	.31		2.29
EARLUK RIVER	1.61	.35	T			T									T	T		.03		.14	.09	.03		.02	.13	T		.02	.02	T	.03	.19	.36
EGGIK MAS	3.27	.46	.18		.37	.15				T		.23	1.30	.16	T	T							T		T					T	.66	.60
LATOUCHE	6.95				.03	.83							.24	1.36	.09	T				.17	*		*	*	*	.88		.04	.14	T		2.00
LAZY BAY	2.66	.28	.18										.31	.27	.04			.08		.10	.19		.19	.02	.10	.28	.10	.08	.02				.78
SEWARD	1.83	.23			.29	.09	T						.04	.23						.07	T		.24	.03	.11	.08	T		.21	T	T	T	.39
SHEAFWATER BAY	5.98	.85	.23		.45	.64						.44	2.60	.15	.82			.02	.02				.02	.07	.31						.83	.02
VALDEZ	3.62				.31	.26		.38										T	.67	.38	T		.10	.32	.16	*		T	T	.09		1.03
WHITTIER	8.27			.29	.98								.95	.97	.86				.49	.64			1.35	.60	.18		.83	.34			.85	2.17
YAKATAGA FAA	2.90				.43	.13	.01	.81					T	.29	.81				.86	.15	.24	.28	.04	.13	.49	T			.04	.02	T	1.00
YAKUTAT WB AP	7.68	T			.16	T	.98	1.62		T			.19	.58	.81	T		T	.10	.28	.04	.23	.13	.24	.21	.03			.48	.32	.12	1.79
SOUTHWESTERN ISLANDS																																
ADAK	4.44		.06	T	.01	T	.13	.04	.94	.09	.29	.81		T	T	.14	.18	.12	.04	T	.05	.19	1.09	.33	.18	.05	T		T	.38	.32	.02
CAPE SARICHEF LGT STA	1.32	.38	.02	T	T	T	T	T	.82		T	.37	.17	.83	.22	.82	.19	.36	.03	T	T		.39	.22	*	T	T	T	T	T	T	.40	.02
COLD BAY WB AP	2.25	.38	.04	.02	T	T	T	T	.01		T		.23										1.65	1.65	.89							
ST GEORGE ISLAND	4.24												.29																			
ST PAUL ISLAND WB AP	5.10	.07	T	T	T	.13	.01		T		T		.12	.01	.02	.01	.08	.03	.11	.06	.31	.01	.96	.38	.90	1.19	.07	T	T	T	.03	T	
SHEMYA RBU	2.79	T	T	.01	.08	.06	.07	.03	.01	.03	.07	T	.12	.04	T	.02		T		.34	.12	.42	.42	.33	.39	.01	.03	T				.03
COPPER RIVER																																
CHITINA	.52				T											T								.35					.17		T
EKLUTNA LAKE	2.70		.05	.10		.05										.05					.20			*	1.19			.25	.35		.30
SUMMIT	3.38	.01			.50	.25	.01	.34								.26	.08			T	.49	.05	.10	.26	.47	.10			.20	.34	.10	
GULKANA FAA	1.57			T	.25	T	.15			T					T				T	.37	.14		T	.10	.12	.03			.19	.02	.01	.15
[illegible] MOUNTAIN	.75			.22	.44	.06										.03				.16	.53	.23	.48		.03	.42			.21	.31		.27
SLANA	4.60					1.13																										
COOK INLET																																
ANCHORAGE WB AP	3.11	.06		T	.23	T				T			T	.01	.17	T		T	.04	.23	.32	.25	.11	.04	.37	T		.24	T	.29	.37	.90
[illegible]	.72	.03															.03															
BEAR COVE	-	.02			-	-	-	-	-	-	-	-	-	-	-	-							.10	.13	.32	.11	.03			.23		.76
EKLUTNA PROJECT	4.64		.04	.16	.17	.34	.81	.28								.18				.01	.15	.26	.03	.83	.76	.90	.28		.07	.53	.64	.04	.22
ELMENDORF AF BASE	3.20	T		.25	.01	T	T			T			T	T	.29	.06		T		.06	.22	.07	.13	.15	.80	.12	.01		.14	.06	.01	.22	.88
GIRDWOOD	4.58			.14	.34	.02		.01		.28			T	.07						.25	.04	.04	.16	.02	1.53	.66	.08		.12	.12	.19	.01	.72
HOMER FAA	1.64	.03		T	T								.02	T		T				.33	T		.14	.09	.17	T	T	T	T			.45	.71
HOMER 5 NW	1.99	.07		T	T								.02	.06		.01				.15	.01		.16	.09	.07	.07	.03		.10			.01	1.06
INISKIN	6.28	.14	.09										.49	.14	.18	.24				.73	.12		.40	.13	.67	.05	.04	.09				.09	.76
KASILOF	2.70	.66	.02			.88						T		.31	.82					.36			.18	.13	T				.13		T	1.13
KENAI FAA	3.83	.16	.12	.03	.87								.68	.09	.82	T				.94		T	.28	.13	.30	T		T	.17		.20	1.66
MATANUSKA AGR EXP STA	6.07	.04	.04	.13		.19	.04	.10							.09					.23	.18	.32	T		1.10	2.25	.34			.04	.30	.68	.04	.18
NIKILCHIK	2.92	.24	.03	.07										.18						.76	T		.36	T		.26			.08			1.29
PALMER	7.83			.21	.28	.13	.05	.83							.17	.17				T	.22	.61	.10	T	9	2.67	.85			.35	.47	.88	.04	.19
PALMER 1 N	8.66		.20	.02	.23	.33	.48								.12					.04	.24	.32		.16	1.27	2.52	.46			.35	.91	.82		.17
PALMER 4 SE	4.29			.08	.18	.07		.15								.07	T				.07	.35	T	.11	.34	.43	1.11			.31	.23	.95	.11	.03
PALMER 9 NW	11.42	.02	.01	.18	.22		.62	.30						.02	.82	.03				.25		.63	.01	.17	1.65	5.38	.22			.25	.38	.95	.82	.34
PURTILLA	2.38	.03							.08	.03										.65	.17	.06		.04	.32	.19		.03	.19	.01	.04	T	.72
STERLING	2.65	.32	T		T								T	.14				.17						.21	.24							1.57
TALKEETNA FAA AP	6.27			T	T		T			T			T	.31	T	T				.34	T		.24	.07	.47	.77	.33	T		.24	.03	.13	.01	1.79
[illegible]	.91	.02			.04	.02								.03																		
WASILLA 3 S	5.93	.11		.08	.04	.02	.24	.04								.07	T			.28			.21	.24	.08	1.59	1.47	.30		.08	.14	.16	.04	.52
BRISTOL BAY																																
ALEKNAGIK	3.73	.02								T		.02	.41	.25	.83					.83	T	T	.29	.18	.45	.61	.99	.33	T	T		.24	
BROOKS LAKE	5.28			T	.81	T			T	.81				.81			.03	T		.82	.13	.06	.32	.28	.43		2.98	.59	.31	.07	.13	T	.26
CAPE NEWENHAM	9.63	.49						T		T		.04	.04	.81	T	T	T	.09		.24	T	.93	.16	1.43	3.13	1.94	1.41	.12	.82	T	T	.53	.07
DILLINGHAM	3.49	.26							.23			.19	.18							.32	.28			.32	.70	.53						.39	.35
ILIAMNA FAA	7.13	T				T		T					T	T	.82	T		T		.40	.38	.67	.72	.78	1.91	.84	.70	.68	.08	T	T	.16	.42
KING SALMON WB AP	2.12	T			T		T	T	T			T	.23	.81	T	.02		T		.43	.01	.05	.07	.29	.19	.25	.14	.06	T	.15		.23	.06
PORT HEIDEN	.33	.07	.02	T	T	T	.02	.01				T	.02			T	T				.03	T		.11						.05	T	T	
SLEETMUTE	3.46																			.18	.71	.10	.23	.17	.13	.28	.36	.20	.04	.15	.33	.27	.32
SPARREVOHN	7.18	.07							T				T	T	T	.83				.85	.43	.10	.10	1.01	2.16	1.03	.09	.39	.04	.37	.39	.61	.52
WEST CENTRAL																																
ANIAK FAA	3.96												T		T	T	T	T	T	.28	.41	T	.28	.48	.32	.35	.31	.32	.01	.34	.31	.29	.60
BETHEL WB AP	4.96	.06											T		T	T	T	T	.02	.22	.23	.02	.23	.32	.63	.85	.63	.22	.05	.18	T	.60	T
CAPE ROMANZOF	4.65							T	T		.02			T		T	T	T	.29	.81	T	.10	.48	.89	.39	T	T	.85	.29	.18	T	.52	1.04
FLAT	4.13																				.40	.25	.02	.10	.08	.18	.45	1.32	.40	.60		.05	.18
HOLY CROSS	6.54																			.55	.59		.11	.35	.83	.76	.18	.67	.12	.40	.11	.19	.31
MOSES POINT FAA	3.75	T					T	T	T									.03	T	.24	.28		T	.96				1.22	.34	.45	T	.09	.14
MOUNTAIN VILLAGE	3.86		.34																.37	.48	.19	.01	.26	.54	.37	.15		.32	.06	.37	.37	.28
NOME WB AP	1.76	T					T	.82	T	T						T	T			.16	.10	T	.02	.82	T			.38	.20	.03	T	.03	
NORTHEAST CAPE	.39	T								T					T	T		T	.03	T		.01	.05	.03		.03	T	.09	T	T	.08	T	
NUNIVAK	1.48	T	.28													T		T		.28	T	T	.15	.21	T	.12	.03	.17	T	.08	.05	.39
NYAC	7.51	.01																T		.53	.40	.33	.19	.35	.42	1.43	.28	1.52	.31	.42	.43	.28	.03
PLATINUM	10.39												.59					.03	.10	.24	.28	.29	.10	.45	2.57	2.51	2.39		T	.41	.25	.47	
TELLER	1.47	.12					T	.06		.04	T									.29	.16	.06	.28	.50				.03	.35	.13	.09	.13	T
UNALAKLEET FAA	3.89	.06						T	.02									.03	.07	.08	.23	.07	T	.32	.73				.86	.16	.19	.22	
WALES AP	1.12	.03					.04	.02	.01	.01	.01			T	.03					T	T	T	.33	.01					.01	.24	.19	.12	.04	.01

Susitna R. @ Gold Cr.

Aug. 24-1959 59,700 cfs. peak

15-12-392

DAILY PRECIPITATION

CONTINUED

ALASKA
AUGUST 1950

Station	Total	Day of month																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
INTERIOR BASIN																																
ANACTUVUK PASS	1.91			.62						.04							.02	.16	.03	.18	.19	.06	.22	.36	.09	.01	T	.06			.15	.02
BETTLES FAA AP	1.23														T	T	T	T	.01	.34	.01	.02	.16	.05			T	.27	T	T	.16	
BIG DELTA FAA	1.72	.02	.16				.06		.09	.05							T	T	T	.07				T	.29			.32	.22	.25	.25	
CIRCLE HOT SPRINGS	1.27	.11	T	.04	T	T		T	T	.03							.03	.06	.14	.28	.02	.09		.32	.32	T		.05	.21	.39	.39	
COLLEGE RAD OBS	2.16			.08				.08												.11	T			T		T			.06	.26	.88	T	
EAGLE	.69			.14						.16										.16	.02	.09		.32	.32	T		.05	.21	.39	.39	
EIELSON FIELD	1.46	T	.01				.02		T					T			T	T	.09	.12	T			.11	.06	.08				T		
FAIRBANKS WB AP	1.61		.01				.03								T	T	T	.02	.04	.36	.04		.01	.10	.39			.04	.25	.03	.16	
FARMDELL FAA	9.03	T							T					T			.22	.06	.08	.36	.04		.01	.01	T	T		.26	.25	.36	.06	T
FORT YUKON FAA	.36	.02		.02					T	T								T		.26	T		.01	.28	.33	1.01	.07	.09	.27	.22	.31	.06	.27
GALENA	2.38	.01						T	T											.21	.18			T					.09	.09	.33		
HUGHES	5.84															.08		T	.31	.35	.09		.27				.04	.20	.05	.10	.04	.16
LADD AIR FORCE BASE	1.32	T	T				.02								T	T	T	.33	1.60		.05	1.22	.24	.12	.40			1.20				
LAKE MINCHUMINA FAA	3.08			T					.01					T	T	T	T	.01	.04	.27	T		.02	.34	T				.23	.18	.32	.04	T
MANLEY HOT SPRINGS	2.28								T					T	T	T	T	.34	.08	.06	.22	T	.24	.03	.29		T		.01	.01	.04	.03	.35
MC GRATH WB AP	3.21						T		T	T							.12	T	.12	1.00	.13	T	T	.09				.06				T
MC KINLEY PARK	1.97	T		.29	T		.18		T	T						.03		T	.35	.15	.02	T	.70	.09	.72	.04	.38	.18	.28	T	.16	.16
NENANA FAA	1.33														T		.19			.21	.18		T	.07	.75	.23		.37	.39	.15	.13	.07
NORTHWAY FAA AP	1.40	.12	.07	.02	T	.03	.01			.08						.09				.03	.17			.11	.04	.05			.08	.37		
SUMMIT FAA	2.46	T		.10					T	T				T	.16	T	T			.35	.17	.13	.12	.32	.08	.07		.06	.26	.01	.34	.15
TANANA FAA	3.76								T							.02	.12	.13	1.13	.08	.37	.01	.39	.01				.22	.10	.03	.07	.67
THE GRACIOUS HOUSE	1.57	T		.06					T	T							T	T	1.40	.33	.10	.10	.17	1.00	1.00	T	.04	.04	.22	.10		
TROUT CAMP	3.63	.09	.01	.13	T		.01	.02		.02	T				.01	.02	.14	.02	T	.04	.32	T	.03	.29	.08	.29	.31		.08	.03	.0	.12
WILD LAKE	1.46	.08								T							.02	T	.33	.16	.18	.17	T	.32	T		T	.20				
ARCTIC DRAINAGE																																
BARROW WB AP	1.16			T		T			.27	.02	.02	T				T	T	T	T		T	T	.11	T	T		T			.21	.13	T
BARTER ISLAND WB AP	1.69		.01	.14	.16	T			.37	.34	.16	T				T	T				T	T	T	.05	.03	.05				.11	T	T
CAPE LISBURNE	1.69							T			.01		T			.03	T		T	.31			.34	.38	T	T	T	.12	.01	.11	.32	.11
KOTZEBUE WB AP	1.58					T	T	.09			T				T	.03	.04	.01	.01			.02	.20	.04	.04			.09	.09	T	.16	.21	

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages percent				Number of days with precipitation								
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	2:00 A.M. (150th M.T.)	8:00 A.M. (150th M.T.)	2:00 P.M. (150th M.T.)	8:00 P.M. (150th M.T.)	Trace	01–09	10–49	50–99	100–199	200 and over	Total	Percent of possible sunshine	Average sky cover (tenths)
ANCHORAGE WB AIRPORT	S	13	6.6	↔28	S	18	84	77	66	78	8	9	4	2	0	0	23	40	5.2
ANNETTE WB AIRPORT	SSE	17	9.1	↔31	SSE	5	90	80	71	84	5	3	8	3	2	1	22	–	7.9
BARROW WB AIRPORT	E	27	12.9	31	NE	23+	95	93	88	92	14	1	5	0	0	0	20	–	8.7
BARTER ISLAND WB AIRPORT	E	30	12.7	↔32	E	13	95	93	88	91	7	5	5	1	0	0	18	–	8.5
BETHEL WB AIRPORT	SSW	17	14.1	↔36	SSW	26+	89	88	64	73	6	4	5	5	0	0	20	–	7.7
COLD BAY WB AIRPORT	W	16	19.9	↔51	SE	24	92	92	82	89	14	10	5	1	0	0	30	–	9.4
CORDOVA WB AIRPORT	ENE	9	3.6	↔23	ENE	31	90	82	72	86	3	11	7	2	0	1	24	–	8.5
FAIRBANKS WB AIRPORT	N	13	8.3	↔24	SW	19	90	78	55	69	5	7	5	0	0	0	17	–	7.7
JUNEAU WB AIRPORT	ENE	24	10.4	↔38	ESE	6	92	86	73	84	3	5	13	3	0	0	24	25	8.4
KING SALMON WB AIRPORT	SW	22	12.2	↔39	ESE	12	94	90	71	82	9	7	8	0	0	0	24	–	8.3
KOTZEBUE WB AIRPORT	W	13	11.0	↔35	ESE	26	88	87	78	81	4	10	2	1	0	0	17	–	8.2
MC GRATH WB AIRPORT	SSW	7	5.3	↔17	SW	23+	88	78	55	64	5	4	7	2	0	0	18	–	7.9
NOME WB AIRPORT	SW	13	10.8	↔30	NW	28+	86	83	72	76	8	4	4	1	0	0	17	59	8.2
ST PAUL ISLAND WB AIRPORT	–	–	–	–	–	–	96	95	89	94	9	10	5	3	1	0	28	–	9.0
YAKUTAT WB AIRPORT	E	15	7.8	↔29	ESE	31	94	84	76	91	5	2	12	2	2	0	23	–	8.4

↔ FASTEST OBSERVED ONE MINUTE WIND SPEED. THIS STATION IS NOT EQUIPPED WITH AUTOMATIC RECORDING WIND INSTRUMENTS.

15-12-393

15292000 Susitna River at Gold Creek

LOCATION.--Lat 62°46'04", long 149°41'28", in NW¼ sec.20, T.31 N., R.2 W., near left bank under Alaska Railroad bridge, 0.1 mile downstream from Gold Creek, 0.9 mile north of Gold Creek railroad station, and 2.0 miles downstream from Indian River.

DRAINAGE AREA.--6,160 sq mi, approximately.

PERIOD OF RECORD.--August 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is 676.50 ft above mean sea level. Prior to June 6, 1957, nonrecording gage at same site and datum. June 7, 1957 to June 2, 1964, water-stage recorder at site 0.3 mile upstream at same datum.

AVERAGE DISCHARGE.--23 years, 9,843 cfs (21.65 inches per year, 7,131,000 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 82,600 cfs June 17 (gage height, 16.04 ft); minimum daily, 1,600 cfs Apr. 17-24.
Period of record: Maximum discharge, 90,700 cfs June 7, 1964 (gage height, 16.58 ft); maximum gage height observed, 24.48 ft May 10, 1954 (ice jam); minimum discharge not determined.

REMARKS.--Records good except those for the period of no gage-height record, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8,190	3,600	2,800	2,400	2,200	1,900	1,700	2,500	62,500	26,900	19,000	12,600
2	8,220	3,600	2,600	2,400	2,200	1,900	1,700	3,000	48,400	26,500	19,900	12,500
3	8,280	3,400	2,600	2,400	2,200	1,900	1,700	3,600	34,800	25,800	20,000	13,000
4	8,160	3,400	2,600	2,400	2,200	1,900	1,700	4,600	25,200	24,100	19,300	13,900
5	7,560	3,400	2,600	2,400	2,200	1,900	1,700	5,800	21,500	24,000	19,700	14,900
6	6,930	3,400	2,600	2,400	2,200	1,900	1,700	9,000	20,600	24,800	22,100	13,900
7	6,870	3,200	2,600	2,200	2,000	1,900	1,700	13,000	20,400	25,500	26,400	12,300
8	7,200	3,200	2,600	2,200	2,000	1,900	1,700	19,000	22,700	26,400	26,300	11,800
9	7,530	3,200	2,600	2,200	2,000	1,900	1,700	25,000	26,100	26,200	21,500	11,800
10	7,530	3,200	2,600	2,200	2,000	1,800	1,700	26,000	26,400	26,200	18,900	14,000
11	7,380	3,200	2,600	2,200	2,000	1,800	1,700	24,000	27,300	23,800	17,200	14,000
12	6,900	3,200	2,600	2,200	2,000	1,800	1,700	21,000	33,800	23,700	17,000	16,600
13	6,480	3,200	2,600	2,200	2,000	1,800	1,700	20,000	38,700	25,000	18,500	21,400
14	5,550	3,200	2,600	2,200	2,000	1,800	1,700	19,000	51,900	26,200	19,700	26,400
15	5,050	3,000	2,600	2,200	2,000	1,800	1,700	18,000	62,300	27,200	20,000	22,000
16	5,300	3,000	2,600	2,200	2,000	1,800	1,700	18,000	63,800	25,500	20,500	19,000
17	5,600	3,000	2,400	2,200	2,000	1,800	1,600	19,000	70,700	25,000	21,800	17,000
18	5,520	3,000	2,400	2,200	2,000	1,800	1,600	20,000	48,600	22,000	22,000	15,000
19	5,200	3,000	2,400	2,200	2,000	1,800	1,600	21,000	38,200	20,500	21,500	13,000
20	5,200	3,000	2,400	2,200	2,000	1,800	1,600	22,000	30,900	19,400	22,100	11,000
21	5,000	3,000	2,400	2,200	2,000	1,800	1,600	24,000	27,000	18,600	22,200	9,500
22	4,800	3,000	2,400	2,200	2,000	1,800	1,600	25,000	25,300	18,500	20,400	8,500
23	4,600	2,800	2,400	2,200	2,000	1,800	1,600	27,000	25,700	17,500	19,800	7,500
24	4,400	2,800	2,400	2,200	2,000	1,800	1,600	30,000	26,400	17,400	19,500	6,500
25	4,400	2,800	2,400	2,200	2,000	1,800	1,700	30,000	26,300	18,300	18,700	6,000
26	4,200	2,800	2,400	2,200	1,900	1,800	1,700	30,200	25,100	18,500	16,200	5,500
27	4,000	2,800	2,400	2,200	1,900	1,800	1,800	32,400	24,100	18,900	14,400	5,500
28	4,000	2,800	2,400	2,200	1,900	1,800	1,900	35,700	25,300	19,900	13,800	6,000
29	3,800	2,800	2,400	2,200	1,900	1,800	2,000	36,300	26,100	22,700	13,600	5,500
30	3,800	2,800	2,400	2,200	———	1,700	2,200	38,900	26,800	21,400	13,000	5,500
31	3,600	———	2,400	2,200	———	1,700	———	55,500	———	19,400	12,900	———
TOTAL	181,250	92,800	77,800	69,400	58,800	56,500	51,300	678,500	1,032.9M	705,800	597,900	372,100
MEAN	5,847	3,093	2,510	2,239	2,028	1,823	1,710	21,890	34,430	22,770	19,290	12,400
MAX	8,280	3,600	2,800	2,400	2,200	1,900	2,200	55,500	70,700	27,200	26,400	26,400
MIN	3,600	2,800	2,400	2,200	1,900	1,700	1,600	2,500	20,400	17,400	12,900	5,500
CFSM	.95	.50	.41	.36	.33	.30	.28	3.55	5.59	3.70	3.13	2.01
IN.	1.09	.56	.47	.42	.36	.34	.31	4.10	6.24	4.26	3.61	2.25
AC-FT	359,500	184,100	154,300	137,700	116,600	112,100	101,800	1,346M	2,049M	1,400M	1,186M	738,100

CAL YR 1971 TOTAL 3,756,320 MEAN 10,290 MAX 77,700 MIN 950 CFSM 1.67 IN 22.68 AC-FT 7,451,000
WTR YR 1972 TOTAL 3,975,050 MEAN 10,860 MAX 70,700 MIN 1,600 CFSM 1.76 IN 24.01 AC-FT 7,885,000

NOTE.--No gage-height record Oct. 18 to May 23.
M.--Expressed in thousands.

15-12-394

Station	Total	Day of Month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
NIKISKI TERMINAL	1.83		.85			.26	.01	.04											.04			.37	.01	.08	.12			.22	.04	.01		
NIKILCHIK 5 NE	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		–	–	–	–	–	–	–	–	–	–	–	–	
OIL WELL ROAD EP	.89						.02	.18									.05	.05			.09	.05	.10		.12				.14	.24		
PALMER AAES	1.27	.12					.16	.32										.25	T			.04	T	.34	.07	T			.22	.02	.01	
PALMER 1 N	1.28	.07					.32	.25									.25		T			.07		.03					.24	.04		
PUNTILLA	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
SELOCVIA DOCK	2.64	1.13	.78			.15							.10		.03												.05		.02			
SKWENTNA //	–	–	.51	.12	.24	.03							T				.40		.04			.01	T	–	–	–	–	–	–	–	–	
SOLDOTNA 6 W	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		–	–		–	–	–		–	–	–	–	–	–	–	–	
SUSITNA MEADOWS	1.97	.04	.56	T	T		T	.08	T							.07	T	.42		.24		.05		.14	.07			T	T		.30	
TALKEETNA WSO	2.21	.29	.41	.01		T	.30	T							.07		.83	T	T		T	.03	.03	.24	T			T		T	T
TERMINAL ACRES	.46																		.10			.18		.03	.04				.17		.04	
WASILLA 3 S	1.19	.02				.04	.13	.23									.34		.02					.13	.07				.22	T		
WASILLA 2 NE	1.73	.02	T			.02	.22	.20									.49		.09			.13		.13	.09				.25	.02	.05	
WHITE'S CROSSING	1.62	.12	.58	.13	T			.16									.05	.10	.07			.09		.19	.14			T			.01	
• • • BRISTOL BAY 06																																
BROOKS LAKE	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–				.01	.08	.23	.01	.26	.06	.01	.05		.03		.07	
BROOKS RIVER	1.81	T	.67	.06	.01	.02	.15	T		T	T	T	T	T			T		T	T	.12	.17	.01	.32	.08	.07	T	T	.02	T	.11	
CAPE NEWENHAM	2.84	.27	.04	.07	T	.03		T	.07	.85	T		.04	T	.12	.01	T	.07		.01	.23	.03	.08	.03	.11	.01	.08	.01	.12			
EGEGIK	.98										.02	T		T	.08					.01	.33	.03		.05	T	.17	.09					
ILIAMNA WSO	–	–	.68	.06	.07	.05	.28						.13	.04	–	–	.07		.01	.04	.01	–	–	.42	.25		.09		–	–		
INTRICATE BAY	2.64		1.34	.35	.04	.04	.06			.02	.04		T	T	.13			.23			.14	.09		.09	.07	T						
KING SALMON WSO AP //R	1.62	.21	.22	T	.05	.07	.02	T	T	.07	T	T	.08	.06			.01	.07	.01	.02	.37	.03	T	.26	T	.04	T	T	T	T	T	
POINT ALSWORTH	.94		.42																		.07	.24		.05	.03			T		.13		
POINT HEIDEN	1.30	T	.35	.15	.09	T			T		T	T			T	.10	.15				.30			.10	T		.30	T				
SPARREVOHN	1.00	.03	.10			.05	.01	T					.03	T	T			T		T	.02	.21	T	.14	.14		.04	.10	.12		.01	
• • • WEST CENTRAL 07																																
AMBLER FAA AP	2.21	.03	.77	.67	T	.07	.03		.10	T	T		.09							T	T	T	.10	.14	T		.16	.09	.04			
BETHEL WSO AP 6	1.11	.15	.06	T	.01	.02	T	.11	.12	T	T	T	.03	T	.04			.01	.10	.06	.08		.07	.06	.28	.05		T			T	
CAPE ROMANZOF	3.35	T	.53	.20	.01	.01	T	.03	1.00	.56	T		.03	T	T	.01		.11	.36	.27	.08		T	.08	T	.01	.02	.02				
CROOKED CREEK	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	T	–	–	–	–	–	–	–	–	
GRAYLING	1.04		.98	.02				.15					.09													.40						
HOLY CROSS	–	.06	.76	.05		–	–	–	–	–	–	–	–	–	–	T				.17	.01	.10	.26	.02	.03	.07			.01			
HOME WSO AP 8	1.42	.07	T	T	T			.20	.64	.03	.01		.08		T	.01	.17	.16		.06	T	.01	T	T	T	T					T	
NUNIVAK	.89							T	.20	.18	T													.19			.08					
RUSSIAN MISSION	2.27	.12	.74	T		.07			.14				.04		T					.23	.07	.07	T	.38	.07	.11	.03	.20					
ST MARYS	1.37	.15	.17		T				.04	.03			.02			-		.09	.03	.03	.05	.08	T	.09	.01	.03	.02					
TIN CITY	.83	.03	T	.02	T	T		.03	.36	.08	T	T	.01		T	T	.08	T	.03	.01	T	T									T	
UNALAKLEET WSO	2.33	.53	.35	.02				.06	.39		T	T	.08	.04	.03		.38	.16		.09	.03	T	.04	T		T	.19					
WALES	1.32	.02	T	.08		T		.05	.64	.36	T		T		T		.03	.02	.06	T		.08									T	
• • • INTERIOR BASIN 08																																
ALLAKAKET	1.14			.06		.25					.02	.38							.19	.03				.20	.03	.03						
ANAKTUVUK PASS	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		–	–	–	–	–	–	–	–	–	–	–	–	
ARCTIC VILLAGE	1.47							.40	.08		.01										.05		.26	.02	.02	.13	.35	.02		.28	.05	
BETTLES WSO AP	1.78	T	.25		.12	.71					.16	.02		T					.38	.31				.11	.02		T					
BIG DELTA WSO AP	2.58	T			.16		.34	.17		.04					T	.13	.07		.67					.04	.08		T	.03	.09	.34	.01	
CENTRAL NO 2 //	2.66			.13	.15			.50			.30								.08	.02			.05		.08			.78		.03		
CHALKITSIK	.84																												.33	.20	.28	.08	
CHANDALAR LAKE	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
CHENA HOT SPRINGS	2.39	.04			.10	.40		.97	.12											.36							.20				.20	
CIRCLE HOT SPRINGS	2.31			.22	.21		T	.43			.23								.84			.05	T		.43	T	.19		.22	.22	.07	
CLEAR	1.15				.02				.01	.08	.04					.04	.12	.02	.03	.18	.03	.04	.01	.06	.06	.01		.08	.40	.04		
CLEAR WATER	2.32				.18		.42	.22		.32							.12		.70						.03	T		.08	.02	.33	.01	
COLDFOOT CAMP	1.18	.22			.34	.11					.06								.21	.04	.02			.18		.83						
COLLEGE OBSERVATORY	1.28					.04		.06		.01							.01	.02	.04	.38		T	.01	T	.01				T	.31	.41	
CROOKED TREATY	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
DIETRICH CAMP	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
DOT LAKE	1.84		.45														.15		.33								.08	.36	.17			
EIELSON FIELD	.81	T		T	T	T	.08	.04		T						T	.02	T	.25			T	T	.11	T	T		T	.33	.01	T	
EIELSON VISITORS CEN.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
FAIRBANKS WSO AP R	.55				.02		.04	T		T						.01	T	T	.04			.04	T	.01	T		.01	T	.18	.07	.13	
FARRELL WSO	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
FIVE MILE CAMP	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
FORT YUKON	.10					T					.02								.08												T	
GALENA	1.57	.38	.12	T	.08				T			T	T	T	T	.06	.44	T	T	.01	.01	T	.30	.08	.05	.04						
GILMORE CREEK	1.24										.20						.08		.65	.18		.11	.40		.10				.12			
INDIAN MOUNTAIN	1.89	.11	.27			.02				T	.72		T	T				T	T	.38	.05	.02	T	.04	.05	.06			.21			
MACLAREN RIVER	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		–	–	–	–	–	
MANOKOTAK LAKE	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
MCGRATH WSO AP R	1.80	.19	.31	.02	.04	T	.03						.02	T	T	T	.14	T	T	.02	.04	.03	.01	.25	.01	T	.01	.04	.23		.41	
MC KINLEY PARK	2.03	T	T	.10				.23			.16					T		.42	T			T	T	T		.39			.46	.33		
NENANA FAA MUN AP	–	–	–		T	T		T		.20	T							T	.30	T		.05	T		T			T	T	.20	.33	
NIKOLAI	1.12	.30					.02				.03						.03	.16	.13	.02	.02	.10	.05	.21	.20	.04				.28	.04	
NORTH POLE	1.00				T			.12										T	.04	.20				.02	.11						
NORTHWAY FAA AP	1.75	T		T		.04	.03		.06							.07		T				T			T	.17	T	.21	.92	.23		
PROSPECT CREEK CAMP	1.70		.18			.20					.18									.20				.30	.50		.30					
RIKAS LANDING R	2.42	.03			.45		.43	T											.84									.27	.04	.36		
SUMMIT FAA AP	1.18	.09	.12				.06	.03					T		T	T	.08		T	T		.04	.01	T	T			.25	.09	.07	.34	
TANANA WSO	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
TANANA – EVAP	1.29	.02	.29	.07		.14					.03								.35	.08		.02	.01	.19	.03				.01		.03	
TATALINA	1.32	.04	.31	.03	.07	T	T						.03	T	T		T	.14		.02	.08	.10	.04	.23	.03	T	.01	.10	T		.03	
THE GRACIOUS HOUSE	–	–	–	–	–	–	–	–	–	–	–	–	T				.40			T		.10	.05	.27				T	–	.16	T	
THE HARRIS'S	1.98			.04	.41			.24								.04			.24									.80	.70	.63		
TOK	1.95																												.81	.03	.21		
TRIMS CAMP	4.31	.02	.48	.08	.02	.33	.07				.08	.22				.15	.18	.37	.44						.04	T	T						
UNIVERSITY EXP STATION	.78									.02							.08		.08			T							.03			
WEST FORK	2.14	.04			T					.03	.01						.05		.37	.17		.30			.44	.03			.02		.46	
WILD LAKE NO 2	.35	.06	.02			.17					.15	.05							.03	.03	.03			.01			T					
WONDER LAKE	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
• • • ARCTIC DRAINAGE 09																																
BARROW WSO AP //6	.05	T	T	T	T	T	T	T	T										T	.02	.01	T		T	.02	T		T				
BARTER ISLAND WSO AP 6	.07		T	T		T		T											T	T	T	T	T	T	T	T	.30	T	.30	T		
CAPE LISBURNE	1.02	.04	.06	T		T	T	.01	.32	.03					.01	.15		.06	.25	.09									T	T		
GALBRAITH LAKE CAMP	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
HAPPY VALLEY CAMP	1.32																			.01	.02	.45	.17			.15	.20	.12	.03		.15		
KOBUK	1.99	.20	.15	.08								.23							.30	.08	.40	.05	.01	.25	.04							
KOTZEBUE WSO AP //6	.39	.05	T	.03		T	T	T	.29	.03				T	T	.12			.02	T	.03		T			T						

Susitna R. @ Gold Cr.

June 17 - 1972 70,700 c.f.s. peak

Q 600

15-12-395

DAILY PRECIPITATION

ALASKA
JUNE 1977

Station	Total	Day of Month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
• • • SOUTHEASTERN 01																																
ANGOON																																
ANNETTE WSO AP B	2.14	.07	.06	.17	.07	.92	.26	.10	.18	.03		.17	.09	T	.02	.14																
ANNEX CREEK	4.95	.19	.07	.09	1.12	.88	.42	.12			T	.46	.19	.08	.09	T	.14			.91												
BUKE BAY	5.23	.11	1.06	.23	.35	.21	T	.26				.99				.38	.03	.73				.03	T		T	T	.02	.03	.10	.03	.08	.01
BEAVER FALLS	4.92	.05	.26	.17	.01	.35	.21	.04	.02	.11		T	.01			.37	.07	.66	.03	.01				T	.40	.07	.35	.96	.27	.10	.03	
	8.40	.37	.45	.98	.52	.78	.54	.11	.06			.20	.42	.08		.10	.03	.10							.22	.04		.40	.49		.72	
CAPE DECISION	3.34	.10	.19	.23	.32	.97																					.08	.88	.14	.52	.06	
CAPE SPENCER	3.99	.11	.08	.75	.16	.29	T	.00				.10	.15	.05																		
COFFMAN COVE	5.29	.36	.28	.32	.35	.34	.10	.07				.29	.39			.20											.29		.19	.20		
ELDRED ROCK	1.29	.25	T	.05	.11	.11	.21	.39	.18			.17	.25	.06	.07	.12	.17	.33	.01	.05				.19	.26	T	.73	.79	.02		.05	
FIVE FINGER LIGHT STA	2.34	.21	.08	.48	.16	.48	.17	T	.18		.08		.32		T	T		.07	T						T	.02	.09	.58	.12	.34	.42	
GLACIER BAY	2.48	.17	.14	.11	.14	.90	.39	.03	.11			.81				.27	.07		.10						.03	.06	T	.07	.15	.05	.03	
GOOSE COVE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T					.02	T	.20	.06	.09	.08	
GUSTAVUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					.02	T	.22	.05	.06	.09	
HAINES TERMINAL	.82	.04		T	T	.10	.19	.04	T	.02	.01																					
HOONAH	-	-	-	-	-	-	-	-	-	-	-	-	T			.16		.42		T							T					
JUNEAU AD 2	5.59	.07	T	.69	.08	.22	.32	.10	.02	.40								.12	.03	.02	T				.08	.01	.06	.21	.13	.34	.34	
JUNEAU WSO AP B	3.98	.03	.02	.09	.01	.25	.11	T	T	.13		T			.20	.31	.07	.35	T	.19					.30	.15	.15	.43	.45	.30	.35	
JUNEAU 9 NW	4.39	T	.07	.25	.15	.62	.19	T		.10						.27	.23	.21	T	T	T	T		T	.19	.13	.31	1.01	.64	.73	.03	
KAKE	2.54	.10	.10	*	.09	.15	.10	.90	.20		.40		.15	.10		.33	.05								.25	.20	T	.60	.90	.79	.15	
KETCHIKAN	9.10	.85	.70	.98	1.17	.95	.91	.29	.02	T		.42	.39	.89		.29	.13			.04						.30						
LINCOLN LONGOR	.47	T	.01	.02	.05		.20	T	T	.05						.15										.11	.30	.64	.21	.05		
LITTLE PORT WALTER	8.86	.93	.29	1.27	1.32	1.42	.57	.68				.07	.13	.23	.04	.15		.04														
PELICAN	3.56	.17	.75	.22	.45	.16	.02		.20			.24				.25	.04										T					
PETERSBURG	6.90	.36	.43	.72	.33	.83	.28	.34	.26	.02		.46	.11	.83	.20	.12		T	.05	.08					.08		.19	.29	.95	.42		
POINT RETREAT LGHT STA	3.10			.37	.09	.64	.33	.10				.83				.09	.08	.17	.02	.09					.02	.35	.04	.17	.15	.04	.02	
																.27	.09	.06	T						T	.08	.20	.57	.35	.31	.28	
SITKA FAA AP	2.89	.02	.06	.38	.15	.66	T	T																					.30	.32		
SITKA MAGNETIC OBSY	3.54	.10	.04	.28	.35	.43	.27	T	T	T		.13	.06	.12	T	.15	.02	T	T		T	T		T	.17	.13	.10	.14	.03	.28	.05	
SKAGWAY NO. 2	.68					.06	.02						.23	.11	T	.20	T	.04	.01	.02	T				.19	.28	.05	.29	.12	.32	.21	
TENAKEE SPRINGS	2.98		.06	.06	.06	.61	.21	.08	.11	.05		.08	.06			T		.32	.01					.19							
WRANGELL	5.12	.23	.16	.32	.39	.47	.28	.29	.03		T	.39	.12	.03	.01	.11	.03	.24	T	.01			.02		.01	.04	T	.28	.21	.57	.04	
• • • SOUTH COAST 02																.33	T	.12		.03	.01	T			.01	.08	.01	.62	.32	.72	.20	
CAPE MINCHINBROOK	2.72		.27	.13	.21	.19																										
CAPE ST ELIAS	T		T	T		T								.21	.11		.14	.23	.13			.09		.22	.11		.18	.17	.19	.14	
CHIGNIK	6.94											T		T			T	T			T	T		T			T	T	T	T		
COOPER LAKE PROJECT	1.18	.02	.10	.03	.03	.02	.01	.04					.08	.02		2.40	2.08	.01	.90		.95											
CORDOVA-MILAR	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-				.17		T	.21	.01	T	.03	.12	T	.29	
CORDOVA FAA AP //R	3.61	.04	.82	.02	.13	.12	.01		T	T	T	.01	.02	.11	T	T	.37	.27	.01		T	.09	T	.29	.19	.08	.01	.04	.74	.27	.02	
KARLUK RIVER	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-				-			-	-	-	-	-	-	-	
KITOI BAY	4.45		.62	.03	.11	.17	.11	T		.02	.11	.03		.14	.03	.03	.03	.03		.04	.22	.13	.12		.03	.04	.05			.07	.05	
KODIAK WAS	2.12	T	.29	T	.02	.23	.01	T		.13	.44	.21	T	.12	T	.06	.16	.10	T	.04	.20	.10		.22	.01	.17	.22	.04	.01	.01		
LARSEN BAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			.13	T	T			.06	.08	.05	.01	.01	.01	
MAC LEOD HARBOR	13.27		.56	2.91	2.29	1.95	.60																									
MOOSE PASS	.65										.11		.16	T	.48	T	.04	.32	2.12	.02	T	.18	T	.19	.20	.01	.07	.95	.21	.28	.02	
SEWARD	2.72		.93	.23	.18	.05	.09						.07	.06	.09		.09	.22	.08		T	.20			.20				.10	T	.10	
SITKINAK	3.81	.01	.02	.01							.01		.07	.06	.09		.05	.03	.02	.09	.20	.03	.04	.16	.03	.05	T		.08	T	.01	
VALDEZ	2.78	.01	.20	.26			.16		.01	1.30	1.30	.09	.03	.02	.02	.09	.05	.03	.02	.09	.20	.03	.04	.01	.03	.13			.04	.03	.04	
YAKUTAT WSO AP B	4.34	.16	.80	.81	.06	.26	.01	.03	.03			.04	.05			.09	.04	.15	.13	.05	.01	.09	T	.14	.11	T	T	.21	.04	.68	.35	
• • • SOUTHWESTERN ISLANDS 03																																
ADAK	3.02			T	.02	T	.32	.40	.28	T	T	.13	.33	.09	.04	.14	.34	T		.03		.32	.10	.16	.15	.17	.07	T	T	T	T	
ATTU	.06	.15				T	.23	.03	T	.09		T	T			.04	.08	T		T	.01				.05							
CAPE SARICHEF	.00																															
COLD BAY WSO AP B	2.91	.09	T	T	.19	.04	.01	T	.46	.17	.12	.04	T	T	T	.10	.05	.37	.45	.07	.28	T	T	.28	.04	.03	.02	.02	.06	T	.02	
ST PAUL ISLAND WSO AP B	1.80	.03	T		.10	T	T	.85	.34	T	T	.01	.05	.08	T	.08		T	T	T	T	.02	.10	.01	.04	.07	.04	.01		.01	T	
SHEMYA WSO AP 0	2.39	.23		T	.02	T	.97	T	.01	.29	.32	.37	.09	.01	T	.01	T	T		T	T	.01	T	.04	.02	T				T	T	
• • • COPPER RIVER 04																																
CHISANA	1.42	.01					.20		.23																							
COPPER CENTER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.22	-	-	-	-	-	-	-	-	.01	.10	.40	.23	.02	
KLUTINA LAKE //	.73																															
ERNESTINE	1.09	.03	T				.88										.16		.03		T	.08		.06	T			.14	.08	.07	
GAKONA 1 N	1.71					T	.28	T	T	.05		.04	.02	.01	.02		.31						.02		.91			.17	.42			
GLENNALLEN	1.48	.03					.33			T						.02	.89	T							.20			.10	.37	.16	T	
GULKANA WSO	1.57				T		.09			.09		T				T	.20						T		.03							
MC CARTHY	1.38	T	.09			T											.38								.03			.19	.48	.18	
OLD EDGERTON	1.77	.01		.02	.02	T				.19						.04	.40	.02		.03		T		.03	.03	.09			.32	.18		
										.05			.01			.04	.40					T		.02	.08				.39	.96	.15	
TAYLOR LAKE	2.60	.25		T			.49			.40						.22	.23	.12	.14	.02		.02			T		.15	.13	.09	.38	
WIDE MOUNTAIN	2.65						.30	T		T			T			.12	.40		.06		.03			.39			.04	.21	.39	.11	
WOLVERINE LAKE	2.92	.09	.09	.09			.18	T								.18	.60		.02	T	.04		T	.40			.06	.34	.63	.18	
YAKATAGA 1 N	1.88		.06		T		.09	.06	.03	.02	.19	T	.05				.23	.29	.02	.04	T		.06		.08	.02		.04	.16	.43	.09	
SUMMIT LAKE	2.90	.32	.04				.32			.28						.12	.20	.03	.31			.02			.04	.09						
THOMPSON PASS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
TONSINA LODGE	1.95									.11						.06	.35	.01				.01			T	.03	.11		.16	.53	.10	
TSINA LODGE	1.35						.10			.11		.04	.02				.33		.05			.04			.04	.01			.32	.31	.02	
YELLOW LAKE	1.86									.07		.02				.11	.41	.03							.14	.06			.34	.31	.17	
• • • COOK INLET 05																																
COULT CONSERVATION CMP	.01			T			.10																									
EAGLE INN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.19	.09				.10		.06	.07							
EVESKA	2.49		.48	1.10	.31	.11	.09						.08						.11			.07										
ANCHORAGE PARK STRIP	.01					T																T	T	.49	T		.03	T	.17	.03	
ANCHORAGE WSO AP B	.01	T	T	T		T	.03	.13			T		T				.21	T	T	T	T	.15	T	.21	T	T		T	.09		T	
ANDERSON LAKE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BEACON PARK	.78						.01	.17											.96			.13	.02	T	.05	.03		.23	T	.06		
FARMERS MARKET	1.40	.02				.03	.26										T		T			.10		.30	.10			.10			
FISH ROAD	1.04	.01	T	T			.02	.20									.91					.14		.17				.22	.02	.03	
HULITNA HIGHWAY CAMP	-	-	-	-	-	-	-	-	-	-	-	-	T				T	T	T		.01	.30	T	.40	T	T	T	.09	.01			
HULITNA RIVER LODGE	1.98	.17	.49	.02				.08								.03		.55	.01	.26	T	T		.02	.15	T						
HULITNA RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HULITNA PROJECT	1.34	T					.18	.26					T				.28	.03		T		.08		.03	.17		T	.19	.03	.10	
MENDORA 6 F BASE	.79	T	T			T	.06	.07					T				.03	T	T		T	.09	T	.33	.02		T	.15		T	
MEN ALPS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MOSE BAY NIKE SITE	1.14		.01	.01	T		.14	.20	.02																							
MEN WSO	.37	T	.08	T	T								.01					.02	.01	.17		.12	.01	.16								
MEN 5 NW	.99		.11	.07	.02	.10	T					.22	T			T	T	.02	T	T	.14	T	.04	.17			.12		.11	.05		
PERANCE MINE	-	-	-	-	-	-	-	-	-	-	-	.01	.02	.01			T	-		T	-	.06	.18	T	.28	T		T	.05	T		
SILOF	.20		T	.05	T															T	T	.09	T	.59		.03	.01	.07				
SITKA BAY	1.83		.72	.10	.03	.04	T						T					.22			.03	.15	T	.07	.02	T						
THAI OIL & GAS	.03																															
THAI FAA MUNICIPAL AP	1.24	.02	.08	.01		.01	T				.02	.01	.02				T	T	T	T	.29	.10	.01	.17		T	T	T	.23			
TKE LOUISE	-	T																														
TANUSKA AGR EXP STA	1.35	.05					.21	.92								.93	-												.01			
																	.37	.02	.09										.30	.30	.50	
																													.21	.04	.03	

15-12-396

15292000 SUSITNA RIVER AT GOLD CREEK

LOCATION.--Lat 62°16'04", long 149°41'28", in NW¼ sec.23, T.31 N., R2 W., Matanuska-Susitna Borough, near left bank under Alaska Railroad bridge, 0.1 mile downstream from Gold Creek, 0.9 mile north of Gold Creek railroad station, and 2.0 miles downstream from Indian River.

DRAINAGE AREA.--6,160 sq mi, approximately.

PERIOD OF RECORD.--August 1949 to September 1970.

GAGE.--Water-stage recorder. Datum of gage is 678.50 ft above mean sea level. Prior to June 6, 1957, nonrecording gage at present site and datum. June 6, 1957, to June 2, 1964, water-stage recorder at site 0.3 mile upstream at present datum.

AVERAGE DISCHARGE.--21 years, 9,775 cfs (21.55 inches per year, 7,082,000 acre-ft per year).

EXTREMES.--Maximums and minimums (discharge in cubic feet per second, gage height in feet) for the water years 1966-70 are contained in the following table:

	Maximum			Minimum daily	
Wtr yr	Date	Discharge	G.H.	Date	Discharge
1966	June 6, 1966	63,600	14.66	Feb. 1 to Mar. 31, 1966	1,300
1967	Aug. 15, 1967	80,200	a15.23	Apr. 1-20, 1967	1,100
1968	May 22, 1968	41,800	b12.75	Apr. 6-15, 1968	1,800
1969	May 25, 1969	28,400	11.17	Jan. 14 to Feb. 15, 1969	700
1970	June 30, 1970	33,400	11.89	Feb. 11 to Mar. 15, 1970	750

a Maximum gage height for year, 20.78 ft May 16, 1967, backwater from ice.
b Maximum gage height for year, 14.08 ft May 16, 1968, backwater from ice.

Period of record: Maximum discharge, 90,700 cfs June 7, 1964 (gage height 16.58 ft); maximum gage height observed, 24.48 ft May 10, 1954 (ice jam); minimum daily discharge, 600 cfs Feb. 16-20, 1950.

REMARKS.--Records good except those for periods of no gage-height record and those for winter periods, which are poor. Water-quality records for the water year 1967 are published in reports of the Geological Survey.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1965 TO SEPTEMBER 1966

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18200	2750	1800	1400	1300	1300	1500	3400	20400	21300	22700	14000
2	17100	2700	1800	1400	1300	1300	1500	3400	23400	19900	25700	15400
3	16400	2600	1750	1400	1300	1300	1500	3400	26500	19500	31000	14700
4	15400	2500	1750	1400	1300	1300	1500	3400	40400	18500	33500	13700
5	14800	2450	1700	1400	1300	1300	1500	3400	55100	17300	29600	12800
6	12900	2400	1700	1400	1300	1300	1500	3400	54600	16600	24700	11700
7	10600	2300	1700	1400	1300	1300	1500	3400	56400	17400	21500	11100
8	10200	2250	1700	1400	1300	1300	1500	3400	51500	15600	20700	10900
9	9100	2200	1700	1400	1300	1300	1500	3400	43500	16400	21000	10000
10	8820	2150	1700	1400	1300	1300	1500	3400	38900	16200	21300	9360
11	8750	2100	1700	1400	1300	1300	1500	5000	36300	17700	21400	8940
12	8100	2050	1650	1400	1300	1300	1500	5200	37500	19500	21400	11300
13	7440	2000	1650	1400	1300	1300	1500	5400	38700	19400	19700	14900
14	6300	2000	1650	1400	1300	1300	1500	6000	33500	18500	17700	17300
15	5900	2000	1650	1400	1300	1300	1500	6400	29000	17100	16400	15900
16	6100	2000	1600	1400	1300	1300	2050	7100	25800	17200	16600	14000
17	5400	2000	1600	1400	1300	1300	2050	7700	24000	17800	20400	13400
18	5400	1950	1600	1400	1300	1300	2050	8400	27600	18900	19700	12700
19	5500	1950	1600	1400	1300	1300	2050	9000	34400	20600	20900	11700
20	5400	1900	1600	1400	1300	1300	2050	9900	32900	20100	22700	11600
21	5300	1900	1600	1400	1300	1300	2050	11100	29300	19600	24100	11900
22	5300	1900	1600	1400	1300	1300	2050	12500	26900	18100	22600	11400
23	5300	1900	1570	1405	1300	1300	2050	13400	26500	18200	21000	10400
24	5300	1900	1530	1400	1300	1300	2050	14700	29500	18600	23300	9590
25	5300	1900	1530	1400	1300	1300	2050	14800	26400	18900	25600	9060
26	5250	1900	1530	1405	1300	1300	2050	14300	24100	18900	22700	8780
27	5200	1850	1530	1400	1300	1300	2050	19400	23400	24300	20100	8680
28	5100	1850	1530	1400	1300	1300	2050	21500	23200	30200	17900	8780
29	5050	1800	1530	1400	---	1300	2050	23700	21800	31800	17400	8750
30	5050	1800	1530	1400	---	1300	2050	22900	21900	27300	17200	8160
31	2800	---	1530	1400	---	1300	---	20700	---	24600	16800	---
TOTAL	223360	62950	50570	43400	36400	40300	53250	299000	988400	615800	674400	352800
MEAN	7205	2098	1631	1400	1300	1300	1775	9645	32953	19864	21825	11763
MAX	18200	2750	1800	1400	1300	1300	2050	23700	56400	31800	33500	17300
MIN	2800	1800	1530	1400	1300	1300	1500	3400	20400	16200	16600	8160
AC-FT	443000	124900	100300	86090	72200	79960	105600	593100	1961000	1221000	1342000	699400

CAL YR 1965 TOTAL 3731880 MEAN 10226 MAX 39900 MIN 800 AC-FT 7402000
WTR YR 1966 TOTAL 3442830 MEAN 9432 MAX 58400 MIN 1300 AC-FT 6829000

NOTE.--NO GAGE-HEIGHT RECORD DEC. 23 TO MAY 10.

15-12-397

DAILY PRECIPITATION

ALASKA
JUNE 1966

Station	Total	Day of Month																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
SOUTHEASTERN 01																																
ANGOON	1.65	T								.75	.10					.21	.36	.36	.33		.03						T	T		T	.03	
ANNETTE WB AIRPORT R	2.23		T	T	T				T	T	.02	T	.07	T		.16	.18	.65	.14	.02	.01	.20	.04	T		.02	.68	T	.15	T		
ANNEX CREEK	1.87									.01		.06	.04			.01	.48	.61	.31	.01	.21							.07			.09	
AUKE BAY	2.53									.03	.35	.05	.11	.03		.06	.41	.01	.71	T	.03							.05	.43		.04	
BEAVER FALLS	4.29									.16	.18	.50	1.08	.02		.15	.04	.35	.78	.38	.14	.11	T	.14			.13	.30	.09	T	.20	
CAPE DECISION	1.48									.14	.13					.49	.23	.10				T					.18		.02	.19		
CAPE SPENCER	1.24	.07									.05					.12	.23	.53	.11		.02							.11				
ELDRED ROCK	.84										T	.03	.01	T			.11	.33	.01	.02	.08	T						.29			T	
FIVE FINGER LIGHT STA	2.16				.85					.25	.25	.18	.05			.19	.25	.48				.89						.09				
GLACIER BAY	.96	.01								.16	.01	.02	.06			.13	.29	.25	.09		T						.18		.04	.13		
GUARD ISLAND	1.87			T				T	T	.28	.13	.03	.06			.16	.10	.22	.22	.16	.04		.09	.03			.25	.01	.07	.02		
GUSTAVUS FAA	1.11	T								.19	.02	.02	.13			.07	.17	.11	.13									.29				
HAINES TERMINAL	.55											.07					.13	.16			.15							.04			T	
JUNEAU NO 2	1.00									T			T				.43	.07	.50								T	T			T	
JUNEAU WB AIRPORT R	1.76	T				T				T	.02	.04	.02			.15	.29	.12	.96	T	.03			T			.27	.74			T	
JUNEAU 9 SW	2.37									.58	.02	.05	.05			.03	.34	0	.75		.01						.06	.45			.03	
KETCHIKAN	5.46									.33	.26	.16	.07			.20	.16	1.67	.49	.26	.30	.08		.09			.89	.24	.74			
LINCOLN ROCK LIGHT STA	.84									.03	.02					.17	.14	.26	.02				.18				.03		T	.07		
LINGER LONGER	1.28									T			T				.42	.04	.17		.94							.02	.07			
LITTLE PORT WALTER	4.13									.90	.16	.88	.13			.48	.95	.26	.32	.01	.02						.10		.01	.19		
PETERSBURG	3.57				T	T				.46	.17	.11	.34	T		.21	.22	.27	.26	.23	.01		.21				.13	.17	.20	.58	.02	
POINT RETREAT LGHT STA	1.37									.19	.08		T			.15	.38	.14	.24		.02							.12			.07	
SITKA FAA	2.77	T			T					.03	.12	.03	.05			1.70	.04	.14	.15	T	.03		T	T			.17		.11	.17	.01	
SITKA MAGNETIC	1.11									.04	T	.07	.03				.16	.06	.32	T	T	T			.01			.16			.08	.16	
SKAGWAY NO 2	.08																.18			.19	.51						.01	.07			.02	
SHEITTISHAN PROJECT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TRAITORS COVE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TREE POINT LIGHT STA	2.22				T																											
WRANGELL	2.66				T	.01				.34	.19	T	.10	.10																		
										.04	.07	T	.12			.27	.17	.14	.23	.40	.18	.19		.26	.04		.22	.04	.05	.03			
																													.04	.13	.54	T
SOUTH COAST 02																																
CAPE NINCHINBROOK	2.17	.25	T					.25	.03	.10	.10	.02	T	.20	T		.27	.85	.18		T	T						T				
CAPE ST ELIAS	1.50	.15	T		T	T		T	T	.11	.02	.11	.03	T	.02		.84	.16			.06											
COPPER LAKE PROJECT	1.64	.10	.14									.03	T	.03	T			.13	.01	.09	.22	.49	T					.25	.15	.14		
CORDOVA ELAM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CORDOVA FAA AP 1/R	2.13	.12			.03	.11	T	.01	.07	.07	T	.34	.06	.03	.41		.30	.24	.13	.11	.02	T		T				T	.01	.05		
KARLUK LAKE NO 2	.78	.16	.07	.04	.01							.01	.04	.05	.01							.12	.03	.09					.10		
KITOI BAY	3.22	.21	.26		.05	T	T	.14	.78	.32	.10	.01	.26	.72	.02	.09	.02	.21	.02			T		.06		.04					
KODIAK WAS	8.59	.37	T	.03	.05	.04	.01	1.14	.64	2.31	1.00	.23	.94	.30	T	.03	T	T	.03			T		.20	.02	.07		T	T	.04		
LARSEN BAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OLSEN BAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SEWARD	.62	T	.04		.02	T			.15	.02		.04	T	.10	.03		.04	.08	.01		T	.05		T				.02			T	
SITKINAK	1.80	.31	.07	.07	.01		.04	.20	.06	.02		.09	.01	.20	.02		.04							.20	.10	.24			T		.10	
VALDEZ AIRPORT	2.03										.84				.15			.28			.09						.32	.33				
WHITTIER	-		.22						.10	.11	.21	.27	.23	.58	.01																	
YAKATAGA FAA	1.18	.08							.01	T		.17	T	T			.46	.34	.06		.02			.02			.02	T				
YAKUTAT WB AIRPORT R	1.84	.15	T		T	.01		T	T	.03	.11	.15	.03	T		.02	.33	.12	.03	.13	.97						.01	.13				
SOUTHWESTERN ISLANDS 03																																
ADAK	1.36	.07	T	.03	T	T	.04	T	.32	.05	.20		T	.01	.04	.51	.01		.03	.01	T	.03	T	T	T	T	T		T	T	.01	
ATTU	2.18	.09		.09	.10	.03	.02	.20	.48	.04				T	.01	.01	.01	.67	.03	.14	.20	.06	T	T	T	T	T		.02	T	.02	
CAPE SARICHEF LGHT STA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COLD BAY WB AP R	.78	.01	T	T	T		.04	T	T	T	T		.06	T	.03	.12	.03	.04	.01		T	.01	T	.21	.24	T	T	.04	.02	T	.13	
ST PAUL ISLAND WB AP R	.39	T	.05	.02		T	.01	.01	T	T		.03	T	.05	.04	.07	.06		T	T	T	T	.01	T	T	T	.01	T	T	T	T	
SHEMYA WB AP R	.97	.03	.05	.07	.05	T	.15	.20	.07	.01	T	T	.01	T	T	.01	T	.12	.03	.03	.10	.01	T	.01	T	T	.01					
UMNAK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COPPER RIVER 04																																
CHITINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COPPER VALLEY SCHOOL	2.17	.13	T	.02	.24	.43																										
EKLUTNA LAKE	1.45									.15								.25	.08	.34			.16	.01				.11		.25		
EUREKA	2.69	.16	T	.10	.07	.12	.13			.25	.05					T			.15		.95			.10			.10	.10	.05	.10		
GLENNALLEN KCAM	2.18	.11		T	.16	.07	T	.12		.23	.11	.26						.13	.12	.14			T	.32			.01	.33	.03	.02		
										.28	.01	.01						.14	.04	.35	.01	.05	.44	T	.01			.28	.03	.07		
GULKANA FAA	1.97	.05		.11	T	.34				.21	T	T			T		.22	.28	.14	.03	.03	.06				.23	.11		.09		
MCKINLEY PARK	-	-	-	T	.11	T	.12			T	.33	.19	.04		.60	.20	.13	.23	T				.11	.10			.47	.10	.15		
KENNEY LAKE	1.15					.25										.40													.40		
MAY CREEK	1.18	.46					.31	.06		T		.03				.13	T	.03	.03	.02							.04	.01	.06		
PARSON	1.86									.06	.04					.23	.95							.16	.26		.18					
SLANA	2.79			.41	.13					.30							Y		T	1.32			T	.45			.18		T		
SNOWSHOE LAKE	2.26	.12		T	.04	.08	T			.25	.01	.30					T	.10	.22	.36		T	.19	.01				.33	.04			
THOMPSON PASS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TONSINA LODGE	2.93					.12				.78	.75							.41	.96		.03									.28		
COOK INLET 05																																
ADULT CONSERVATION CMP	1.18		T		T							.16	.24		T												.20	T		T		
ALPINE INN	-	-	-	-	-	-	-							.02				T	.05			.24		.29				T			T	
ALYESKA	-	-	-	-	-	-	-	-	-	-	-	-	-				T	T	.04			.21		.26	T		T	.31		.07	T	
ANCHORAGE PARK STRIP	.46	.04	.06	T	.03																											
ANCHORAGE WB AIRPORT R	.27	.01	.03		.04	T		T	T	T		.04	T	T	T	T	T	T	T	T	.17	T		.06			.04	.02				
										.02	T	T	T	T	T	T	T	T	T	.07	T		.04			.06	T					
BENBOW	-	-	-	-	-	-	-																									
BIRCH ROAD	.75		.10								T	.16	.05		T		T		T	.07	.03	.29		.12			.07	.09	.01	.05	.01	
CREEKSIDE PARK SCHOOL	.28	T		.10	.04	.02						.03		T					T	T	.33	.04		.08			.07	.11			.01	
EKLUTNA PROJECT	2.22	.08	.05		.02	.01							.07	.05		T		T														
ELMENDORF A F BASE	.59	.08	.06		.02				T	T		.42	.26	T	T	T			.01	.05	.02	.96	.01	.18	T		.08	.06	T	.03	.02	
												.04	T				.01	T	T	.09	.11	T	.05			.04	.02	T			.02	
GIRDWOOD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HIGH LAKE LODGE	2.44		.12				.02	.01		T	.62			.24	T	.02	T	.01	.30		.03	.01		.30				.33		.03		
HOMER FAA	.73	.07	.13	T	.04	.03	T	T	.03	T	T	T		T	.02	T	.12	.07				.03					T	.19		T	T	
HOMER 5 NW	.92	.02	.16	.04	.03				.28	.01	.03	.01			.05			.16	T			.08					.03	.01			.01	
KASILOF	.81	.20	.19	.10	T				.03			.05			T			.15	T			.09						.04				
KENAI FAA	.36	T	.11	T	T	T			T	T	T	.07				T	.06	.10	T		T	.02					T		T			
MATANUSKA AGR EXP STA	1.35	.02	.04									.38	.07						.07			.37		.16				.14		.07		
MC KINLEY VIEW	2.38	.01	.16			.12						.36		.12	.22		.02	.03	.42			.11		.17	.02		.36	.02				
MOOSE RUN FT RICH. GC	.52	.04	.06		.03				.04			.04							T		.01	.11	.02	.06			.05	.04	.03		.03	
NINILCHIK	.87	.03	.08				.06		.08		.01			.09	.06	.01	.01	.28				.09		.04			.03					
PALMER AAES	.65	T		.01	T	.03								.02			T	T		.08		.15		.01	.11			.16	.02		T	
PALMER 1 W	.76	.02	.05			.01						.20	.02						.01	.09		.17	.01				.10	.08		.01	.01	
PUNTILLA	.34	T	.12		T														.22			T					T					
SOLDATNA	.99	.25	.10		T			T		.04	T		.24	T	T			.16				.08					T					
SOUTH FORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.12	-	-	
SUMMIT NIKE SITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TALKEETNA FAA AIRPORT	1.14	.01	.14		.05	.02		T	T	T		T	.10	.15	.12	T	.04	.15		T	.04			.11			.12	.07			T	
TUSTUMENA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VENTA	.89	.03	.14		.04					.03			T				.11	.09				.11						.14				
WASILLA 3 S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WASILLA NO 2	1.07	.06	.06		T					.10	.09				.06				.01	.03		.24	T	.18	T		.05	.09				
WILLOW TRADING POST	1.06	.12			T		T		.04	.14	.24		.15				T				.10			.12			.19				

See Reference Notes Following Station Index

Susitna R @ Gold Cr.

June - 6- 1966 58,400

43,600

15-12-398

DAILY PRECIPITATION

Continued

ALASKA
JUNE 1960

Station	Total	Day of Month																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
• • •																																
BRISTOL BAY 06																																
ALEKNAGIK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BROOKS LAKE	.84		.21												.17	.04	T		.01	.07	T		.03	.10					.09	.11	.01	
CAPE NEWENHAM	.81	T		T		T					.19	T	.02		.02	.11	.04	.13	.15			T	T	T	.16	.01	T	.01	T	.01	.01	
DILLINGHAM	1.60		.11	.19	.19	.17			.16		.19	.10	.02		.05	.06		.03					.04	.02	.07	.04	.11	.09		.07	.05	
ILIAMNA FAA	.69	.06	.03	T					.16	T	.04	T	T	T	T		T	.12	.19			T	T	T	.07			T		T	T	
INTRICATE BAY	.65	.12	.01	T		.02				.01	.01	T						.29	.04			.02	T				.19					
KING SALMON WB AP //8	.98	.20	.06	T	T			T	T	T	T	.20	.01	.08	.11	T	.08	.04	.04				T	T		T	.09	T	T	.01	T	
PORT ALSWORTH	.47	.07																	.40													
PORT HEIDEN	.10	T														.10		T			T				T							
• • •																																
WEST CENTRAL 07																																
ANIAK FAA	.63	.03	.06		T	.01	T	.01		T	.08	.01	.03	T	T	.15							.02	.01	T		.22			T	T	
BETHEL WB AIRPORT 6	.94	.05	T	T	T	.03	T				.04	.23	.02	.16	.09												.06	T	T	T	T	
CAPE ROMANZOF	.63	.16		T	T		T	T	.08		T	T	T	.05	.28	T	T	T	.02	T	T	T	T			T	.04	T	T	.02	T	
HOLY CROSS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ROSES POINT FAA	.94		.08			T	T	T		T				.01	.05	.02		T			T	T				.29	.47	T	T	.01	.01	
ROME WB AIRPORT R	.71	T	.09		T	T				T				.01	.13	.01				T		T	T	T	T	.02	T		.20	.14	.02	
NORTHEAST CAPE	.34	T	T		.02			T	T						.04	.16	T	T		.01	T		T	T	T	T	.01	.12	.01	.02	T	
NUNIVAK	.71						.09								.20		.33													.05		
UNALAKLEET FAA	.90		.12		T	T	T			.08		T		.09	.06	.17	T		T	T	T	.01	T			.03	.31	.01	T		.02	
WALES AIRPORT	.63		.12			.02		T							.02									T		.02			.10	.13	T	
• • •																																
INTERIOR BASIN 08																																
ALLAKAKET	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BETTLES FAA AIRPORT	1.37		T	T		.13		.44	.21	.03	.01	T			.26			.07						.01			T	T		T		
BIG DELTA FAA	2.35		.04	T				T		T		.77	.07	.15		T	T	.08	.04	T	T		.03	T		.01	.47	T			T	
CANYON VILLAGE	.71									.07				.04	.13		T	.04	.07				T		T	.04	T	.12	.28	T		
CENTRAL NO 2 //	1.91	.01										.15		.34	.36			.09	.34	.23				.09			.11					
CHALKYITSIK	3.00									T			.08	.08	.78	T	T	T	1.71	.10					T	.08	.13	.12				
CHENA HOT SPRINGS	1.11													.03	.05					.05	.01				.08		.28	.01				
CIRCLE HOT SPRINGS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CLEAR AIRPORT	1.15			.03			.01					.13	.18						.46				.11		.09		.05	.08				
CLEAR WATER	2.93										.10	.75	.08	.28				.15	.38	.17				.18	.02		.48					
COLLEEN RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
COLLEGE PAG OBSY	1.18												.03	.52					.30					.06			.03	.02			.02	
EIELSON FIELD	1.28		T	.04		T				T	T	T	.12	.04	.01	T	.03	T	.19	.33	T		.37	T	T		T	.11	T			.01	
FAIRBANKS WB AIRPORT R	.19			T		T					.02	T	.03	T			T	T	.36	T	T		.01	T		T	.04				.01	
FAREWELL FAA	2.71		.18		T	.01					T	.19	.09	T	.04	T		.08	.27	T	T		.11	.13	.18	.29		.13	.09		.02	.19	
FORT YUKON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GALENA	.74		.13		T		.07		.04	.05	T	T	.08	.02	T	T										.33	.02					
GILMORE CREEK	1.55				.06		.09			.17	.03			.03		.05				.50		.18		.17			.04	.35			T	
HUGHES	.08									T	.08								T							T						
LAKE MINCHUMINA FAA	1.08		.02		T	.02			.04			.12	.11	.17	T	.03	T	.05	.07		T	.04	.11	.03			.27			T		
LIVENGOOD //	.62										.08						.21			T	.03		.17			.06	.03			.04		
MANOMEN LAKE	3.14	T		.23	T	T				T	T	.08	T	.39				1.16	.39	.27			T	.20	T		.15	.19			T	
MARLEY HOT SPRINGS	.37													.03	.03	.04		.04					T	.05			.14					
MC GRATH WB AIRPORT R	.86	.02	.01			T	.14	T	.01		T	.36	.04	.04	.03					.01		T	T	T			.18					
MC KINLEY PARK	2.36		.06								.07	.08	.07	.19		.08			.95		T	.09					.58	.24				
NENANA FAA	.98		T	T					T	T		.17	.26				T	.03	.19				.03	T			.30					
NORTHWAY FAA AP	1.31	T		.44				T		T		.19	.28	T	T		.06	.07		.34	T		.02				.02	.01		T		
RAMPART NO 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.09	.12	.05	.55								.10						
SUMMIT FAA	1.47		.01	T							T	.13	.25				T	.09	.39			T	T	.20		T	.44					
TANANA FAA	1.09			T		.09	T	T			T	.10	.01	.26	.06			.53					T			.01	.02			.01		
THE GRACIOUS HOUSE	2.23			.02			T				.01	.71	.15	.18	.09	T	T	.29	.76				.01		.08	.02		.27	.18		.04		
TOK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TANA CAMP	2.22			.07										.07	T	T			.37	.64	.32	.36		.07	.16		.22	.24				
UNIVERSITY EXP STATION	1.34			T		T						.03	.51	.04			T	T	.46		.01	.02	.03	.04			.08				.04	
VENETIE //	.16															.02										.11						
WILD LAKE NO 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
• • •																																
ARCTIC DRAINAGE 09																																
BARROW WB AIRPORT //6	.37							T		T	.03	T	.01			T	T		T	T			T		.02	T	T	T	T	.30	.01	T	
BARTER ISLAND WB AP 6	.72						.02	T		T			.03	.01				T		T				T	.66	T		T				
KOBUK	.81		.08	.04				.04			.11				.21	.22										.09	T					
KOTZEBUE WB AIRPORT //6	.18		.01			T		T		T	.02				T	T			T						.06					.06	.01	T	
WAINWRIGHT	-																															

EVAPORATION AND WIND

Station		Day Of Month																														Total or Avg.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
• • •																																	
COOK INLET 05																																	
MATANUSKA AGR EXP STA	EVAP	.10	.05	.17	.11	.15	.21	.08	.18	.18	.18	.07	.08	.15	.21	.18	.12	.16	.11	.13	.17	.07	-	-	.14	.05	*	.35	.19	.13	.09		4.088
	WIND	20	17	47	34	51	*	71	48	35	46	28	28	57	67	48	33	57	62	35	34	48	33	6	-	-	-	-	-	-	-		11808
• • •																																	
INTERIOR BASIN 08																																	
CANYON VILLAGE	EVAP	-	-	-	-	.23	.23	.26	.27	.19	.23	.28	.25	.17	.10	.19	.14	.19	.02	.18	.23	.24	.19	.20	.24	.12	.07	.14	.18	.21	.24		5.768
	WIND	-	-	-	-	15	29	47	28	26	18	17	22	32	19	19	23	35	13	23	33	13	18	24	46	45	24	15	7	13	22		7228
	MAX	-	-	-	-	78	79	80	86	83	87	87	80	82	81	83	83	85	84	76	85	81	84	82	81	79	76	86	79	83	83		82.0
	MIN	-	-	-	-	50	56	51	52	53	59	64	57	61	60	58	60	57	59	56	49	49	59	60	56	54	49	47	56	57	57		55.3
CENTRAL NO 2	EVAP	-	-	-	-	-	-	.07	.12	.24	.19	.18	.07	.06	.23	.09	.16	.05	.09	.14	.18	.15	.12	.17	.22	.21	.02	.13	.19	.14			4.208
	MAX	-	-	-	-	-	-	-	-	-	-	-	81	77	69	77	75	81	74	73	75	81	82	76	76	74	77	68	73	82	73		-
	MIN	-	-	-	-	-	-	-	-	-	-	-	64	64	62	63	55	59	62	58	58	57	61	60	62	62	55	56	56	67	61		-
RAMPART NO 2	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.11	.18	.17	.19	.17	.20	.10	.12	.20	.25	.22	.10	.10	.10	.25	.12		-
	WIND	-	-	-	-	-	-	-	-	-	-	-	8	8	27	14	26	20	32	37	18	5	25	25	36	46	44	7	5	11	13		-
	MAX	-	-	-	-	-	-	-	-	-	-	-	66	65	-	-	70	67	75	73	71	74	72	77	86	54	65	73	75	72	76		-
	MIN	-	-	-	-	-	-	-	-	-	-	-	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
UNIVERSITY EXP STATION	EVAP	.20	.23	.14	.21	.22	.18	.28	.27	.11	.24	.19	.18	.09	.13	.20	.21	.15	.16	.23	.15	.17	.19	.21	.25	.21	.08	.14	.17	.19	.17		5.55
	WIND	51	50	29	37	39	38	42	35	42	39	34	26	18	21	22	29	29	43	38	19	30	24	24	35	30	23	17	35	28	19		944
	MAX	75	73	76	83	80	85	86	86	80	85	85	82	75	83	79	82	77	74	81	77	80	79	83	81	77	66	74	84	83	86		79.9
	MIN	43	47	54	49	52	51	53	54	54	52	56	58	60	52	56	51	53	57	53	59	53	54	56	58	58	51	51	46	52	59		53.4
VENETIE	EVAP	.09	.03	.15	.06	-	.15	.11	-	.18	.06	.04	.09	.06	.01	.06	*	.54	.04	.16	.11	.08	.16	-	-	.04	.10	*	*	.60	.15		3.548
	WIND	41	65	29	32	13	35	44	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82	80	75	76	76	77	75	58	69	73	75	73	75		-
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	57	56	56	61	56	53	50	47	52	55	62	65		-

MATANUSKA AGR EXP STA - PAN PAINTED INSIDE WITH ALUMINUM PAINT.
UNIVERSITY EXP STATION - PAN PAINTED INSIDE AND OUTSIDE WITH ALUMINUM PAINT.

15-12-399

1964
1965

15-2920. Susitna River at Gold Creek--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	9,310								44,300	33,200	18,600	14,000
2	9,240								83,400	27,200	17,400	13,000
3	8,840								68,000	26,900	21,500	11,700
4	8,660								64,500	23,600	21,300	10,300
5	9,490								75,000	22,400	21,600	11,000
6	8,330							900				
7	9,200								78,800	22,300	21,200	14,100
8	8,840	2,600	1,700	1,100	1,000	770	710		65,900	22,000	19,700	10,100
9	8,660								61,000	21,200	17,400	9,260
10	8,490								72,000	24,100	17,800	8,970
11	8,060								64,100	25,300	16,800	9,100
12	8,405								57,300	26,500	16,600	9,200
13	8,000								51,900	31,900	16,600	9,310
14	8,020								46,000	24,600	15,500	9,170
15	8,400								46,500	29,600	16,400	9,450
16	8,400								68,500	27,000	15,200	9,620
17	8,660							1,400				
18	8,200								44,600	25,100	13,900	10,000
19	8,000								43,200	24,500	14,200	10,600
20	5,700								43,900	26,600	15,900	10,600
21	5,600								46,100	25,100	16,500	9,240
22	5,200								53,800	23,100	15,700	8,720
23	5,600				930				45,100	21,500	14,200	8,040
24	5,100	1,900	1,300	1,000		660	780	4,080	36,100	19,700	14,500	8,130
25	4,700							4,180	32,800	19,100	14,900	8,750
26	4,360							4,480	29,800	17,300	15,900	8,010
27	4,000							4,750	28,600	16,000	15,000	8,250
28	3,800							5,250	33,800	14,600	14,200	8,130
29	3,500							5,480	31,100	15,500	14,200	7,800
30	3,200							11,400	30,800	16,100	12,900	7,860
31	3,100							37,100	30,600	21,400	12,000	7,440
									33,200	19,200	12,000	7,500
TOTAL	199,920	67,500	48,100	32,300	28,020	22,110	22,350	133,520	1,517.3M	711,300	509,500	287,120
MEAN	6,449	2,250	1,494	1,048	966	713	745	4,307	50,580	22,950	16,440	9,571
MAX	9,310	-	-	-	-	-	-	37,100	83,900	33,200	21,600	14,100
MIN	3,100	-	-	-	-	-	-	-	28,400	14,800	12,000	7,440
AC-FT	396,500	133,900	91,830	64,060	55,580	43,850	44,330	264,800	3,010M	1,411M	1,011M	569,500

CAL YR 1963: TOTAL 4,000,870 MEAN 10,960 MAX 49,000 MIN - AC-FT 7,936,000
WAT YR 1964: TOTAL 3,577,440 MEAN 9,774 MAX 85,900 MIN - AC-FT 7,096,000

M Expressed in thousands.
Note.--No gage-height record Oct. 12 to May 22 except for occasional days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	7,950	4,790							36,400	30,700	24,200	9,800
2	7,770	3,640							29,000	34,400	23,000	9,480
3	7,620	2,800							23,700	30,800	22,900	9,380
4	6,750	2,850						2,200	22,300	30,400	21,900	9,280
5	6,660	2,900							22,300	28,400	19,700	11,300
6	7,650	2,900										
7	9,340	2,850	1,370						17,200	27,400	17,500	21,500
8	9,620	2,800							16,600	30,400	16,600	26,900
9	9,480	2,700					1,180	4,560	22,700	25,600	16,700	30,100
10	9,450	2,800							29,000	27,400	18,300	26,500
11	8,620	2,900							26,800	27,500	22,600	23,800
12	7,860	2,800						7,000	23,300	29,100	26,300	23,200
13	7,530	2,700						8,000	21,600	31,400	26,400	21,000
14	7,380	2,650						8,400	24,900	37,700	27,500	17,700
15	6,900	2,700						8,600	23,700	35,400	28,100	16,400
16	6,510	2,800		960	860	900		9,000	22,000	31,400	31,700	16,300
17	6,150	2,900						9,200	20,000	29,800	32,600	16,700
18	5,580	3,100						9,400	18,300	28,900	33,600	17,100
19	4,820	3,300						10,000	20,400	26,900	32,800	18,300
20	4,800	3,500						11,000	19,700	28,800	27,700	19,400
21	4,600	3,300						11,300	19,200	25,000	25,100	20,100
22	4,820	3,100	1,110					13,800	25,100	28,800	21,300	20,200
23	4,420	3,000						16,000	30,000	29,900	19,400	20,800
24	4,800	2,900					1,540	17,700	24,300	27,200	15,900	21,500
25	4,240	2,800						16,600	30,000	25,200	16,400	22,200
26	4,280	2,700						19,200	29,100	23,500	16,800	22,700
27	4,200	2,600						23,600	29,200	23,000	14,600	23,600
28	4,150	2,490						28,500	32,800	22,500	12,700	24,000
29	4,100	2,000						29,600	39,900	21,800	11,900	23,100
30	3,340	1,700						36,300	38,900	21,200	10,400	20,600
31	3,000							37,900	31,200	20,700	10,000	15,800
								37,800		21,700	10,000	
TOTAL	195,030	83,970	37,530	29,760	24,080	27,900	40,800	402,600	771,600	863,100	654,600	580,540
MEAN	6,291	2,799	1,211	960	860	900	1,360	12,990	25,720	27,840	21,120	19,350
MAX	9,620	3,500	-	-	-	-	-	37,900	39,900	37,700	33,600	30,100
MIN	3,000	1,700	-	-	-	-	-	-	18,600	20,700	10,000	9,280
AC-FT	386,800	166,600	74,440	59,030	47,760	55,340	80,930	798,500	1,530M	1,712M	1,298M	1,151M

CAL YR 1964: TOTAL 3,580,250 MEAN 9,782 MAX 85,900 MIN - AC-FT 7,101,000
WAT YR 1965: TOTAL 3,711,910 MEAN 10,170 MAX 39,900 MIN - AC-FT 7,362,000

M Expressed in thousands.
Note.--No gage-height record Nov. 30 to Jan. 11.

15-12-400

DAILY PRECIPITATION

ALASKA
JUNE 1964

Station	Total	Day of Month																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
SOUTHEASTERN 01																																
ANGOON	1.67	T	.29	.21	T	.03		.29						.03	.03			T	.24	T			.20	.13	.06	.03				.08	.07
ANNETTE WB AIRPORT R	3.62	.30	.14	.02	.31	.01				T			T	.31	.01		T	.08		.02	.10	.26	1.20	.66	.20				T	T	
ANNEX CREEK	5.05		.04	.62			.05		.01						.07			T	.17	.20	.86	.39	.12		T	.70	.42		T	.84	.56
AUKE BAY	4.05		.28	.52		.17	.06	T				T		.05	.54	.84		.04	.27	.19	.02	.11	.21		.04	.55	.12	T		.60	.22
BARANOF	5.04		.26	.16	.28	.50								.30								1.00	.90	.96	1.00	.08				T	
BEAVER FALLS	5.19		.31	.37	.02	.21	T							.15	.18	T		.04	T	.05	.11	.24	1.00	.31	1.28	.52	T		.01	.07	
CAPE DECISION	1.93	.02	.02	.02	.26						.01			.04	.02			.09		.09	.28	T	.08	.76	.20				.02	.04	
CAPE SPENCER	3.26		.28	.47	.03	.23		.08	.02	.09	.04	.09		.11				.15	.30	.23	.28	.02	.12	.12		.03	.30			.14	.13
ELDRED ROCK	2.63		.35	.29		.07									.18				.12	.07		.27			.05	.15	.06		.09	.45	.40
FIVE FINGER LIGHT STA	2.36	.50	.29	T	.15	T	.10							.05	.15	T		T	.20	T	T	T	.30	.05	.25	.05	.09			.10	.12	
GUARD ISLAND	2.27	.18	.19	.04	.24													.24	.08	T	.30	.14	.37	.31	.84	.07			T	T	
GUSTAVUS FAA	3.11		.87	.08	T	.22		T			.03	.04		.21	.04			.44	.34	.01	T	.10	T			.35	.82		T	.28	.12	
HAINES TERMINAL	.34			.20											.03	.09			.06	T											
HOLLIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JUNEAU	3.85		.16	.39		.23	.02					.01			.25	.06		.03	.29	.20	.20	.26	.18		.11	.30	.10			.44	.47	
JUNEAU WB AIRPORT R	3.37		.45	.15	T	.27	T	T			T	T		.05	.20	T		.04	.46	.01	.08	.10	.06	T	.16	.32	T		.02	.61	.19	
KETCHIKAN	5.37	T	.06	.29	.06	.71					T	T		.71	.09	T		.15	.08			T	1.03	1.06	.93	.06			.10	.09		
LIACOLN ROCK LIGHT STA	3.50	.40	.39		.09						.07			.16	.49			.03		.01	.38	.06	.42	.48	.28					.08		
LINGER LONGER	.46			.38										.08																	
LITTLE PORT WALTER	5.86	.02	.23	.10	.76	.22	.19							.34	.05	.01		.26	.09	.02	.27	.01	1.38	.90	.93	.01	.02			.01		
PETERSBURG	4.89		.81	.33	T	.11	.11							.03	.73	.41		T	.39	.22	.23	.28	.28	.20	.22	.05	.04		.19	.16	.10	
POINT RETREAT LGHT STA	2.62		.42	.12	T	.18								T				.18	.12			T	T		T	.46	T			.69	.46	
PORT ALEXANDER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SITKA FAA	2.84	T	.49	.04	.07	T	.07	T	T		T			.16	.49			T	.34	T	.12	.08	T	.08	.04	.07	T		.19	.75	.32	
SITKA MAGNETIC	2.96	T	.39	.19		.08	T	.06			T			T	.17	T			.05	.23	T	.15	.04	.09	.05	.04	.06	T	.13	.46	.23	
SKAGWAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TREE POINT LIGHT STA	3.74	T	.62	.05	.07	.22						T		.15	.08			.15	.05	.05	.05	.08	.16	.90	.48	.61			.02			
WRANGELL	4.04		.71	.37	T	.05	.04				.03	.03		.04	.22	.09			.18	.18	.42	.46	.37	.32	.29		.01			.09	.10	.12	
SOUTH COAST 02																																
ALITAK BAY	.68				T				T								T	T							.15			.16	T	.28	
CAPE HINCHINBROOK	6.42			.38	.19	.11				.60	.29				.18	.89			.20	.60		.04			.20	.30	.48		.30	.90	1.60	
CAPE ST ELIAS	5.38		.04		.22	.05			.67											.29	.56				.10	.09		.87	.65	1.88	
COCPER LAKE PROJECT	1.33			T	T					.05	.14	T				T	T	T		.31	.14	.01					.21		.12	.21	.14	
CORDOVA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.12	.15	.01	.05			.04	.06		.32	.24	2.49	4.05	
CORDOVA WB AIRPORT //R	7.30		T	.17	.01	.15			T	.32	.13				.11	T		T	.19	.48	.02	.21	.01	T	.30	.36	.34			.66	1.42	2.06	
KARLUK LAKE NO 2	.45			.05	T				.11						T	T	.10	.02	.02	.03			T						.03	.39	T	
KARLUK RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
KITOI BAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.05						T			.05			
KODIAK WAS	4.99			.15	.33	.16			.22	.11		T	.11	1.01	.16	.87	.93	.08	.02	T						.02			.11	.04	.19	
LARSEN BAY	.51			.02	T	.01				.09							.11	.01	.01	.23	T					.01			.01	.01		
SEWARD	2.04			.03		.03				.21	.04				.01	T	.01	.04		.29	.01					.15	.24		.14	.37	.47	
SITKINAK	2.02			.13						.10	.02		.04				.09			.01					.02	.07			.33	.48	.40	
UGANIK BAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VALDEZ AIRPORT	4.48			.12	.02	.04	.02			.29	.50	.04			.21					.95	T	T	T	T	.30	.63	.35	T	.05	.35	.81	
WHITTIER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
YAKATAGA FAA	6.47		.06	.25		.46				.36	.25				.03			.02	.45	.55	.01	T			.12	.26	.34	.04	T	1.01	2.04	
YAKUTAT WB AIRPORT R	9.05		.85	.12	.02	.24			T	.19	.15	T		.19	.09	T	.03	.07	.48	1.28	.32	.04			.05	.35	.48	.05	.15	1.26	2.69	
SOUTHWESTERN ISLANDS 03																																
ADAK	2.30	.03		.06	.12	T	T	.14	T	.01	T	T	T	T	T	T	T	T	T	T	T	T	T	1.41	.01	T	T	.06	.54	.03	.09	
ATTU	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CAPE SABICHEF LGHT STA	.17	.01			T	T				.01			T					.04					.01	T	T	T			.05			
COLD BAY WB AP R	1.83			T	.05			T	T	.06	.69	.29	T		T		T	.04	.11	.01	T	T	.05	T	.11	T			.04	T	.20	T	
ST PAUL ISLAND WB AP R	.68			T			T	T	.01	.01		.09					T	T	T	T	T	T	T	T	.21	T	.27	.04	T	.02	.03	
SHEMYA WB AP 6	2.02	T	T	T	T		T	T	T	T	T	T	.02	.01	.01	T	.02	T	T	T	.01	.05	.74	.41	.03	T	T	T	T	.63	.09	
UMNAK	4.13								.07	.22	.15	.06	.04	.18		.02	.01	1.03	.02						.41	.02		.03		1.13	.14	
COPPER RIVER 04																																
CHITINA	1.31					T	.18					.83										.04	.45	.06	.03	.34	.05				.13	
COPPER VALLEY SCHOOL	1.04	.04	T	.05			.04			.08	.09	T			.02	.83				.15	T	.05	.20		.22	.05	.02	T	T	T	
EKLUTNA LAKE	1.51			.05							.25								.23	.36						.52				.18	
EUREKA	3.97	T		.10	.04	.10	.52			T	T			.06	.29	.91	.10		.02	.43	.07	.02	.16	.02	.05	.48	.16	.24	.02	.87	.02	
GULKANA FAA	2.02			.18	.17	T	T		T	.20	.21	T		T	.02	T			T	.22		.04	T	T	.21	.59		.10	T		.06	
KENNEY LAKE	.31																					.04	T		.10	.12					.09	
MAY CREEK	2.36			.11	T	.29	T			.16	.04				.16					.10		.22	.10	.19	.14	.51	.29	.03	T	.08	T	
MILE 47 CAMP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	
PAXSON	3.21			.08	.12					.47	.12					.10			.17	.73						.35	.61	.09	.17		.17	.19	
SHEEP MOUNTAIN	2.59	T					T									1.03			.04	.77	.15				.01	.35	.05	.04			.03	
SLANA	4.10																					.76	.39		.39	.70	.23		.28	.28	.93	
SNOWSHOE LAKE	2.71	0	0	0	0	.39	.04	.01			.02	T			.06	0	0	0	0	0	0	1.02	0	0	0	0	0	1.15	T	.02		
THOMPSON PASS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TONSINA LODGE	.76				.18		.09			.05	.05											.07			.10	.12	.09	.17				
COOK INLET 09																																
ALPINE INN	2.80									.14	.20					.18			.05	.99			.14			.77		.04		.02	.35	
ALYESKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ANCHORAGE PARK STRIP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ANCHORAGE WB AIRPORT R	1.73			.06		T		T		.16	.07	T			T	.03		T	.04	.27	.01	.02				.53	.08	.02	.05	.30	.13	
ANCHORAGE WSO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BEAR COVE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CREEKSIDE PARK SCHOOL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EKLUTNA PROJECT	2.76			.08			T			.09	.07	.01			.03	.06			T	.00	.03	T	T			.61	.10	.04	.03	.16	.15	
ELMENDORF A F BASE	1.86			T		T			T	.16	.09				.01	T		T	.13	.22	.02	T				.38	.07	.01	.09	.26	.22	
GIRDWOOD	-			T	T					.06						T				.58											
HOMER FAA	.82			.02	.02	.03			.15	.19	T				T	.05	.03		.03	.01	T					.02	.07		.18	.02	T	
HOMER 5 NW	1.19			T	.02	.03				.30	.16			T	T	T	.08	.01	.01		.06					T	.06		.33	.11	.04	
KASILOF	1.66		T	.03		T			.10	.40	T					T		T		T	T				.10	.41	.01	.32	.27	.02	
KENAI FAA	2.23			.02		T			.04	.39	.04				T	T	T	T	T	T	.02				.26	.50	T	.39	.37		
LITTLE SUSITNA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MATANUSKA AGR EXP STA	2.46			.03		T				.08	.24				.04	.09			T	.18	.05					.63	.02	.04	.04		.36	
MENTASTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PALMER AAES	2.26		.06		.01		.08			.16	.26	.03								.77	.21	.01				.33	.26	.09		.07	.09	
PALMER 1 N	2.77	.03		.02		.16				.12	.31					.10				.96						.78		.06		.02	.25	
PUNTILLA	2.92					T				.10	.12	.06				.08				.98	.43	.06					.60	.01	.40	.09	.01	
SOLDATNA	2.15			.22						.08	.60									T	T						.60		T	.81	.04	
SOUTH FORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SUMMIT NIKE SITE	2.10		.19					.13			.29							.07		.74	.16							.07			.24	.31
TALKEETNA FAA AIRPORT	2.12			T		T	T			.04	.19				.01	.17		.12	.01	.70	.07				T	.42	T	.03	.35	.40	T	
TOLSONA CREEK	4.84							T	T	.03	.25					.25			.09	.58	.26					.31				.29	
VENTA	1.28													.19	.21	.03		T	T	T	.03					.11	.22		.19	.20	.16	
WASILLA 1 S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WILLOW TRADING POST	2.70									T	.54				.10		T	T	.40	.38						.35	T	.23	T	.60	.18	

Susitna R. @ Gold Cr.

June - 7 - 1964 85,900 c.f.s. peak

15-12-401

DAILY PRECIPITATION

Continued

ALASKA
JUNE 1964

Station	Total	Day of Month																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
• • •																																
BRISTOL BAY 06																																
ALEKAGIK	-									.15	.06	.12	T			.03		.06							-	-	-	-	-	-		
BROOKS LAKE	.06				T														.07	.50	.02						.01	T	.20	.14	T	
CAPE NEWENHAM	.09				T		T		T	.01	.09	T			T	T	T	T	T		T					.01	T	.02	T				
DILLINGHAM	.49				.03				.05	.07								.05								.03	.07	.04	.06	.05			
ILIAMNA FAA	1.35			T		T			.01	.08							T	.01	.13	.53	.06	T				.17	.19	.02	.31	.01			
IVANOF BAY	1.72			T		T			.03	.10	.05								.23	.18	.38					.08	.23	T	.42	.82			
KING SALMON AP AP	.07			T		.03			.01	.03					T		.01	.03	.12	T	T	T				.04	T	.03	.16	.01			
LAKE NERKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	
PORT ALSWORTH	2.69			T						.04	.18								.21	.15	.85		.09			.03	.32	.24	.47	.15			
PORT HEIDEN	.19																.04	T	.04	.03						T		.02					
SPARREVOHN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
• • •																																
WEST CENTRAL 07																																
ANIAK FAA	1.09			T				T	T	T	.01				.05	T	.07		.03	T	.18	.11				T	.18	.04	.42	T			
BETHEL AB AIRPORT	.76			.01						T	.02	.01			.08	.05	T	T	.04	T	.01	T	T			.07	.32	.18	T		T		
CAPE ROMANZOF	.58		.06								.01	.16			T		T		T			T	T				.01	.27	.07				
HOLY CROSS	1.51			.19											.22		.15		.11		.41	.07							.39	.06			
MOSES POINT FAA	.04										.36	T			.11	.03			.03	.05					.04	T			T				
NOME AB AIRPORT	.84										.03	T			.01	T			T	T		T	T		T				T				
NORTHEAST CAPE	.26	T	.06				.04				T	.06	.02		T		.02	.01	T			T		.01	.02								
NUNIVAK	.56											.07						.09									.11	.09	.20				
PLATINUM	.82					T		T		.05	.01	.21				.09	.01		.01	T			T	T			.09	.07	.21	.01			
TELLER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
UNALAKLEET FAA	.80	T	T							.06	.20		T		.29	.02			.20	T	T	T	T	T	.03	T			T	T			
WALES AIRPORT	.02		T							T		.02							T			T	T		T								
• • •																																
INTERIOR BASIN 08																																
ALLAKAKET	1.10										.10	T	T								.90	.10										
ARCTIC VILLAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BETTLES FAA AIRPORT	1.27										.09	.04					T	T	T	.32	.77	T	T		T					.04			
BIG DELTA FAA	.90	T		T	T		T			T	.16			T		.03			T	.02			T	.08	.39	.16	.06	T					
CANYON VILLAGE	.69															.03	.12	.09							.32								
CENTRAL AB 2	2.92					.04	.05				.91	.87	.01	T	.88		.19				.87				.30	.29	.01			.10			
CHALKITSIK	.16										.01		.01	.01		.03					.05			.01	.02								
CHENA HOT SPRINGS	2.71								.01		.09	.18	.04	.10	.61	T	.22			.06	.42	T	T	.04	.65	.24	T		.02		.05		
CIRCLE CITY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	
CIRCLE HOT SPRINGS	2.91					.06					1.41	.28	T		.04	T	.18		T	.06	.09		.06	.03	.34	.40	T		.01		.03		
COLLEEN RIVER	2.08												T	.03		T	.10	.13		.28		.90	T	.30	.63	.11	T			T			
COLLEGE MAG OBSV	1.13										.19	.29								.07	T				.31	.23	T				.04		
EAGLE	1.71										.12	.34				.25						.22	.08		.12	.42	T						
EIELSON FIELD	1.97		T	T						.02	.36	T		.01	.26	T	T		.02	.02			T	T	1.17	T			.08	.03		
FAIRBANKS AB AIRPORT	1.35	T	.34							T	.33	T		T	.01		T		T	T			.01	T	.04			T	T	T		
FARMELL FAA	2.61		T			T	T	.01		.03	.21				T	.03	.03	T	.04	1.04	.19					.33	.23	.05	.15	.06	.19		
FORT YUKON AP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GALENA	1.21									T	T				.20	.09		T	.01	T	.46	.12		T	.20			T	.13	T	T		
GILMORE CREEK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	
HUGHES	-																				.10											
LAKE CHANDALAR	1.21						.17				.03	T	.01	.05	.02			.13	.01	.15	.20	.31	T	.14								
LAKE MINCHUMINA FAA	3.10			T		T				.02	.09		T		.72	.07	T	T		.78	T		.18	T	.34	T	.01	.93	.04	.02	.35		
LIVENGOOD	1.53										.52	.15								.55	.22		.04		.05					T			
MANLEY HOT SPRINGS	1.02										.20									.09	.19				.16					.27	.11		
MC GRATH AB AIRPORT	2.44									.02	.81				.02		.01	.03	.11	.77	.49				T	.09	.35		.09	T	.25		
MC KINLEY PARK	1.47							T		T	.43			T	T	.05	T		T	.11		.06	.15	.14	.24	.08	.12	.01		.04		
NENANA FAA	1.76					.03					.21									.19												
NORTHWAY FAA AP	3.28	.06		T	T	.01	.50			T	T			T	.30	.03			T	.02	T	1.54	.14	.08	.15	.26	.10	.09		T	T		
RAMPART NO 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	
SUMMIT FAA	1.91			T		T	T		.05	.08	.22					.19			T	.29	.02	T	T		.01	.05	.02	.21	.08	.11	.18		
TANACROSS	2.65			.06			.36					.10							.26			.08	1.22		.10	.38		.07					
TANANA FAA	1.70									T	.02	T				.13			.01	.72	.08			T	.16			.01		.40	.17		
TOK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	
TRIMS CAMP	4.67	.04			.67	.06	.06			.14	.47	.08			T	.20			.34	.15	.19			.18	.44	.05	.76	.05	.03	.03	.33	.15	
UNIVERSITY EXP STATION	.44	.04									.38																					
VENETIE	.32																	.03			.13				.16							
WILD LAKE NO 2	1.01											T		.12		.01					.67	.16	T		.05							
• • •																																
ARCTIC DRAINAGE 09																																
BARROW AB AIRPORT	.36	T	T	T	T	.01			T	T	T	T	T	T				T	T	T	T	T	T	T	T	T	T		T	.39		
BARTER ISLAND AB AP	.55		T	.01	.01	T			.01	T	T	.03	.11						T	T	T	T	T	T	.16	.02				.20		
CAPE LISBURNE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	
KOTZEBUE AB AIRPORT	.14	.02			T						T	.01					T	T		T			T	.11	T							
WAINWRIGHT	.06		.01	T	T	T																T		T			T			.05		

IC-12-409

1962

15-2920. Susitna River at Gold Creek—Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	11,300								38,400	32,700	27,100	26,000
2	11,400								36,100	28,200	28,500	22,000
3	12,500								32,000	25,000	30,600	29,000
4	12,200								31,700	24,100		31,000
5	11,100								31,000	25,900		26,000
6	9,900											
7									28,700	27,200		21,000
8									27,500	27,200		19,000
9								4,500	29,800	27,400		17,000
10									31,300	28,000		15,000
									34,600	26,200		15,000
11												
12									44,700	24,900		14,400
13									50,400	25,400		16,000
14									55,800	28,300		17,000
15									73,000	25,600		14,000
		2,700	2,100	1,900	1,500	1,400	1,700		79,900	23,000		12,800
16												
17									72,800	21,700		12,500
18									65,900	20,900	23,000	12,400
19	4,600								54,800	22,600		11,900
20									46,700	23,500		11,300
									42,400	23,000		11,400
21												
22									44,200	27,200		12,100
23								18,000	51,800	30,500		12,800
24									43,800	28,200		12,100
25									35,700	25,200		11,900
									31,100	27,800		12,800
26												
27									30,000	28,900		13,400
28									31,900	26,000		13,000
29									38,000	23,700		12,000
30									44,000	23,400		11,200
31								34,800	38,200	24,600		10,700
								34,000		25,200		
TOTAL	184,400	81,000	65,100	58,900	42,000	43,400	51,000	390,300	1,298.2M	801,500	740,200	476,700
MEAN	5,916	2,700	2,100	1,900	1,500	1,400	1,700	12,590	43,270	25,850	23,550	15,440
MAX	12,500	-	-	-	-	-	-	34,800	79,900	32,700	-	31,000
MIN	-	-	-	-	-	-	-	-	27,500	20,900	-	10,700
AC-FT	365,800	160,700	129,100	116,800	83,310	86,080	101,200	774,100	2,575M	1,590M	1,468M	945,500

CAL YR 1961: TOTAL 3,860,200 MEAN 10,580 MAX 54,000 MIN - AC-FT 7,657,000
WAT YR 1962: TOTAL 4,221,700 MEAN 11,570 MAX 79,900 MIN - AC-FT 8,374,000

M Expressed in thousands.
Note.--No gage-height record Oct. 7 to May 29, Aug. 4 to Sept. 14 except for occasional days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	10,100									29,000	26,000	16,100
2	9,830									31,000	30,000	15,600
3	9,560									30,000	35,000	15,400
4	9,200									30,000	32,000	15,500
5	8,680									30,000	31,000	15,100
6	8,310											
7	8,170									33,000	30,000	14,900
8	7,870									35,000	28,000	14,800
9	7,500							3,400		37,400	25,000	14,500
10	7,000									38,000	21,000	14,600
										40,000	20,000	14,100
11	6,700											
12	6,400									42,000	21,000	14,100
13	6,600									44,000	21,000	13,800
14	6,700									41,000	20,000	13,100
15	6,800									39,000	20,000	12,700
		2,800	2,000	1,600	1,500	1,000	830			37,000	21,700	12,000
16	6,200								26,000			
17	6,100									43,000	22,400	11,400
18	6,000									47,000	22,800	11,400
19	5,900									49,000	24,400	10,900
20	5,800									32,000	25,900	10,800
										30,000	24,000	10,500
21	5,700											
22	5,600									29,000	22,300	10,400
23	5,600							31,000		28,000	21,400	10,200
24	5,500									30,000	23,300	9,790
25	5,500									38,000	23,000	9,600
										39,000	21,600	9,340
26	5,400											
27	5,400									35,000	22,800	9,478
28	5,400									31,000	23,100	9,520
29	5,100							38,200		27,000	21,700	9,520
30	4,800							43,600		24,000	19,300	9,230
31	4,800							45,000		24,000	17,300	9,850
								40,000		23,600	16,500	
TOTAL	208,470	84,000	62,000	49,600	42,000	31,000	24,900	589,600	780,000	1,066.4M	733,900	369,550
MEAN	6,723	2,800	2,000	1,600	1,500	1,000	830	19,030	26,000	34,400	23,670	12,320
MAX	10,100	-	-	-	-	-	-	45,000	-	49,000	35,000	16,100
MIN	4,800	-	-	-	-	-	-	-	-	23,600	16,500	9,340
AC-FT	413,400	166,600	123,000	98,380	83,310	61,490	49,390	1,170M	1,547M	2,115M	1,456M	733,000

CAL YR 1962: TOTAL 4,244,620 MEAN 11,630 MAX 79,900 MIN - AC-FT 8,423,000
WAT YR 1963: TOTAL 4,041,570 MEAN 11,070 MAX 49,000 MIN - AC-FT 8,016,000

M Expressed in thousands.
Note.--No gage-height record Oct. 25 to Aug. 14 except for occasional days.

15-12-403

DAILY PRECIPITATION

ALASKA
JUNE 1962

Station	Total	Day of Month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
SOUTHEASTER																																
ANGOON	2.92	.02			T	.09	.16	.38	.06	.11	T			.66	.06	.03	.02	T	.04	.39	T		T	.02	.17	.23		T	.00	.16	T
ANNETTE WB AP	R 7.66	.16		.09	.11	T	5.39	.81		.83	T			.42	.02		.00	.19	.02	T				.03	.12	.38	.62		.09	.32	.11	
ANNEX CREEK	10.95	.44	.05		.78	.45	.83	1.20	1.15	.38	.15		.22	.17	1.10	1.45	.37		.12	.03					.38				.17	.05	T
BARANOF	5.76					.30	1.30	.50	.15	.09				.62	T	.06			.05	.04					1.10				1.11	.05	
BEAVER FALLS	7.66	.47				.35	.32	1.96	.03		.04	.04			.47		.11	.03	.06						1.36	.15			.50	.21	.06
CAPE DECISION	6.04			T	.12	.26	1.78	.16	.42	.03				.97	.07	.07	.02	.12				T	T	.19	1.26	.05			.87	.03	.02
CAPE SPENCER	8.99			.02	.65	1.98	1.30	.66	.97			.02		1.43	.26	.01			.05			.01	.13	.20	.57	.33	T	.10	.64	.04	
ELDRED ROCK	1.05	T	.02			.30	1.20	T		T	T					.02							T		.14			.17	T		
FIVE FINGER LGT STA	4.21	.01		.01	.03	.21	.34	.41	.06	.16	.19			.76	.05	.04			.02	.22			.03	.01	.41	.25			.05	.68	.47
GUARD ISLAND	4.24	.21		.01	.08	T	.34	.76	.06	.04	.08	.01		.66	.03		.13	.03	.09					.24	.58				.41		.90
GUSTAVUS FAA	4.06	.03	.04	T	.07	.06	.29	.31	.02	.04		T		1.16	.12	.43		T		.02		T	.03	T	.33	.30	T	.02	.37	.42	
HAINES TERMINAL	7.53	.03				T	.80	.93		.17	T	.03		.30						.02		T			.02	.93					
HOLLIS	-	-	-	-	.55		1.04	.37	.23	.10	.01	T		.26	.18	.10	.06	.10	.01	.04					.15	T			.24	.36	
JUNEAU WB AP	R 4.73	.38	T	T	.20	.28	.75	.69	.10	.08	.05	T		.84	.16	.26		T	.01	.02		T	.16	.02	.41	T		.28	.04	.06	
KETCHIKAN	10.76	.15		.10	.68		1.01	3.75	.05	.16	.13	.06		T	.95		.16	.80	.38				.18	.09	1.71	.10			.03	.49	.78
LINCOLN ROCK LIGHT STA	3.65			.16	.42	.15	.53	.31	.20		.16			.27	.22										.43		.10	.22			.30
LINGER LONGER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LITTLE PORT WALTER	13.72	.01			.01	1.70	4.88	.86	.25	.03	T			.64	.02	.08	.05	.07	.02	.06	.01			.01	2.24	.89	T		1.96	.32	.01
PETERSBURG	6.85	.16	.03	.03	.17	.22	.96	.94	.27	.06	.11	T		.24	.55	.06	.06	.02	.17	.09				.11	.05	.47	.43		T	.17	.93	.55
POINT RETREAT LIGHT STA	6.58	.12	.02		.03	.38	.86	.51	.20	.04	.01			.90	.28	.06				.02				.04	.03	.14	.42			.25	.27	
PORT ALEXANDER	9.09				.12	.30	3.67	1.29	.46	.04	T			1.09		.13			.13	T				T	T	1.10	.03		T	.57		T
SITKA FAA	7.67	.03	.19	.06	.18	.86	.39	.60	.27	.38	.05	.02		1.95	.31	.22		T	.13	.17		.01	.16	T	.61	.06		.04	.66	.25	.03
SITKA MAGNETIC	6.03	.03	.06	.12	.06	.20	.59	.67	.39	.29	.05	T	T	.10	1.73	.24	.17	T		.21	T	-	-	.11	.06	.05	.37	.02	T	.08	.55	.08
SKAGWAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TREE POINT LIGHT STA	7.52	.11			.42	.16	1.31	3.13		.02	.06	.02			.18		.38	.76	.06					.18	.51				.12	.07	.35
WRANGELL	5.89	.15	.01		.10	.16	1.20	1.50	.30	.17	.14	T		.06	.56	.02		.03	.10	.01			.03	.05	.66	.09			.34	.25	.16
SOUTH COAST																																
CAPE HINCHINBROOK	6.28	.10	T	T		1.12	1.23						.22	1.05	.28							.15	T	.51			.70	T	T	T	
CAPE ST ELIAS	10.89	.02	.01	.27	.06	1.25	.76	.17				.03	1.07	2.16		T					T	1.83	1.87	.26	T	T	.68	.69	T	T	
COOPER LAKE PROJECT	3.99		*	.40	1.03	.80	T						.02	.61	.09	T							.07	.06	.03		.61	.30	.17		
CORDOVA	10.66	.13	.06	.07	.05	3.42	2.30	.65	.01					.21	.22	.01							.12	.79				.85	.65	.05	1.05
CORDOVA WB AP	//R 7.56	.16	.03	.04	.45	1.15	1.19	.76			T	.07	.15	.67	T	.06	.01		T	T	T		1.02	.20	.11			.68	.37	.04	.02
EITOI BAY	1.90				.50		.10					.80	.25	.15												.10					
KODIAK NAS	1.66	T	T	T	.37	.06	.16		.13	.03		.09	.57	T	T	.05		T		T	T	T	T	T		T		T			
LAZY BAY	1.85	.16	.10			.42	.07	.05	.18	.24	.60	.01	.16	1.03	.01					.01	.02	.01									
SEWARD	2.84	.28	.33	.02	.04	.22	.03	T					.57	.86	.06	T						T	.02	.01			.27	.12	.09		
SHEARWATER BAY	1.51				.17	.16	.60		.19			.23	.33								@						.01				
SITKINAK	1.79	.22			.31	.24		.07	.21	.20	.02	.26	.26								T										
UGANIK BAY	.63	.02		.01	.10	.12	.03			.12			.11	.18										.01			.01				
VALDEZ	3.55	.06	.01	.01		.35	.17	.15						.71	.22	.03						.03	.26	.57			.21	.14	.33	.30
WHITTIER	10.33	.20	.67			2.15	2.26	.19					.04	1.39	.75								.30	.29	.28		1.37	.34	.16		
YAKATAGA FAA	6.61			.02	.08	1.06	1.40	.39	.01				.08	1.12	.31	T	T					.43	.83	.05		T	.27	.06	.12		T
YAKUTAT WB AP	R 13.88			.03	.09	2.87	1.39	.46	.12	T	T	T	T	3.99	.28	.15	.15					.17	2.74	.07	.02	.63	T	.27	.01		
SOUTHWESTERN ISLANDS																																
ADAK	4.07	T	.20	.26	T		.46	.36	.24	.10				T	.06	.29	.12	.67	.18	T	.01						T	.21	.07	.38	.47	.01
ATTU	3.94	.68	T				.35	1.07	.38				.09	.20	T	.20	.30	.18						.05	.03	.05	T	.34	.20	.02		
CAPE SARICHEF LGT STA	.30	T	T		.02	.01	T	.02			T																.01			.02		.22
COLD BAY WB AP	R .12	T	T	T	T	.01	T	.03	T	T	.01	.05	T	.02	T	T						T	T	T	T	T	T				T
ST PAUL ISLAND WB AP	R .93	T	.01	.01	.06	T	.07	.31	.03	.07	.04	.02	.01	.01	T									T	.01	.04	T	.16	.04	T	.02	.14
SHEMYA WB AP	2.75	T	.03	.01	T	.08	.55	.05	.01			T	1.02	.02	T	.11	.59	.03	T	T	T			T	.01	.04	T	.16	.04	T	T	T
UMNAK	1.66				.15	.06		.16	.02	.23																				.13	.93
COPPER RIVER																																
ERLUTNA LAKE	2.17	.20	.16				.10	.11					.05	.33	.05							.09					.32	.19	.30	.09	
EUREKA	5.91		.02	.15	.09		.05	.22					T	.28	.06	.10		T	T			.02	.97	.08	.03	T-	.02	.35	2.08	.61	.03
GULKANA FAA	4.07			.26			T	.02				T	T	.94	.29			T				.79	.26	.14	.23		T	.27	1.29	.20	T
[illegible]	[illegible]	[illegible]												[illegible]																	
SHEEP MOUNTAIN	5.87			.25	T			1.13						.98	.27	T	T					T	.35	.46	T			T	1.90	.18	.15
COOK INLET																																
ANCHORAGE WB AP	R 3.40	.05	.12	.04	.03	T	T	.02		T	T		1.62	.52	.02							T		T		.21	.36	.09	.32		
[illegible]	[illegible]	[illegible]												[illegible]																	
DEVILS CLUB	2.87		.19	.14	.01	.33	.10	T					.25	.94	.16								.18	.07	T		.50	.07	.28	.05	T
ERLUTNA PROJECT	3.68	T	.07	.10	.06	T	T	.68			T		.47	.83	.40	.01						.03	.14	T	.01		.29	.29	.69	.01	
ELMENDORF AF BASE	3.12	T	.10	T	.02	T	T	T		T	T		1.31	.38	.02	T						T		T		.22	.25	.22	.40		T
GIRDWOOD	2.27	T	.11	.06	.05	.23	.03	.01					.20	.46	.12							T	.18	.04	T		.39	.09	.30		
HOMER FAA	2.47	.04	.07	.10	.03	T	.02		.03	T		.12	.45	.49	.01	T										.44	.10	.36	.01		
HOMER 5 NW	3.26	.05	.05	.23	.02	.11	.20		.06			T	.91	.77	.08							T		.09		.04	.63	.04			
KASILOF	1.96	.05	.05	.16	.10		T		T				.65	.36	.13									.05	.09	T	.32	T			
KENAI FAA	2.37	.10	.09	.07	.11	T	.09		T	T	.02	.02	.94	.42	.02					T	T	T				.34	.11	.04	T		
MATANUSKA AGR EXP STA	3.73		.03	.10	.05	T	.01	.26	.04				.25	.57	.25	.02						.03	.25				.14	.71	.82	.10	.10
NINILCHIK	1.45										.45			.55	.03																
PALMER AAES	3.13		.01	.11	.08	.01		.35	.05		.02			.02	.25	.62	.03	.01					.26				.08	.40	.79	.03	.03
PALMER 1 N	3.28		.13	.13	.03			.38						.24	.61	.34	.02					.02	.20				.16	.41	.81		
PALMER 2 ESE	3.02			.16	.05			.30	.37					.28	.35	.32	.01								.25		.13		1.00		.02
PUNTILLA	1.82	T	.30	.11	.10	.08						.18		.09							T					T	.50	T	.24	.05	
SOLDATNA	2.49		.07	.12		.05		.02			T			.09	.90	.45															
SUMMIT MIKE SITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TALKEETNA 5 W	3.35	T	.57	.10	.14		T	.03			T			.10	1.04	.30								.07		.11	.99	T	T		
TALKEETNA FAA AP	3.27	.13	.47	.05	.10	T	T			T	T			.37	.83	.15	T					T			T	.40	.51	.11	T		
[illegible]	[illegible]	[illegible]												[illegible]																	
WILLOW	3.25		.90				T	T					T	1.04	.73	T							.10				.90	.09	.10		
BRISTOL BAY																																
ALEKNAGIK	1.96	.10	.06		.18		T		.19	.91	*	.18	.04	.21	.02										.05	.19	.03				
BROOKS LAKE	2.36	.03	.26	.06	*	.19		.08	.05	.02	T	.07	.12	.30	T										*	.26	.19	.39	.48			
CAPE NEWENHAM	2.62	.01	.17	T	T	T	T	.37	.87	.45	T	.58	.11	.03	T											.03		T				
DILLINGHAM	1.30	.13	.09		.13	.10	.06		.06	.11	.07	.10	.07	.11											.11	.16						
ILIAMNA FAA	2.88	.19	.47	.06	.05	.12	.08	T	.12	.09	T	.37	.23	.24	.07										.11	.32	.20	.02	T			
INTRICATE BAY	2.61	.08	.09	.27	.18	.05	.07		.07	T	T		.26	.26	.29				.01	.03					.10	.25	.26	.23	T			
KING SALMON WB AP	//R 1.66	.18	.29	T	.01	.09	.16	.02	.13	T	T	.10	T	.23	.01							T		T	.29	.25	.49					
PORT ALSWORTH	2.20	T		.34	.01	.12						T	.29	.32	.09																
PORT HEIDEN	1.41	.06	.60		.16	T	T	.04	.02						.02								.03			.16	.04	.28			
SPARREVOHN	3.68	.03	.20	.07	.05	.01	.09		.07	T		.02	.29	1.43	.67							T			.29	.25	.61	T				
WEST CENTRAL																																
ANIAK FAA	.58	.13	.11	.01	T	T	T	T	.02	.06	.01	.05	T	.03										T		.02	.14	T	T			
BETHEL WB AP	6 .76	.01	.06	T	T		T	.05	.10	.07	T	.17	.15	.01	T									T		.05	.03	.06	T			
CAPE ROMANZOF	1.23	.06	.18	T	.01	T	.01	.58	.19	.08	T	.26	.04	-										T	T	T	.02	T				
HOLY CROSS	1.08	.48	.27						.16	.08			.11	.06																		
MOSES POINT FAA	1.59	.17	.03	.01	.01		T	T	T	.07	.15	.42	.13	.02								T	T	.15	.42	T	.09				
MOUNTAIN VILLAGE	-	.38	.03		.02	T	T	.09	.14	.15			.26		-	-	-	-	-	-	-	T	T	.05	T	T	T		T		
ROME WB AP	R .43	.03	T				.01	.01	.02	.16	.01	.01	.15									T		T	T	T	T				
NORTHEAST CAPE	-	T	.03	T	T		.13	T	T	T	T	.06	.24	T												.32					
NUNIVAK	.72	T			T	T				.51			.19												.04	.21					
PLATINUM	2.23	.06	T	.40		T			.50	.90	T	.02	.18													T					
TELLER	.02						T					.01													.01						
UNALAKLEET FAA	1.99	.27	.19	.02	T	.42	.01	T	T	.04	.26	.24	.15	.06			T					T	T	.30	.03						
WALES AP	1.00	.14	.07	T	T		.01		T	.03	.04	.17	.13						T			T		.10	.10	.21					

Susitna R. @ Gold Cr.

June - 15 - 1962 79,900 c.f.s peak

15-12-404

DAILY PRECIPITATION

Continued

Station	Total	Day of Month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
INTERIOR BASIN																																
ALLAKAKET	.66	.08	.05	.06				T	.05													.22				.15			.03		
BETTLES FAA AP	.07	T	T	T				T			T			T			T					.09	T	T	T	.02	T				
BIG DELTA FAA	4.41			.05	.26	T	T	T				.08		.31	.94	.11						.71	.69		T							
CIRCLE CITY	2.66			.03	.50	.72	.13	.16														.77	.26		.09		.07	.05	.34	T		
CIRCLE HOT SPRINGS	2.42	.01		.06	.27	.40	.01	.11	.01			.32										.27	.51	.72	T	.35	.25	.07	.01			
COLLEGE WAG OBS	2.20			T	.02	.03	.01								T	1.23	T						.66			.16	.21		.15	.33		
EIELSON FIELD	2.71		T	T	.22	.02	.12	.06				T		.05	.11	T						1.29	.27		.19	.95		.03	.40			
FAIRBANKS WB AP B	2.22		T	T	.09	.01								.03	1.27							.58	T			.12		.12	T	T		
FAREWELL FAA	6.10	.08	.45	.19	.13	T	.25			T	T		T	.90	.45	T						.56	.18		.01	.45	.08	.09	T			
FORT YUKON FAA	.72				.04	.14	.16								.04						T	.35	T			T	.02	T	T			
HUGHES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T	.02										
LAKE MINCHUMINA FAA	2.27	T	.13	.39	.13	.02	.01	.01			T		.09	.52	.15			T			.41	.32	T		.07	.02	.09	.32				
MANLEY HOT SPRINGS	2.58		.20		T	T		.33	.67					T	.35							.62				T					
MC GRATH WB AP A	1.46	.16	.12	.06	.05	T	T		T	T		T	.14	.29	T							.07	T		.07	.03	.49	.03		T	
MC KINLEY PARK	4.71				T	.01								.24	.49	1.33					T	.90	.97	.09	.97	.03	T	.46		.31	
NORTHWAY FAA AP	3.07		.26											.63	.24																
SUMMIT FAA	2.25	T	T	.01	T	.82		T	T		T	T		.18	.39	.07	.01	.09			T	.67	.06	T	T			.64	.19	.27	.30	
TANACROSS	5.17			.12			.02						.01	.41	.48	.50					T	.23	T	T	T	.27	.02	.86	.12	.01	.11	
TANANA FAA	1.09	T	T		.10		T	.02	T					.02	.90	.69		.19				.69	T					.10	.40	.16	T	
TOK	3.83	.18		.26										.10								.41			.17	.15	.05	.85				
TRIMS CAMP	9.45	T	T		.02	.01	.02	.47							.75	.32		.89				.10	.73					.10	.20	.33		
UNIVERSITY EXP STA	4.34		T	T	.02										.84	1.47	.12					.75	1.35	.95	T	.15	.26	.17	1.52	1.41	.83	
														.63	.24																	
ARCTIC DRAINAGE																																
BARROW WB AP //B	.17	T	T	.04	T		.02	T	T							.02	.01		.02	.04	T	T	T			.02	T	T	T		T	
BARTER ISLAND WB AP B	.13	T			T	.02	T		.03								T	T	T	.06	T	.01	T			T	T	T		.01		
CAPE LISBURNE	.03	T	T	T		.03	.01	T			T	T	T	T					.01	T	T	T							T	.01		
CAPE THOMPSON	-	.03		.02			.02	.02		.04		.02	-						.24			-										
KOTZEBUE WB AP //A	1.06	T	T	T	.01		.02	.03		.01	.01	.20	.09	.02					T	T		T										
WAINWRIGHT	.31		.01	.03			.03						T	.09		T			.03	.01		.20	T		.04	.33	.15					

SUPPLEMENTAL DATA

Station	Wind direction: Prevailing	Wind direction: Percent of time from prevailing	Wind speed m.p.h.: Average	Wind speed m.p.h.: Fastest mile	Wind speed m.p.h.: Direction of fastest mile	Wind speed m.p.h.: Date of fastest mile	Relative humidity averages - percent: 2100 A.M. 150TH M.T.	0100 A.M. 150TH M.T.	2100 P.M. 150TH M.T.	0100 P.M. 150TH M.T.	Number of days with precipitation: Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over	Total	Percent of possible sunshine	Average sky cover sunrise to sunset
ANCHORAGE WB AIRPORT	SSE	16	5.8	++17	SSE	23+	83	75	66	71	6	6	4	1	1	0	18	41	8.0
ANNETTE WB AIRPORT	SSE	17	7.1	++21	SE	6+	86	77	71	80	3	5	8	2	0	1	19	-	8.4
BARROW WB AIRPORT	NNE	11	10.8	++29	E	1	90	89	84	85	12	7	0	0	0	0	19	-	8.2
BARTER ISLAND WB AIRPORT	ENE	19	10.5	++38	W	5	90	88	87	87	11	5	0	0	0	0	16	-	8.3
BETHEL WB AIRPORT	NW	23	13.5	++29	SW	1	91	85	66	69	7	8	3	0	0	0	18	-	7.6
COLD BAY WB AIRPORT	WNW	31	16.4	++43	SSE	8	92	90	78	85	17	5	0	0	0	0	22	-	8.5
CORDOVA WB AIRPORT	ESE	12	6.1	++18	SW	9	94	82	79	88	6	6	8	2	3	0	25	-	9.0
FAIRBANKS WB AIRPORT	SW	12	7.4	++23	NE	22+	80	60	42	50	6	3	2	1	1	0	13	-	7.1
JUNEAU WB AIRPORT	ESE	17	7.4	++28	ESE	5	88	80	74	81	6	7	9	3	0	0	25	14	9.1
KING SALMON WB AIRPORT	SW	18	11.6	++28	S	9	91	81	59	71	6	6	8	0	0	0	20	-	8.0
KOTZEBUE WB AIRPORT	WNW	35	10.2	++23	WNW	21	91	89	86	86	5	9	3	0	0	0	17	-	7.9
MC GRATH WB AIRPORT	NNW	11	6.6	++23	SW	7+	78	66	54	57	8	6	5	0	0	0	19	-	7.7
NOME WB AIRPORT	WSW	17	12.2	++32	NW	24	90	86	80	83	7	7	2	0	0	0	16	52	6.9
ST PAUL ISLAND WB AIRPORT	S	18	14.2	++35	NW	22	98	97	88	91	6	12	3	0	0	0	21	-	8.6
SHEMYA WB AIRPORT	WSW	13	16.2	++47	WSW	7	98	98	95	95	12	10	2	2	1	0	27	-	9.5
YAKUTAT WB AIRPORT	SE	11	7.3	++26	SE	5	95	82	79	88	5	5	6	2	1	3	22	-	8.9

++ FASTEST OBSERVED ONE MINUTE WIND SPEED. THIS STATION IS NOT EQUIPPED WITH AUTOMATIC RECORDING WIND INSTRUMENTS.

EVAPORATION AND WIND

Station		Day of month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total or Avg
MATANUSKA AGR EXP STA (A)	EVAP	.12	.11	.11	.10	.09	.15	.09	.15	.21	.09	.16	.05	.04	.07	.08	.24	.27	.06	.35	.16	.15	.12	.21	.18	*	*	.25	.13	*	.35		4.09
	WIND	51	55	55	48	36	49	23	45	62	36	26	20	42	48	20	48	54	23	44	36	20	18	31	24	11	14	20	11	*	21		991
UNIVERSITY EXP STA (B)	EVAP	.23	.16	.13	.06	.11	.16	.17	.13	.25	.24	.25	.23	.23	.14	.18	.22	.29	.25	.23	.36	.14	.13	.17	.16	.11	.14	.07	.13	.16	.27		5.50
	WIND	53	45	38	28	36	40	40	36	47	45	34	35	47	31	31	34	26	32	23	45	59	43	39	34	20	34	14	29	35	44		1096
	MAX	68	65	62	60	63	70	68	74	78	79	83	80	76	71	76	83	84	84	84	82	78	68	67	72	72	71	68	72	76	75		73.6
	MIN	48	46	41	47	42	43	51	44	45	50	56	54	58	57	53	53	60	49	57	58	54	49	47	43	52	53	51	54	51	54		50.7

MAXIMUM AND MINIMUM IN ABOVE TABLE REFER TO EXTREMES OF TEMPERATURE OF WATER IN PAN AS RECORDED DURING THE 24 HOURS ENDING AT THE TIME OF OBSERVATION.
(A) PAN PAINTED INSIDE WITH ALUMINUM PAINT.
(B) PAN PAINTED INSIDE AND OUTSIDE WITH ALUMINUM PAINT.

15-12-405

15-2920. Susitna River at Gold Creek

Location.--Lat 62°46'10", long 149°41'30", on left bridge pier of Alaska Railroad bridge, 0.1 mile downstream from Gold Creek, 0.9 mile north of Gold Creek railroad station, and 2.0 miles downstream from Indian River.

Drainage area.--6,160 sq mi, approximately.

Records available.--August 1949 to September 1965.

Gage.--Water-stage recorder. Datum of gage is 575.50 ft above mean sea level. Prior to June 6, 1957, wire-weight gage at same site and datum. June 7, 1957, to June 2, 1964, at site 0.3 mile upstream at same datum.

Average discharge.--16 years, 10,100 cfs (7,312,000 acre-ft per year).

Extremes.--Maximum and minimum discharges for the water years 1961-65 are contained in the following table:

Water year	Maximum			Minimum		
	Date	Discharge (cfs)	Gage height (feet)	Date	Discharge (cfs)	Gage height (feet)
1961	June 23, 1961	a 54,000	-	-	-	-
1962	June 15, 1962	80,600	b 19.30	-	-	-
1963	July 18, 1963	a 49,000	-	-	-	-
1964	June 7, 1964	90,700	16.58	-	-	-
1965	June 28, 1965	43,600	12.35	-	-	-

a Maximum daily.
b From floodmarks.

1949-65: Maximum discharge, 90,700 cfs June 7, 1964 (gage height, 16.58 ft); maximum gage height observed, 24.48 ft May 10, 1954 (ice jam); minimum discharge not determined. Flood in May 1919 reached a stage of 19.2 ft, result of ice jam, from information by Bureau of Reclamation.

Remarks.--Records fair except those for periods of no gage-height record and those for winter periods, which are poor. Large diurnal fluctuation at times caused by glacier melt at the source. Records of suspended-sediment loads for the water year 1962 are published in reports of the Geological Survey.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	14,500								17,000			13,300
2	13,600								17,400			13,100
3	12,600								16,400			12,800
4	12,400								15,400			12,500
5	11,900								15,000			12,100
6	11,500							9,000		23,000		
7	11,000								16,500			11,900
8	10,400	3,300	2,900	2,400	1,800	1,920	2,500		24,500			12,300
9	10,000								22,400		26,000	12,300
10	9,500								20,600			12,000
									25,400			11,900
11	9,100											
12	8,700								29,000			14,800
13	8,200								35,000			15,300
14	7,800								37,500			15,700
15	7,500								33,000			14,800
									28,000			14,200
16	7,100							22,000				
17	6,700								29,000		17,000	13,400
18	6,400								29,000	25,000	17,000	13,200
19	6,100								30,000		17,400	13,000
20	5,900								31,000		18,000	13,300
									33,000		19,000	13,600
21	5,600											
22	5,300							18,000	42,000		19,000	14,000
23	5,100				1,700			16,000	52,000		20,000	13,100
24	4,900	2,700	2,500	2,500		2,100	2,800	17,700	54,000		22,000	15,600
25	4,700							16,200	50,000	30,300	24,800	16,200
								23,400	36,000	26,000	24,700	15,500
26	4,500											
27	4,300							29,400	32,000	25,000	20,300	13,600
28	4,200							25,400	29,200	25,000	17,400	12,400
29	4,100							21,500	27,500	25,000	15,900	11,900
30	4,000							19,300	27,000	26,500	14,800	11,500
31	3,800							18,700	26,000	25,000	14,100	11,500
								16,600		24,000	13,800	
TOTAL	241,600	90,000	83,500	76,000	49,100	56,100	79,500	536,200	883,600	761,800	685,200	401,200
MEAN	7,794	3,000	2,694	2,452	1,754	1,810	2,650	17,300	29,450	24,570	22,100	13,370
MAX	14,500	-	-	-	-	-	-	-	54,000	-	-	16,200
MIN	3,800	-	-	-	-	-	-	-	15,000	-	-	11,500
AC-FT	479,200	178,500	165,600	150,700	97,390	111,300	157,700	1,064[b]	1,753[b]	1,511[b]	1,359[b]	795,800

CAL YR 1960: TOTAL 3,604,700 MEAN 9,849 MAX 40,100 MIN - AC-FT 7,150,000
WAT YR 1961: TOTAL 3,965,800 MEAN 10,810 MAX 54,000 MIN - AC-FT 7,868,000

b Expressed in thousands.
Note.--No gage-height record Oct. 17 to May 22, June 11 to Aug. 23 except for occasional days.

15-12-406

DAILY PRECIPITATION

Station	Total	Day of Month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
SOUTHEASTERN																																
ANGOON	-	.30	.02	.03	.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T		
ANNETTE WB AP R	5.18	.47	T	.36	.71	.82	T	.07	.10	T	.06	T	T	.23	T					.07	.12	.96	.17	.92	.19	.22	T	.09	.24			
ANNEX CREEK	8.44	2.97	.22				.36	.84		T		.36								.32	.52	2.60	.84	.32	.11							
BARANOF	10.49	.63	T	.02	1.93	2.87	1.14	.04	.03	.12	.15	.17	.85	.24	.52	.10					.24	.23	*	.50	.47	.62	.02					
BEAVER FALLS	6.51	.24	.10	.12	1.15	.73	.59	.27	T	.10	.27	.12		.04	.04					.26	.08	.71		.35	.54	.34	.27		.27	.13	.10	
CAPE DECISION	9.74	.97		.35	.35	.51	.15	.01	.02	.04	.07	.04	.12	.08	.27	.01				.09	.35	.69	.08	.31	.24	.10	.03		.02			
CAPE SPENCER	6.45	2.95	T	.03	.40	.10	T		T	.12		T	.30	T	.08	.14				T	.71	.71	.78	.53	T							
CLOVER PASS	9.49	1.22	.16			.52	.25	.04	.04					.21	.28		.16			.42	.36		.27		.34	.48			.38	.41		
FIVE FINGER LGT STA	9.45	.39	.03	.05	.71	.41	.20		.40	.30	.03		.05	.05	.25	.05				.40	.09	.17	.21	.21	.52	.08	.41			.07		
GUARD ISLAND	9.62	.93	.01	.13	.48	.79	*	.18	.05		.10	.05	.03	.18	.07					.15	.25	.08	.11	.42	.04	.11		.02	.10	.01	.05	
GUSTAVUS FAA	6.01	.25	.01	.09	.26	.17	.43	.04		.09		.10	.01	.01	.36	.11		T		.06	.11	.05	.10	.43	.42	.29	.08			.18	T	
HAINES TERMINAL	2.41	1.23	T		.23	.22			.40	.08		.05			.30					.04		.08		.20						.02	.01	
HOLLIS	6.03	.59	.06	.02	.21	.30	.20	.34	.02	T	.20	.35	.10	.14	.29	.04				T	.06	.11	.38	.68		.52	.12		.14	.05	.04	
JUNEAU	9.02	.91	.12		.14	.17	.12	.16	.05	.23		T	5.02		.36	.32	.03			.17	.12	.23	.38	.35	.34	.04	.41	.83		.14		
JUNEAU WB AP R	3.22	.61	.01	.10	.15	T	.13	.14	T	.23		T	T	T	.09	.10		T		.18	T	.61	.06	.36	.49	.45	.29		T	.06		
KETCHIKAN	7.87	.27	.25	.40	1.08	.96	.63	.34	.13	.12	.05	T	.10	.20	.12	.01				.05	.03	T		.33	1.36	.75	.08	T	.30	.17	T	
LINCOLN ROCK LIGHT STA	6.82	.70	.21	.11	.29	.45	.20	.12		.09	.03	.10		.04	.26	.06				.15	.15	.07	.09	.35	.27	.54		.27	.10		.43	
LINGER LONGER	1.78	.76			T	.52	.30	T							.20									T							
LITTLE PORT WALTER	20.08	3.30	.01	.10	1.96	1.57	.65	.03	.03	.11	.13	.81	.61	.29	.53	.61	.01			.22	1.98	3.21	.71	1.41	1.12	.52	.14	.01		.04	.01	
PETERSBURG	7.07	.76	.22	.07	.47	.26	.41	.28	.20	.24	T	.04	.03	.02	.62	.14	.02	T		.15	.14	.57	.25	.37	.44	1.03	.14	.25	.03	.06	.04	
POINT RETREAT LIGHT STA	5.11	1.03	.06		.25	.11	.35	.10	.03	.07	.16	.02	.04	.01	.20	.36				.14	.09	.27	.16	.50	.47	.17	.04			.30		
PORT ALEXANDER	11.89	3.21		.09	1.01	.88	.01	.01	.08	T	T	.38	.55	.16	.28	.37				.13	1.36	.73	.57	.68	.40	.87	.29		T	.07		
SITKA FAA	6.26	1.09		.17	.01	.37	.34	.04	T	.03	T	.13	T	T	.51	.21		T		.11	.61	1.09	.73	.14	.07	.17	.01	T	T	.48		
SITKA MAGNETIC	6.04	.98	.52		.14	.09	.41	.30	.02	.01	.03	.05	.11	T	.18	.41	.01			.04	.28	.72	.96	.18	.04	.14	.01	.83		.11	.25	
SKAGWAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TREE POINT LIGHT STA	4.32	.10	.20	.23	.21	1.01			.30	.20				.10	.10					.10	.78	.10	T	.40	.65	.20		.04	.10	.10		
WRANGELL	5.98	.62	.38	.04	.14	.07	.28	.32	.02	.20	.53	.11	.04	.01	.21	.04	.03		.01	.24	.32	.62	.26	.63	.17	.40	.10	.01	.04	.07	.03	
SOUTH COAST																																
CAPE MINCHINBROOK	7.90	.20	.90	.40	.50	1.90	.50	.30		.20		.10	.10		.10	.50				.20	1.00			1.00								
CORDOVA	11.67	.02	1.53	.76		2.07	2.89	1.67		.17	.07	.16	.18	.07	.04	.87				.76	.69	.25	.44	.07							
CORDOVA WB AP //R	7.52	.47	.58	.18	.21	1.50	1.27	.31		.21	.03	.20	.12	T	.04	.09	T			1.40	.46	.05	.39	.19	.13	T	.01	T	T			
EIELSON AFB	2.70	.17	.14	.08	.9	1.12	.28	.06	.02		T		.02	T							.08	T	T		.04	T		T	.01	.55	.33	
EDGECUMB WAS	1.62	.29	.05	T	T	.42	.32	.03	.05	.03	.08	T	.03	T						T	.01	.06	T	.01	.02	.03			.01	.62		
LARSEN BAY	-	-	-	-	-	-	-	-	-	-	-	-	1.00			.20						.21	.03						.13	.01		
LAZY BAY	-	-	-	-	-	-	.32	.02	.06	.08	.06	.07		.05	.01	.01							.01	.06	.01					.58		
SEWARD	2.27	T	.32	.12		.69	.25	.36	T	T	T	.04	.07	T							.35		T	.07	T							
SHEARWATER BAY	2.23	1.12	.15	.14	.02	.36	.06	.05	.09		.08		.04								.01	.05										
SITKINAK	.56	.17	.17	.03	T	.08	.05	.01	.02		.03			T	T		T															
VALDEZ	3.44	.02	.18	.14	T	.33	T					.38	.25	T	.02	.59				.59	.59	.08	.01		.28							
WHITTIER	13.78	.47	1.04	1.66	.21	1.04	3.26	2.55	.51	T	.40	.04	.53	.35		.04	.04				.58	.10	.15	.29			.47					
YAKATAGA FAA	7.34	1.41	.96	.30	.20	1.44	1.07			.29	T	T	.43	.02	T	T	.02		T	.39	T		.01	.02	.26		.02	T		.05	.03	
YAKUTAT WB AP R	6.29	1.95	.36	.19	.28	.65	.22			.23		T	.85		.18	.25	T		T	.11	.18	.31	.39	.39	.32	.09	.08	.05		T		
SOUTHWESTERN ISLANDS																																
ADAK	2.97	.18	.16	.16	.04	.09	.29			T	.03			.03	T	T	.10	T	T	.35	.02	T	T	T	T	T	.05	T	T	1.09	.08	
ATTU	9.15	.13	.01				.01			.01		.02		.02	.70	1.50	.04	.05	.05	.05		.01		.02					4.52	2.01		
CAPE SARICHEF LGT STA	-	T			.26		-	-	T	-	T			T		T	T	T	T	T					T	T		T	.63	.20	
COLD BAY WB AP R	.12	T	T	.01	T	T		.06	T	.01				T	T	T	.01	T	T	T	T	T	T	T	.01	T		T	.02	T	
ST PAUL ISLAND WB AP R	1.22	T	.16	.03	T		.03								.02	.02	T	.06	T	T	.05	.01	T	T	T	T	.16	.09	.11	.50	
SHEMYA WB AP	2.12	T	.01	.03	T	T	T			T	T	T	T	T	.19	.38	.06	T	.18	.01	T	.16	.01	T		.06	T	.03	1.06	.04	T	
UMNAK	2.17		.15			.05															1.62									.39		
COPPER RIVER																				.37	.35	.97	.31	.16	T	T						
CHITINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ERCUTNA LAKE	1.89									.10	.02	.28	.11	.04	.02					.11	.33	.20	.10	.39				.13				
EUREKA	5.97	.11								.03	T	.65	.52	.02	.05	.32	.02	.05		.05	1.71	.45	.78	1.00	.33	.02	.16			T		
GULKANA FAA	2.93	.13					T																									
KENNICOTT	2.93		.10	.35	.10	.17				.29	.14	.74	.10	.03							.45	.16	.80	.60								
SLANA	2.35		.08						.20			.57	.15								.58	.72										
COOK INLET																																
ANCHORAGE WB AP R	1.12		T	T			T	T		.06		.11	.28	.01	T		T				.08	.25	.06	.27	T				T	T	
ANCHORAGE 4 ESE	1.91		T		.02					.04	.03	.13	.38		.40	T				T	.17	.12	.18	.24							
BIG LAKE	1.97		T		T	T	T	T		T	.14	.22	.44	.02	T					T	.16	.47	.16	.40	T						
DEVILS CLUB	2.76	.16			.35	.37	.46				.02	.51	.09							.17	.19	.24	.14	.06							
ERCUTNA PROJECT	2.43	.01				T				.03	.03	.17	.26		.03	T	.03			.17	.52	.26	.25	.72						.15	
ELMENDORF AF BASE	1.49	T		T		T	T			.12		.26	.21	.07	T		T			T	.13	.24	.18	.28	T						
GIRDWOOD	2.38	.04	.06			.36	.62	T				.41	.14	T							.28	.05		.42							
HOMER FAA	.87	T			T	.09	.06	.13	T	.05	.05		.01	.13							.11	.01	T	.20	.03			T				
HOMER 5 NW	1.93			.39	.18	.07	.02	.07	T	.02	.08		.12	.17							.04	.03	.10	.21	.45	.02						
IRISCER	1.40					.40		.30					.26											.30								
KASILOF	.90					.03	T			.04			T								.17	.16		.30	T							
KENAI FAA	.89	.02	T		T	.09		T		.02	T	T	.11								.17	.09	T	.39	T							
MATANUSKA AGR EXP STA	2.21					T				.09		.24	.30	T	.04					.12	.27	.27	.26	.51						.11		
NIKILCHIK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
PALMER 1 N	2.09									.10		.06	.45	.02		.05				.15	.30	.10	.34	.52								
PALMER 2 ESE	1.78					T	T			T	T	.02	.36		.07	T	T			.23	.12	.21	.27	.50								
PALMER 5 NW	-																													.01		
PUNTILLA	3.60					.06	.16							1.07	.43								1.30	.04	.04	.12		.08	.10			
SELDOVIA	1.03		T	T		.11	.38	.51	.03					T	T																	
STERLING	1.22		.06		T	T				.02		T	.31								.10	.17	.10	.46	T							
TALKEETNA 5 W	2.30	T	T	.11			.05	T		.02	.28	.04	.69	.30					.23	.29	.17	.05	.27									
TALKEETNA FAA AP	1.78	.01	T	.09			.06	T		.31	.04	.12	.40	.05						.03	.12	.11	.01	.21				T	.01	.01		
VENTA	.33					.02	T		.03	T	.02									T												
WASILLA 3 S	2.09			T						T		.31	.43	.04	.08	.03				T	.07	.31	.26	.46						.12		
WILLOW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					.02	.67	.18	.04	.19							
BRISTOL BAY																																
ALEKNAGIK	.88			.11		.21	.14	.12	T		.04	.04	T			.11	.04	T						.03					.04	T	
BROOKS LAKE	1.84					.02	.16			.02	.08	.20		.56			T	T						.09	.05						.68	
CAPE NEWENHAM	1.68	.04				T	.05	T	T	T		T			T	T	.21	T	.02						T	T	T	.02	T	.04	1.28	
DILLINGHAM	.88	.03	.07			.05	.04	.06	.05		.03	.05	.04		.05	.03	.15													.14	.07	
TLIANNA FAA	2.24			T	.10	.22	T	.13	.17	T	.37		.80	.04		.01								.23	.10		T	.02	.05			
IGIRICATE BAY	1.82	.04	.01			.12	.22	.04	.09		.22		.64	.09		T	.02								.27	T		T	T			
KING SALMON WB AP //R	1.23	.15	.03	T	.15	.01	.02	T	T	T	.04	T	.52	.02	.01	.20		.02		T		T	.01	.02	.01	T	T	T	T	T	T	
LAKE NERKA	-	-	-	-	-	-	-	-	-	-	-	-	-	T	T	T	T						.40	.12				T	T	T		
PORT ALSWORTH	2.44								.25		.40		.55	.32		.01							.02	T	.72				.19			
PORT HEIDEN	.15	T		T			.04	T				.04		.03		.03	.01	T	T						T			T			
SLEETMUTE	1.69					.19		.28			.08		T			.40						.25							.49		
SPARREVOHN	2.88		.18	.08	.12	T	.25	T	.11	T	.23	.04	.59	.43	.02	.26							T		T	T	T	.34	T	.03	T	
WEST CENTRAL																																
ANIAK FAA	1.18				.02	.04	.15	T			T	T	T	T	T	.16	T	.04			.11	.23			T	T	T		.35	.07	.01	
BETHEL WB AP &	1.16	.03	.18	T		.03	.29	.04	.04			T	T	T	.04	.13	.04	T					T		.21	T	T	T	.03	T	.26	
CAPE ROMANZOF	3.14			T			.26	.29	T	T	T		T	T	.27	.09	.03	.02	T	T		T	.07	T	.02	.06	T	.02	.23	T	1.88	
HOLY CROSS	1.07		.13	T	.10	T	.13						.13				.23											.30	.09			
HOSES POINT FAA	.85	T		T		T	T	T		T					.07	.07	.02	T	T						.03	T	.20	.01	.06	.03	.36	
HOME WB AP &	2.80				T		T	.08	.16	.01					.24	.08	.08	.19	.01	T	T			.25	.38	T	.31	.23	.04	.01	.78	
NORTHEAST CAPE	.59				T		T		T	T				.02	.06	T	T	T	T	T	T	T		T	T	T	.13	T	T	T	.38	
NUNIVAK	1.08							.33	.02							.40	.03				.61							.01	.23	T	.09	
NYAC	1.73		T	.01	T	.16	.26	.42	.21	.03	.01					.21	.10	.05	.05	T		.09	T			.01	T			.12	.04	
PLATINUM	-		-				-										.25											-	-	-	
TELLER	.89			T						T					.01								T		.03					.29		
UNALAKLEET FAA	1.11		T		T	.01	.32	T	T	T	T	T			.04	.09	T	.06	T	T			T	.04	T	.04	.05	.08	T	.07	T	.33	
WALES AP	.50	.01				T	T	T		T			T		.02	T	T	T	T	T	T	T	T	.08	T		.05	.10	.02	T	.02	

Susitna R. @ Gold Cr.

June - 23. 1961 54,000 c.f.s. peak

15-12-107

DAILY PRECIPITATION

Continued

Station	Total	Day of Month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
INTERIOR BASIN																																
ALLAKAKET	-	-	-	-	-	-	-	-	-	-	T		T	.24	.28				-				T		T	.18			.05			
ANNETTUVUK PASS	1.55	.06		.02	T	.02	.05	.39	.01	.03	T		.08	T		.05					.05	.10	.08		T	.17	.18	.31	.04	T		.05	
BETTLES FAA AP	1.71			T	.02	T	.30	.45			T	.26	T	.09	.13		.01	T					T	T	T	.07	.16				T	
BIG DELTA FAA	4.82	.02	.20	T	T	T	.11		T	T	.05	.30	.04		.01	.01	.12				.28	.78	1.17	1.34	.45	.18	T	T		T	T	
CIRCLE HOT SPRINGS	2.11	.19	.02			.01	.33	T	.03	.01		.03	.81			T	.01			T		.34	.19	.11	.44	.02	T				.13	
COLLEGE MAG OBS	.85		.06		.26							T	.19	.06											.35	.02					
EAGLE	2.27	.12	T	T		T			.47			.02	T				T				.09	.04	.76	.08	.34	.34				.01	
EIELSON FIELD	.96	.01	.01	.01	.01	T	.18			T	T	.07	.03		.09	.03						T	.01	.26	.07	.09		.05		.02	.02	
FAIRBANKS WB AP	.66	.02		.38	T		T				T	.04	.03		T		T					.03	T	.12	.03	.01		T		T	T	
FAREWELL FAA	4.40	T			.49		T			.01	.08	.07	.85	.37	.05	.12	.00					.20	.57	.32	.04	.02	.09	.13	.61	.37	.01	
FORT YUKON FAA	.51	T	.01	.02	T		.15					T	.11	T									T	.22	T	T						
HUGHES	1.35							.37						.37											T	.25					.16	
LAKE MINCHUMINA FAA	2.06	T		.08	.04	T	.04			.06	.12	.30	.51	.19	.04	T	.01	T				.02	.02	.03	.03	.01	T	.01	.03	.14	.40	
MANLEY HOT SPRINGS	.87			T	.35		T	T		T	T	T	.13	T	T			.02	.03						.23	.13					.08	
MC GRATH WB AP	1.69	.18	T	T	.46		.07	T	.08	T	T	.10	.01	.25		.18	T		T			.09	.09		T	T	T	T	.18	T	T	
MT KINLEY PARK	2.89							.07			.08	.10	.20	.09	T	1.04	.03			.19	.33	.05	.13	.34		.02		.09		.24	.81	
NENANA FAA	.33	.10									.02		.15	.03																		
NORTHWAY FAA AP	2.88	.34	T		.04	T	.04				.68	.06	.11		.04	.39	.32			.16	.39	.02	.18	.01	.02	.08						
SUMMIT FAA	2.51		T	T		T	.03		T	.10	.19	.80	.38	.11						.28	.11	.05	.07	.18		T			.09	.12		
TANACROSS	-	-	-	-	-	-					.28	.04			.30	.38	.35			T	.40	.50	1.90									
TANANA FAA	1.39	T	.20	.41	.03		.19			T		.25	.02	.02	.01	.01			T			T	T				T			.06	.04	
THE GRACIOUS HOUSE	2.13		T	.05	.05	T	T	.09		.05	T	.33	.05		T					T	.50	.60	*	.45	T	T		T				
TOLK	2.72																															
TRIMS CAMP	5.16	.01	.13	.02				.14				.75	.25	.01	.04	T				.03	.35	*	1.40	2.02	.12	.01		.01			.09	
WISEMAN EXP STA	.84	.02	.04	.04			.01	T	T			.48	.06	T																		
ARCTIC DRAINAGE																																
BARROW WB AP //A	.08	T	T	T	T	T	.01	.01			T					T	T	T	T	.09	.01	T	T	T			T	T		T	T	
BARTER ISLAND WB AP A	.80	T	.01	.04	.01	T	.01			.34		T		T	T	T	T				.19	.20	T	T	Y	T	.02		T	T	T	
CAPE LISBURNE	1.26	T	T			T	T	T	T					T	.16	.01	.01	.03	.44	.01	.02	T		T		T	.02	.82	T	.02	.34	
KOTZEBUE WB AP //A	.83	T	T				.01	.38	.04						.01	T	T	.04	T	T					.81	T	.02	.84		T	.04	
WAINWRIGHT	.16	T				T		.07								.03	.01		.02		T									.03	

SUPPLEMENTAL DATA

Station	Wind direction: Prevailing	Wind direction: Percent of time from prevailing	Wind speed m.p.h.: Average	Wind speed m.p.h.: Fastest mile	Wind speed m.p.h.: Direction of fastest mile	Wind speed m.p.h.: Date of fastest mile	Relative humidity averages - percent: 2:00 A.M. 150TH M.T.	Relative humidity averages - percent: 5:00 A.M. 150TH M.T.	Relative humidity averages - percent: 2:00 P.M. 150TH M.T.	Relative humidity averages - percent: 8:00 P.M. 150TH M.T.	Number of days with precipitation: Trace	.01–.09	.10–.49	.50–.99	1.00–1.99	2.00 and over	Total	Percent of possible sunshine	Average sky cover sunrise to sunset
ANCHORAGE WB AIRPORT	SSE	25	7.2	++18	SSE	7	75	67	55	63	9	4	4	0	0	0	17	48	7.9
ANNETTE WB AIRPORT	SSE	21	9.0	++25	SE	4	82	74	69	80	7	4	10	3	0	0	24	-	9.1
BARROW WB AIRPORT	E	35	12.0	++35	SW	18	95	89	85	90	16	4	0	0	0	0	20	-	8.2
BARTER ISLAND WB AIRPORT	ENE	43	11.0	++28	E	10	89	84	83	87	14	5	3	0	0	0	22	-	8.6
BETHEL WB AIRPORT	SW	17	13.6	++32	SSE	30	91	88	71	75	9	8	4	0	0	0	21	-	8.7
COLD BAY WB AIRPORT	WNW	29	14.2	++44	SSE	30	89	85	74	82	19	6	0	0	0	0	25	-	9.3
CORDOVA WB AIRPORT	E	14	5.6	++16	W	25	94	79	75	83	5	5	11	1	3	0	25	-	8.5
FAIRBANKS WB AIRPORT	SW	15	6.9	++21	ENE	4	80	63	47	53	9	6	2	0	0	0	17	-	7.6
JUNEAU WB AIRPORT	ESE	28	9.7	++30	ESE	1	88	77	64	79	8	8	11	1	0	0	25	34	9.2
KING SALMON WB AIRPORT	SW	19	8.0	++25	S	30	93	86	67	79	13	10	3	1	0	0	27	-	9.5
KOTZEBUE WB AIRPORT	WNW	28	13.2	++32	WNW	13+	92	88	85	84	8	8	0	1	0	0	17	-	7.9
MC GRATH WB AIRPORT	SSW	12	6.9	++20	SSW	30	84	77	55	60	13	5	6	0	0	0	24	-	8.7
NOME WB AIRPORT	SE	11	11.6	++30	ESE	30	88	86	81	80	5	7	7	1	0	0	20	30	8.0
ST PAUL ISLAND WB AIRPORT	-	-	-	-	-	-	95	92	86	91	10	8	3	1	0	0	22	-	9.3
SHEMYA WB AIRPORT	SW	14	14.9	++41	S	16	98	98	95	95	14	8	4	0	1	0	27	-	9.9
YAKUTAT WB AIRPORT	ESE	13	8.7	++26	SE	1	95	81	75	86	4	4	12	2	1	0	23	-	8.7

++ FASTEST OBSERVED ONE MINUTE WIND SPEED. THIS STATION IS NOT EQUIPPED WITH AUTOMATIC RECORDING WIND INSTRUMENTS.

MONTHLY EXTREMES

Highest Temperature 89° on the 18th at Summit FAA.

Lowest Temperature 20° on the 6th at Wainwright.

Greatest Total Precipitation 20.08 inches at Little Port Walter.

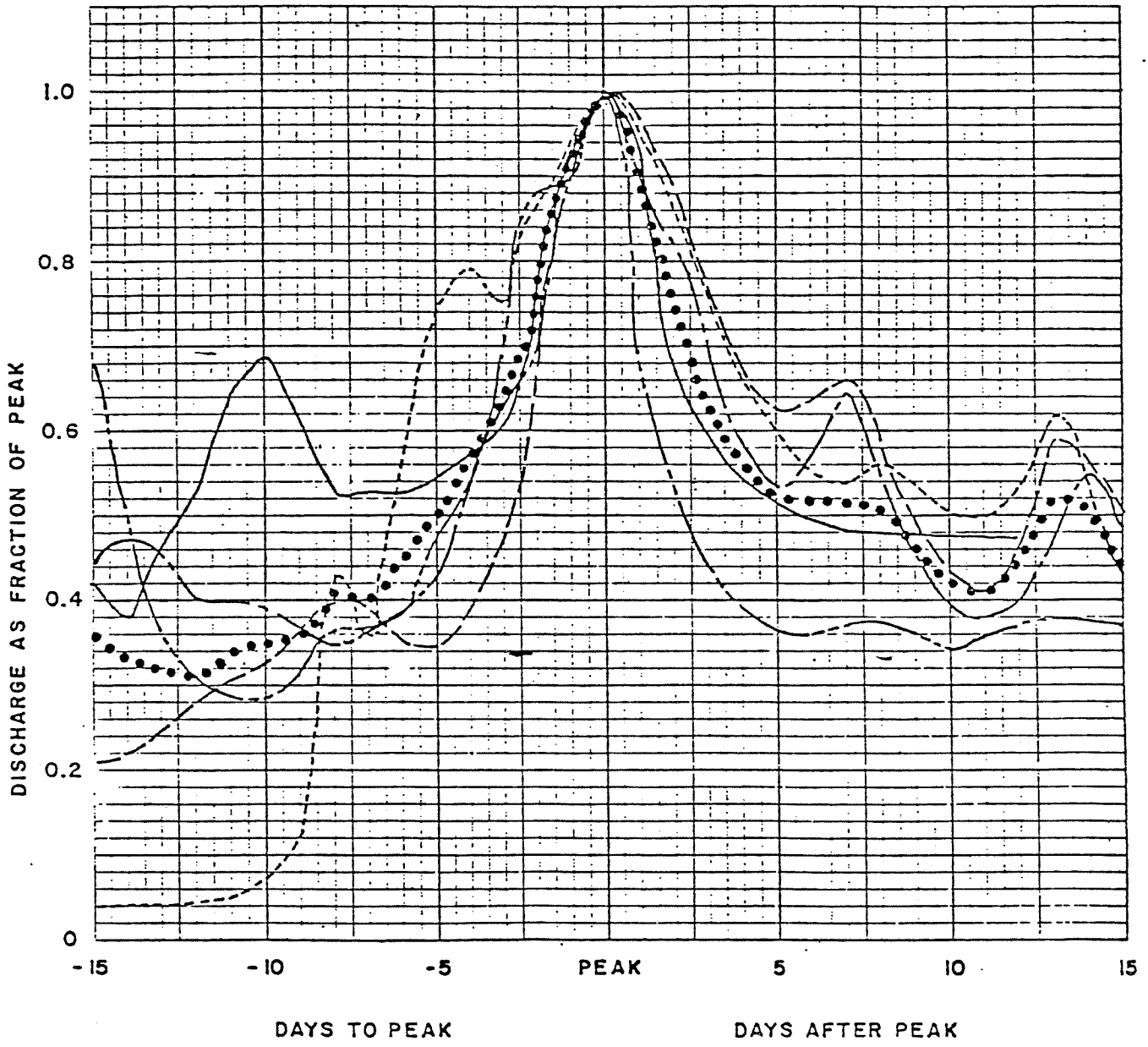
Least Total Precipitation 0.08 inch at Barrow Weather Bureau Airport.

Greatest One-day Precipitation 4.52 inches on the 28th at Attu.

Greatest Total Snowfall 0.9 inch at Sparrevohn.

Deepest Snow on Ground 7 inches on the 1st at Wainwright.

15-12-408



SUSITNA RIVER AT GOLD CREEK

LEGEND

	Date	Peak Discharge (cfs)
• • • • • • •	Median Curve	
———	June 23, 1961	54,000
——— - ———	June 15, 1962	79,900
- - - - - - - -	June 7, 1964	85,900
— — — — —	June 6, 1966	58,400
——— - - ———	June 17, 1972	70,700

ACRES

ALASKA POWER AUTHORITY

SUSITNA HYDROELECTRIC PROJECT

FLOOD STUDIES

DIMENSIONLESS HYDROGRAPHS

MAY - JULY 15-12-409

R&M CONSULTANTS, INC.

MARCH 1981

2

15292000 Susitna River at Gold Creek

LOCATION.--Lat 62°46'04", long 149°41'28", in NW¼ sec.20, T.31 N., R.2 W., near left bank under Alaska Railroad bridge, 0.1 mile downstream from Gold Creek, 0.9 mile north of Gold Creek railroad station, and 2.0 miles downstream from Indian River.

DRAINAGE AREA.--6,160 sq mi, approximately.

PERIOD OF RECORD.--August 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is 676.50 ft above mean sea level. Prior to June 6, 1957, nonrecording gage at same site and datum. June 7, 1957 to June 2, 1964, water-stage recorder at site 0.3 mile upstream at same datum.

AVERAGE DISCHARGE.--22 years, 9,797 cfs (7,098,000 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 87,400 cfs Aug. 10 (gage height, 16.36 ft); minimum daily discharge, 950 cfs Mar. 1 to Apr. 5.
Period of record: Maximum discharge, 90,700 cfs June 7, 1964 (gage height, 16.58 ft); maximum gage height observed, 24.48 ft May 10, 1954 (ice jam); minimum discharge not determined.

REMARKS.--Records good except those for the period of no gage-height record.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7,620	4,000	2,600	1,800	1,100	950	950	1,400	10,000	38,300	21,900	17,400
2	9,000	4,000	2,600	1,800	1,100	950	950	1,500	10,000	27,800	26,400	22,800
3	7,500	4,000	2,600	1,700	1,100	950	950	1,500	10,000	22,700	30,500	27,000
4	6,500	4,000	2,600	1,700	1,100	950	950	1,600	12,000	21,000	26,500	26,700
5	6,000	4,000	2,600	1,700	1,100	950	950	1,600	16,000	20,700	23,100	24,100
6	6,000	3,800	2,600	1,700	1,100	950	1,000	1,700	22,000	20,300	22,700	22,100
7	6,500	3,800	2,600	1,600	1,100	950	1,000	1,700	30,000	20,500	27,100	19,900
8	6,500	3,800	2,600	1,600	1,100	950	1,000	1,800	34,000	21,000	35,700	17,400
9	6,000	3,800	2,400	1,600	1,100	950	1,000	1,900	36,000	20,700	51,000	16,900
10	6,000	3,800	2,400	1,600	1,100	950	1,000	2,000	50,000	22,100	77,700	16,800
11	6,000	3,600	2,400	1,500	1,000	950	1,000	2,000	59,000	22,400	75,900	16,200
12	5,500	3,600	2,400	1,500	1,000	950	1,000	2,200	66,300	24,000	64,600	14,400
13	5,500	3,600	2,400	1,500	1,000	950	1,000	2,200	51,700	29,600	51,100	13,200
14	5,500	3,600	2,400	1,500	1,000	950	1,000	2,400	41,000	34,500	46,500	12,600
15	5,000	3,400	2,400	1,500	1,000	950	1,000	2,600	34,000	36,700	38,400	12,000
16	5,000	3,400	2,400	1,400	1,000	950	1,100	2,800	28,300	36,100	30,800	11,700
17	4,800	3,400	2,400	1,400	1,000	950	1,100	3,000	24,900	33,600	26,000	11,300
18	4,800	3,200	2,200	1,400	1,000	950	1,100	3,200	24,800	27,800	22,600	10,900
19	4,800	3,200	2,200	1,400	1,000	950	1,100	3,400	24,300	23,600	20,900	10,300
20	4,600	3,200	2,200	1,300	1,000	950	1,100	3,600	25,800	21,300	24,700	10,400
21	4,400	3,000	2,200	1,300	1,000	950	1,100	3,800	29,800	21,800	31,800	11,100
22	4,200	3,000	2,200	1,300	1,000	950	1,200	4,400	34,400	21,700	27,700	11,500
23	4,200	3,000	2,000	1,300	1,000	950	1,200	4,800	36,600	18,700	22,900	11,800
24	4,000	3,000	2,000	1,200	1,000	950	1,200	5,500	41,600	16,000	21,400	11,100
25	4,000	3,000	2,000	1,200	1,000	950	1,200	6,000	42,000	14,500	22,300	10,300
26	4,000	2,800	2,000	1,200	1,000	950	1,200	6,500	39,300	17,000	22,700	9,520
27	4,000	2,800	2,000	1,200	1,000	950	1,200	7,000	38,200	21,400	22,300	9,060
28	4,000	2,800	2,000	1,200	1,000	950	1,300	7,500	37,800	21,400	21,300	8,470
29	4,000	2,800	1,900	1,200	------	950	1,300	8,000	36,400	22,500	18,900	8,160
30	4,000	2,800	1,900	1,200	------	950	1,300	9,000	41,800	21,400	17,000	8,160
31	4,000	------	1,800	1,200	------	950	------	9,500	------	21,300	16,700	------
TOTAL	163,920	102,200	71,000	44,700	29,000	29,450	32,450	116,100	988,000	742,400	989,100	433,270
MEAN	5,288	3,407	2,290	1,442	1,036	950	1,082	3,745	32,930	23,950	31,910	14,440
MAX	9,000	4,000	2,600	1,800	1,100	950	1,300	9,500	66,300	38,300	77,700	27,000
MIN	4,000	2,800	1,800	1,200	1,000	950	950	1,400	10,000	14,500	16,700	8,160
AC-FT	325,100	202,700	140,800	88,660	57,520	58,410	64,360	230,300	1,960M	1,473M	1,962M	859,400

CAL YR 1970 TOTAL 2,947,860 MEAN 8,076 MAX 31,600 MIN 750 AC-FT 5,847,000
WTR YR 1971 TOTAL 3,741,590 MEAN 10,250 MAX 77,700 MIN 950 AC-FT 7,421,000

NOTE.--No gage-height record Oct. 2 to June 9.

M.--Expressed in thousands.

15-12-410

DAILY PRECIPITATION

Continued

1971

Station	Total	Day of Month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
SOLDOTNA 6 W	5.29	.02	.23		.01		.03				.21		.04					T	T	T		.01	T		.01	T			.01	.02	1.05	.89
SOUTH FORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUMMIT NIKE SITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUSITNA MEADOWS	6.26	.74	.45	T		T	.36	.36	.87	1.15	.23	.33		.69					.01	.14	.23	.04	.01		1.32	.19	.14	.06				.06
TALKEETNA WSO	7.79	.38	.42	T		.04	.78	.47	1.39	.77	1.18			.37				T	.33	.05	.41		.08	T		.82	.02	.27			T	.17
TRAPPERS CREEK CAMP	8.29	.70	.42	.25			.46	.98	1.76	.35	1.25	.73		.34	.63				.85	T	.29	.18	T	.68		1.02	.08	.22				.16
WASILLA 3 S	6.75	.18	.44	T		.24	.33	.18	1.73	.34	.14	.11		.37				.65		.07	.02			.03		.18	.05				.09
WASILLA 7 NE	8.10	.21	.46			.23	.62	.22	2.15	.78	.22			.35				T		.40	.02			.04		.37	.09				.11
WHITE'S CROSSING	9.40	.75	.29			.93	.72	.29	1.81	.70	.06	.71		.19	T					.90	.07	T		.14			.02		T	.33	.23
BRISTOL BAY 06																																
BROOKS LAKE	6.40	.33	.11	.03		.39	.46	T	.09	.83	T	.46			.37	.34	.13	.13	.32	.10	1.48		.15	.81	.39	.02	.03	T	T	.29	T	.82
BROOKS RIVER	6.09	.26	.12	T	T	.75	.38	T	T	.02	.15	.36	.14	.20	T	.48	T	.44	.13	.34	1.12	.09	T	.31	.37	T	.03		.01	.39		.80
CAPE NEWENHAM	8.71	T			.85	.77	.90	1.94	.29	.15	.29	T	.16	.34	.19	.08	.47	.22	.10	.02	.03	.21	T	.01	.01	1.84	.92	.15	.23		T	.07
ILIAMNA WSO	-	.09	.02		-	-	.85	.33	.89	.78	.79	-	-	.47		T	T	-	-	-	.29		.02		.09	-	-	.01		.02	T	.07
INTRICATE BAY	6.36	.21	.10			1.94	1.03	T	1.15	.47	.81	.23				.05	T	.08	.07	.21	.07		.05		.12			.01		.24	.12	.23
KING SALMON WSO //8	6.32	T	T		.07	.46	.15	.26	.26	.02	.10	.28	.83	.03	.01	.37	T	.85	T	T	T	.09	.01	T	T	T	T	.02	T	.02	T	.69
PORT ALSWORTH	9.85	.02				1.17	.93	.73	.35	2.23	1.94	1.83	.09		.29							.27									.17	.27
PORT HEIDEN	2.33	T	.10		T			T	.19			.13	.19			.08	.20	.46	.03	T		.03	.18	.05	.07		.11	.14	.09	.33	T	
SPARREVOHN	7.13	.28	.12			.02	.60	.75	.88	1.06	.03		.07				T	T	T	.85	.02		.11	.32	.04	.14	.02	T			.10	.11
WEST CENTRAL 07																																
AMIAK PAA AIRPORT	2.99			.23	.01	.22	.24	.30			.91	.91			T			T	.66	.39	.01	.01		.02			.12	.08				
BETHEL WSO 6	3.12	.23		T	.36	.81	.50	.16	.35	.03	.01				.01	.05	.05	.16	.01	.02	T		T	T	T	T	.36	.03	T	T		
CAPE ROMANZOF	1.99	.09		T	.04	.03	.24	.01	.36	.07	.01				.03	.01	.19	.09	.05	.06	.02	.01	.07	.04		.03	.13	.41				
CROOKED CREEK	2.27		.27				.66	.13		.32			.68					.04			.03			.12			.02				
GRAYLING	2.88	1.03					.79		.23	.27							.57															
HOLY CROSS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HOME WSC 8	.40			.07		T											.08	.17	T			T			T	T	T	.08				
KUSKOKWIM	.82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.82
RUSSIAN MISSION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ST MARYS	2.15	.05	.02		T	.27	.28		.32		T						.05	.12	.34				.36			.01	.01	.12				
TIN CITY	1.16	T	T	.01	T			T									.14	.44	.09	.11	T	.01	T		T	.04	.02	.05	.01	.01	.01	.02
UNALAKLEET WSO	1.45			.03	T	.12	.46	.04	.26	.33	T						.03	.07	.10		T	.07	T		T	.01	.04					
WALES	1.16			.07						T							.21	.39	.03	.09	.01	.02	.02		T	.01	.01	.06	.08	.02	T	T
INTERIOR BASIN 08																																
ALLAKAKET	1.84		.11		.22			.17	T	.15	.17	T						T	.65	.60	.32	.03	.02									
ANAKTUVUK PASS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	-	-	-	-	-	-	-	-
ARCTIC VILLAGE	1.00		T		.03			.15		.02	.13	T		.17	T						.29	.18	.03									
BETTLES WSO	1.63	.22	T	.14			.18		.42	.28	.09		T					T	T	.14	.31	.06		T	T	T			T		
BIG DELTA WSO	2.50	.11	.14		.22	.02	.07	.01	.04	.17	.42		T	.13					T	.31	.08	T		.14	.48	.13	.02				.03
CENTRAL NO 2 //	1.47	.09	.07	.09	.09			.02	.10	.17	.19	.07									.27	.33	.06								.01	
CHALKYITSIK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHENA HOT SPRINGS	3.29	.11	.44	.15	.30	.12		.14	.21	.37	.73	.08									.30					.23	.10					
CIRCLE HOT SPRINGS	1.69	.08	.32	.02	.18	.05	.01	.08	.17	.01	.14	.15					.01			.07	.11	.08	.03		.01	.08	.09	T			.02	
CLEAR AIRPORT	4.47	.08	.15	.06	-	-	-	.35	.43	1.03	.21									.14	1.26	.02	.02	T	.03	.04					.11	
CLEAR WATER	2.37		.29		.28	.06	.06	.57	.06	.04	.63			.58	T					.28	.03			.07	.10	.50	.07				T	
COLDFOOT CAMP	.75	.15	T	T			.08		.29					T	T				T	.11	.12			T							.19	
COLLEGE MAG OBSY	2.24	.34	.15		.20	.01		.08	.04	.37	.41	T									.36	.19			.28	T	.01					
DIETRICH CAMP	.49	.16	.09				.07	.03	.03				.01							.06						.02					
DOT LAKE	1.93				.12		.06				.31			.48						.21	.02	.14			.15	.20	.03					
EIELSON FIELD	3.23	.22	T	.07	.48	.92	.04	.10	.23	.42	.27									.36	.34	.05	T	.29	T	.13					.02	
EIELSON VISITORS CEN.	7.09	-	.43	.66	.17	.43	.11	.47	.61	.91	.46		.23	.55	.12		.55			.06	2.32	.45	.05	.01	.12	.22	.05					
FAIRBANKS WSO 8	2.32	.20	.23	.05	.11	T	.04	.06	.27	.46	.19	T								.20	.41	.01		.32		T						.60
FARMERS WSO	8.57	1.43	.83			.04	.88	.22	.24	.37	.81	.91	.04	.32	T			.02		.34	2.47	.02			.13	.06	.42					.12
FIVE MILE CAMP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FORT YUKON	1.60	T	.12		.09	T				.37	.23										.06	.19										
GALENA	1.92	.08	T	.28	T	T	.39	.17	.31	.39	.27						T	T	.03	T		T		T	T		T	T				
GILMORE CREEK	3.22	.02	.19	.04	.41	.02		.22	.07	.72	.72	.10									.33	.22			.07		.06				.07	
INDIAN MOUNTAIN	1.98	T	.01	T	.21		.11	.18	T	.39	.36	T	T							.07	.29	.01	.02	.01	T	.05	.01	T			.09	
MACLAREN RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MANOMEN LAKE	7.09	.85	.15	.10	T	T	.60	.30	.95	.60	.49			.65	.08	.03				.08	.27	T	.20	T	.32	.40	.35	T				.05
MANLEY HOT SPRINGS AP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MC GRATH WSO 8	2.07	T	.01		T	.04	.81	.24	.31	.20	T						T	T	T	.02	.01			.11	.01	.03	.01					
MT MCKINLEY PARK	4.27	.06	.03	.02	.47	.16	.20	.56	.13	.37	.39	.03		.08	.02					T	.84	.50		T	.07	.04	.18				.03	
NENANA FAA AIRPORT																																
NIKOLAI	5.10	.11	.07				1.00	.04	.47	.99	.39									.13	.32						.09	.04				
NORTH POLE	2.73	.24	T		.40	T	.01	.11	.10	.34	.37			T						.16	.46	.04		.17							.18	
NORTHWAY PAA AP	1.38	T	T	T	.02	.01	.04	.01	.04	T	.04			.19	.01					.06	.34	.32	.01	.06	.11	T	.08					
PROSPECT CREEK CAMP	1.80	.16	.07	.18	.12		T	.24	T	.33	.03			T	T					.14	.34	.19										
RIKAS LANDING 8	2.94	.03	.31	.30	.21	.07	.25	.03	.07	.30	.48			T	T						.10	.20			.48	.05	T					
SUMMIT PAA AIRPORT	2.38	.35	T		.08	.16	.31	.13	.25	.41	.23		T				T	T		.22	.25		.02	T	.04	.05	.01				.07	
TANANA WSO	2.22	.12	.08	T	.20		.18	.44	.29	.31	.15			T						T	.34	.03	T		T	T					.03	
TANANA - EVAP	2.83	.56	.08		.22			.41	.10	.36	.43	.02									.23	.27	.02		.01		.02	.07				
TATALINA	2.34	.02	.03		T	.03	.74	.34	.49	.36								.81	T	.01	.01			T	.22	.01	.06	.01		T		
THE GRACIOUS HOUSE	7.25	.82	.27			.11	.59	.41	.47	1.10	1.10		.02	.90							1.23					.56	.10			.06	.11	
THE HARRIS'S	2.34	.03	.01	.04	.38	.10	.13	.10	.08	.07	.19	.04		T	.01					.02	.03	.13	.01	T	.03	.12	.17				.03	
TOK	2.48	.04			.19						.36				.31					e	e	.58	.04	.02	.13	.54			.03			
TRIMS CAMP	8.47	.93	.03	.09	.03	.05	.09	.41	.23	.72	1.22	.45		.27	.60	.03	.02	.02	.09	.22	.10	.23	.06		.15	.12	.12	.12			.23	.09
UNIVERSITY EXP STATION																																
WEST FORK	2.57	.21	.22		.02		T	.44	.48	.53	.35	T								.04	.12			.02		.11	.01				.12	
WILD LAKE NO 2	.88		.09	.03	.01			.08				.10									.23				.01	.07	.96	T			
WONDER LAKE	4.14	.15	.33	.28	.03	.05	.03	.05	.08	.44	1.00			T						.04	1.09	.15			.10	.09					.03	
ARCTIC DRAINAGE 09																																
BARROW WSO //8	.35	T	.01	T	T		T	.02	.01	T	T						T	.02	.09	.20	T	T		T	T	T	T	T	T	T	T
BEATER ISLAND WSO 8	.62	.02	.16	.03	.02	.05		T		T	T		T	T							.02	.02	.03	T			T	.04	T	T	T	T
CAPE LISBURNE	1.12			.04	.04	T						.02					.02	.39	.23	.13	T				.03		.01	T	T		T
GALBRAITH LAKE CAMP	.01	T	T		T	.01		T		T		T						T	T							T					
HAPPY VALLEY CAMP	.79	T	.42	.05	.10	.04		.11	.02	.05		T								T									T	T	
KOBUK	.61			.12	.17	T												.09	T	.16	.03	T	T	T	.04	T					
KOTZEBUE WSO //8	.38			.18			T					T	T				.01	.04	.10		T				.01	.02	T	T	.02			

Susitna R. @ Gold Cr.

Aug. 10 - 1971 77,700 c.f.s. peak

15-12-411

DAILY PRECIPITATION

Continued

ALASKA AUGUST 1971

Station	Total	Day of Month																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
SOUTHEASTERN 01																																
ANGOON																																
ANNETTE WSO R	8.97	.24	.33	.28	.12			T						.02	.90	.19	T			.13	.48	.62	.38	.72	.05	.02	T			T	.07		.06
ANNEX CREEK	10.11		1.19	.40	T		.09	.11	T	.07			.02	.62		.36	.53	.07	.07	.71	1.52	.20	.62	.86	.72	.29	1.03	T		.30	T		.09
AUKE BAY	7.44		1.48	.62	.01	.01		1.40	.05		.01	.94		.05	.84	.23	.22	.03	.01	.29	.72	.14	.38	.18	.07	.13	.96	.01				.09
BEAVER FALLS	15.14		.71	.79	.40	.06		.35	.09					.81	.13	.31	.13	.18	.41	2.42	.67	2.93	2.83	1.20	.52	.85	.07			.14	.35		.26
CAPE DECISION	8.12	.13	.12	.12	.14		.06	.06																								
CAPE SPENCER	8.72	.08	.80	.05			1.38	.08							.09	.17	.12	.07	.79	.77	.52	.94	.19	.28	.37	.41	.17			.37	.23		.06
COFFMAN COVE										.24	T			.02		.16	.12	.28	.87	.41	.31	.47	.82	1.08	.72	.32						.04
ELDRED ROCK	4.02		.29	.32	.01			.38				.02		.03	.02	.31	.01	.10		.33	.69	.13	.11	.21	.60	.18	.14	.03		.23			.30
FIVE FINGER LIGHT STA	8.17		1.65	.07				.75						T	.03	.10	.09	.02		.33	.11	.13	.10	.21	.16	.15	.29				T		.35
GLACIER BAY	5.83	T	1.00	.22			.06		.11		.06	T		.06	.01	.17	.13	T	.13	.61	.41	.21	.26	.76	1.07		.31	.01			.17	.07	
GUSTAVUS																																
HAINES TERMINAL																																
JUNEAU NO 2	8.22		1.11	.41			T	1.22	.13	.02																						
JUNEAU WSO R	6.84	.16	1.83	.39	T	.05	.79	.29	T	.01	T	.03		.10	.39	.30	.22	T	.03	.79	.45	.19	.36	.62	.68	.25	.82					.05
JUNEAU 5 NW	8.39			2.56			T	1.10					.23	.33	.94				.01	.33	.11	.13	.10	.21	.16	.15	.29			T		.35
KETCHIKAN	13.00	.11	1.19	.21	.67			T	.10											1.04	.40	.08				1.08	.05	.54				T	
LINGER LONGER	3.00		T	.35		T								.05	.05			.43	.62	.43	.10	1.46	.38	1.65	.18	.11	.32			.33	.03		.22
LITTLE PORT WALTER	25.67		.27	.81	.09			.06		T		T						.17	1.19	.23	.11	.07	.41	.09	.03					.03		.11	.12
PELICAN	6.67		.18					.06	.12							.07	.84	.77	3.09	3.11	.63	3.34	1.83	3.93	3.17	1.83	.79			.30	.02	.42	.09
PETERSBURG	9.53	T	1.20	.37	.12	.02		.62	.05	.01				.08	.05	.09	.38	.04	.46	1.38	.68	.32	.81	.36	.96	.34	.20	.03	.03	.03		.48
POINT AGTREAT LIGHT STA	6.62		1.17	.22			.15	.62							.07	.21	.15	.03	.15	.85	.19	.47	.35	.69	.78	.16	.09					.26
SITKA FAA AIRPORT	5.02	.16	1.00	T	.01		.24	.06	T	T				T	T	.03	.08	T	.08	.17	T	.32	.49	.43	.18	.84	.17			.07	.07		.42
SITKA MAGNETIC	4.63		.80	.43	T	T		.44								.04	T	.04	.02	.21	.03	T	.73	.48	.44	.28	.37	.03			.11	.02		.42
SKAGWAY NO. 2	2.98		.70	.30				.95											.11	.44	.17	.19	.09	.27	.08		.03				.02	T	.03
TENAKEE SPRINGS	4.25	T	1.02	.08			.02	.93		.01	.02				.02	.18	.08	T	.11	.38	.02	.15	.26	.35	.23	.41	.16	.06	.01	.11	.01		
WRANGELL	7.22		.62	.16	.35			.96						.03	.01	.47	.14	.01	.27	.52	.15	.30	.42	.80	.46	.73	.59			.04	.06		.33
SOUTH COAST 02																																
CAPE HINCHINBROOK	11.04	.84	.69			.30	.29	.30	.80	.30	.60		T	.75	.20	.30	T	.80	.10	.65	T		.97	.23		T			.18	1.72	1.62	.08
CAPE ST ELIAS	11.22	3.22	.92			.06	.23	.38	.24	.07	.03	.04	.02	1.12	.62	.06		.42	.11	.55	.20		.60	.36	.01		.09		.10	.91	1.37	.03
CHIGNIK	7.36																.30															
COPPER LAKE PROJECT	3.52	.16	.18			.17	.53	.35	.47	.13	.08	.05		.03			.16	T	.02	.03	.03			.08	.02	.09	T	T				.48	.78
CORDOVA-HANLAN	12.23	2.78	.78	T		.07	.55	.12	.68	.24	.04	T	T	.98	.17	.18	.10	.27	.01	.58	.05		1.17	.23	.03		.46	.01		.72	1.19	1.29
CORDOVA FAA AP //R	10.89	2.85	.76			.08	.49	.11	1.32	.14	.09		.15	1.16	.13	.39	.01	.05	.03	.37	T		.54	.01	.01		.85		T	.39	1.21	.55
KARLUK RIVER																																
KITOI BAY	4.21	.04	T			.02	T							T		.29	.06	.37	.68	.10	.59	.06	.44	.16	T	T	.04	.01	.94	.39		T
KODIAK WAS	4.84	.04				T																										
LARSEN BAY																																
MOOSE PASS	3.40					.13	.80		.79																							
OLD HARBOR												.18																				
SEWARD																																
SITKINAK	3.72	.32	.19			.26	.46		.08																							
WHITTIER	3.84	.05						.31	.11	.01		.03	.29	.01	.01	.30	.04	.43	.08	.01			.17	.04	.15		.03	.14	T	.78	.35	.24
YAKUTAT WSO R	10.52	1.05	.31			.61	1.12	.20	1.01	.44	.03		T	.78	.09		.58	1.02	1.21	.18	.20		.94	.42	.43	.12	.28	.72		.10	.01	.01	
SOUTHWESTERN ISLANDS 03	6.34	T	.09		T	.39	T	.09	.06	T	T	T		.18	.04	.28	.03	.20	.03	1.16	.16		.66	.52	.20	.11	.03		.02	1.87	1.34	1.36
ADAK	2.25		T	T	.04	T	T	.19	.25	T	T		T	.05	.02	.03	.03	.44	.03	.04	.40	.09	T	T	.01	.51	.08	T	T	.02	.02		.09
ATTU	2.88		.10	.03	T	T		.18	.08	.03			.03	.08			.11	.45	T	.11	T										T	.68
CAPE SARICHEF	6.12					.03	1.02	.31	.13	1.75	T		.11		.42	.31	.04	.25	.06	.01	.17	.43	.07	.07	.03	.24	.06		.40		.04	.01
COLD BAY WSO R	2.54	.03	T	T	T	T	T	.07	.09	.23	.15	T	.08	.01	.09	.02	.17	.39	.03	.02	.04	.75	.13	.26	.08	.04	.24	.01	.23	T	T	T
ST PAUL ISLAND WSO R	2.78	.02		.11	.01	.06	.04	.42	T	T	T	.03	T	.04	.38	.08	.23	T	.04	T	.99	.11	T	T	T	.04	T	.13	.01	T	T	T
SHEMYA WSO 0	3.98	T	.02	.02	.01	T	.02	.02	T	T		.01	.01	.16	.07	T	.03	.23	.42	.01	1.75	.35	.01	T	T	T	T	T	T	.01	.01	.21	.04
COPPER RIVER 04																																
CHISANA	1.37	T					.18						.18		.16	.02																
EKLUTNA LAKE //	2.52						.22	.27	.80	.20	.39			.40						.03	.96			T	.15	.03	.08					T
ERNESTINE	2.08	.26	.41	.03		.01	.19	.02	.02			.03		.20	.31				T	.12	.08		.03		.07	.12						.05
GLENNALLEN	3.21	.10	.01	.10				.21	.10	.07	T			T	1.87	.08				T	.02	.92	.01	T			.01			T	.04	.12
GULKANA WSO	3.92	.23	.29				.19	.08	.09	.03	.08			1.02	.27					.02	T			.29	.22	.20	.23	.21					.06
SUNSIGHT																																
MC CARTHY	4.61	.12	.09	.02			.21	.15	.82	.92		.01		.15	.79	.33				.10	.03		.07	.01	.37	.11	.13				T	.12
MCCLUSKY LAKE	1.79	.15	.29	.04			.23	T	T			.17		.13	.41						.05				.18	.01	.05					.07
MENTASTA LAKE	4.07	.25	.17		T	T	.71	.32	.47	.44	.19			.57	T		T			.08	.12	.02	.04		.08	.05	.27	.19					.10
SLIDE MOUNTAIN	3.24		.24	.05				.20	.37	.02				.32	.39								.12	.21	.13		.02	.43	.28	.18				.02	.08
SNOWSHOE LAKE	3.13	T	.09	T			.20	.08	.26					.40	.42								.03	.43	.02		.10	.43	.41	.03	.09			.03	.14
SUMMIT LAKE												.01																				
THOMPSON PASS																																
TONSINA LODGE	1.29	.11	.22	.07			.19	.81								.48																
WILLOW LAKE	1.92	.15	.33				.26		.06			.12		.14	.33	.03							T	.09		.02	.09	.02	.03			.04	
																					.06	.01			.03	.17		.08			.07	.08
COOK INLET 05																																
ADULT CONSERVATION CMP																																
ALPINE INN	6.03	.10	.08				.35	.33	1.83	1.16	1.05	.32		.17		.09																
ALYESKA	8.25	.15	.25				.91	.33	.80	.30	.40	1.03		.08	.20			.22	.09	.11	.08					.18	.23					
ANCHORAGE PARK STRIP	2.56	.28	.14			.05	.56	.12	.99	.02	T					.15				T	T		.23	.17	.14			.06	T	.40	.11	.21
ANCHORAGE WSO R	2.59	.11	.06			.15	.62	.16	.79	.08		T		.19				T	T	.02		T				T	.81				.03	.25
ANDERSON LAKE	6.26	.12	.13				.56	.26	1.31	1.44	.48	.16	T	.05	.13												.04	.46					
BEACON PARK	2.83	.28	.12	T		.10	.54	.12	.77	.10	T		T	.36	T					.24	.04	.01		.03	T	.36				T	.04	.06
BEAR COVE	2.08	.35	.14	T		.04	.87		.05	.02	.02		T	.32	.06		.01	T	T	T						.09						
BENIS PARK MARKET	4.07	.12	.35			.03	.49	.09	1.48	.36	.04	.33		.21				T	.02	.03	.04	.08	T								.19	.14
BIRCH ROAD	4.14	.59	.38			.20	.84	.07	.84	.07	T	.03		.47	T					.16				T	T	.36	.03					
BUTTONA RIVER LODGE																		T	T	.01	.28			T		.31	.06	T		T	.16	.19
CHUGACH STATE																					.19	.07	.01		.68	.16	.10	.06				
EKLUTNA PROJECT	4.46	.23	.34	T		.03	.40	.20	1.17	.45	.29	.76		.34	.12					.02	.04				.03	.12	.02				.01	.02
ELMENDORF A F BASE	3.01	.11	.19			.10	.48	.22	1.10	T	T			.33			T	T	.04	.08			T		.02	.03	.01			.02	.13	.19
GLEN ALPS																																
GOOSE BAY MINE SITE																																
H M GROCERY LODGE																																
HOMER WSO																																
HOMER 5 NW	1.95	.08	.13			.40	.33	T	.28		T	.32	.04	.18		T	T	T	.04				T		T	.01	T		.01	.01	.39	.01
INDEPENDENCE MINE	2.24	.30	.14			.33	.19		.29		T	.33	.01	.03		.02	.01	.01	.03	T	.04		.02	.08		.27	.18	.48	.10		T	.02	T	.01	.10	.71	.23
		.23	.10			.13	.99	.70	2.03	1.77	.86				.07	.07				.28	.18	.01											.10
KASILOF	3.24	.10	.20		.30	.30	.60	.10	.30	.20	T		T	.68					T														
KESTRYNA BAY	2.17	.39	.07			.37	.35		T					.02		.09	.02	.01	.11	.05	.06		T		T	.10						.25
KENAI FAA MUNICIPAL AP	4.09	.11	.18			.98	.63	.26	.49	T	.01		.03	.44			T	T	.01	.12		.11				T	.10	.04	.04	.16	.24	.18
KENAISKA AGR EXP STA	4.92	.12	.24	.01			.38	.19	1.00	1.00	.40	.18		.02	.24					.20	.03	T				.04	.02	T		T	.35	.08
KESKEK TERMINAL	3.63		.71			.46	.94	.21	.43			T								.02	.06		.14		.01	.72	.07					.03
KNIKCHIK 5 NE																	.04		.02	.02						T	.03	T			.28	.27
KOTZEBUE ROAD EP	3.65	.23	.39			.62	.30	.38	.96		.03																					
KUKAK BAYS	4.06	.07	.20			.35	.15	.92	1.02		.69	.41			.39					.02	.31											
KUKAK 1 N	5.08	.15	.13			.03	.35	.18	2.04	.78	.34	.44		T						.11	.02					.11	.05				.05	.24
LATILLA	2.85	.19	.39			T	.04	.32	.36	.02	.08			.16	.08					.13						.22	.07					.04
														.17				.11	T	T	T		T			.39	.28					.03
LUCKIA ROCK	2.59					.37	.18		.29			.07	.03	.13		.18	.10	T	.03	.07	.02											
MENTANA //	3.67	.47	.13			.14	.01	.14	.22	.01	.02	.12		.45				.01			.04			.28	.09	.02		.02				

15-12-412

15292000 SUSITNA RIVER AT GOLD CREEK--CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1966 TO SEPTEMBER 1967

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6490	1600	1500	1500	1400	1200	1100	1700	27900	25900	27400	19100
2	7140	1600	1500	1500	1400	1200	1100	1400	26000	21700	30000	25300
3	7230	1600	1500	1500	1400	1200	1100	1900	24300	19600	28900	21800
4	7080	1600	1500	1500	1400	1200	1100	2000	24400	20500	25600	31800
5	7530	1600	1500	1500	1400	1200	1100	2200	28200	20300	24200	30900
6	6460	1600	1500	1500	1400	1200	1100	2500	31700	21400	23000	30700
7	6400	1600	1500	1500	1400	1200	1100	2900	27100	21500	21400	28600
8	5420	1600	1500	1500	1400	1200	1100	3400	22900	22100	21800	25000
9	5250	1600	1500	1500	1400	1200	1100	4500	24000	23700	23400	21900
10	4650	1600	1500	1500	1400	1200	1100	5600	32800	22800	28000	19600
11	3860	1600	1500	1500	1400	1200	1100	6400	34400	21100	32700	17400
12	4520	1600	1500	1500	1400	1200	1100	8400	32600	20500	33400	14500
13	4950	1600	1500	1500	1400	1200	1100	11400	35300	20100	40200	15600
14	4160	1600	1500	1500	1400	1200	1100	15000	37000	20000	44600	14400
15	4850	1600	1500	1500	1400	1200	1100	14000	34200	21200	76000	16300
16	4260	1600	1500	1500	1400	1200	1100	23000	32600	21300	62600	13800
17	3600	1600	1500	1500	1400	1200	1100	22000	29000	22500	57500	13200
18	3300	1600	1500	1500	1400	1200	1100	17000	28800	22200	45000	12500
19	3000	1600	1500	1500	1400	1200	1100	14000	25500	25600	37200	12400
20	3000	1600	1500	1500	1400	1200	1100	15000	29100	46200	32600	12400
21	2800	1600	1500	1500	1400	1200	1300	14000	29800	58000	30000	11800
22	2700	1600	1500	1500	1400	1200	1300	21000	29600	47200	29700	11700
23	2600	1600	1500	1500	1400	1200	1300	24300	27300	34600	29400	10400
24	2500	1600	1500	1500	1400	1200	1300	24400	25600	30400	27900	10100
25	2400	1600	1500	1500	1400	1200	1300	30700	25700	30400	26700	9700
26	2300	1600	1500	1500	1400	1200	1300	29400	24600	37600	23600	9520
27	2200	1600	1500	1500	1400	1200	1300	24400	29900	35600	22100	9360
28	2100	1600	1500	1500	1400	1200	1300	28900	30000	32000	21300	9200
29	2000	1600	1500	1500	---	1200	1300	31700	31200	27600	20000	8960
30	1900	1600	1500	1500	---	1200	1300	30000	24700	24800	19100	8660
31	1800	---	1500	1500	---	1200	---	29400	---	24600	18900	---
TOTAL	129050	48000	46500	46500	39200	37200	35000	479900	885400	830800	1011300	506020
MEAN	4162	1600	1500	1500	1400	1200	1167	15480	29513	26800	32627	16867
MAX	7530	1600	1500	1500	1400	1200	1300	31700	38800	58000	76000	31800
MIN	1800	1600	1500	1500	1400	1200	1100	1700	22900	19600	18900	8660
AC-FT	256000	95210	92230	92230	77750	73790	69420	951900	1755000	1648000	2006000	1004000

CAL YR 1966 TOTAL 3329500 MEAN 9121 MAX 58400 MIN 1300 AC-FT 6604000
WTR YR 1967 TOTAL 4094870 MEAN 11218 MAX 76000 MIN 1100 AC-FT 8122380

NOTE.--NO GAGE-HEIGHT RECORD NOV. 20 TO APR. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1967 TO SEPTEMBER 1968

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8010	2800	2100	2000	1900	1900	1900	2200	26600	27000	21700	11900
2	7680	2800	2100	2000	1900	1900	1900	2200	25200	30700	21400	11500
3	7290	2700	2100	2000	1900	1900	1900	2300	23300	32000	21800	11100
4	7050	2700	2100	2000	1900	1900	1900	2300	24800	32000	20900	10700
5	6330	2600	2100	2000	1900	1900	1900	2400	26600	30000	19500	10200
6	5900	2600	2100	2000	1900	1900	1800	2500	26600	27600	19200	10600
7	5700	2500	2100	2000	1900	1900	1800	2500	27400	26700	19300	11900
8	5780	2400	2100	2000	1900	1900	1800	2400	28400	24600	20500	13400
9	5750	2300	2100	2000	1900	1900	1800	2700	28400	27000	21200	13200
10	5700	2300	2100	2000	1900	1900	1800	2400	33600	25800	21700	12400
11	5680	2300	2100	2000	1900	1900	1800	3400	34200	25700	20100	12100
12	5750	2300	2100	2000	1900	1900	1800	4000	34100	26700	18200	11500
13	5680	2300	2100	2000	1900	1900	1400	5200	34100	27400	17800	10700
14	5580	2300	2100	2000	1900	1900	1800	7000	33500	26300	17900	9800
15	5300	2300	2100	2000	1900	1900	1800	9400	34500	30100	18600	9000
16	4920	2300	2100	2000	1900	1900	1900	12000	34800	29200	18600	8670
17	4720	2300	2100	2000	1900	1900	1900	15000	38000	26000	14500	7950
18	4360	2300	2000	2000	1900	1900	1900	18000	35600	24800	13900	7460
19	4220	2300	2000	2000	1900	1900	1900	25000	37800	23400	14200	7230
20	3900	2200	2000	2000	1900	1900	1900	31000	38800	23800	14700	6780
21	3800	2200	2000	2000	1900	1900	1900	36000	38600	23900	15200	6620
22	3700	2200	2000	2000	1900	1900	1900	39700	38600	24300	15900	6140
23	3600	2200	2000	2000	1900	1900	2000	35700	34200	23400	14400	5920
24	3500	2200	2000	2000	1900	1900	2000	32900	28100	24600	15600	5620
25	3400	2200	2000	2000	1900	1900	2000	32100	25100	25000	15800	5420
26	3300	2200	2000	1900	1900	1900	2000	29900	24100	24200	15200	5600
27	3200	2200	2000	1900	1900	1900	2100	28100	27800	26000	14400	5560
28	3100	2200	2000	1900	1900	1900	2100	29100	30800	27600	13400	5440
29	3100	2200	2000	1900	---	1900	2200	29000	28300	26000	13000	5400
30	3000	2200	2000	1900	---	1900	---	27500	---	21600	12400	5420
31	2900	---	2000	1900	---	1900	---	27100	26400	22300	13100	---
TOTAL	151900	70600	63700	61400	55100	58900	57300	501500	944500	819100	532200	244670
MEAN	4900	2353	2054	1980	1900	1900	1910	16177	31550	26422	17167	8155
MAX	8010	2800	2100	2000	1900	1900	2200	39700	38600	32000	21800	13400
MIN	2900	2200	2000	1900	1900	1900	1800	2200	23300	21600	12800	5400
AC-FT	301300	140000	126300	121800	109300	116800	113700	994700	1877000	1625000	1056000	476400

CAL YR 1967 TOTAL 4157520 MEAN 11395 MAX 76000 MIN 1100 AC-FT 8246000
WTR YR 1968 TOTAL 3582670 MEAN 9749 MAX 39700 MIN 1800 AC-FT 7106000

NOTE.--NO GAGE-HEIGHT RECORD NOV. 30 TO JAN. 11.

15-12-413

DAILY PRECIPITATION

Continued

ALASKA AUGUST 1967

Station	Total	Day of Month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
SOLDOTNA	3.80	T		T	T	T	T	T	.05	T			.10	1.25	T	.05	.98	.20	T		.06	.05	.05		T	.10	.20		T	.10	.15	.08
SOUTH FORK	-	-	-	-		-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-		T	T	.14	.45	.05		.25	.11	.02
STERLING	4.02	.20	T	T		.05	T		.07	T	.35	T	.10	.67	.61		.51	.34	T	.02	T	.09				.01				.02		.03
SUMMIT NIKE SITE	.19												.02	.04	.02			.03		.01		.02								T		
TALKEETNA FAA AIRPORT	5.88	.62	T		T	.01	T	T	T	.21	.49	.09	.27	1.48	.58	.32	.92	.35	.09	.03	.01	.14		.02	.01	T	.17			T	.05	
TTONEK	4.84	1.00	.04			.06	.14	.09	.27	.04	.02	.01		.20	.24	.02	.09	.10	.42	.02		.07			.04	.16	1.10	.28			.33	
VENTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		.43	.32		-	.42	T	.05		.04	.02	.34		.11	.01		
WASILLA 3 S	4.96	.61				T					.76	.23	.42	.38	.35		.60	.21	.05	.07	.01	.50	.27		.10	.01	.36			.10	.01	
WASILLA NO 2	4.14	.65									.08	.48	.45	.44							.01		.40	.10		.40	T	.10	.30	.10	.20	
WILLOW TRADING POST	5.47	.50						.52			.15		.80	T	.20	.80	.30			.20	.40											
BRISTOL BAY 06																																
ALEKNAGIK	4.84			.09	.10	1.75	T		.05			.50				.50	.14			T				.85	T					1.10		
BROOKS LAKE	4.74	.04			.05	T			.01	.07	.58			.34	.35		1.90		.04	.38	.42	.01		.04	T		.33	.09		.04		
BROOKS RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-			-	.10	.02			.29	.14	.15	.61		T	T	.18
CAPE NEWENHAM	4.93	T	T	.25	.79	.25	.68	T	T				.46	.07	.17	.77	.02	.02	.02		.07	.28			.23	.07	.08		.03	.07	.27	.05
DILLINGHAM	4.38	.07	.05	.02	.27	.17	.23	.04		.21		.11	.04	.39	.43	.33	.12	.11		.02	.07	.28			.23	.07	.08		.03		.07	.01
ILIAMNA WB AP	8.74	.12	.01		.18	.21	T	.05	.15	.30	.08		1.20	1.78	.01	.89	1.11	.93	.78	.02		.01	.02	T	.17	.52	.06	T		.13	T	.01
INTRICATE BAY	6.29	.10			T	.36	T	.24	T	T	.01		.12	.64	T	.80	.10	T	.11	.02	.02	.24	.29	.09	.04	.10	.02			.12	T	.01
KING SALMON WB AP //B	3.15	.03	T	T	.39		T	T	.01		.27	1.12	.08	.01			1.62	.48	1.02	.03			.12		.14	.14						
PORT ALSWORTH	5.93					.46	.12		.69	.34	.04	.36	2.48				1.00	.12		.17					.15		.07			.20		.09
PORT HEIDEN	2.35	T			.16	T	.10	T	.04			T	.15			.38	T	T	.17							.16	.08	.32	.35				
SPARREVOHN	3.80	.13			.05	.04	.04	.01	T	.31	T	.02	.84	.61	.37	.30	.29	.54	.90	.11	.60	.10	.03	.04	.01	.11	.04	.02		.02	T	T
STONY RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST CENTRAL 07																																
ANIAK FAA	1.00	.01			.01	.02		T	T			.07	.20	.02	.19	.17	T	.14	T	T	T	.02	.03	.09	.01	T	.04			T	T	T
BETHEL WB AIRPORT 6	2.01	T		.06	.01	.09	T	T	T		T	.08	.29	.02	.22	.55	.03	.04	.03	T	.07	.17	T	.02		.09	.04			T	.17	
CAPE ROMANZOF	6.67			.07	.04	.33	.08			T	T	1.36	.16	1.05	.27	1.00	.37	.42	.01							.34	.37	T			.50	.30
HOLY CROSS	1.88					.18						.15	.25	.16	.20	.35	.10	.12	.09						.09	.04	.15	.02				
MOSES POINT FAA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOME WB AIRPORT R	2.80		T		T	.04		.02	T	.04	.56	.03	T	.47	.07	.35	.01						T	T		.29	T	.02	T	T	.20	.01
NORTHEAST CAPE	2.90	.01	.01	.06	T	.06	T	T	T	.12	.01	.60	.40	.16	T	.68	.23	.06	T				T	T		T	T	T	T	T	.30	.04
NUNIVAK	1.78			.06	.09	.20	.18						.10				.27		.11			.13								T		
RUSSIAN MISSION	2.52					.28		.03	T			.04	.58	.12	.18	.44	.12	.18	.10	.04					.05	.07	.12	.11			.02	T
ST MARYS	3.62						.05					.29	1.12	.08	.20	1.13	.18	.09	.01	T					.04	.10	.15	T	T			
TIN CITY	2.56				.09				.10	.03	.19	.03				.25	.51	.37	.06											.31	.03	.35	
UNALAKLEET WB AP	4.21				T	T	T	.34	T	T	1.31	1.07	.85	.33	.19	.01		.01	T											.01	.10	T	
WALES AIRPORT	2.10		T	T	.01	.04		T	T	.10	T	.14	.01			.37	.47	.29	.13	T				T						.42	.01	.02	T
INTERIOR BASIN 08																																
ALLAKAKET	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANAKTUVUK PASS	-	.09	T	-	-	-	-	-	-	T	-	.04	T	-	-	-	.03	.05	.06	T	.05	T	T	.13	.08	.04	T	.08	.04	.01			.01
BETTLES FAA AIRPORT	2.17	T							T	.18	.24	.22	.12		.14	.01	.40	.48	.03	T	T						T	.12	.02			
BIG DELTA FAA	1.56	.26			T				.12	.09	.09	.04	.42	.03	.02	T	T			T	.06	.04	.12	T		.06			T		
CANYON VILLAGE	1.72	.69							.01	.03	.27	.04	.04	.03						T											
CENTRAL NO 2 //	5.70	.23	.09						.80				1.17	1.32	.73	.33	.02	.04	.04	.10		.04	.02			.04	.01	.03			.02	.2
CHALKYITSIK	1.37	.06						.09	.08	.33	.01		.59		.02	.03	T	.08	T	T						.08						
CHENA HOT SPRINGS	7.74	.06	.02			.05		.23	.50	.42	.18	1.13	1.30	.63	.34	T				.27	T	T	.17	T	.03			.13	T	T	.0
CIRCLE HOT SPRINGS	5.75	.06	T						.34	.02	.01	1.66	1.62	.84	.17	.01	T			.19	T				.27	T	.03	T	.01		.25	.2
CLEAR AIRPORT	10.06	T					T			1.00	.70	1.70	4.98	1.20	.33	.09				.04					.30			.16	T			
CLEAR WATER	2.37	.02	.15						.05	.10	.09		.65	.15	.15							.15	.05	.25	.40				.20			
COLLEEN RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						.44	.04	
COLLEGE MAG OBSV	7.36	.08	.05						.50	.21	.05	2.25	2.91	.65	.09	.03	T			T		.07	T	.79	T			T	.09	.03		T
DELTA JUNCTION	2.46	.17	.05		T				.28	.09	.06	T	.48	.11	.10	T																
DOT LAKE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EIELSON FIELD	7.47	.09			.02				T	.68	.29	.83	3.61	1.42	.38	.05	.02	T	.02	.02		.22	T	T			T	T	T	T	T	T
FAIRBANKS WB AIRPORT R	6.22	.02							.02	.56	.05	.87	3.42	.89	.47	.07	T			T		T	.01		.01			.01	T			
FARNELL WB AP	3.24	.16	T		T	T			.50	.22	.03	.03	.26	.26	.29	.21	T	T	.19	.19	.12	.12	T	.22		.18	.26	.02		T		
FORT YUKON	.35	.01									.10	.10			.05	.02										.06	.01					
GALENA	4.70			.01				.04			.01	.83	1.40	.49	.32	.18	.01	.40		.18			T	.10	.45	.18	.10	T		T	T	
GILMORE CREEK	9.49	.09	.11						.67	.32	.04	3.38	2.80	.79	.70							.14		.15	.09	.08			.12	.05			
HUGHES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.04	.02		.03			.08	.09		
INDIAN MOUNTAIN	3.44				T				.11	.16	.04	.41	.86	.02	.25	.11	.59	.37	.22		T	.35	.50	T	.20	T			.10		T	.06	
MANOMEN LAKE	4.72	.50	.28		.10				.90	T	.02	.55	.45	.39	.73		.83	.04	.19			.03			.30	.03			.04			.24	.05
MANLEY HOT SPRINGS	6.89	.19								.08	.02	.14	3.33	.48	.54	.58																
MC GRATH WB AIRPORT R	3.41	.07		T		T			T		.05	.07	.33	.22	.70	.41	.18	.41	.10	.18	.07	.49	.01	.01		T	.08			T	.03	
MC KINLEY PARK	3.45	.26								.41	.25		1.86	.02	.32	.05	.01	.01		.05	.04					.05	.12					
MINCHUMINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NENANA FAA	8.26	.08						.07	1.01	.06	.52	3.04	2.22	.80	.10					T	.04		.01	.02	.03		.26	T				
NORTHWAY FAA AP	1.85	.03			T		T	.28		.01	.07	T	.09	T						T	T	.90	.14	.09	.03		.06	T			.01	
RAMPART NO 2	6.08	.02							.28	.11	.98	2.00	.39	.32	.26	.38	.02	.02	T	.07		T	.94	T	.22	.08			T	T	.80	.20
RICHARDSON	2.87		.10						.15	.08	.14	1.07	.28	.36	.08	T				T		T	.13	.22	T	T	.04	T		T	T	T
SUMMIT FAA	3.92	.34	.12	.01	T				.30	.48	.16	.18	.47	.28	.03	.23	.04	T	T	.09	T	.10	.13	.22	T	T	.04	T	T	T	T	T	
TANACROSS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T	T	-	.49	T	.03		.04	T	-	-	.31	
TANANA FAA	5.06	.02			T					.15	.10	.44	1.96	.13	.36	.07	.69	.24	.03	T	T	.07		.38	T		.02	T					
TATALINA	4.17	.09		T		T		.26		T	.09	.63	.03	.57	.43	.35	.78	.11	.19	.15	.07			T		.30	.05			.02	.19	
THE GRACIOUS HOUSE	7.54	1.63			.09		.02	.05	.02	.53	.75	.34	.55	1.08	.77	.77	.29			.15	.02								.08	.19		
TOK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRIMS CAMP	9.16	.85	.67			T				.37	.55	.40	.73	2.44	.91	.29	.15	.31	.04	.03	.10	.13	.06	.09	.15	.09	.09	.04	.04	.23	.74	
UNIVERSITY EXP STATION	6.57	.08								.50	.19	.47	3.28	1.15	.83	.31																
VENETIE //	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST FORK	4.52	.54	T					.09		.28	.11	.21	1.78	.44	.35	.27	.29	T		T								.09	.01			
WILD LAKE NO 2	2.00									.29	.17	.01					.25	*		.81								.03			
WONDER LAKE	3.81	.63								.37	.36	.08	.48	.87	.30	.31	T			T	.07	T	.03	.11	.03		.20	.22	.02			
ARCTIC DRAINAGE 09																													.11	.05	T	
BARROW WB AIRPORT //A	.32		.02	T				T	T	.03	T	T	T	T	T	T	.05		.08	T	.01	T	.05		T	T	T	.01	.03	.04	T	T	T
BARTER ISLAND WB AP A	.36	.10		T							T	T	.07	T	T				T	.02	T		T		T	.01		.14	T	T	T	
CAPE LISBURNE	1.23	.01	.01	T	T			T	T	.03	T	T	T	T	T	T	.53	.08	.04	.09						.08	.24	.13	T	T	T	
KOBUK	1.59										.10	.02	.09	.04		.01	.15	.06	.21	.13	.03	T				.23	.08	.19	.21	.02		
KOTZEBUE WB AIRPORT //A	1.32			T	T		T					.02				.01	.40	.35	.05	.03	.17	T			.03		T		.21			
WAINWRIGHT	1.44	T	.01	T									T				T	1.00	.03		.04					T	.03	.10	.07	.08	.10		T

Susitna R. @ Gold Creek.

August 15, 1967 76,000 c.f.s. peak

15-12-414

DAILY PRECIPITATION

ALASKA AUGUST 1967

Station	Total	Day of Month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
EASTERN 01																																
AB AIRPORT	6.16		.03					T	.46	.43	.30	.12							T	.43	.06	.04	.11			.36	.10	T	.09	T	.39	1.20
CREEK	10.29							.30	.72	.99	.91								.32	1.61		T	.55	.03		2.34	.26		.01	T	.92	1.26
	13.82	.16	.24	T				T	1.04	1.10	.21	1.07	.17	.10	.01	T			.05	2.26	2.18	1.13	.33	.11	.17	.98	1.31	.86	T	T	.22	.12
	8.17	.31	.39	T					.50	.60	.58	.30	.02		.05				.12	1.21	1.79	.36	.46	.05	.04	.36	.36	.13	T	.01	.18	.19
FALLS	20.68							T	1.11	0.31	2.06	.02	.02							1.82	1.10	1.48	.56	.40	.63	1.88	4.51	.12			.91	.30
CISION	0.07																															
ENCES	15.72	.93	.58					.20	1.14	.10	.30	.05							.02	1.06	.29	.17	.44	.08	.09	.09	.07				.12	.86
ROCK	4.07	T						.17	2.48	.41	1.29	.16			.03	.04			.48	.86	1.74	.22	.94		.04	2.32	1.21	.06	.05		.27	1.44
NGER LIGHT STA	5.97								.29	.06	.03	.54	T							.29	.39	.12	.03	.11		.80	.79				.39	.67
BAY	10.63	.16	.12					T	1.04	.05	1.06	.02	.09						.04	.85	.03	.21	.23	.10		.48	.46		.01		.25	1.07
								T	1.19	.89	.62	.21	.03	.01	T	T			.09	1.16	.93	.62	.63	.01	T	1.12	.29	.39	.01		.22	2.02
ISLAND	9.06																															
S FAA	7.04	.08	.06	T				.16	.56	.32	.51								.40	1.22		T	.42	.65	.02	1.65	.10				1.55	1.90
TERMINAL	3.76	.02	.03						.44	.22	.16	.46			.04	.09			.11	.86	.36	.77	.69	.17		.34	.81	.08	T	T	.38	.76
NO 2	7.68	.08	.46						.35	.13	.07	.19							T	.36	.72	.10	.05			.95	.73			.04	.35	.87
AB AIRPORT B	5.46	.19	.30						.84	.44	.28	.42	.05	T					.20	1.30	.85	.25	.30	.08	.10	.80	.70	T			.10	.13
								.11	.54	.13	.53	.14	T	T	T				.15	1.06	.30	.56	.17	T	.03	.56	.08	.04	T		.17	.44
R Inn	10.00	.25	.48	.02																												
AA	21.27	.02							1.11	.61	.12	.85	.02	.01	.03	.01			.19	1.00	.85	.77	.94	.24	.21	1.06	.65	.20			.29	
ROCK LIGHT STA	6.38							.20	2.40	1.20	1.33	.02								4.80	T	.92	1.36	.02	3.13	1.80		.06		.66	1.35
LONCES	3.23		.02			T		.30	.95	.47	.48									.84	.09	.11	.24	.25		.38	.23	.02			.82	1.20
POINT WALTER	-	-	-	-	-	-	-	-	.17	.34	.18	.07							T	.24	.34	.08	.05	.08		.35	.38			T	.21	.32
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16.19	.55	.03					.86	1.07	.29	1.51	.22			.06	.12	.03		.88	1.58	1.78	.88	.15		1.37	2.41	.70		.02	.05	.90	1.16
LRG	9.29								1.01	1.73	.60	.15				.01			.04	1.37	.12	.21	.89	.15	.05	1.04	.61	.03	.02		.33	1.10
RETREAT LGHT STA	9.28	.32	.09					1.34	1.40	.01	.13	.52				T	T		.02	1.62	.50	.46	.32			1.02	.86					.62
AA	7.46	.46	.06	T				.04	.89	.03	.60	.76	T	.05	T	T			.39	.31	.59	.07	.83	T	.05	.45	.06		.03	.12	.15	1.49
AGNETIC	7.43	.25	.60	.05					.25	.73	.06	.93	.55	.10						.38	.43	.49	.48	.40		.48	.32	.04	.01	.02	.25	.81
NO. 2	3.31		.03						.29	.05	.20	.15	.02																			
S COVE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.18	.27	.43	.02	.01			.44	.77	.14		.03	.29	.03
INT LIGHT STA	10.45							.02	1.62	.12	1.72	T	.02						-	-	-	-	-	-	-	-	-	-	-	-	-	-
L	8.89								1.00	1.17	.95	.24	T						.04	1.55	.08	.11	.45	.85	.03	.53	1.73			T	1.45	.17
																			.04	1.26	.41	.12	.39	.38	.12	1.10	.51	T			.44	.78
COAST 02																																
NCHENBROOK	18.46	.87	.36	.09	.66	1.93	1.84	1.55	.92	.44	.27	T	T	.89	1.29	.24	.24	.19	.31	1.57	.24	T	T		1.14	1.73	.73					
ELIAS	16.04	.17	T	.22	.08	1.82	.98	2.02	1.45	.20	.16								.59	1.35	.06	.13		.01	2.24	.49	.19	.05	.03	.39	.06	.71
LAKE PROJECT	2.48	.12	.02	.01	.01	.05	.08	.29	.12	.01	T	.01							.20	.19	.03	.02		T		.07	.06	T		.08	.03	
AKLAM	-	-	-	-	-	-	-	-	-	-	-	-	-	.38	.60				.14	-	-	-	-	-	-	-	-	-	-	-	-	-
FAA AP	11.48	1.00	.01	T	.22	.32	.45	.76	.51	.15	.20	.09	.29	1.76	.69	T	.25	.09	.16	.42	.03	.31	T	.40	.29	1.08	.48	.05	T	.27	.45	.55
LAKE NO 2	-	T		T	.40	.22	.13	.32	T	.23	.06		T	.07	.50	.05	1.32	.41	.41	.13	.06	.19	.02	.13	.39	.11	.22					
AY	12.41	.03			.82	1.28	T	.95	.16	.15	.02		T	.30	1.39	1.08	T	.95	2.04	T	T	.78	.13	.05	.42	.28	.09					
NES	8.25				.98	.06	.25	.82	.08	.04	.01		.13	.04	.46	.04	.17	.48	.39	.02	.32	.53	.22	.63	.49	.39	T					
BAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ASS	3.17		.32				.20	.35					.60		.80		.10	.20	.05	.18		.18							.15	1.14	.14	.22
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.15	-	-	-	-	-	-
BOR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8.26	.39		T	.13	.79	.21	1.07	.07	.06	T	.03	T	.41	.41	T	.84	.90	.10	.21	.08	.24	.03	T	.69	.25	.19	.02		.35	.39	.26
AIRPORT	4.73			.02	.03	T	.04	T		T			.12	.05	.03	.20	1.53	.45	.93		.13	T		.53	.36				.01	.15	.12	
R	.34	.04						T						.12											T							
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.18	-	-	-	-	-	-	-
A FAA	10.96	.62	.43	.01		.02		.18	1.61	.81	.90		T	.05	.65	.13		T	.05	.40	.02	.07	T		.06	1.40	1.31	.01	T	.27	1.19	.50
AB AIRPORT B	14.15	.82	.64			T		.72	1.22	1.73	.83		.02	.02	.12	T	T	T	.72	.37	1.16	.64	.12	T	.80	1.67	1.27	.17		.26	.22	.81
ESTERN																																
S 03																																
	5.28	.18	T	.13	T	.56		T	T	T	.08	.14	T	.07	.23	.05	.02	.02	2.70	.06	T	.11	.82	.36			.20	.29	T		T
	3.76				T	.15					.24	.48	.02	.67	.31	.02	.04		.10			.30	.38				.03	.35	.62	.02		.01
RICHER LGHT STA	1.47	.40	.02	.03		.01								.01	.02												.01			.04		
AB AP B	4.72	.04	T	.02	.08	.74	.70	.35						.39	T	.21				.10	.27		.10	.06			.02				.33	.01
ISLAND AB AP B	2.59	T	.08	.06	.01	.02	.06	.01	.50	T		T	T	.19	.09	.57	.01	T	T	.49	.31	.39	T	.44	.26	.02	T			.15		
									T	T	T		T							.12	.12				T	T						
AB AP A	2.10	.01	T	T	.24	.03	.03	T	T	T	.06	.06	.01	.12	.03	.02	.03	.06	.30		.02	.16	.10	.02					.05	.12	.16	.17
	5.91		.20	T	.10	.42	.35		T	.03		.19	.83	.46	.09	.33				.62		.04	.26	.92	.34		.13	T	.61	.02	.01	T
																													.51		.24	T
RIVER 04																																
A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VALLEY SCHOOL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LAKE	2.15	.40				.30			T	.10									.08													
	1.05	.05	.10						.01	T	T	T	.29	.80			.35	.19											.05	.07	.07	
														.16	.20	T		.02	T	.00	.05	.15	.14	.04			.10			.10		
LEMACAN	1.15	.02	.23						T	.04	T	T		T		T	T	.03	.05								.05			.02		
AB AP	1.91	.34		T		T	T	T	.15		T	T	.07	.06	T		T	.10	T	.18	.32	T	T	.20	.01	.06	T	T	T	.01	.07	.06
	.74		.11																		.18		.48	.14	T	.13				.06	.08	
LAKE	1.24	.19	T			.12	T		.09	T										.02		.11		.07		.23		.03			
ER	-	-	-	-	-	-	-	-	-	-	-	-	-	.16	-	T	-	-	-	.04	.11		.22	.10		.62	.01			.01	.10	.01
																		.05	.01													
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4.22	.87			.04				.23		.71	.19	.27	.42	.75					.02												
	1.44	.23			T				.07																.04							
E LAKE	.61	.02							.07		T	.04		.11	.16			.03		.01	T	.03	T	.01		.03	.01	.03		.04	.02	
N PASS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LODGE	.70	T	.06	.20	.01	.09			.09									.07		.05	.02	.01	.02						.06		.04	.02
ALET 05																																
CONSERVATION CMP	-	.82				.03			.02		.08	.22	.18	.62	.30																	
INN	2.60	.61										.14	.20	.46	.60					.03												
	6.66	.66			.10	.15	.15	.80	.55	.05	.10	.10	.10	1.19	1.09				.05	.60	.15	.04	.05	.02	.10	.20	.20	.10	.20		.05	.10	
CE AP AIRPORT B	2.96	.37		T	T	.31	.06	.01	T	T	.03	.07	.19	.65						.12	.44	.02	.08	T				.02	.24	T		.28	.14	.01
CAD	2.70	.35		T		.31	.04	.04	T	T	.10	.09	.14	.45	.06		.03	.10	.02	.20	.01	T		.06		.20	T					
CE PARK SCHOOL	2.77	.56	.01			.10	.05	T		.05	T		.15		.87	T	T	.37	T	.02		.07		.03	T	.15	.03		T	.30	.20	
PROJECT	3.03	.63	.01			.03	T	.01			.06	.13	.16	.46	.23	T	T		T	.09		.13	.02	.03		.02	.11	.18	.01	.21		.10
AF A F BASE	3.10	.48			T	.25	.13	T	.03	T	.09	.09	.28	.40	.10		.35	.25	T	.05				.03		.02	.11			.10	.03	
AY NIKE SITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.13	.39	T	.08	T	T		.08	T	.18	.05			.30	.06	T
																	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KE LODGE	7.80	.76	.13	T	T			T	.87	.35	.37	.27	1.24	1.01	.27		.36	.66	T	T	.15	.40	T	.06	T	T	T	T				
AA	3.65	.02		T	.03	.25	T	.02	.05	.02		.11	1.02	.01			.45	.28	.04	.05	.03	T		.03	.25	.37	.12		T	.37	.04	.09
No	5.52	.04			.08	.35	.07	.01	.28	.03		.04	.63	.10			.67	.37	.08	.27	.04			.22	1.35	.15				.28	.20	.28
	4.50	.48				.30			.20	T		.20			.80		.75	.20	T	.10	.10	.40	.20	T	.20	.30	.20		T		.20	
A BAY	4.67				.03	.51	.01	.18	.05	.01	T	.02	.06	.20	.24		.45	.87	.23	.04	.09	.01		.01	.72	.34	.09	.01			.24	.13	.11
AB	4.69	.04		.11	.07	.11	.02	.05	.07	.04			.40	.82	.08		.97	.86	.03	.02	.02	.19		.04	.04	.15	.08					
AA AGR EXP STA	2.86	.24				.01			.01		.08	.16	.25	.54	.34		.25	.10			.14	.25		.17		.02		.27		.04	.03	.01
CRAFT PTCH. GC	2.93	.48				.06	.02	.01			.05	.15	.13	.27	.52		.09	.37	.02	.13	.05	.04		.02		.10	.05	.03		.06	.02	
TERMINAL	-	.36		.03		.30	.01	.04	.02	.09	-		.02	1.02	.28	.21	1.28	.74	.20	T	.02	.04		.01	.02	T	.02			.22	.08	
IN	5.61	.67										T	.20	•	1.45	T	1.45	.85	.14	•	•	.29	T	.07	T	.18	•	•	•	.49	.11	.06
																														.58	.11	.02
AKES	2.46	.70	.02			.03	T		T		.23	.22	.24	.70		T	.22	.19	T	T	.02	.16		.03		.01	T	.08		.25	T	T
N	3.09	.75						T	T	.12	.16	.22	.60	.35		T	.22	.17		T	.20			.04		.03	.12			.03	.01	
	3.24	.35	.03			.02			.12	.17	.50	.02	.15	.33	.23	.03	.54	.02	.06	.03	.15	.05		.03		.03				.01	.03	
DEER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALPON CREEK	15.02				.20	2.62	.42	.73	.08	.14				.30	T		2.35	2.33	2.03	T	.12	.23	T	T	.82	.13	.20	T	.42	1.10	.40	

15-12-415

1950

2920. Susitna River at Gold Creek

Location.--Lat 62°46'15", long 149°41'20", on right bank 0.2 mile upstream from Gold Creek, 0.3 mile upstream from Alaska Railroad bridge, 1 mile north of Gold Creek railroad station, and 1.7 miles downstream from Indian River.

Drainage area.--6,160 sq mi, approximately (includes that of Gold Creek).

Records available.--Discharge: August 1949 to September 1959.
Chemical analyses: May 1951 to October 1952, October to November 1953, June to September 1955, June 1956, January to September 1957.
Water temperatures: June to September 1957.
Sediment records: April to September 1952 and June to September 1957 (daily); May 1953 to August 1956 (periodic, summer months only).

Gage.--Water-stage recorder. Datum of gage is 676.50 ft above mean sea level. Prior to June 6, 1957, wire-weight gage at site 0.3 mile downstream at same datum.

Average discharge.--10 years, 9,856 cfs (7,135,000 acre-ft per year).

Extremes.--Maximum discharge during year, 62,300 cfs Aug. 25 (gage height, 15.42 ft); minimum not determined.
1949-59: Maximum discharge, that of Aug. 25, 1959; maximum gage height observed, 24.48 ft May 10, 1954 (ice jam), site then in use; minimum discharge not determined.
Flood in May 1919 reached a stage of 19.2 ft, result of ice jam, from information by Bureau of Reclamation.

Remarks.--Records poor. Large diurnal fluctuation caused by glacier melt at source.

Discharge, in cubic feet per second, water year October 1958 to September 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5,900								18,100	30,200	25,400	41,000
2	6,200						(*)		19,600	27,800	25,000	38,000
3	6,600								22,400	27,400	24,000	*35,000
4	6,400								27,800	23,800	24,000	32,000
5	6,000								28,000	23,000	22,000	27,400
6	5,600							3,400				
7	*5,240								28,000	26,000	19,700	24,600
8	5,100	2,600	1,100	(*)	1,400		1,000		27,000	26,600	18,600	22,600
9	5,200			1,500					26,000	25,000	*16,700	21,300
10	6,400								23,000	23,900	17,000	19,800
11									20,000	21,300	17,600	16,700
12									19,000	19,900	18,800	15,100
13		(*)							18,000	24,300	20,200	13,900
14								7,400	18,100	32,000	21,100	13,200
15									19,200	31,000	22,800	12,700
16	5,300					980			20,400	29,000	23,300	12,400
17								15,000	21,400	*27,200	25,000	12,200
18								22,000	22,200	28,000	26,000	12,000
19					(*)			37,000	23,000	30,000	29,000	11,300
20								39,600	23,000	29,000	38,000	11,000
21								54,500	22,000	25,000	41,400	11,000
22					1,200			29,100	23,000	24,000	40,000	10,500
23		1,700	1,900	1,400			1,500	*26,000	24,000	23,000	31,000	9,960
24								25,000	25,000	21,000	40,000	10,100
25								25,000	27,000	22,000	59,700	10,500
26	3,500							27,000	*27,600	22,200	59,100	10,800
27								27,400	25,000	22,000	51,200	11,000
28								23,200	23,500	21,000	45,000	10,400
29								23,200	23,700	20,600	43,000	10,400
30								27,600	25,400	21,400	46,000	9,650
31								24,200	29,300	21,600	37,000	11,200
								20,400		25,800	39,000	
Total	149,140	64,500	46,900	44,900	36,600	30,380	37,500	495,600	699,700	775,000	966,600	507,710
Mean	4,811	2,150	1,513	1,448	1,307	980	1,250	15,990	23,320	25,000	31,180	16,920
Ac-ft	295,800	127,900	93,020	89,060	72,600	60,260	74,380	983,000	#1,388	#1,537	#1,917	#1,007

Calendar year 1958: Max 47,800 Min - Mean 8,890 Ac-ft 6,436,000
Water year 1958-59: Max 59,700 Min - Mean 10,560 Ac-ft 7,645,000

* Discharge measurement made on this day.
# Expressed in thousands.

Note.--No gage-height record Oct. 1-6, 8-10, Oct. 17 to May 18, except occasional readings (stage-discharge relation affected by ice during most of periods), May 23-25, June 5-11, 18-24, July 13-15, 17-24, 26, 27, Aug. 2, 3, 9, 16-19, 21-23, Aug. 27 to Sept. 2. Discharge estimated on basis of 10 discharge measurements, weather records, and records for station near Denali, Matanuska River at Palmer, Chulitna River near Talkeetna, and Nenana River near Healy.

15-12-416

DAILY PRECIPITATION

ALASKA
AUGUST 1959

Station	Total	Day of month																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
SOUTHEASTERN																																
ANGOON	5.00	.05	.03	T	.05	.09	.29	.12	.06	.01				.31	.12	.10	.26			.08	T	T	.37		.39	.24	.01			.41	.07	.05
ANNETTE WB AP	10.57	T	.42	.80	T	.34	.10	.28						3.13	.50	1.96	.77			T	.04	.01	.68	T	.11	.07	T			1.03	.44	.16
ANNEX CREEK	13.01	.48	.20	T	.77	.44	3.02	1.50	.84	.39		T		.91	1.08	.43	T	.04		.04	.03	.28	.33		.29	.30				1.33	.39	.42
BEAVER FALLS	6.59		.15	.95		.19	.27	.29						.40	.39	.40	1.10				.03		.42	.16	.14	.20				.98	.27	.25
CAPE DECISION	5.29	.08	.46	.10		1.05	.83	.25	.06					.37	.17	.47	.05			.09	.21	.02	.57	.03		.26				.47	.21	.21
CAPE SPENCER	6.57	.15	T	T	.08	.03	.37	.53	.37	.31			T	.37	.16	.47	.09		T	.22	.07	T	.94		.28	.39			T	1.12	.16	.04
ELDRED ROCK	3.27				.10	.33	.61	.32	.33					.59	.10	.10							.11							.53		.19
FIVE FINGER LGT STA	4.98	.19	.06		.13	.55	.45	.13	.13					.46	.26	.25	.30			.06			.29	.04	.29	.73				.37	.10	.13
GUARD ISLAND	4.16		.31	.30		.07	.05							.45	.15	.45	.07						.33		.27	.37				.60	.09	.11
GUSTAVUS FAA	6.99	.02			.07	.20	1.07	.47	.69					.75	.15	.11				.05	.16	.29	.11	.01	.20	.26			.21	.16	.14	.18
HAINES TERMINAL	1.55	.06		.01	.09	.11	.33	.02	.04					.06	.31	.09	T	T	T			.01	.01		.01	.18				.12	T	.10
HOLLIS	3.91	.07	.35	.28	.01	.24	.20	.01	T					.57	.11	.37	.35			T	.01	.01	.33	T	.21	.02	T			.76	.23	.21
JUNEAU	9.56	.41	.02		.29	.29	1.93	.61	.48	.27				.58	.87	.25	.01			.07	.07	.31	.12		.26	.42				1.36	.17	.56
JUNEAU WB AP	5.37	.03	T	.12	.34	.15	.72	.45	.29	.11				.90	.06	.13	T			.01	.20	.16	.04	T	.26	.16			.12	.67	.08	.49
KETCHIKAN	11.47	.05	.23	.92	T	.44	.10	.27	T	T				.72	2.80	1.75	1.34	.02		T	.11	T	.35	.14	.25	.49	.38			.95	.53	.21
LINCOLN ROCK LIGHT STA	7.01		.37	.10		.13	.10	.06	.02	.02				1.64	.31	.75	.27			.11	.08	.32	.44	.01	.27	1.10	.04			.37	.22	.13
LITTLE PORT WALTER	16.31	.06	.60	.27	.01	2.79	3.76	.13	.08	.01				3.16	1.21	1.63	.18			.01		.61	.65		.16					1.45	.06	.15
PETERSBURG	8.76	.34	.26	.04	.05	.61	2.03	.59	.31	.09				.47	.43	.46	.22			.09	.01	.07	.39	.02	.15	.93	.07			.67	.35	.27
POINT RETREAT LIGHT STA	8.76				.20	.50	1.95	.40	.29					.78	.62	.18				.08	.03				.29					2.95	.39	.23
PORT ALEXANDER	10.72	.15	.56	.18		1.18	.67	.08	.06					2.28	.92	.98				.62		T	.98	.11		T				.31	1.38	.39
SITKA FAA	10.01	.11	.21		.12	1.31	1.95	.32	.37	T			T	.40	.31	.06	T			.22	.21	.69	.73		.63	.37			.29	.88	.67	.44
SITKA MAGNETIC	9.45	.16	.09	.12	.08	.09	2.27	.77	.62	.19				.06	.46	.12	.02			.06	.43	.13	1.06	.05	.11	.60	.04			.55	.71	.52
SKAGWAY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TREE POINT LIGHT STA	6.38		.15	1.49		.08	.09	.06						.38	.68	.69	.77				.11	.04	.20	.23	.18	.52	.64			.48	.17	
WRANGELL	7.59	.18	.36	.03	.04	.20	.59	.23	.17	.04	T			.93	.44	.37	.27	T	T	.05	.09	.08	.42	.06	.19	.74	.04	T		.66	1.26	.31
SOUTH COAST																																
CAPE MINCHINBROOK	6.99				.14	.20		.19					.30	1.59	.15	.81			.12	.93		.68	.03	.89	.33	.04		.14	.22	.02		3.65
COOPER LAKE PROJECT	1.40				.26	.16	.06			0	.02			T						T	T	.01	.15	0	.33	.09	T	.04	.01	T	.03	.22
CORDOVA WB AP //R	6.36	.02		.01	.44	.29		.01		T	T	.01	.01	.01	.02	.03		T	.36	.25	.90	.07	.02	.93	.26			.02	.10	.31		2.29
EARLUK RIVER	1.61	.55	T			T								T	T			.05	.16	.05	.05		.02	.13	T		.02	.02	T	.05	.19	.36
KODIAK RAS	5.27	.66	.10		.37	.15				T		.23	1.50	.16	T	T						T	T			T					.06
LATOUCHE	4.99				.05	.03							.26	1.36	.09	T			.12	0		0	0	0	.08			.04	.14	T		2.06
LAZY BAY	2.46	.28	.10										.31	.27	.04			.08	.10	.15		.15	.02	.10	.08	.10	.08	.02				.78
SEWARD	1.83	.23			.29	.09	T						.04	.23					.07	T		.24	.03	.11	.08	T		.03	T	T	T	.19
SHEARWATER BAY	9.98	.85	.23		.45	.66						.44	2.60	.15	.02			.07	.02			.02	.07	.31							.03	.43
VALDEZ	3.62				.31	.26		.38										T	.47	.30	T	.10	.30	.16	T		T	T	.09		1.03
WHITTIER	8.27			.29	.90								.95	.97	.06				.45	.04			1.35	.80	.18		.05	.06		.05	.12
YAKATAGA FAA	2.90				.43	.15	.01	.01					T	.08	.01				.08	.10	.24	.08	.04	.13	.49	T			.04	.02	T	1.00
YAKUTAT WB AP	7.68	T			.16	T	.98	1.42		T			.15	.58	.01	T		T	.10	.28	.24	.23	.13	.29	.21	.03			.48	.32	.12	1.79
SOUTHWESTERN ISLANDS																																
ADAK	4.66		.06	T	.01	T	.13	.04	.96	.09	.29	.01	T	T	T	.16	.18	.12	.04	T	.06	.15	1.09	.30	.10	.05	T		T	.58	.02	.02
CAPE SARICHEF LGT STA	1.52	.30	.02	T	T	T	T	T	.02			.20	T	T	.34	T	.10	.10			.06	.01	.10	T			.07	T	T	.02	T	.18
COLD BAY WB AP	2.25	.58	.04	.02	T	T	T	T	.81		T	.37	.17	.03	.22	.02	.19	.04	.03	T	T	.09	.02	T	T	T		T	T	T	.40	.02
ST GEORGE ISLAND	4.24												.25									1.65	1.45	.89							
ST PAUL ISLAND WB AP	5.10	.07	T	T	T	.13	.01		T		T		.12	.01	.02	.01	.08	.03	.11	.06	.31	.41	.96	.58	.90	1.19	.07	T	T	T	.03	T	
SHEMYA RAW	2.75	T	T	.01	.08	.06	.07	.03	.01	.05	.07	T	.12	.04	T	.02		T	.04	.12	.42	.62	.33	.39	.01	.03	T					.03
COPPER RIVER																																
CHITINA	.32				T											T								.39					.17		T
EKLUTNA LAKE	2.70		.09	.10		.05										.05					.20			1.19				.23	.35		.58
EUREKA	3.38	.01			.50	.25	.01	.34								.24	.08			T	.19		.09	.10	.06	.47	.10		.19	.02	.11	.19
GULKANA FAA	1.57			T	.25	T	.15			T					T					.37	.14		T	.10	.12	.03		T	.19	.02	.11	.19
SHEEP MOUNTAIN	2.52			.20	.21	.46								.03					.16	.93	.23	.41			.93	.42		.07	.21	.31		.27
SLANA	4.60					1.13																										
COOK INLET																																
ANCHORAGE WB AP	3.11	.04		T	.03	T				T			T	.01	.17	T		T	.41	.03	.02	.28	.11	.44	.07	T		.04	T	.09	.17	.96
ANCHORAGE 4 ESE	.98	.03	T	T	.06	.01									T	.17	.05			T		.10	.12	.02	.11	.03				.03		.76
BEAR COVE	--	.02			--	--	--	--	--	--	--	--	--	--	--	--						.13	.07	.02	.11	.03				.03		.76
EKLUTNA PROJECT	4.44		.04	.14	.17	.04	.01	.20						.18					.01	.15	.26	.03	.03	.76	.90	.20		.07	.93	.64	.04	.22
ELMENDORF AF BASE	3.20	T		.21	.01	T	T			T				T	.29	.06		T	.06	.02	.07	.13	.15	.80	.12	.01		.14	.06	.01	.22	.88
GIRDWOOD	4.58			.16	.34	.02		.01		.20				.07					.05	.04	.06	.16	.02	1.53	.68	.08		.12	.12	.19	.51	.72
HOMER FAA	1.64	.03		T	T								.02	T		.01			.03	T		.14	.09	.17	T	T	T				.45	.71
HOMER 5 NW	1.89	.07		T	T								.02	.06		.01			.15	.01		.16	.09	.07	.07	.03		.10			.01	1.04
INISKIN	4.28	.16	.09										.43	.14	.18	.24			.73	.12		.49	.13	.67	.09	.04	.09			.09	.76
KASILOF	2.70	.64	.02			.08						T		.01	.02				.36			.18	.13	T				.13			T	.13
KENAI FAA	3.83	.16	.12	.03	.07								.08	.09	.02	T			.96		T	.28	.13	.20	T		T	.17			.25	1.66
MATANUSKA AGR EXP STA	6.07	.06	.04	.15		.19	.04	.10							.05				.76	T		.38	T	.04				.08			1.29
MINICHIK	2.92	.24	.03	.07										.18					T	.22	.61	.10	T	0	2.67	.85		.05	.47	.48	.04	.19
PALMER	7.85			.21	.28	.13	.05	.83							.17	.17			.25	.26	.82		.16	1.27	2.52	.48		.05	.51	.82		.17
PALMER 1 N	8.44		.20	.02	.23	.33	.48								.12				.04	.24	.82		.16	1.43	3.13	1.94		.05	.23	.95	.11	.03
PALMER 4 SE	4.29			.06	.16	.07		.15								.07	T		.04	.07	.35	T	.11	.34	.43	1.11		.01	.23	.95	.11	.03
PALMER 9 NW	11.42	.02	.01	.18	.22		.62	.30						.02	.02	.03			.20	T	.63	.01	.17	1.65	5.38	.22		.05	.38	.93	.02	.36
PUNTILLA	2.38	.03							.08	.05									.45	.17	.06		.04	.32	.19		.03	.19	.01	.04	T	.72
STERLING	2.65	.32	T		T								T	.14				.17					.21	.26							1.57
TALKEETNA FAA AP	6.73			T	T		T			T			T	.01	T	T			1.35	T	.06	.07	.47	.77	.83	T		.24	.63	.13	.43	1.29
TUSTUMENA	4.79	.18			.04	.02				T				.03					.03		.05	.12	.12	.44	T						.27
WASILLA 3 S	5.93	.11		.08	.04	.02	.24	.04								.07	T		.28		.21	.26	.08	1.59	1.67	.30		.08	.14	.16	.04	.52
BRISTOL BAY																																
ALEKNAGIK	3.71	.02								T		.02	.61	.05	.03				.63	T	T	.29	.18	.45	.61	.99	.03	T	T	.04		
BROOKS LAKE	5.20			T	.01	T			T	.01				.01			.03	T	.02	.13	.06	.32	.28	.43		1.90	.59	.01	.07	.13	T	.20
CAPE NEWENHAM	9.63	.43						T		T			.04	.01	T	T	T	.05	.26	T	.53	.14	1.42	3.13	1.94	1.41	.12	.02	T	T	.23	.07
DILLINGHAM	3.69	.26							.23				.15						.32	.28			.32	.70	.53						.39	.35
ILIAMNA FAA	7.13	T				T		T					T		T	.02	T		.40	.58	.07	.72	.78	1.91	.64	.70	.48	.08	T	T	.14	.43
KING SALMON WB AP //R	2.12	T			T		T	T	T				T	.23	.01	T	.02		.43	.01	.05	.07	.29	.19	.25	.14	.06	T	.15		.29	.01
PORT HEIDEN	.33	.07	.02	T	T	T	.02	.01					T	.02		T	T	T		T	.05	.07	T				T	.02	.05	T	T		
SLEETMUTE	3.40																		.10	.71	.10	.23	.17	.13	.20	.36	.20	.43	.15	.03	.27	.32
SPARREVOHN	7.10	.07							T				T	T	T	.03		T	.85	.43	.10	.10	1.01	1.10	1.05	.05	.39	.03	.37	.39	.02	.52
WEST CENTRAL																																
ANIAK FAA	3.98												T		T	T	T	T	.28	.41	T	.20	.48	.32	.35	.31	.32	.01	.34	.01	.29	.66
BETHEL WB AP	4.84	.04											T		T	T	T	T	.22	.23	.02	.23	.32	.63	.85	.63	.72	.05	.18	T	.80	T
CAPE ROMANZOF	4.65							T	T		.02			T		T	T	T	.29	.01	T	.10	.48	.89	.09	T	T	.80	.25	.18	T	.53	1.04
FLAT	4.13																				.60	.25	.02	.10	.06	.18	.45	1.30	.40	.60	.05	.10
HOLY CROSS	4.54																			.59	.38		.11	.30	.03	.76	.10	.97	.12	.40	.11	.19
MOSES POINT FAA	3.75	T					T	T	T										.03	T	.24	.08		.96				1.22	.34	.65	T	.39
MOUNTAIN VILLAGE	3.86		.34																.07	.14	.10	.01	.04	.54	.07	.15		.37	.02	.44	.07	.37
NOME WB AP	1.76	T					T	.02	T	T						T	T		T	.03	T	.01	.01	.05	.03		.03	T	.09	T	T	.08
NORTHEAST CAPE	.33	T								T					T	T	T		T	.06	T	T		.15	.21	T	.12	.03	.17	T	.08	.05
NUNIVAK	1.48	T	.20																T	.53	.40	.33	.19	.30	.42	1.54	.20	1.50	.31	.62	.45	.28	.43
NYAC	7.51	.01																	T	.24	.28	.25	.10	.45	2.57	2.51	2.39		T	.41	.22	.67	
PLATINUM	10.39												.57						.03	.10	.24	.28	.25	.10	.45				T	.41	.22	.67	
TELLER	1.87	.12					T	.06		.04	T					.05			.05	.16	.06	.06	.50				.05	.35	.13	.09	.13	T
UNALAKLEET FAA	3.88	.04						T	.02										.03	.07	.23	.07	T	.32	.73			.86	.16	.19	.22	.44	.22
WALES AP	1.12	.03					.04	.02	.01	.01	.01			T	.03				T	T	T			.33	.01			.01	.24	.19	.12	.06	.01

Susitna R. @ Gold Cr.

Aug. 24-1959 59,700 c.f.s. peak

15-12-417

DAILY PRECIPITATION

CONTINUED

ALASKA
AUGUST 1959

Station	Total	Day of month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
INTERIOR BASIN																																
ANAKTUVUK PASS	1.91			.02						.04							.07	.16	.05	.10	.15	.04	.02	.56	.09	.01	T	.04			.15	.02
BETTLES FAA AP	1.23														T	T	T	T	.01	.34	.01	.02	.16	.05			T	.27	T	T	T	.19
BIG DELTA FAA	1.72	.02	.16				.04		.05	.05							T		T	.07				T	.29			.32	.22	.25	.25	
CIRCLE HOT SPRINGS	1.27	.11	T	.04	T	T		T	T	.03										.11	T			T		T			.04	.26	.08	T
COLLEGE AAG OBS	2.16			.08				.08									.03	.06	.14	.28	.02	.09		.32	.02	T		.05	.21	.39	.39	
EAGLE	.09			.14						.10										.16				.11	.06	.08				T		
EIELSON FIELD	1.84	T	.01				.02		T					T				T	.09	.12	T		.01	.16	.09			.44	.25	.03	.16	
FAIRBANKS WB AP	1.81		.01				.05									T	T	.02	.09	.36	.04		.01	.31	T	T		.26	.23	.34	.06	T
FAREWELL FAA	5.03	T							T	T				T			.22	.04	.42	.08	T		.28	.33	2.01	.47	.09	.27	.22	.31	.08	.27
FORT YUKON FAA	.56	.02		.02						T										.21	.18			T				.05	.03	.01	T	
GALENA	2.30	.01						T	T							.08		T	.01	.35	.05		.27				.06	.20	.35	.10	.06	.18
HUGHES	5.84																T	.03	1.60		.05	1.20	.26	.12	.40			1.25				
LADD AIR FORCE BASE	1.52	T	T				.03									T	T	.03	.06	.27	T		.02	.34	T			.23	.18	.32	.04	T
LAKE MINCHUMINA FAA	3.05			T					.01								T	.34	.88	.04	.22	T	.24	.03	.29		T	.41	.01	.04	.03	.55
MANLEY HOT SPRINGS	2.26								T								.12		.12	1.00	.13	T	T	.65				.44		T		T
MC GRATH WB AP	3.20						T		T	T						.05		T	.35	.15	.02		.70	.09	.72	.04	.38	.18	.28	T	.16	.16
MC KINLEY PARK	7.97	T		.05	T		.18		T	T					T		.19			.31	.11	T	T	.07	.75	.23		.37	.39	.15	.10	.07
NENANA FAA	.63			T					.04								.02			.04									.08	.07		
NORTHWAY FAA AP	1.60	.12	.07	.03	T	.03	.01			.08				T	.16	.09	T		T	.05	.17			.11	.04	.05			.08	.07		
SUMMIT FAA	3.66	T		.16					T	T						.02	T		.46	.35	.17	.13	.12	.52	.48	.07		.44	.24	.01	.04	.15
TANANA FAA	3.74								T								.12	.13	1.13	.08	.37	.01	.37	.01			.04	.44	.22	.10	.03	.07
THE GRACIOUS HOUSE	3.57	T		.04					T	T							T	T	.40	.05	.10	.10	.12	1.00	1.00			.17	.03	.35		.19
TOK	.30	.04	.26				.03	.04													.02		.04						.03			
TRIMS CAMP	1.43	.03	.01	.13	T		.01	.02		.02	T				.01	.07	.16	.02	T	.04	.02	T	.03	.29	.08	.20	.01		.04	.43	.02	.32
UNIVERSITY EXP STA	.17	.01	.05	.04				.02									.02	T	.03	.14	.18	.17	T	.52	T		T	.20				
WILD LAKE	1.64	.08								T																						
ARCTIC DRAINAGE																																
BARROW WB AP //6	1.16			T		T			.27	.42	.02	T				T	T	T	T		T	T	T	.11	T	T		T		.21	.13	T	T
BARTER ISLAND WB AP	1.65		.01	.14	.16	T			.37	.56	.14	T				T					T	T		.05	.05	.05				.01	.13	T	T
CAPE LISBURNE	1.89						T	T			.01		T			.03	T		T	.01			.54	.38	T	T	T	.17	.01	.11	.57	.11
KOTZEBUE WB AP //6	1.50						T	.09			T				T	.03	.04	.01	.01			.02	.70	.04	.01		.09	.09	T	.16	.21	

SUPPLEMENTAL DATA

Station	Wind direction: Prevailing	Wind direction: Percent of time from prevailing	Wind speed m.p.h.: Average	Wind speed m.p.h.: Fastest mile	Wind speed m.p.h.: Direction of fastest mile	Wind speed m.p.h.: Date of fastest mile	Relative humidity averages percent: 2:00 A.M. (150th M.T.)	Relative humidity averages percent: 8:00 A.M. (150th M.T.)	Relative humidity averages percent: 2:00 P.M. (180th M.T.)	Relative humidity averages percent: 8:00 P.M. (150th M.T.)	Number of days with precipitation: Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over	Total	Percent of possible sunshine	Average sky cover sunrise to sunset
ANCHORAGE WB AIRPORT	S	13	6.6	↔28	S	18	84	77	66	78	8	9	4	2	0	0	23	40	8.2
ANNETTE WB AIRPORT	SSE	17	9.1	↔31	SSE	5	90	80	71	84	5	3	8	3	2	1	22	-	7.9
BARROW WB AIRPORT	E	27	12.9	31	NE	23+	95	93	88	92	14	1	5	0	0	0	20	-	8.7
BARTER ISLAND WB AIRPORT	E	30	12.7	↔32	E	13	95	93	88	91	7	5	5	1	0	0	18	-	8.5
BETHEL WB AIRPORT	SSW	17	14.1	↔36	SSW	26+	89	88	64	73	6	4	5	5	0	0	20	-	7.7
COLD BAY WB AIRPORT	W	16	19.9	↔51	SE	24	92	92	82	89	14	10	5	1	0	0	30	-	9.4
CORDOVA WB AIRPORT	ENE	9	3.6	↔23	ENE	31	90	82	72	86	3	11	7	2	0	1	24	-	8.5
FAIRBANKS WB AIRPORT	N	13	6.3	↔24	SW	19	90	76	55	69	5	7	5	0	0	0	17	-	7.7
JUNEAU WB AIRPORT	ENE	24	10.4	↔38	ESE	6	92	86	73	84	3	5	13	3	0	0	24	25	8.4
KING SALMON WB AIRPORT	SW	22	12.2	↔39	ESE	12	94	90	71	82	9	7	8	0	0	0	24	-	8.3
KOTZEBUE WB AIRPORT	W	13	11.0	↔35	ESE	26	88	87	78	81	4	10	2	1	0	0	17	-	8.2
MC GRATH WB AIRPORT	SSW	7	5.5	↔17	SW	23+	86	78	55	64	5	4	7	2	0	0	18	-	7.9
ROME WB AIRPORT	SW	13	10.8	↔30	NW	28+	86	83	72	76	8	4	4	1	0	0	17	59	8.2
ST PAUL ISLAND WB AIRPORT	-	-	-	-	-	-	96	95	89	94	9	10	5	3	1	0	28	-	9.0
YAKUTAT WB AIRPORT	E	15	7.8	↔29	ESE	31	94	84	76	91	5	2	12	2	2	0	23	-	8.4

↔ FASTEST OBSERVED ONE MINUTE WIND SPEED. THIS STATION IS NOT EQUIPPED WITH AUTOMATIC RECORDING WIND INSTRUMENTS.

15-12-418

2920. Susitna River at Gold Creek

Location.--Lat 62°46'15", long 149°41'20", on right bank 0.2 mile upstream from Gold Creek, 0.3 mile upstream from Alaska Railroad bridge, 1 mile north of Gold Creek railroad station, and 1.7 miles downstream from Indian River.

Drainage area.--6,160 sq mi, approximately (includes that of Gold Creek).

Records available.--Discharge: August 1949 to September 1958.
Chemical analyses: May 1951 to October 1952, October to November 1953, June to September 1955, June 1956, January to September 1957.
Water temperatures: June to September 1957.
Sediment records: April to September 1952 and June to September 1957 (daily); May 1953 to August 1956 (periodic, summer months only).

Gage.--Water-stage recorder. Datum of gage is 676.50 ft above mean sea level. Prior to June 6, 1957, wire-weight gage at site 0.3 mile downstream at same datum.

Average discharge.--9 years, 9,778 cfs (7,079,000 acre-ft per year).

Extremes.--Maximum discharge during year, 49,600 cfs Aug. 3 (gage height, 14.74 ft); maximum gage height, 14.91 ft Dec. 21 (ice jam); minimum discharge not determined.
1949-58: Maximum discharge observed, 58,100 cfs Aug. 26, 1955 (gage height, 14.20 ft), site then in use; maximum gage height observed, 24.48 ft May 10, 1954 (ice jam), site then in use; minimum discharge not determined.
Flood in May 1919 reached a stage of 19.2 ft, result of ice jam, from information by Bureau of Reclamation.

Remarks.--Records poor. Large diurnal fluctuation caused by glacier melt at source.

Discharge, in cubic feet per second, water year October 1957 to September 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12,600	5,300	4,000	2,300	1,400		1,100	5,420			36,800	
2	*10,800	5,200	4,100	2,400	1,400		*1,100	4,040			42,900	
3	10,400	5,100	4,200	2,400	1,400		1,200	4,170			47,800	
4	10,000	5,000	4,300	2,500	1,400		1,200	5,110			47,100	
5	9,500	4,900	4,400	2,500	1,400		1,200	*5,550			36,000	
6	9,600	4,800	4,400	2,500	1,500		1,300	5,500			29,100	
7	9,430	4,600	4,400	2,500	1,500		1,300	6,100			28,600	
8	9,870	*4,400	4,300	2,400	1,500	1,200	1,400	7,010			a27,000	a8,500
9	9,740	4,270	4,200	2,200	1,400		1,400	7,260			a25,000	
10	9,610	4,360	4,100	2,100	1,400		1,300	9,080	a28,000		a24,000	
11	9,340	4,320	4,000	2,000	1,300		1,300	9,430			a25,000	
12	8,880	4,230	3,800	1,900	1,300		1,300	10,800			a22,000	
13	7,770	3,910	3,700	1,800	1,300		1,300	10,400		a22,000	21,900	
14	6,840	3,720	3,500	1,800	1,300		1,400	12,000			21,200	
15	6,610	3,740	3,400	1,800	1,300		1,400	11,200			a21,000	
16	6,740	3,740	*3,260	1,800	1,300		1,400	11,000			a20,000	
17	6,900	3,930	3,110	1,800	1,300		1,500	10,500			a19,000	
18	7,220	3,820	3,000	1,900	1,200		1,500	a10,000			a18,000	
19	7,540	3,680	a2,900	1,900	1,200		1,500	a12,000			a18,000	
20	7,610	3,520	a2,700	2,000	1,200		1,500	13,800	*19,000		a18,000	
21	7,990	3,280	2,600	2,000	1,200		1,400	a17,000			a18,000	
22	8,380	3,090	2,500	1,900	1,200		1,400	a23,000			a17,000	
23	9,000	2,900	2,400	1,800	1,200		1,400	a25,000			a16,000	a6,600
24	8,600	2,900	2,300	1,700	1,200	1,100	a1,500	a23,000			a15,000	
25	7,400	2,900	2,300	1,700	1,200		a1,700	a23,000	a22,000	21,000	a14,000	
26	6,600	3,000	2,200	1,600	1,200		a1,900	a22,000		a19,000	a13,000	
27	6,200	3,200	2,200	1,600	1,200		a2,100	a19,000		a21,000	a13,000	
28	6,000	3,400	2,200	1,500	1,200		2,360	a17,000		a24,000	*12,400	
29	6,200	3,600	2,200	*1,500	-		2,620	a17,000		a32,000	12,000	
30	5,800	3,800	2,200	1,500	-------		3,020	*20,400		*31,800	a11,000	
31	5,400	-------	2,300	1,500	-------		-------	a25,000	-------	32,400	a11,000	-------
Total	254,570	118,610	101,170	60,900	36,600	35,600	46,000	399,770	771,000	709,200	698,800	226,500
Mean	8,212	3,954	3,264	1,965	1,307	1,148	1,533	12,900	25,700	22,880	22,540	7,550
Ac-ft	504,900	235,300	200,700	120,800	72,630	70,610	91,240	792,900	#1,529	#1,407	#1,386	449,300

Calendar year 1957: Max 40,600 Min - Mean 10,760 Ac-ft 7,789,000
Water year 1957-58: Max 47,800 Min - Mean 9,476 Ac-ft 6,860,000

* Discharge measurement made on this day.
# Expressed in thousands.
a No gage-height record; discharge estimated on basis of 4 discharge measurements, weather records, and records for station near Denali, Matanuska River at Palmer, Nenana River near Healy, and Chulitna River near Talkeetna.
Note.--Stage-discharge relation affected by ice Oct. 1 to May 10 (no gage-height record Oct. 4-6, Oct. 24 to Nov. 7, Nov. 23 to Dec. 15, Jan. 18-28, Mar. 1 to Apr. 1; discharge estimated on basis of 5 discharge measurements, weather records, and records for station near Denali, Matanuska River at Palmer, and Nenana River near Healy).

15-12-419

DAILY PRECIPITATION

CONTINUED

ALASKA

Station	Total	Day of month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
PETERSBURG	8.71	.39	.09	.10	.28	1.01	.34	.37	.26	.05	.10		.09	.64	.73	1.90	.16	.29	.19	.17	.91	.17		1.33	.04	.01		.04	.01			
POINT RETREAT LIGHT STA	6.63	.03		.13	1.07	1.15	.07	.22					.03	.22	.21	.76	.10	.29	.15	.03	.22	.10		1.47	.09		.11	.09				
PORT ALEXANDER	19.93	.38	.10		3.82	.59	2.65	.40		T	.06		.44	.67	.51	.11	.65	.18	1.79	.09	3.15	.23	.02	4.20								
SITKA CAA	8.29	.06	.26	.02	.44	.17	.58	.01		T	T		.06	.15	.14	1.52	.37	.22	.45	.26	.17	T	1.38	1.72	.05	.09	.04	.18		T		
SITKA MAGNETIC	8.09	.21	.12	.08	.21	.24	.25	.49			.02			.08	.12	.67	.74	.33	.12	.36	.27	.15	.02	1.48	.06	.04	.03	.19	.05		T		
SKAGWAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WRANGELL	6.70	.13	.10		.38	.33	.56	.38	.13	.13		.03	.04	.14	.07	1.17	.40		.14	.07	.52	.09		1.76		.16				.03		
PACIFIC COAST																																
BEAR COVE	-		.09	T	.06	.49	.28		T	.09			1.29	-	-	-	-	-	-		.10	.04	.01	.02		.02					T	
CORDOVA	30.10	.18	2.89	4.00	2.40	1.05	.16		T	1.80	.05	.05	1.60	.11	1.50	.36	T	T	.11	.55	.01	1.50	.50	2.62	6.12	2.27	.27	T				
CORDOVA WB AP	11.05	.29	1.18	1.18	.18	.27	.01	T	.29	.48	.01	.12	.76	.10	.67	.08	T	.09	.06	.13		.66	T	1.15	2.17	1.20	.03	T	T			
GIRDWOOD	2.91	.33	.61	.23	T	T	.12	T		.39	T	.03	.01	.05	.20	.07	•	•	.02			.29	T	.12	.22	.33					.02	
HOMER CAA	2.89		.02		.23	.93	.12		.05	T	T		.79	.04	.09	.01		.16	.02	T	T	.03		.12	.24	.08						
HOMER 5 NW	3.24		.03	.03	.34	.59	.25		T	.13	.01		1.01	.05	T	.07	.01	.11	.06		.03	.02	T	.14	.29	.07	T	.03				
INISKIN	26.68		.35	.04	.30	.68	.10			.44	.15	1.30	1.30	1.05	.22	.12				.08		1.67	1.40	.20	.79							
KARLUK RIVER	2.60		.03	.14	.26	.19	.01		.04	.11		.11	.13	.31	.11	.04	.81		.08			.04	.10	.11	.31	.16	.11	.04		.01	.01	.06
KASILOF	2.52		.21	.04	.13	.24	.10		.02	.35		T	.04				.03		.02		T			.03	.04	.19						
KENAI CAA	3.61		.30		.36	.16	.01		.98	.19		.12	.73	T	.04	T	T	T		T		.09	T	.03	.05	.19						
KITOI BAY	5.95		.38	.14	.48	.15	.30		.04	.18	.04	.10	•	1.20	•	•					.01	.01	.02	•	.66	.14	.57	.02	T		.09		
KODIAK NAS	5.44		.11	T	.82	.09	T		T	.25	.01	.09	.03	1.16	.26		.01	.30	.09			.04	.04	.30	.57	.04	.41					T	
LARSEN BAY	-				.63							.20	.21	.20			.22															
LATOUCHE	19.52	.09	1.39	1.15	.55	1.41	.43			.84	.28	1.29	.76	1.95	1.51	.35	.24	1.07	.31	.16	.16	1.07	.30	.96	2.00	.63	.67					
MIDDLETON ISLAND CAA	4.48	T	.59	.65	.27	.18	.06			.51		.02	.05	.27	.45	T	T	.07	.36	T	T	.20	T	.11	.70	.04	T					
SEWARD	6.22	.02	.41	.32	.05	.19	.15	.04	T	.84	.03	.14	1.20	.58	.80	.14	.03	.04		T	.08	.51	.22	.47	1.31	.88	.09					
SHEARWATER BAY	6.78	.05		.20	.23	.05			.14	.15		.11	.52	.82	.49	.09		.34	•			2.01	.02	1.48	.08							
STERLING	2.04	.08	.16	.04	.13	.33	.08	T		.30			.33								.86			.02	.22	.26	T					
VALDEZ	6.82	.40	1.46	1.18	.13	.12	.15		.18	.25	.15	.10	.32	T	.44	.07	.16				.21	.10	.10	.18	.25	.32	.43					
WHITTIER	21.96		1.32	2.00	.90	1.30	.85	.11		.85	1.00	.95	1.30	1.98	1.01	.46	1.66		.12		.32	.30	2.00	.32	2.00	.87	.54					
YAKATAGA CAA	10.39	T	.28	.48	.68	1.16	.01	T	.05	.16	T		.07	.45	.65	.27		T	.46	1.79		.57	.09	1.59	1.20	.23	.20	.02				
YAKUTAT WB AP	9.76	.05	T	.58	1.26	1.12	.24	.63	.28	.19			.10	.59	.90	.73	.11	T	.04	.24	T	.44	.12	.67	.58	.01	.08	T					
SOUTHWESTERN ISLANDS																																
ADAK	1.37	.61	.09	.04	.08	T	T	.07	.40	.11	T	T		T				T	T	.07	.16	.08	.06		T	T	T	.03		T	.02	T	
CAPE SARICHEF LGT STA	4.91	.80	.30	.06	.15	T	T	T	.30	T	1.60		T	T					T	T	.50	1.75	T		T		T				T	
COLD BAY WB AP	5.39	1.99	.21	.14	.02	T	.07	.06	.05	.02	.03	T	.08	.09	.16	.60	.01	.34	.37	.04	.57	.35	.06	.13	.08				.01	T	T	.07	.07
ST GEORGE ISLAND	3.72	1.18	.04	.14	.32			.11	.04	.03	.11					.08					.24	.56	.25	.10	.55						.15	
ST PAUL ISLAND WB AP	5.62	1.27	.01	.48		T	.03	.20	.03	.05	.18	.15		T	T	.03	.03	T	.02	.17	.13	.31	.04	.17	.05	T			.11	.05	.11	
SHEMYA WBAS	.39	.01	.01	T	T	T	T	T	.04	.04	T	T	T	T	.10	.13		.01						T	.02	.01	T		T	T		
SOUTHERN VALLEYS																																
ANCHORAGE WB AP	1.67	.21	.45	.04	.26	.20	.01	.05	.01	.21	T		.07	T		T						T		.02	.19	.13	T				T	
ANIAK CAA	7.20	.22	.03		.11	.16		T	.78	.02	.14	.56	.59	.03	.67	1.16	.54		T	.03		.15	.30	.02	.23	.72	T	.04	T		.48	.22	
BETHEL WB AP	3.39	.40	.09	.03	.07	.05		.01	.56	T	.36	.16	.15	.01	.48		.20	T	.08	.07		.04	.01	T	.23	.11	T	T			.19	.08	
BROOKS LAKE	5.01	T	.60	T	.16	.65	.05	.01	.03	.21	.03	.62	.32	.23	.07	.02	.02	.05	T	T		.01		.10	.68	.48	.04	.08	.09	.11		
CASWELL	-	•	4.92	-	-	-	-	-	-	T	-	-	-	-	-	-	T	.19	T	.17		T		-	-	-	.08		-	-	-	-
CHITINA	1.15	.28	T	T	T	T	.43			T				T		T	.03	.05						.09							.07	
ELLUTNA LAKE	1.09	.34	.06	.05			.44									.02	T	.12		T		T		T	.04	.05	.02				T	
ELLUTNA PROJECT	1.44	.15	.21	.27	T	.01	.23	.15	.11	.04						T	.01	.02		.01		T		.03	.21	.15						
ELMENDORF AP BASE	2.18	.35	.63	.02	T	.23	.05	.01	.06	.27	.01		.12	T		T	.01	.02		.01	.25							.15	.16			
EUREKA LODGE	-	.07															.10	.65		.01												
FAIRWELL CAA	4.39	.09	.89	.01	.08	.52	.53		.22	.32	T	T				.55	.01			.70	.01				.10	.08	.02	T	.01	T	T	.19	
GULKANA CAA	2.07	.33	.01	.11	T	.05	.57							.06	.01	T	.73	.14	.02	.01		.04		.10		T	T						
KLAWOCK CAA	4.02	T	.26		.47	.23	T																			.14	.20	.18	.10	.10	T	.29	
KORMAKOF BAY	4.02		.20		.02	.27	.14		.12	.35	T	.50	.29	.39	.03	.06	.02		.23			.24				.04	.01	.21	T	T		.14	
LAKE MINCHUMINA CAA	1.59	.08	.21			.03	.07	T	T	.01	T	T	T	.02		.49		.01	.11	.13	.01		T	T		.04	.01					
MATANUSKA AGR EXP STA	1.14	.06	.27	.19		.33	.24	.11		.07				.03				.04								.02	.04					
MC GRATH WB AP	3.73		.20		.03	.35			.35	.24	.01	.59	.06		.29	.47	.11	.04	.43	T		.01	.08	.03	.17	.11	.03		.18	.01	.05	.07
NYAC	5.22	.02	.34		.03	.03	.03	T	.15	.43	.09	.18	.56		.56	T	1.08	.04	.03	.29	.03	.02	.27	T	.06	.17	.33		.18	.02	T	.20
PALMER	.61	•	•	.61																				T								
PALMER 1 N	1.32	.16	.17	.37			.20	.12		.05						.07		.10								.08						
PALMER 4 SE	.78	.05	.15	.09	T		.01	.43	T	.01								.04			T			T	T					T	
PALMER 5 NW	1.59	.05	.46	.22	T	.03	.15	.14	.02	.08	T		.02		.01	.10		.10	T				T	.01	.05	.15	T				
PURTILLA	-	-	-	-	-	-				.30		T	T	T	T	T	.05					T	T	.03	.02	T	.01			.03	.28	
SHEEP MOUNTAIN	2.13	.40		.25			.72												.46		.07	.23										
SEWARD CAA	3.17	.07	.93	.07	.12	.16	.02	.01	.20	.44			.01	.43		.10			.01	T		.22	.02	.06	.21	.04						
SLANA	3.89	.30	.15	.15	.08		.96	.12	.15							.24	.17	.75	.18													
SLEETMUTE	4.96		.29			.28			.36												.10	.04	.21	.02	T	.56	.24	.03	.03		.32
TALKEETNA CAA AP	3.72	.39	.88	.25	T	.14	.02		.27	.44	T	T	.08	.35	.03	.05	.07	T		.07		T	T		.25	.23					.03	
TANANA AIRPORT	.54					.36				.22																.22						
WASILLA 3 S	2.18	.37	.35	.23		.08	.18	.20		.33						.22																
BERING SEA																																
CAPE ROMANZOF	-	-	-	-	-	T	T	.34	.83	.24	.05	1.21	2.14	.72	T	T		T					.02	T	T		T		T	.10	.71	
DILLINGHAM	4.74				.17				.33		.67	.63	.44	.66		.35	.46	.24	.09	.02		.10	.05	.40	.13							
KING SALMON WB AP	3.38	.04	.39	T	.22	.11			.20	.01	.53	.25	.21	.09	.01	.04	.08		.05	.02		.31	.07	.18	.15	.16	.03	.14			.01	.08
LAKE MERRA	5.39	T	.62		.24			•	•	.17	.53	.84	.48	.37	.14	T	.64	.05	.02			.45	.53	.03	.03						.01	.04
MOSES POINT CAA	5.96	T			.04	.17		T	1.41	.12	.52	.71	.05	T	T	.02	.25	.04		.56	.01	.10	.07	T	T	T	T	.04	T	.11	1.39	.13
NOME WB AP	4.66				T			T	.67	.08	1.18	1.05	.23	.03	T	T	T	T	T	T	T	T	.29	T	T	T	.16	.42	T	.25	1.36	.14
NORTHEAST CAPE	13.68	T		T		T	T	T	.55	.40	.37	.83	.29	.14	T	T	T	.01	T	T	T	T	T	T	T	T	.09	1.09	T	2.10	1.05	4.60
NUNIVAK	2.30	.52	T					.03	.08	.11	.28	.24	.63	.10	.08	.24				T		T					.08	T			.03	
PLATINUM	4.15	.29	.29	.01	.01			T	.14	.10	.40	.43	.44	.07	.33		.09	.13	.20	.09		.21	.02	.03	.16	T	T	T	T	T		.07	.04
PORT HEIDEN	.43	.02	.08	T	.06	T		T	.04	T	T	T	.04	T	.06	T	.03	.02	T			T	T	.08	T	T	T	T	T			
TELLER	2.61							T	.12		.10	.14	.26	.80										.03	.05		.16	.21			.68	.14
UNALAKLEET CAA	4.45								.36		.32	1.35	.44			.01	.25		.11	.03	T	.24	T	.04	.03			.21		T	.16	.27	.03
WALES AP	3.16			T	.02			.01	.51	.04	.21	2.03	.95	.03	T	.01	T	.04	.03	.04	.01	.03	.02	.02	.03	T	.18	.10		.21	.03	.59
YUKON VALLEY																																
ALLAKAKET	1.42	.13			.04	T	.03	.14		.19	.14	.13	.02			.06	.03			T	T		.01		.15	.13	.02	.05	T		T	.17
BETTLES CAA AP	.41	.03		T	T	.03	.10	.02	T	.08	.01	T	T	T	T	T			T	T	T	T		T		T					.03
BIG DELTA CAA	.96	.07	T			.15	.03	.05			.02					.60	T	T	.04	T											T
CIRCLE HOT SPRINGS	.70	T	.10	.10	.04	T	.20	.01	T	.08	T	T			T	T			.06	.01	.09	.01						T	T		T	
COLLEGE MAG OBS	1.34	.21	.08	.12	.09		.05	.38		T	.13						.04											.10	.16		.04	
EAGLE	1.16	.03	.25	.22		.04	.16			.03	.08					.11	.01	.10	.01	.12								T				T
EIELSON FIELD	.83	.18	.03	.02		.29	.03	.08	.02	T	T			T	T	.01	T		.04	T				T	T			T	.03		.07	.01
FAIRBANKS WB AP	.61	.16	.03	.07		.02	T	T	T	.24	T			.01	.01	T			.01	T		T			T	.02	T	.04	T		T	
FLAT	5.09		.10	.18		.40	.40		.09				.40	.50		.12	.93	.12	.32				.22		.65	.28	.08	.03			.25	
FORT YUKON CAA	.97		T	.10	.03					T	T	.01				.01					.35				.37	.10	T					
GALENA	2.66			T	.01	.10			.29	.03	.49	.45	.02			.24	T		.03	T	T		.18	T	.19	.24	T	.03		T	.01	.13
HALF WAY HOUSE	3.14	.39	.32	.63	.06	.07	.04	.01	.19	.12	.01	.01		.19	.07	.02	T	.12	.22	.19	.01	.04			.10	.50	.06	T				
HOLY CROSS	3.38	T	.08	.03	T	.09			.44	.10	.13	.24	.07	.04	.36	.08	.33	.05	.24	T	T	.04	.49	.29	.02					.04	.21	
HUGHES	2.75			.05	.05	.02		.42		.44	.10	.05								1.35	.10		.14		.03						T	
LAKE AIR FORCE BASE	.34	.14	T	.02		.02	.05	.01	T	T	.03				T	.01			.01	T		T			T	.81	T	.04			T	
MANLEY HOT SPRINGS	2.14	.14	T	.17			.13	.23		.24	.11	.10			T	.24				.27	T					•	.31					.18
MC KINLEY PARK	2.04	.75	.12	.08			.43	.01						.01	.04	.16		.02	.11		.07				.15		.06	.01	.03		.04	
MCGRATH VILLAGE	1.08	.16																														
NENANA CAA	1.04	.23	.02	.16		.04	.07		.01	.01	.02			T	.11	.01			.01	T		T		T	.02	.15	.03	.02		T	.10	.07
NORTHWAY CAA AP	2.94	.05	.37	T			.32	T		.08	T			.04	.03	.22	1.24	.31	.19												.02	.03
SUMMIT CAA	2.64	.90	.39	.23	T	T	.05		T	.05	.01	.01	.08	.01	T	.12		.14	.13	T	T	.31	T	.52	.01	.05	T		T			
TANACROSS	1.34	.23						.52	.09					.05	T		.03	.36	.06	.04	T								T			
TANANA CAA	1.44	.01		T	T	T	.19	.04	.09	.10	.22	.02	T	.01		.07	T	T		.01			T	T	T	.44	.03	.01		.02	.16	
TOK	3.78		.10				.30	1.60	T							.80			.63	.50	.05									.01		
TRIMS CAMP	1.97	.76	.07	1.67	.01	.01	.17	.70		.17	.07	.14	T	.03	.17	•	.04	T	.12	.01	.04	T	.02			.15	.03						
UNIVERSITY EXP STA	1.84	.16		.19				.01			.02								.01													
WILD LAKE	2.66	1.12	.08	.03	.10	.11	T	.19	.21	.06	.04	.08	T	T	T	.01	T		T	T	.06	.02	.03		.05	.09	.08	.03	.05	.01	.08	.13
ARCTIC DRAINAGE																																
ANAKTUVUK PASS	1.03	.06	T		.06		T	.06	T	T	.18	T								.08			.06		.14	.10	.20	.10				.09
BARROW WB AP	.77			T	T	.03	.20	T	T	.05	.18	T	T				T	.02	T	T	T	T	T	.17	T	.02	.06	.01	.08	T	T	.03	T
BARTER ISLAND WB AP	.18				T			T	T	T	.12				T	T	.02	T	T	T			T	T	T	T			.02	T	T	
CAPE LISBURNE	3.04		.01		.14	.04	.01		.78	.03	.66	.6	.50	.42	.04	.02	.02	.01	T	T		T	T	.02	.06	T	.10	.03	T	.38	.23	.18
KOTZEBUE WB AP	3.11	T	T	T	T		T		.36	.05	.65	.71	.18	.01			.01		T	T		T	T	T	T	T	.01		T	.75	.16	
WAINWRIGHT	.69							.03	T	.04		.03					T			T	.03	.20		.01							

See reference notes following Station Index.

Susitna R. @ Gold Cr.

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Aug-3- 1958 47,800 c.f.s. peak

15-12-420

DAILY PRECIPITATION

CONTINUED

ALASKA
JULY 1958

Station	Total	Day of month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
PETERSBURG	6.29											.23	.29						.10	.24	1.27	.38	.22	.10	.04	.08	.13			.25	.63	.32
POINT RETREAT LIGHT STA	5.73										.12	.06			.01				.52	.70	1.21	.41	.05	.42			.12	.14		.63	.83	.31
PORT ALEXANDER	11.89										.12	.05							.90	1.41	5.83	.58	.13	.32	.10	.20	.25			.99	.12	.89
SITKA CAA	8.10	T									.42	.38	.44		T	T		.10	.62	.75	.87	1.03	T	.21	T	T	.32			.30	1.42	.42
SITKA MAGNETIC	7.40	T									T	.53	.32	.18	T	.02			.82	.06	1.36	.71	.88	.02	.19	T	.05	.30	T	.02	1.09	1.09
SKAGWAY																	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WRANGELL	3.93											.27	.06						.07	.34		1.46	.40	.07	.02		.19			.28	.63	
PACIFIC COAST																																
BEAR COVE	1.86					.09				.02		.01	.05			.07	.33	.46	.15	.03	.03		.08				.13	.12	.03	.03	.05	.02
CAPE HINCHINBROOK	26.42	1.20				.70		.01		1.20	1.41	.85	.15	1.32		.06	5.27	2.17	.51	1.30	.24	.05	.50	1.10	.29	.05	1.42	6.04	1.32	.02	.05	
CAPE ST ELIAS	25.88	.29				.25	.10	.10		1.05	1.94		.01	1.83	.25	.05	4.14	3.77	.77	1.70	.84		.70	.72	.30		2.03	2.83	1.71	T	.57	
CORDOVA	43.98					.05	.03	.05		.85	2.08	.37		1.26	.10	.05	6.93	3.80	3.41	1.85	2.20		1.13	1.48	2.00	.03	1.25	9.09	5.40	.05	.03	
CORDOVA WB AP //6	16.14	.03			T	.68	T	.06	.01	.54	.69	.01	T	.75	.07	.38	3.44	.97	.76	.12	.12	T	.49	.32	.38		.78	4.62	1.36	.04	.04	.04
GIRDWOOD	3.67					T				.09	.42		T	.17			.94	.32	.21	.17		.01	.04	.12	.37		.18	.30	.12			.08
HOMER CAA	2.48				.01	.14				T	.01		.12			.12	.90	.67	.04	.01			T	.31			.13	.13		.01	T	.08
HOMER 5 NW	4.11	.01			.01	.17		T		.17	.01		.13	T		.01	1.44	.94	.14	.06	T	T	.03	.23	T		.54	.11	.03	T		.08
INISKIN	10.19	.38			.29	.90	.05	.40	.50	.48	.48	.38	.36	.80		.25	.30	1.10	.15	.93			.58	.70	T		.10	1.24	.25			
KARLUK RIVER	2.62	.11		T	.20	.03	.03	.11	.04	.04	.07	T	.21	.01			.85		.30	.11	.14		.07	.05			.02	.11	.03	.01		.06
KASILOF	3.68				.14	.04		T	T	.09	.38	.03		.01			.68	.67	.29	.12		T	T	.11	.03		.39	.48	T	.04	.84	
KENAI CAA	5.02				.05	.07			.04	.14	.38	T		T		.05	1.14	1.01	.31	.29	.02	.02	.19	.12	.04		.96	.24	.04	.04	.03	
KITOI BAY	8.69		.04	.30	1.67	.21	.30	.07	.01	.80	.50	.02	.31	*	*	*	.68	.41	.40	.32	.20		.18	.33	T	T	.59	.24	.14	.12	.03	.18
KODIAK NAS	8.29	.49	.20	.23	1.06	.28	.12	.06	.16	.81	.17	.06	.54			.43	.53	.27	.19	.35	.05		.28	.22		.33	.39	.10	.01	.22	.01	.03
LARSEN BAY	1.99	.12		.12		.28					.01						.53	.44	.18								.38					
LATOUCHE	18.87	.06				.39		.09	.01	.80	.25	.05	.13	.95	.01	.07	5.16	.89	.24	.98	.60		.82	1.25	.53	.02	1.68	4.00	.19			
MIDDLETON ISLAND CAA	6.92	T		T		.86		T	T	.67	.02		.06	.13	T	.16	2.16	.49	.22	T	.05		.20	.06			.76	1.80	.05	T	T	
SEWARD	10.26					.72		T	.08	.19	.18	.01	.04	.34		.83	2.09	.53	.33	.30			.29	1.15	.40		.62	2.91	.32			T
SHEARWATER BAY	9.96	.71	.06	.08	1.05	.76	.44	.33	.09	.77			.67	.84		.19	.85	.16	.37	.14	.06		.61	.69		.37	.96	.23			.10	
STERLING	3.73				.08	.06				.14	.57	.01	.03				.92	.36	.18	.25	T	T	.08	.09	.16		.25	.07	T	.19	T	.11	
UGANIK BAY	3.74	.39			.13		.07			.20	.28		.31			.06	.65	.30	.07	.10		.10		.19		.37	.02	.04	.31	.09	.14	
VALDEZ	11.53					T				.10	.80	.10		.42	.30		2.00	.83	.22	.49	.18		.27	.59	.29		.10	2.34	1.46	.33	T	.13
WHITTIER	20.27					.44	.30		.17	.28	1.39	1.24		.83	.61		1.39	1.10	1.08	1.53	.42		1.05	1.05	2.04	1.05		2.05	2.03	.20		
YAKUTAT WB AP	10.48				T	T				T	.48	.44		.04	.32	.07	2.02	2.08	.44	.68	1.39		.50	.29	T		.35	.99	3.06	1.17	.29	.08
																	.08	1.86	.18	1.61	.89	.24	.34	.56	T		.45	.44	1.27	.82	.38	.09
SOUTHWESTERN ISLANDS																																
ADAK	3.07	T	.14	T	.05	.25	.04	.02	.08		.54	.05	T	T	T		.28	1.02	.14	.38	.05	T	.07	.12			T	.01	.11	T	T	T
CAPE SARICHEF LGT STA	4.32	.16	.80	.20		.15	T	.15	.25	.36	T	.10	.50	T	T	T	T	T	.32	T		.32	T	T		T	T		T	.75	.30	T
COLD BAY WB AP	3.07	.11	.01	T	T	.30	.32	.07	.03	.22	.01	.16	.13	.04		T	T	T	.14	.09	.03	.39	.28	.01	T	.13	.09	.02	.24	.05	.11	.13
ST GEORGE ISLAND	1.12		.10	.18	.39	.12								.12					.03						.09	.13					
ST PAUL ISLAND WB AP	2.08		1.01	.06	.39	T	.04	.05	.05	T			T	T	T	T		T	T	.03	T	T		.02	T	T	.16	.15	T	.12	T	T
SOUTHERN VALLEYS																																
ANCHORAGE WB AP	4.44					.01		T	.01	.32	.29		T	.05		.02	1.53	.31	.07	.24	T	T	.09	.16	.05		.58	.47	T	T	.02	.02
ANCHORAGE 6 ESE	4.48	T			T			T	.02	.19	.22		.03	.13			1.05	.53	*	*	.22		.02	.03	.31	T	.24	1.12	.02	.12	.01	.04
ANIAK CAA	2.19	T			.03	.06		.06	T	.11	.07	T	.17	.40	.20	.10	.01	.39	.03	T	T	T	.20	.01	.01		.10	.11	.08	.05	T	
BETHEL WB AP	2.28				.09	.30	T	.28	.06	.06	T		.44	.22	.33	.01	T		.21	T	.04	.01	T	.01			.02	.07	.08	.02	.03	T
BROOKS LAKE	1.88	T	T					.06	T		.91	T	.07	.09	T	.02	T	.01	T	T	.10	T	.25	*	.01	.12	.03	*	*	.13	.03	.01
CASWELL	*					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
CHITINA	1.01									.06				.04			T		T				T				T	.05	T	.47		.24
EELUTNA LAKE	1.00										.17						.72														.55	.06
EELUTNA PROJECT	2.18					T				.06	.11	.04		.22	T		.68	.16	.22	T	.01	.18	.08	.01	.02		.08	.07	.04	.04	T	.12
ELMENDORF AF BASE	4.94					.06		T	.02	.25	.33	T	T	.06		.05	1.42	.35	.08	.26	T	T	.03	.17	.20		.38	.82	.02	.19	.02	.05
EUREKA LODGE	1.33										.01										.32						.20	.25		.31		.24
FAREWELL CAA	2.79	.33	T						T		.02	.03	.01	.31	T	.11	T	.10	.02	.39	.35	.04	.03	T	.15	.10	T	.07	.15	T	.58	.12
GULKANA CAA	1.73							.12			.33	.06	T	T	T	.03	.22	.04	T	.35	.37		.07	T			.02	.21	.16	.11	
ILIAMNA CAA	2.64	.09			.13	.02	.04	.06	T	.08	.46	.21	.12	.15	T		T	.25	.02	.07	.05	T	.07	T			.32	.39	.25	T	.04	T
KODIAK WB AP	2.36	.10			.08	.31	T	T		.39		.45	.10	.04			.07	T		.12		.04	.06	.07			.05	.15	.10	.05	.18	T
LAKE MINCHUMINA CAA	1.02	T	T	T		T		.21	.17	T	.33			.08	T	.01	.02		.13	.41	T	.09	.03	T	.04	.18	.01	T	T	.05	.22	.03	.04
MATANUSKA AGR EXP STA	1.93									.08	.06	.27		.08			.55	.17	.22	T			.07		.02		.02	.07	.09	.06	.02	.15
MC GRATH WB AP	2.88	.07		T		.05		.02	.06	.10	.11	.96	.02	.07	.13	T	.01	.16	.13	T			T	T	.92		T	.02	.04	.31		
MYAC	3.04	.02								.03	.05	.05	.61	T	.36	.07	.11	T	.04	.35	.43		.09	.01	.04			.17	.01	.38	.10	
PALMER	1.44					T				T	.10	.10		.22			.49	.31	.02									.14			.24	
PALMER 1 N	1.93									.06	.04	.18		.31			.60	.20			.02		.05					.14			.25	
PALMER 4 SE	1.39									.03	.05	.05	T	.02	.09		.22	.37	.09			.23	T			.03		.04	.05	.04	.08	
PALMER 5 NW	2.62									.06	.09	.18		.27		.01	.69	.19	.02	.02	.09	.11	.01	T	.09		.02	.47	.04	.03	.03	.22
PUNTILLA																	-	-	-	-	-	-	-	-	-	.02	-	-		T		
SHEEP MOUNTAIN	1.71										.25						.25				.10							.30			.48	
SKWENTNA CAA	5.84					.07		T	T	.30	.26	.02	.03	.34	T	T	.76	.99	.42	.39		T	.26	.41	.03		.62	.77	.41	.05	.01	T
SLANA	3.57													.03			.71	.02	.10			.36							.20	.17	1.41	.35
SLEETMUTE	4.33	.20				.22		.03		.06	.18	.52	.10	.40	.33	.02	.02	.10	.26				.02	1.25	.03	T	T	.40			.13	
SPARREVOHN	3.47	.03				.06		.02	.10	.15	.91	.33	.03	.03	.09	.09	.28	.09	.25	.26	T	.05	.06	.08	.07	.03	.04	.37	.10	.02	.03	T
TALKEETNA CAA AP	3.84					.01			.07	.03	.32	T	T	.09	T	.01	.77	.84	.25	.07	.05	T	.18	.32			.12	.15	.13	.17	.14	.08
TANALIAN POINT	2.82				T				.03		T	.55		T			.32		.09	T							T	1.00	.33	.02	.32	
WASILLA 3 S	1.93																.71	.34	.02						.02	.05		.52	.02	.02	T	.27
BERING SEA																																
CAPE NEWENHAM	4.88	.05				.08	.29	.97	.39	.34	.01	.82	.83	.32	.22	.06	T			T	.18		.50			.03	.39	.05	.01	T		T
CAPE ROMANZOF	1.44	T		T	T	T	T	T	.57	T			.44	.10	.12	T		.02		T	T				.83		T	.19	.07		T	T
DILLINGHAM	5.13				.45	.57	.07	.54	.31	.41			.25	.45	.25	.03			.26	.16			.25	.23			.22	.24		.23		
KING SALMON WB AP //6	1.90	T	T		.02	.07	.16	.24	.05	T	.09		.10	.07			T	.12	T	.02		T	.33	.32		T	.07	.07		T	.29	.16
LAKE NERKA	9.95	.35			.39	.96	.71	2.21	.04	.19	.17	T	.88	.82	.09	.13			.02	.09	.01		.48	.27			.06	.45	.08	.48	T	.19
MOSES POINT CAA	1.72			.02	T	.09		.15	.16		.20	.08	T	.17	.15	.04	T					T		T			T	T			T	
NOME WB AP	1.36			T	T	.22		T	.27	.02	.07	.04	.03	.06	.44	T	.06			T	T	T	T	T	T	T	T	T	T	.06	T	
NORTHEAST CAPE	.06		T	.02		.04		T	T		T		T	T		T	T	T	T		T	T	T	T	T	T	T	T	T	T	T
NUNIVAK	2.29	.01	.01	.29	.01	.04	.43	.32	.04	.03			.22	.17	.10	.23	.05			T	.01								.03			.10
PLATINUM	2.07	.11	.01		T	.07	.19	.40	.16	.23	.04	T	.22	.21	.01	.06				.01			.20	.01			.05	.05	.02	.01		.01
PORT HEIDEN	-																-	-	-				.04	.08		.06	.03		T	T	T	
TELLER	.07								T	T					.01											.02		.04				
UNALAKLEET CAA	2.11					T		.38	.28	.07	.17	.07	T	.16	.13	.06		.03		.06	T		.10	.13	.01	.02		T	T	.39	.04	.35
WALES AP	.82		T	.10	.01	.06	.26		.31	T	.02			.04								T			T	.02			T			
YUKON VALLEY																																
ALLAKAKET	4.14						.24	.48	.48						.48			T	T	.42	.53	.14	.18	1.06	.10	T				.06		.21
BETTLES CAA AP	1.39						.03	.02	.01	T	.01	T		T	.10		T	T	T	T	.05	T	T	.96				T	T	.02	.01	.11
BIG DELTA CAA	1.07					T		T	T		T				.01	T	T	T	T		.02	.20		T				T	T	T	.17	
CIRCLE HOT SPRINGS	4.36	.01	T			.03	.22	.01	.02	.49	.31	.04	T	T	.01	T	T	T	.02	.24	.04	.34	.12	T	.29	.01				.29	1.99	T
COLLEGE MAG OBS	1.91						.01	.10			.05	.25	T		T		T		.02	.05		.08			.14		.08		.13		.73
EAGLE	2.93	T			T		.02	.01	.05	.15	.15	.33				.04	T	T	.10	.09		T	T	.12	1.13	.10	T				.09	.36
EIELSON FIELD	1.89		T	T		.02	T		T	T	T		T	T	T	T	.01	T	.03	T	.01		T	.07		.10	T	.01	T	.13	1.12	.47
FAIRBANKS WB AP	1.48		T	T		T	T				.09			T	T	T	.03	T	.01			.24	T	.35		.03		T	T	.05	.62	
FLAT	2.98	.50				.03			.05	.03	.01	.03	.12	.18	.15	.03	.03	.02	.09		.06		.08	.40	.35				.08	.04	.38	.15
FORT YUKON CAA	.82								T		.01	.38			T			T	T					.20						.23	.24	
GALENA	3.39	.01						.19	T	.14	T	.23		.31	.09	.06	T	T	.12	.28	.14	T	.04	.44	1.03	.08		.10	.01			.01	
HOLY CROSS	2.16					.11		.08	T	.04	.16	T	.24	.02	.11	.21	T	.05	.25	T	.08		.17	.12	.06		T	.06	.07	.24		.07
HUGHES	4.08					.10		.38	.32		.25						T	.10	.77	.15		.02	T	1.30	.48					T	T	.14
LADD AIR FORCE BASE	2.00		T			.04	T				.11				T	T	.04	T	.03				T	.23	.17	T	T	T	T	T	.04	1.24
MANLEY HOT SPRINGS	1.58					T					T				.06	.03	.03	.07	.35	.06	.17	T	.05	.08	.06	.06				.24		.17
MC KINLEY PARK	1.21										.07						.03	.01			.05	.08	.01			.01			.11	.09	.12	.55
MOUNTAIN VILLAGE	1.77	.04				.23			.30	.08	.09	T	.04	.25	.04	.16	.15								.15			.10	T		.12	.04
NENANA CAA	1.26		T						T		.03			T	.01	.03	.07	.10	.03		.02	.03	T	.03	.15	.15	T		T	T	.62	.19
NORTHWAY CAA AP	1.44	T	T			.04	.01				.26	.04	T				.04	.02	T	.04	.33	T	T	.01	T						.70	.23	.25
SUMMIT CAA	2.45		T					T		T	.19		.12	T			.40	.29	.14	T	T	.06	.22	.21	T	T	T	.01	.23	.27	.23	.01	.16
TANACROSS	2.62										.19		T	T	T	T	T	T	T			.45	.15	T						.08	.25	1.34	
TANANA CAA	2.26					T					.14			T	.19	T	T	T	.10	.06	.03	T		.26	.03	T	T	T	.37	.14		.29	
TOK	-																-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
TWINS CAMP	6.39							.06			.37	.13			.21		.17	1.40	.68	.26	.07	.03		.33	T	.25		.08	.61	.31	.82	.32
UNIVERSITY EXP STA	2.23					T	.08	.33			.02	.24			.03		.03	.07	.23	.24		.01	.08	.05	T				.13	.39	.18	
WILD LAKE	2.09			T		T	.10	.33	.14	.44	.14			.01	.07					.16	.01	.01	.02	.40	.03				.09	.04	.28	.06
ARCTIC DRAINAGE																																
ANAKTUVUK PASS	1.22										.11	.03	.16	T	.02	T			.23	.17	.09	T	.03	.35	.04	.03				.04	.26	
BARROW WB AP //6	.59	T		.10	.32	T													.01	T		.03	T			T	T	T	T	T	T
BARTER ISLAND WB AP	.15	T	.02	T	T	T	T	T	T						.13				T			T		T		.11	T		.01	T	.12
CAPE LISBURNE	.62		T	.14	.02	T					T	T	T						.01			T							T	T	
KOTZEBUE WB AP //6	.76					.14			.11	.03	.07	.09		*	.09								.02	.01								

15-12-421

Susitna River at Gold Creek--Continued

Discharge, in cubic feet per second, water year October 1954 to September 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1									17,400	19,000	22,000	23,300
2									16,700	19,000	21,000	*22,600
3									*16,300	17,000	20,000	22,600
4									17,300	34,000	19,000	20,900
5									18,700	32,000	18,000	19,300
6	6,500								19,700	*30,300	17,400	18,700
7									20,700	28,000	17,100	16,600
8		3,000	2,200	2,000	1,400				22,800	26,500	18,800	16,800
9									26,200	28,000	20,800	17,200
10								4,500	30,600	31,000	25,800	16,000
11									37,100	32,000	*28,400	15,300
12									35,500	31,600	27,700	14,800
13	*5,660								33,400	28,100	26,400	14,400
14									32,800	22,700	24,000	13,900
15						1,100	1,200		31,500	24,200	22,300	13,600
16									31,100	24,200	20,700	13,700
17		*2,300							33,700	23,200	15,400	13,600
18								9,800	35,900	21,100	13,600	13,100
19								11,600	36,500	21,000	14,100	12,600
20									36,900	20,400	16,200	11,600
21					1,400			12,800	37,500	20,200	18,900	10,800
22	4,600							14,100	37,500	21,000	21,300	10,100
23		2,500	1,900	1,600	(*)		(*)	16,800	33,700	23,300	24,100	9,670
24								19,500	32,900	25,200	33,600	10,200
25								15,000	32,900	27,600	54,300	10,300
26								17,400	32,000	29,600	56,900	10,200
27								17,500	31,000	29,200	50,700	9,700
28								17,600	32,900	28,600	42,000	9,190
29								17,600	36,000	27,300	35,200	9,090
30								17,600	38,000	26,000	28,800	8,600
31								17,600		23,000	23,800	
Total	166,460	82,800	63,400	55,600	39,200	34,100	36,000	298,900	895,900	854,300	798,300	428,650
Mean	5,370	2,760	2,045	1,794	1,400	1,100	1,200	9,319	29,860	27,560	25,750	14,290
Ac-ft	330,200	164,200	125,800	110,300	77,750	67,640	71,400	573,000	#1,777	#1,694	#1,583	850,200

Calendar year 1954: Max - Min - Mean 9,762 Ac-ft 7,068,000
Water year 1954-55: Max 56,900 Min - Mean 10,260 Ac-ft 7,424,000

Expressed in thousands.

* Discharge measurement made on this day.

Note.--No gage-height record Oct. 1 to May 16 except occasional readings, June 26, 27, June 29 to July 5, July 9-11, July 30 to Aug. 5; discharge estimated on basis of 5 discharge measurements, weather records, and records for Nenana River near Healy and Matanuska River at Palmer. Stage-charge relation affected by ice from about Nov. 1 to May 18.

Discharge, in cubic feet per second, water year October 1955 to September 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8,340							1,500	20,100	27,400		
2	8,600							b1,600	20,100	28,400		
3	7,840							2,600	22,800	28,900	31,000	
4	7,120			(*)				4,000	24,200	29,400		16,000
5	6,610							5,800	25,600	29,900		
6	b6,220							b8,800	27,200	29,600		
7	b5,920							b10,000	33,800	29,800	*30,600	
8	b5,720	2,100						b11,000	49,100	29,800	30,800	
9	b5,560							b12,000	51,500			
10	b5,380							b12,000	49,100			
11	b5,360							b13,000	46,400			
12	*b5,380							b13,000	44,800			
13	b5,090							b14,000	43,600			
14	b4,800							b14,000	42,800		26,000	
15	b4,530			1,300	980	970	940	b15,000	39,800			25,000
16	b4,450							16,000	38,300	32,000		
17	b4,390							17,000	35,700			
18	b4,350							18,000	34,000			
19	b4,310							19,900	33,200			
20	b4,230							28,000	31,600			
21	b4,110							39,400	30,800		*21,100	
22	b3,900							37,500	29,700			
23	b3,900	1,700				(*)		31,800	28,800			
24	b3,900							*31,100	29,000			
25	b3,900							30,400	29,500	*26,600	18,000	14,000
26	b3,710							28,400	28,800			
27	3,500							25,600	28,000			
28	b3,350							22,600	27,800	32,000		
29	3,200							21,900	27,300			
30	b3,000							20,800	26,900			
31	2,800							20,700				
Total	153,470	57,000	40,300	30,380	28,130	29,140	28,500	547,600	#1,000.3	963,800	760,500	550,000
Mean	4,951	1,900	1,300	980	970	940	950	17,660	33,340	31,090	24,530	18,330
Ac-ft	304,400	113,100	79,930	60,260	55,800	57,800	56,530	#1,086	#1,984	#1,912	#1,508	#1,091

Calendar year 1955: Max 56,900 Min - Mean 10,090 Ac-ft 7,302,000
Water year 1955-56: Max 51,500 Min - Mean 11,450 Ac-ft 8,309,000

Expressed in thousands.

* Discharge measurement made on this day.

b Stage-discharge relation affected by ice.

Note.--No gage-height record Oct. 27, 29, Oct. 31 to May 1, May 3-5, except occasional gage readings (stage-discharge relation affected by ice during entire period), July 9-24, July 26 to Aug. 6, Aug. 9-20, Aug. 22 to Sept. 30; discharge estimated on basis of 6 discharge measurements, weather records, and records for Nenana River near Healy and Matanuska River at Palmer.

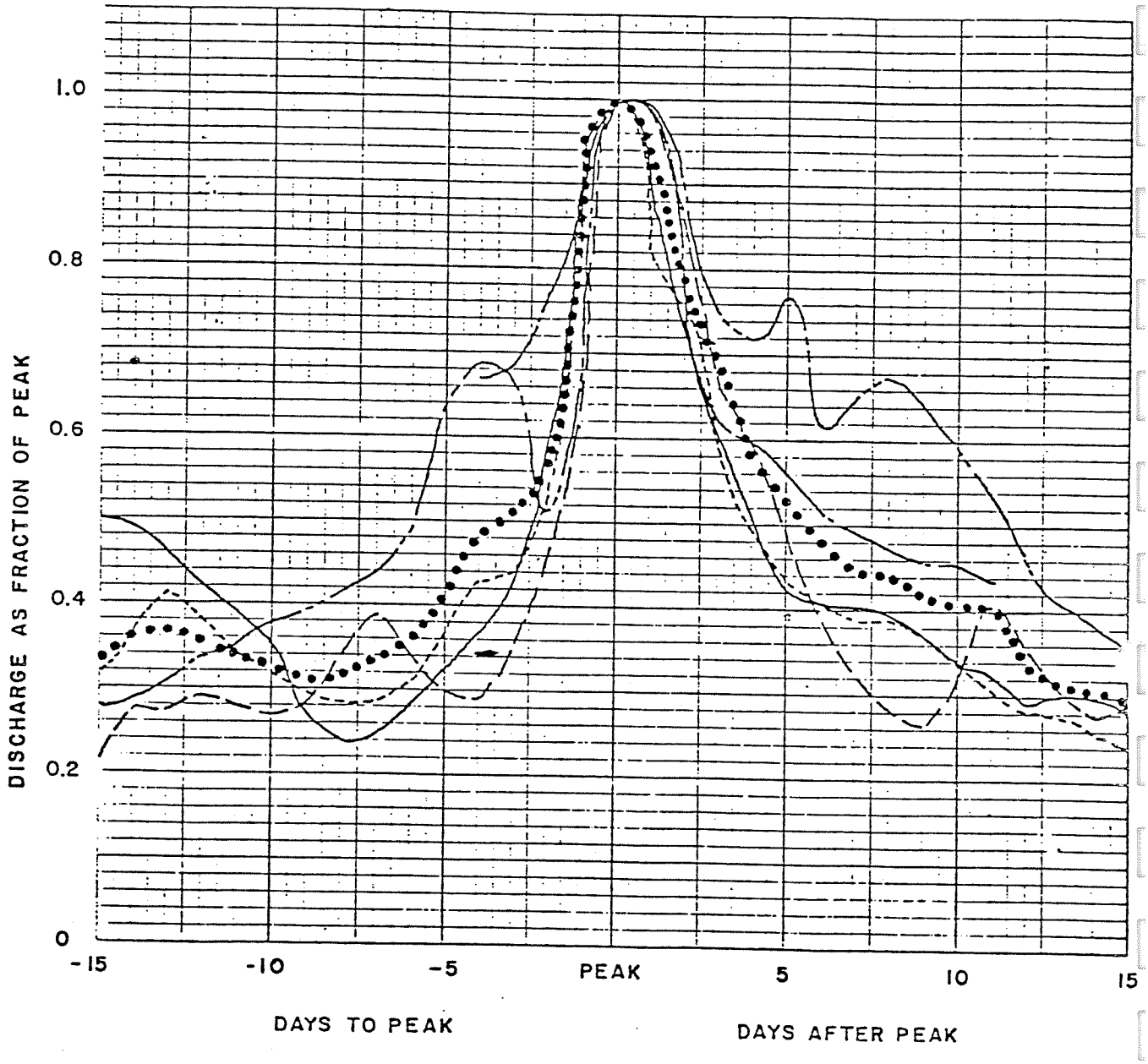
15-12-422

DAILY PRECIPITATION

ALASKA
AUGUST 1955

Day of month

	Total	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31



SUSITNA RIVER AT GOLD CREEK

LEGEND

	Date	Peak Discharge (cfs)
• • • • • • •	Median Curve	
———	Aug 26, 1955	56,900
——·——·——	Aug 3, 1958	47,800
——·——·——	Aug 24, 1959	59,700
- - - - - - - - -	Aug 15, 1967	76,000
— — — — —	Aug 10, 1971	77,700

ALASKA POWER AUTHORI

SUSITNA HYDROELECTRIC PROJE

FLOOD STUDIES

DIMENSIONLESS HYDROGRAPH

AUG - OCT 15-12-42

R&M CONSULTANTS, INC.

MARCH 1981

MONTHLY MAXIMUM DEW POINT TEMPERATURES

ANCHORAGE, ALASKA

1950 - 1981

FROM N.W.S.

Month	Year	24-Hour Average	12-Hour Average
May	1974	45	48
June	1969	54	56
July	1979	57	59
August	1977	59	62
September	1979	54	55

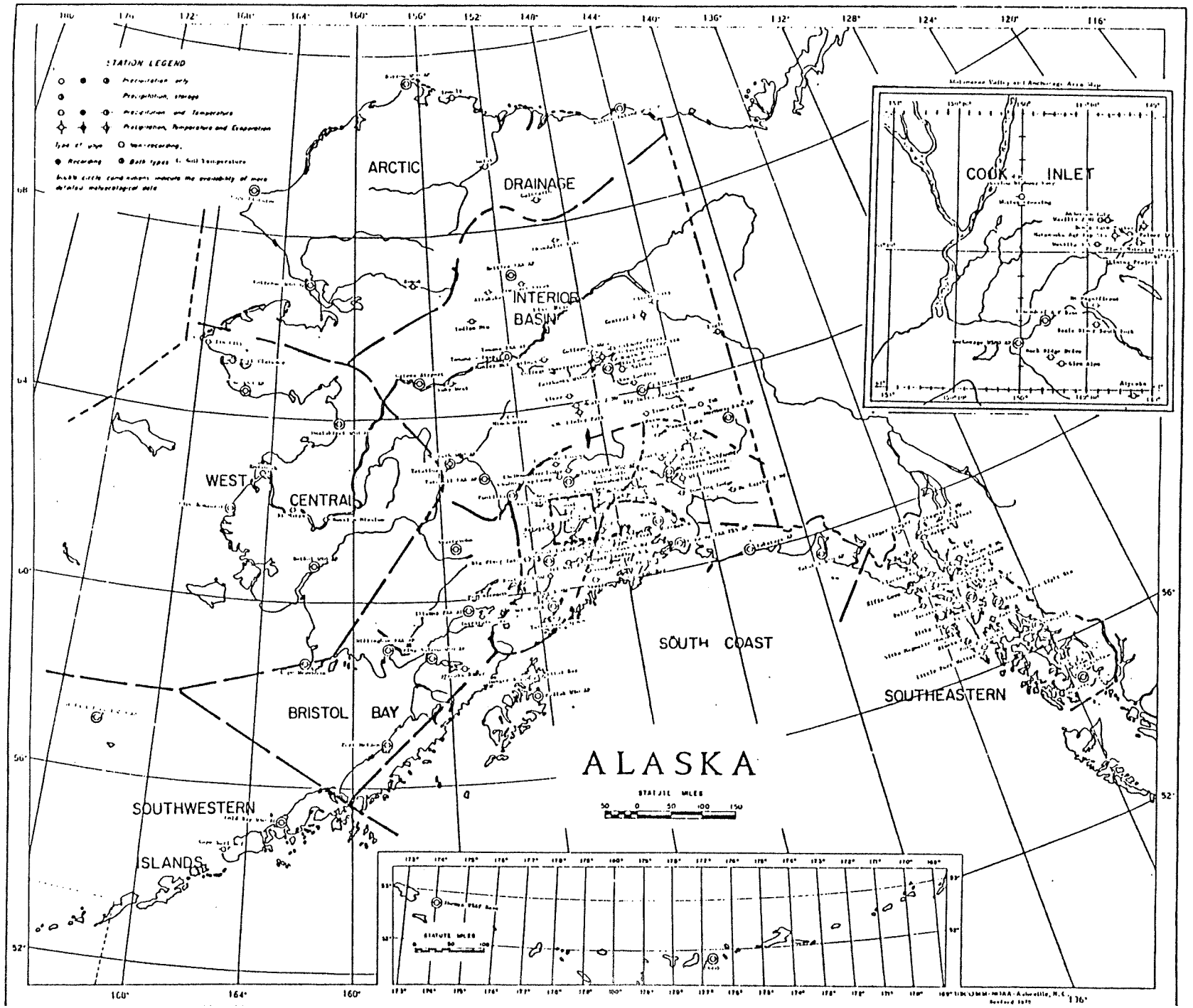
15-12-425

TABLE 1

SUMMER 1980 PEAK DISCHARGES

	Gold Creek			Watana Damsite			Susitna River nr. Cantwell (Vee Canyon)		
	Mean Daily Discharge (cfs)	Instantaneous Discharge (cfs)	Estimated Time of Peak (hr)	Mean Daily Discharge (cfs)	Instantaneous Discharge (cfs)	Estimated Time of Peak (hr)	Mean Daily Discharge (cfs)	Instantaneous Discharge (cfs)	Estim. Time Pea (hr
July 18	38,400	39,500	1030	30,600	31,300	0615	23,800	24,000	18
July 29	49,700	52,000	0430	35,900	37,000	0600	27,900	28,500	08
September 16	28,000	30,500	0500	24,200	25,300	1220	17,400	18,000	16

15-12-434


STATION LEGEND
ARCTIC
DRAINAGE
INTERIOR
BASIN
WEST
CENTRAL
SOUTH COAST
SOUTHEASTERN
BRISTOL BAY
SOUTHWESTERN
ISLANDS
ALASKA
COOK INLET

15-12-427

U S DEPARTMENT OF COMMERCE
NATIONAL CLIMATIC CENTER
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF COMMERCE
COM 210



THIRD CLASS
BULK RATE

CD-50-PD -8203

R & M CONSULTANTS INC
P O BOX 6087
ANCHORAGE, AK 99503

15-12-428

STATION INDEX

ALASKA
JULY 1980

STATION	INDEX NO.	DIVISION	DIVISION	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER
								TEMP.	PRECIP.	EVAP.	SPECIAL (SEE NOTES)	
TOK	9313	08	INTERIOR BSN		63 21	143 02	1620	5P	5P		H	GEORGE JACOBS
TONSINA LODGE	9385	04	COPPER RIVER		61 39	145 11	1500	9A	9A		H	MRS ORLA BRUSS
TRI-NAL ACRES	9421	05	COOK INLET		60 33	150 32	325	6P	6P		H	NELSON C ESHLEMAN
TUTKA BAY LAGOON	9460	05	COOK INLET		59 26	151 25	20	9A	9A		H	AK DEPT FISH & GAME
UMIAT R	9539	09	ARCTIC DRAIN		69 22	152 08	266	9P	9P		H	UMIAT ENTERPRISES INC
UNALAKLEET WSO AP	9564	07	WEST CENTRAL		63 53	160 48	15	2P	2P			NATL WEATHER SERVICE
UNIVERSITY EXP STATION	9641	08	INTERIOR BSN		64 51	147 52	475	5P	5P	5P	H	GENE S DINKEL
VALDEZ WSO	9686	02	SOUTH COAST		61 08	146 21	23	MID	MID		H	NATL WEATHER SERVICE
WALES	9739	07	WEST CENTRAL		65 37	168 03	9	2P	2P		H	WEATHER OBSERVER USNF
WASILLA 3 S	9759	05	COOK INLET		61 32	149 26	50	5P	5P		H	HAROLD DINKEL
WASILLA 2 NE	9765	05	COOK INLET		61 37	149 24	500	6P	6P		H	KEITH POPPERT
WHITE'S CROSSING	9790	05	COOK INLET		61 42	150 00	270	4P	4P		H	MRS NATALIE NORRIS
WILLOW HIGHWAY CAMP	9864	05	COOK INLET		61 46	150 03	230	7A	7A		H	STATE HIGHWAY DEPT
WORTMAN'S	9911	02	SOUTH COAST		61 07	145 49	600	6P	6P		H	JIM SHEPHARD
WRANGELL	9919	01	SOUTHEASTERN		56 28	132 23	37	4P	4P		H	AVIATION WEATHER OBS
YAKATAGA AP	9930	02	SOUTH COAST		60 05	142 30	27	2P	2P		H	ANNA MAE PLUMLEE
YAKUTAT WSO AP R	9941	02	SOUTH COAST		59 31	139 40	28	MID	MID		HJ	NATL WEATHER SERVICE
CLOSED STATIONS												
FAREWELL FAA AP	2988	08	INTERIOR BSN		62 31	153 53	1499	2P	2P		H	CLOSED 02/01/78
MOOSE PASS 6 NW	5895	02	SOUTH COAST		60 32	149 31	659	7P	7P		H	CLOSED 02/01/80
RUBY WEST	8044	08	INTERIOR BSN		64 45	155 29	200	8A	8A		H	CLOSED 03/01/77
NEW STATIONS												
TAHNETA PASS	8945	05	COOK INLET		61 49	147 33	2620	9P	9P		H	DONNA HOLLAND

SEE REFERENCE NOTES FOLLOWING STATION INDEX

15-12-429

REFERENCE NOTES

AL

Additional information regarding the climate of Alaska may be obtained by writing to the National Oceanic and Atmospheric Administration R Climatologist at 632 Sixth Avenue, Anchorage, Alaska 99501 or to any Weather Service Office near you.

DIMENSIONAL UNITS: Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F. In "Supplemental D table directions entered in figures are tens of degrees. Resultant wind is the vector sum of wind directions and speeds divided by the number observations.

OBSERVATION TIME: Data in the "Monthly Extremes", "Daily Precipitation" table, "Daily Temperature" table, and "Evaporation and Wind" table, and snowfal the "Snowfall and Snow on Ground" table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation time local standard time. Snow on ground in the "Snowfall and Snow on Ground" table is at observation time for all except National Weather Service Offices FAA stations. For Weather Service Offices and FAA stations snow on ground values are at 8:00 a.m. All Weather Service Offices and FAA stations' times 150th Meridian Time.

EVAPORATION is measured in the standard Weather Service-type pan of 4-foot diameter unless otherwise noted below in the "Evaporation and Wind" table and Min values in the "Evaporation and Wind" table are extremes of temperature of water in pan as recorded during 24 hours ending at time of observat Wind is the total wind movement in miles over the evaporation pan as determined by a continuous anemometer recorder located 6-8 inches above the pan.

WATER EQUIVALENT values published in the "Snowfall and Snow on Ground" table are the water equivalent of snow, sleet, or ice on the ground. Samples obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variabil in the snowpack may result in apparent inconsistencies in the record.

SNOWFALL: Entries of snowfall in the "Monthly Summarized Data" table, the "Snowfall and Snow on Ground" table, and in the "Seasonal Snowfall" table, inc snow and sleet. Entries of snow on ground include snow, sleet, and ice.

NORMALS for all stations are climatological standard normals based on the period 1941-1970.

DIVISIONS, as used in this publication, became effective with data for September 1956.

STATION NAMES: Figures and letters following the station name, such as 12 SSW, indicate distance in miles and directions from the post office.

SEASONAL TABLES: Monthly and seasonal snowfall and heating degree days for the 12 months ending with the preceding June data will be carried in the issue of this bulletin.

DAILY SOIL TEMPERATURES TABLE:	SOIL TYPE	SOIL COVER	DEGREE OF SLOPE
Palmer LAS	: Silt loam		0%

LATE REPORTS AND CORRECTIONS will be carried only in the June and December issues of this bulletin.

FREEZE-UP AND BREAK-UP information under the heading "Miscellaneous Data" appears in the June issue of this bulletin.

INTERPOLATED VALUES for monthly precipitation totals may be found in the annual issue of this publication.

IN THE DATA TABLES THE SYMBOLS AND LETTERS WHEN USED INDICATE THE FOLLOWING:

- \- No record in the "Supplemental Data" table, "Daily Precipitation" table, "Evaporation and Wind" table, "Snowfall and Snow on Ground" table, Soil Temperatures" table.
  No record in the "Monthly Summarized Data" table and the "Daily Temperature" table is indicated by no entry.
- \+ And also on an earlier date or dates.
- ++ Highest observed one minute windspeed. This station is not equipped with an instrument to measure fastest mile data.
- * Amount included in following measurement, time distribution unknown.
- // Cage is equipped with a windshield.
- ‡ Extreme occurred at station with incomplete data which may have been exceeded.
- 6 Precipitation is measured at 6-hourly intervals.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" table for det daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in H Precipitation Data.)
- T Trace, an amount too small to measure.
- V Includes total for previous month.

IN THE STATION INDEX THE SYMBOLS AND LETTERS WHEN USED INDICATE THE FOLLOWING:

- G "Soil Temperature" table.
- H "Snowfall and Snow on Ground" table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" table.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, this reference indicates that thermometers are exposed in a shelter located on the roof of a building.

Stations appearing in the tables with no data were either missing or received too late to be included in this issue.

General weather conditions in the U.S. for each month are described in the CLIMATOLOGICAL DATA NATIONAL SUMMARY and STORM DATA.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the public "Substation History" for this State, price 35 cents. Similar information for regular National Weather Service Offices may be found in the latest a issue of Local Climatological Data, price 30 cents. Note minimum charge and ordering instructions below.

Subscription Price: $5.85 per year for each section including annual summary; $13.00 foreign; 45c single copy; $1.00 foreign; 45c annual summary; $ foreign. There is a minimum charge of $3.00 for each order of shelf-stocked issues of publications.
Make checks payable to Department of Commerce, NOAA; send payments and orders to: National Climatic Center, Federal Building, Asheville, N.C. 288C ATTN: Publications

USCOMM-NOAA-ASHEVILLE, N.C. 1980-9

15-12-43

STATION INDEX

ALASKA
JULY 1980

STATION		INDEX NO.	DIVISION	DIVISION	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER
									TEMP.	PRECIP.	EVAP.	SPECIAL (SEE NOTES)	
ADAK		0026	03	SW ISLANDS		51 53	176 39	17	MID	MID		H	OFFICER IN CHARGE WX OB
ALLAKAKET		0230	08	INTERIOR BSN		66 34	152 40	600	8A	8A			SIMON NED
ALYESKA		0243	05	COOK INLET		60 58	149 08	250	8A	8A		H	ALYESKA LODGE
AMCHITKA		0252	03	SW ISLANDS		51 24	179 16	200	12M	12M		H	ALEUTIAN NAT WLDLF REF
ANCHORAGE WSMO AP	R	0280	05	COOK INLET		61 10	150 01	114	MID	MID		HJ	NATL WEATHER SERVICE
ANDERSON LAKE		0302	05	COOK INLET		61 37	149 20	495	8A	8A		H	JACK L BUSH
ANGOON		0310	01	SOUTHEASTERN		57 30	134 35	15	5P	5P		H	GORDON V OLSON
ANNETTE WSO AP	R	0352	01	SOUTHEASTERN		55 02	131 34	110	MID	MID		HJ	NATL WEATHER SERVICE
ANNEX CREEK		0363	01	SOUTHEASTERN		58 19	134 06	24	4P	4P		H	GEORGE CONVERSE-ANNEX C
ATTU		0452	03	SW ISLANDS		52 50	173 11E	70	5P	5P			USCG COMMANDING OFFICER
AUKE BAY		0464	01	SOUTHEASTERN		58 23	134 38	42	5P	5P		H	NATL MAR FISHERIES SERV
BARROW WSO AP	R	0546	09	ARCTIC DRAIN		71 18	156 47	31	MID	MID		HJ	NATL WEATHER SERVICE
BARTER ISLAND WSO AP	R	0558	09	ARCTIC DRAIN		70 08	143 38	39	MID	MID		HJ	NATL WEATHER SERVICE
BEAVER FALLS		0657	01	SOUTHEASTERN		55 23	131 28	35	12M	12M		H	KETCHIKAN UTILITIES
BELUGA		0685	05	COOK INLET		61 11	151 02	75	3P	3P		H	L E MC KAY
BEN'S FARM MARKET		0707	05	COOK INLET		61 34	149 08	150	6P	6P		H	BEN VANDERWEELE
BETHEL WSO AP	R	0754	07	WEST CENTRAL		60 47	161 48	125	MID	MID		HJ	NATL WEATHER SERVICE
BETTLES FAA AP		0761	08	INTERIOR BSN		66 55	151 31	644	MID	MID		H	FAA
BIG DELTA FAA/AMOS AP		0770	08	INTERIOR BSN		64 00	145 44	1268	8P	8P		H	FAA
BIG RIVER LAKE		0788	05	COOK INLET		60 49	152 18	40	8P	8P		H	DENNIS BRAHNAM
BROOKS RIVER		1017	06	BRISTOL BAY		58 33	155 47	43	5P	5P		H	NATIONAL PARK SERVICE
CANNERY CREEK		1240	02	SOUTH COAST		61 01	147 31	6	5P	5P		H	WX OBSVR-CANNERY CREEK
CAPE LISBURNE		1312	09	ARCTIC DRAIN		68 52	166 07	45	MID	MID		H	CAPE LISBURNE AFS
CAPE NEWENHAM		1314	06	BRISTOL BAY		58 38	162 04	475	MID	MID		H	CAPE NEWENHAM AFS
CAPE ROMANZOF		1318	07	WEST CENTRAL		61 47	166 03	434	2A	2A		H	WX OBS-C ROMANZOF AFS
CAPE SARICHEF		1325	03	SW ISLANDS		54 36	164 56	175	4P	4P		H	U S FISH AND WILDLIFE
CENTRAL 2		1466	08	INTERIOR BSN		65 34	144 49	960	12M	12M	12M	H	MIKE & JEANETTE CARDER
CHANDALAR LAKE		1492	08	INTERIOR BSN		67 30	148 30	1840	4P	4P		H	ROBERT R AKEMANN
CHULITNA HIGHWAY CAMP		1900	05	COOK INLET		62 24	150 15	500	5P	5P		H	ERNIE SIMMONS
CHULITNA RIVER LODGE		1926	05	COOK INLET		62 53	149 50	1250	8P	8P		H	STEPHEN HANSON
CIRCLE CITY		1977	08	INTERIOR BSN		65 50	144 04	598	8A	8A		H	GORDAN K MAC DONALD
CLEAR		2005	08	INTERIOR BSN		64 18	149 11	580	7P	7P			HAROLD J STEFFEN
CLEAR WATER		2019	08	INTERIOR BSN		64 03	145 31	1100	7P	7P		H	MRS LORETTA NISTLER
COLD BAY WSO AP	R	2102	03	SW ISLANDS		55 12	162 43	96	MID	MID		HJ	NATL WEATHER SERVICE
COLLEGE OBSERVATORY		2107	08	INTERIOR BSN		64 52	147 50	621	8A	8A		H	WX OBSVR-NOAA/ERL
COLLEGE 5 NW		2112	08	INTERIOR BSN		64 56	147 50	950	8A	8A		H	DENNIS TRABANT
COOPER LAKE PROJECT		2144	02	SOUTH COAST		60 23	149 40	445	3P	3P		H	CHUGACH ELECTRIC ASSN
COOPER LANDING 6 W		2149	05	COOK INLET		60 29	149 58	375	8A	8A		H	MRS BETTY FULLER
COPPER CENTER		2156	04	COPPER RIVER		61 58	145 19	1000	5P	5P		H	MRS KATHRINE GODDARD
CORDOVA FAA FSS AP	R	2177	02	SOUTH COAST		60 30	145 30	41	MID	MID		HJ	FAA-PERSONNEL-CHIEF
DANGER BAY		2300	02	SOUTH COAST		58 08	152 33	45	5P	5P		H	INACTIVE 7/31/79
DILLINGHAM FAA AP		2457	06	BRISTOL BAY		59 03	158 31	86	8P	MID		HJ	FAA
EAGLE		2607	08	INTERIOR BSN		64 47	141 12	850	7A	7A		H	JOHN A BORG
EAGLE RIVER SOUTH FORK		2648	05	COOK INLET		61 14	149 26	2140	7A	7A		H	PETE OSTDIEK
EDGEMIRE LAKES		2665	05	COOK INLET		62 32	150 17	760	5P	5P		H	DAVID P JOHNSTON
EIELSON FIELD		2707	08	INTERIOR BSN		64 40	147 06	547	MID	MID		H	EIELSON AFB
EKLUTNA PROJECT		2730	05	COOK INLET		61 28	149 10	38	4P	4P		H	ALASKA POWER ADM
ELFIN COVE		2785	01	SOUTHEASTERN		58 12	136 40	20	5P	5P		H	AVIATION WEATHER OBS
ELMENDORF A F BASE		2820	05	COOK INLET		61 15	149 48	192	MID	MID		H	ELMENDORF AFB
EMMONAK		2825	07	WEST CENTRAL		62 46	164 31	10	7P	7P		H	ELIZABETH M CARDEN
FAIRBANKS WSFO AP	R	2968	08	INTERIOR BSN		64 49	147 52	436	MID	MID		HJ	NATL WEATHER SERVICE
FAREWELL FAA AP		2988	08	INTERIOR BSN		62 31	153 53	1499	2P	2P		H	CLOSED 02/01/78
FIVE FINGER LIGHT STA		3072	01	SOUTHEASTERN		57 16	133 37	30	1P	1P		H	OFF IN CHARGE FFL
FIVE MILE CAMP		3082	08	INTERIOR BSN		65 56	149 50	500	2P	2P		H	WX OBS-FIVE MILE CAMP
FUNTER BAY		3198	01	SOUTHEASTERN		58 15	134 54	20	5P	5P		H	MR & MRS JAMES DOYLE
GALBRAITH		3210	09	ARCTIC DRAIN		68 29	149 29	2666	2P	2P		H	WX OBSVR-GALBRAITH
GALENA AIRPORT		3215	08	INTERIOR BSN		64 44	156 56	120	MID	MID		H	U S AF GALENA
GILMORE CREEK		3275	08	INTERIOR BSN		64 59	147 31	959	9A	9A		H	GUARD PER-NESS COA STN
GLACIER BAY		3294	01	SOUTHEASTERN		58 27	135 53	50	5P	5P		H	NATIONAL PARK SERVICE
GLEN ALPS		3299	05	COOK INLET		61 06	149 41	2260	7A	7A			EDMUND SCHUSTER
GLENNALLEN KCAM		3304	04	COPPER RIVER		62 07	145 32	1456	5P	5P		H	DAVE BUCKANAN
GULKANA FSS/AMOS		3465	04	COPPER RIVER		62 09	145 27	1570	6A	6A		H	NATL WEATHER SERVICE
GUSTAVUS		3475	01	SOUTHEASTERN		58 25	135 44	17	5P	5P		H	GLACIER BAY AIRWAYS INC
HAINES		3490	01	SOUTHEASTERN		59 14	135 26	31	4P	4P		H	AVIATION WEATHER OBS
HAINES TERMINAL		3500	01	SOUTHEASTERN		59 16	135 27	175	3P	3P		H	USARAL WEATHER OBSVR
HEALY 2 NW		3585	08	INTERIOR BSN		63 53	149 01	1490	8P	8P		H	WILLIAM H JONES
HOMER WSO AP		3665	05	COOK INLET		59 38	151 30	63	MID	MID		H	NATL WEATHER SERVICE
HOMER 8 NW		3672	05	COOK INLET		59 45	151 39	1000	6P	6P		H	ALLAN B CRAWFORD
HOONAH		3695	01	SOUTHEASTERN		58 07	135 27	20	5P	5P		H	MARLENE JOHNSON

SEE REFERENCE NOTES FOLLOWING STATION INDEX

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STATION INDEX

ALASKA
JULY 1980

STATION		INDEX NO.	DIVISION	DIVISION	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER
									TEMP.	PRECIP.	EVAP.	SPECIAL (SEE NOTES)	
HOPE		3720	02	SOUTH COAST		60 55	149 38	150	3P	3P		H	MRS PAULINE KOWALKE
ILIAMNA FAA AP		3905	06	BRISTOL BAY		59 45	154 55	186	8P	8P		H	FAA
INDIAN MOUNTAIN		3910	06	INTERIOR BSN		65 59	153 41	1220	MID	MID		H	INDIAN MOUNTAIN AFS
INTRICATE BAY		3933	06	BRISTOL BAY		59 34	154 28	170	5P	5P		H	ART POPE
JUNEAU 2		4094	01	SOUTHEASTERN		58 18	134 24	25	9A	9A		H	WSFO JUNEAU FORECASTERS
JUNEAU FAA AP	R	4100	01	SOUTHEASTERN		58 22	134 35	12	MID	MID		HJ	FAA FSS PERSONNEL
JUNEAU 9 NW		4110	01	SOUTHEASTERN		58 25	134 32	120	5P	5P		H	U S FOREST SERVICE
KASILOF 3 NW		4425	05	COOK INLET		60 22	151 23	70	6A	6A		H	PAUL ESTLE
KENAI FAA AP		4546	05	COOK INLET		60 34	151 15	86	MID	MID		H	FAA
KETCHIKAN	#	4590	01	SOUTHEASTERN		55 21	131 39	80	11A	11A		H	SECURITY POLICE
KING SALMON WSO AP	R	4766	06	BRISTOL BAY		58 41	156 39	49	MID	MID		HJ	NATL WEATHER SERVICE
KITOI BAY		4812	02	SOUTH COAST		58 11	152 21	15	4P	4P		H	AK DEPT OF FISH & GAME
KODIAK WSO AP		4988	02	SOUTH COAST		57 45	152 30	111	MID	MID		H	NATL WEATHER SERVICE
KOTZEBUE WSO AP	R	5076	09	ARCTIC DRAIN		66 52	162 38	10	MID	MID		HJ	NATL WEATHER SERVICE
LINGER LONGER		5506	01	SOUTHEASTERN		59 26	136 17	700	8A	8A		H	INACTIVE 05/31/80
LITTLE PORT WALTER		5519	01	SOUTHEASTERN		56 23	134 39	14	5P	5P		H	JAMES HENDRICKS
LONELY		5544	09	ARCTIC DRAIN		70 55	153 15	10	MID	MID		H	CAMP LONELY HUSKY OPNS
LONG LAKE		5549	01	SOUTHEASTERN		58 11	133 53	980				S	ALASKA POWER ADM
MANKOMEN LAKE		5607	04	COPPER RIVER		62 59	144 29	3025	8A	8A		H	JAMES N KRUCKEBURG
MANLEY HOT SPRINGS		5644	08	INTERIOR BSN		65 00	150 39	275	6P	6P		H	AVIATION WEATHER OBS
MATANUSKA AGR EXP STA		5733	05	COOK INLET		61 34	149 16	150	5P	5P	5P	H	DR CURTIS H DEARBORN
MC CARTHY 1 NE		5754	04	COPPER RIVER		61 26	142 54	1540	2P	2P		H	LESTER HEGLAND
MC GRATH WSO AP	R	5769	08	INTERIOR BSN		62 58	155 37	344	6P	6P	6P	HJ	WSO PERSONNEL
MC KINLEY PARK	#	5778	08	INTERIOR BSN		63 43	148 58	2070	8A	8A	8A	H	NATIONAL PARK SERVICE
MINCHUMINA		5881	08	INTERIOR BSN		63 54	152 16	700	6P	6P			FRANCES M HOLMES
MOOSE PASS 6 NW		5895	02	SOUTH COAST		60 32	149 31	659	7P	7P		H	CLOSED 02/01/80
NELCHINA HWY CAMP		6270	04	COPPER RIVER		61 59	146 52	2485	7A	7A		H	DAVID BEAUBOIN
NOME WSO AP	R	6496	07	WEST CENTRAL		64 30	165 26	13	MID	MID		HJ	NATL WEATHER SERVICE
NORTH POLE		6581	08	INTERIOR BSN		64 45	147 20	475	9P	9P		H	RADIO STATION KJNP
NORTHWAY FAA AP		6586	08	INTERIOR BSN		62 58	141 56	1713	MID	MID		H	FAA
OLD EDGERTON		6777	04	COPPER RIVER		61 48	144 59	1320	10A	10A	10A	H	MICHAEL J SWISHER
PALMER IAS		6870	05	COOK INLET		61 36	149 06	225	9A	9A	9A	GH	DON POLLOCK INST ARG SC
PAXSON		7097	04	COOPER RIVER		63 02	145 30	2700	8P	8P		H	KRISTY HOWK
PAXSON LAKE		7105	04	COPPER RIVER		62 57	145 30	2750	8A	8A		H	INACTIVE 8/31/79
PELICAN	#	7141	01	SOUTHEASTERN		57 57	136 14	7	9A	9A		H	ELIZABETH CLAUSON
PLANT MATERIAL CENTER		7352	05	COOK INLET		61 32	149 05	67	4P	4P		H	PAT MULLIGAN
PORT ALEXANDER		7557	01	SOUTHEASTERN		56 15	134 39	20	8A	8A		H	PAM & ED DOUGHERTY
PORT ALSWORTH		7570	06	BRISTOL BAY		60 12	154 18	260	6P	6P		H	GLEN ALSWORTH
PORT CHATHAM		7640	05	COOK INLET		59 13	151 45	10	8A	8A		H	NANCY TORSEN
PORT CLARENCE		7669	07	WEST CENTRAL		65 15	166 52	12	1P	1P		H	COMMANDING OFFICER
PORT HEIDEN		7700	06	BRISTOL BAY		56 57	158 37	92	10P	10P		H	FRANK C JENSEN
PROSPECT CREEK		7778	08	INTERIOR BSN		66 49	150 39	1105	2P	2P		H	WX OBS-PROSPECT CREEK
PUNTILLA		7783	05	COOK INLET		62 06	152 45	1832	5P	5P		H	AVIATION WEATHER OBS
RIKA'S LANDING		7989	08	INTERIOR BSN		64 09	145 51	1268	5P	5P		H	CAROL HARING
ROCK RIDGE DRIVE		8025	05	COOK INLET		61 07	149 45	840	6P	6P		H	RICHARD G DREW
RUBY WEST		8044	08	INTERIOR BSN		64 45	155 29	200	8A	8A		H	CLOSED 03/01/77
RUSSIAN MISSION		8054	07	WEST CENTRAL		61 47	161 19	50	8A	8A			NICK ASKOAK
ST MARYS		8105	07	WEST CENTRAL		62 04	163 11	25	5P	5P		H	ST MARYS MISSION HOME
ST PAUL ISLAND WSO AP	R	8118	03	SW ISLANDS		57 09	170 13	22	MID	MID		HJ	NATL WEATHER SERVICE
SALCHA		8140	08	INTERIOR BSN		64 27	146 55	675	6P	6P		H	RICHARD S ROBERTS
SAND POINT		8183	03	SW ISLANDS		55 19	160 31	22	3P	3P		H	SHARON M HAKALA
SEWARD		8371	02	SOUTH COAST		60 07	149 27	35	2A	2A		H	AVIATION WEATHER OBS
SHEMYA USAF BASE	R	8419	03	SW ISLANDS		52 43	174 06E	122	MID	MID		HJ	SHEMYA AFB
SITKA JAPONSKI FAA AP	#	8494	01	SOUTHEASTERN		57 04	135 21	15	MID	MID		H	FAA
SITKA MAGNETIC OBSY		8503	01	SOUTHEASTERN		57 03	135 20	67	4P	4P		H	WILLIS E OSBAKKEN
SITKINAK		8512	02	SOUTH COAST		56 33	154 08	55	8A	8A		H	MR & MRS PAT GUAIGG
SKAGWAY 1 NW		8532	01	SOUTHEASTERN		59 28	135 19	570	5P	5P		H	MRS ALVIN GORDON
SKWENTNA		8536	05	COOK INLET		61 58	151 12	153	8P	8P		H	AVIATION WEATHER OBS
SLANA		8547	04	COPPER RIVER		62 42	143 59	2200	3P	3P		H	THELMA SCHRANK
SNOWSHOE LAKE		8594	04	COPPER RIVER		62 02	146 40	2410	8P	8P		H	PATTI BILLMAN
SOURDOUGH 1 N		8625	04	COPPER RIVER		62 32	145 31	1960	6A	6A		H	MRS CECILIA CHMIELOWSKI
SPARREVOHN		8666	06	BRISTOL BAY		61 06	155 33	1580	MID	MID		H	RCA-SPARREVOHN
SUTTON 2 E		8915	02	SOUTH COAST		61 43	148 53	550	2P	2P		H	RODNEY L JOHNSON
TAHNETA PASS		8945	05	COOK INLET		61 49	147 33	2620	9P	9P		H	DONNA HOLLAND
TALKEETNA WSO AP		8976	05	COOK INLET		62 18	150 06	345	8P	8P		H	NATL WEATHER SERVICE
TANANA FAA AP		9014	08	INTERIOR BSN		65 10	152 06	232	8P	8P		H	FAA
TATALINA		9035	08	INTERIOR BSN		62 54	155 58	964	MID	MID		H	JOHN PADOVAN
TENAKEE SPRINGS		9121	01	SOUTHEASTERN		57 47	135 14	20	2P	2P		H	JONI GATES
TIN CITY		9249	07	WEST CENTRAL		65 34	167 55	269	MID	MID		H	TIN CITY AFS

SEE REFERENCE NOTES FOLLOWING STATION INDEX

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EVAPORATION AND WIND

ALASKA
JULY 1980

STATION		DAY OF MONTH 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL OR AVG.
COPPER RIVER 04																																	
OLD EDGERTON	EVAP	.15	.15	.24	.12	.15	.19	.10	.12	.20	.16	.21	.04	.05	.14	.13	.10	.19	.12	.08	.08	.14	.15	.17	.33	.18	.08	.12	.06	.03	.09	.05	4.12
	WIND	12	6	40	13	9	53	22	21	24	12	54	49	19	4	6	12	10	2	2	2	4	11	9	16	15	15	55	30	23	5	7	562
	MAX	81	70	85	73	80	85	73	76	64	83	71	67	69	81	86	81	83	65	71	76	84	84	87	91	88	73	75	77	68	68	71	77.6
	MIN	57	54	60	60	59	61	59	58	57	61	59	58	59	60	65	64	60	50	57	58	61	60	62	63	64	59	58	55	56	59	59	59.0
COOK INLET 05																																	
MATANUSKA AGR EXP STA	EVAP	.07	.11	.16	.10	.18	.08	.07	.06	.10	.10	.04	.11	*	.06	-	.04	.04	.11	.18	.15	.18	.15	.17	.18	-	.20	.12	.07	.08	.04	.11	3.278
	WIND	18	18	44	27	28	76	24	23	32	28	84	97	18	17	20	23	13	15	22	18	24	22	19	21	27	15	43	18	27	16	19	889
	MAX	72	81	69	81	64	75	69	71	72	65	64	62	70	76	65	67	77	83	84	85	83	83	86	72	64	79	60	73	61	75	71	72.7
	MIN	52	53	54	54	57	55	58	59	56	55	51	52	55	55	48	56	56	56	58	60	59	59	59	61	59	57	58	54	55	53	53	55.7
PALMER IAS	EVAP	.07	.15	.18	.06	.16	.08	.10	.06	.15	.12	.05	.08	.01	.08	.12	.12	.07	.15	.17	.17	.19	.16	.14	.19	.07	.07	.19	.00	.20	.01	.11	3.48
	WIND	12	15	29	15	22	66	29	19	28	20	73	*	77	20	21	24	10	17	17	15	17	21	23	21	32	12	71	17	31	14	13	801
	MAX	59	70	75	64	76	85	68	69	75	75	62	58	60	62	81	65	68	74	80	81	85	85	85	86	71	65	72	62	80	63	77	72.2
	MIN	50	50	51	52	53	51	52	55	55	55	49	49	51	53	57	53	53	53	56	54	58	60	61	61	59	56	57	55	57	55	54	54.3
INTERIOR BASIN 08																																	
CENTRAL 2	EVAP	.15	.22	.19	.05	-	.24	.06	.09	-	.09	.03	.15	.04	.03	-	-	.28	.19	.12	.23	.13	.14	-	.25	.16	.05	-	.13	.10	-	-	-
	WIND	3	16	15	18	*	26	12	14	*	6	1	2	5	10	-	-	35	24	18	16	9	5	*	27	14	19	*	33	8	-	-	3888
	MAX	74	79	79	69	-	75	71	70	-	65	69	74	67	66	-	-	73	72	72	71	73	73	-	74	70	63	-	65	65	-	-	70.8
	MIN	61	58	57	54	-	52	60	57	-	54	54	60	58	55	-	-	50	51	52	54	52	55	-	53	57	50	-	49	51	-	-	54.5
MC GRATH MSO AP	EVAP	.13	.12	.09	.01	-	-	.15	.01	.03	.05	.01	.01	.13	.06	.01	.05	.10	.15	.16	.12	.19	.22	.30	.23	.13	.09	.06	.06	.09	.05	.11	3.228
	WIND	16	30	47	19	-	30	8	10	12	5	32	5	15	7	5	3	4	4	13	10	9	33	26	9	29	34	69	23	7	8	11	5518
	MAX	80	55	56	65	-	65	74	70	65	65	67	68	77	72	61	71	76	81	81	82	84	81	82	84	71	67	58	64	66	70	72	70.6
	MIN	51	52	48	51	-	57	54	57	55	55	53	54	52	53	55	55	57	60	60	60	60	63	59	62	49	46	52	52	54	57	56	55.0
MC KINLEY PARK	EVAP	.03	.17	.17	.09	.07	.06	.08	.09	.09	.08	.12	.20	-	.03	.06	.07	.07	.02	.19	.19	.15	.15	.12	.14	.02	.07	.08	.04	.01	.10	.07	2.928
	WIND	8	20	23	12	6	20	10	15	8	9	32	31	10	8	6	11	4	2	15	17	14	10	11	9	5	15	8	14	3	15	12	381
	MAX	59	76	76	63	64	62	66	72	67	64	67	66	65	67	66	72	67	68	76	78	78	78	76	77	71	65	64	60	61	62	65	68.4
UNIVERSITY EXP STATION	EVAP	.19	.11	.20	.14	.23	.19	.03	.13	.14	.14	-	.06	*	.27	.09	.26	.09	.14	.09	.33	.14	.22	.19	.33	.17	.12	.00	.03	.06	.26	.17	4.678
	WIND	41	42	47	53	54	41	14	38	35	34	87	-	35	56	36	46	40	48	49	46	37	48	38	42	68	61	29	33	32	62	59	13998
	MAX	75	76	75	70	80	81	77	73	77	80	82	71	73	71	78	77	81	79	77	78	81	80	81	77	87	68	63	66	68	68	68	75.4
	MIN	56	57	58	56	52	60	64	58	58	60	61	59	61	62	59	62	56	55	55	56	56	57	58	59	61	54	58	55	53	53	50	57.3

SEE REFERENCE NOTES FOLLOWING STATION INDEX

15-12-433

SNOWFALL AND SNOW ON GROUND

ALASKA
JULY 1980

STATION		DAY OF MONTH																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
WEST CENTRAL 07																																
WALES	SNOWFALL																											.4				
	SN ON GND																															
ARCTIC DRAINAGE 09																																
BARROW WSO AP	SNOWFALL																									T		T	T	T	T	
	SN ON GND																															
	WTR EQUIV																									T						
BARTER ISLAND WSO AP	SNOWFALL																															
	SN ON GND																															
	WTR EQUIV																									T						
UMIAT	SNOWFALL																															
	SN ON GND																															
	WTR EQUIV																													T		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

1,5-12-434

MONTHLY AND SEASONAL HEATING DEGREE DAYS

SEASON OF 1979 - 1980 — ALASKA

STATION	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL	NORMALS JULY-JUNE
* * *														
INTERIOR BASIN 08														
ALLAKAKET		382		1188	1521	2808		2024	1891	1274	575	318		
BETTLES FAA AP	194	218	655	1154	1435	2721	2472	1742	1751	1221	521	279	14363	15925
BIG DELTA FAA/AMOS AP	118	146	492	925	1216	2360	2267	1335	1347	775	380	218	11579	13698
CENTRAL 2	119	198	702	1134	1524	2510	2532	1967	1822	1226	528	246	14508	
CHANDALAR LAKE		434	907	1303	1799		2600	1968	2049	1402	687	387		
CIRCLE CITY	118	127	683	1120	1521	2499	2693	2063	1939	1363	568	207	14901	
CLEAR		152		1070				1473	1423	949	465	259		
CLEAR WATER	159	252	577	1014	1370	2431	2447	1483	1511	849	473	266	12832	
COLLEGE OBSERVATORY	142	153	550	1000	1299	2279	2358	1441	1439	872	435	258	12225	
COLLEGE 5 NW	158	146	517	957	1184	2162	2241	1365	1372	852	403	265	11622	
EAGLE	152	211	606	1014	1295	2456	2630		1686	1014	487	207		
EIELSON FIELD	156	148	550	991	1334	2401	2401	1458	1461	902	453	229	12484	
FAIRBANKS WSFO AP	124	143	548	1004	1336	2335	2312	1415	1475	868	436	248	12244	14345
FIVE MILE CAMP	182	286	771	1127	1640	2654	2824	1865	1784	1193	537	269	15132	
GALENA AIRPORT	199	205	577	956	1260	2430	2428	1684	1588	1016	498	353	13194	
GILMORE CREEK	244	267	660	1088	1389	2356	2347	1489	1457	928	531	327	13083	
HEALY 2 NW	247	200		912	1136	2275	2117	1287	1414	985	502	341		
INDIAN MOUNTAIN	229	244	712	1096	1394	2414	2346	1587	1649	1144	541	328	13684	
MANLEY HOT SPRINGS	179	163	609	1026	1349	2429	2521	1591	1560	1030	481	278	13216	
MC GRATH WSO AP	221	242	555	958	1299	2473	2434	1539	1499	923	533	391	13067	14487
MC KINLEY PARK	325	313	656	1028	1253	2220	2128	1437	1476	1032	682	441	12991	13873
MINCHUMINA		211	579		1435	2351		1574	1610	1012	528	310		
NORTH POLE	149	209	618	1054	1428	2482	2288	1497	1482	905	492	251	12855	
NORTHWAY FAA AP	190	228	633	1138	1705	2644	2655	1930	1646	890	537	253	14449	15634
PROSPECT CREEK	257	297	743	1180	1441	2639	2523	1695	1713	1203	549	361	14601	
RIKA'S LANDING	124	192	564	980	1264	2464	2243	1455	1443	870	482	268	12349	
SALCHA	135	151	529	997	1288	2319	2393	1426	1412	887	465	267	12239	
TANANA FAA AP	176	217	666	1058	1396	2554	2534	1683	1652	1101	501	290	13838	15116
TATALINA	218	276	569	971	1243	2234	2190	1436	1357	869	536	412	12311	
TOK		269	676	1157	1579	2549	2624	1832	1567	994	624			
TRIMS CAMP	303	270		909										
UNIVERSITY EXP STATION	141	144	553	1000	1346	2330	2377	1443	1383	882	445			13797
* * *														
ARCTIC DRAINAGE 09														
BARROW WSO AP	676	579	851	1419	1660	2391	2450	2186	2380	2065	1480	835	18972	20265
BARTER ISLAND WSO AP	688	675	912	1342	1591	2463	2500	2168	2438	2038	1473	858	19146	19994
CAPE LISBURNE	503	413	762	1293	1493	2225	2214	1946	2023	1877	1281	738	16768	
GALBRAITH	395	443	1021	1581	1716	2558	2424	2017		1759	1028	548		
KOBUK	290	255	647	1119	1309	2539								
KOTZEBUE WSO AP	332	282	685	1168	1400	2372	2207	1674	1679	1464	812	520	14595	16039
LONELY	608	669	932		1738	2577	2637	2280	2484	2077	1484	870		
UMIAT	218	275	834	1509	1694	2700	2603	2267	2408	2074	1330	367	18279	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

15-12-438

DAILY SOIL TEMPERATURES

ALASKA
JULY 1980

STATION	DEPTH	TIME	DAY OF MONTH																													AVERAGE
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
PALMER IAS	(IN)																															
(GRASS)	2	BAM	49	50	50	55	56	55	57	53	56	56	57	55	55	56	58	58	57	55	52	58	59	57	58	58	56	56	57	57	56	55	56	55.6
	4	BAM	50	51	53	55	56	56	57	54	56	56	57	55	55	57	59	58	57	56	55	57	59	57	58	58	58	57	58	57	57	56	57	56.2
	8	BAM	50	51	53	54	55	55	57	54	56	57	57	55	56	57	58	58	57	58	58	58	58	57	58	58	58	57	58	57	56	57	56	56.3
	20	BAM	52	50	52	51	50	50	51	50	52	53	54	52	53	54	55	56	54	54	53	53	53	55	54	54	54	55	54	55	53	54	54	53.0
	40	BAM	40	42	42	43	43	43	43	44	46	46	46	45	45	46	47	47	48	47	47	47	46	47	47	47	46	46	47	47	45	45	46	45.4
(FALLOW)	2	BAM	52	52	54	56	57	55	56	56	57	58	53	55	55	57	59	57	56	56	58	60	61	61	61	60	60	59	58	59	58	59	58	57.2
	4	BAM	53	52	55	56	57	55	56	56	56	57	54	54	55	56	56	57	57	56	59	60	60	60	60	58	58	57	57	58	56	57	57	56.6
	8	BAM	53	53	55	55	57	55	56	56	56	57	56	55	55	56	60	58	57	57	58	60	61	60	60	58	58	57	57	58	57	58	57	57.0
	20	BAM	50	50	51	51	51	52	52	53	54	54	54	53	53	53	54	55	54	54	55	56	56	57	57	57	57	56	56	57	56	56	56	54.2
	40	BAM	41	41	42	42	43	43	44	44	45	45	46	46	46	46	46	46	47	47	47	47	48	48	48	47	47	47	47	48	48	49	49	45.8

SEE REFERENCE NOTES FOLLOWING STATION INDEX

15-12-47L

MONTHLY AND SEASONAL HEATING DEGREE DAYS

SEASON OF 1979 - 1980 — ALASKA

STATION	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL	NORMALS JULY-JUNE
* * *														
SOUTHEASTERN 01														
ANGOON		134	336	546	726	1052	1244	816	846	640	497	277		
ANNETTE WSO AP	176	137	280	490	652	854	1050	698	819	612	454	252	6474	7053
ANNEX CREEK	349	329	468	625	844	1162	1476	926	979	736	515	334	8743	9187
AUKE BAY	211	145	366	557	810	1131	1365	880	941	678	441	259	7784	
BEAVER FALLS	164	111	283	515	743	924	1093	799	849	642	457	206	6786	
BIORKA	244	225	277	513	700									
ELFIN COVE	286	242	332	534	722	1050	1191	804	893	687	581	446	7768	
FIVE FINGER LIGHT STA		251	443	561			1232	756	842	627	505			
FUNTER BAY								828	896	665	502	291		
GLACIER BAY	310	286	433	597	819	1145	1303	888	952	726	550	377	8386	
GUSTAVUS			445	619	858		1386			680	438	301		
HAINES	248	162	401	618	847	1269	1470	867	941	661	437	231	8152	
HAINES TERMINAL	241	196	362	575	825	1178	1441	871	961	683	461	260	8054	
HOONAH	219	172	388	572	788	1072	1277	886	900	673	474	281	7702	
JUNEAU 2	254	180	388	576	771	1100	1323	856	919	663	454	246	7730	8106
JUNEAU FAA AP	251	205	415	609	830	1187	1404	895	949	678	477	278	8178	9007
JUNEAU 9 NW	408											427		
KAKE	250	171												
KETCHIKAN	171	113	281	489	689	877	1080	761	843	638	447	219	6608	6985
LINGER LONGER	226	244	481	771	1044	1519	1734	1131	1152	811	565			
LITTLE PORT WALTER	288	234	361	532	719	955	1090	787	867	694	548	299	7364	8069
PELICAN	294	232	383	559	779	1100	1239	848	903	712	586	417	8052	
PORT ALEXANDER					702	926	1060	736	844	666	545	325		
SITKA JAPONSKI FAA AP	209	164	255	466	619	959	1033	693	806	619	501	351	6675	
SITKA MAGNETIC OBSY	248	197	289	500	684	1010	1106	748	844	634	537	361	7158	8132
SKAGWAY 1 NW	236	177	373	577	854	1261	1493	892	978	650	426	240	8157	
TENAKEE SPRINGS	212	153	355	577	804	1131	1243	926	837	697	529	282	7746	
WRANGELL	212	172	287	490	719	949	1199	739	836	577	407	174	6761	8010
* * *														
SOUTH COAST 02														
CANNERY CREEK	281	298		710		1538	1518	1034	1031	825	738	452		
COOPER LAKE PROJECT	200	227	418	700	894	1510	1484	1027	1097	778	630	400	9365	
CORDOVA FAA FSS AP	285	320	418	670	861	1372	1381	893	972	726	607	329	8824	9765
HOPE	173	228	422	778	1023	1749	1698	1105	1131	804	602	395	10108	
KITOI BAY	229	267	408	668	877	1320	1214	947	981	801	685	419	8816	
KODIAK WSO AP	200	236	357	597	785	1177	1090	877	879	720	611	361	7890	
MOOSE PASS 6 NW	247	303	528	837	1071	1969	1865							
SEWARD		273	391	681	829	1410	1297	934	1009	772	668	404		9242
SITKINAK						1197	1156	944	955	812	691	517		
SUTTON 2 E	221	273	452	809	1070	1818	1654	1071	1179	767	614	366	10294	
VALDEZ WSO	287	326	449	724	948	1397	1353	1016	1032	762	617	405	9316	10545
WORTMAN'S	285	292	474								660	420		
YAKATAGA AP	295	308	387	583	823	1177	1251	849	913	726	636	440	8388	
YAKUTAT WSO AP	284	308	420	609	800	1160	1249	844	916	698	598	398	8284	9533
* * *														
SOUTHWESTERN ISLANDS 03														
ADAK	459	401	458	681	840	924			912	905	762	560		
AMCHITKA				750	881	949	1035	1021	1002	957	837	684		
ATTU			475	677	880	973	971	966	910	894	746	558		
CAPE SARICHEF							1074	1073	944	914	790	608		
COLD BAY WSO AP	387	400	474	712	893	1179	1279	1143	964	876	726	569	9602	9865
ST PAUL ISLAND WSO AP	497	444	501	667	843	1030	1165	1190	1030	1016	823	608	9814	11119
SAND POINT												541		
SHEMYA USAF BASE	576	478	535	757	925	1011	1051	1075	1013	940	803	761	9925	9735
* * *														
COPPER RIVER 04														
COPPER CENTER							2229							
GAKONA 1 N	161													
GLENNALLEN KCAM	217	252	532	966	1246	2332	2229	1455	1410	982	614	321	12456	
GULKANA FSS/AMOS	215	218	540	944	1220	2307	2164	1412	1397	849	577	302	12145	13938
MANKOMEN LAKE	357	361	632	1003	1343	2204	2147	1469	1592	1126	825	529	13588	
MC CARTHY 1 NE	228	271	531	895	1244	2179	2149	1361	1330	863	609	334	11994	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

15-12-437

MONTHLY AND SEASONAL HEATING DEGREE DAYS

SEASON OF 1979 - 1980

ALASKA

STATION	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL	NORMALS JULY-JUNE
NELCHINA HWY CAMP	302	375	704	1125	1484	2376	2140	1498	1598	1049	776	471	13898	
OLD EDGERTON	208	230	550	924	1198	2239	2162	1432	1394	857	606	314	12114	
PAXSON	339	394	653	1061	1358	2280	2130	1469	1602	1050	753	449	13538	
PAXSON LAKE	297	328												
SLANA	194	285	564	998	1391		2015	1417	1321	868	586	327		
SNOWSHOE LAKE	290	318	631	1087	1480	2357	2223	1582	1586	1052	739	449	13794	
SOURDOUGH 1 N	267	344	617	1089	1362	2382	2346	1542	1487	950	707	432	13525	
TONSINA LODGE	214	252	605	1015	1312	2279	2181	1514	1461	899	652	354	12738	
* * *														
COOK INLET 05														
ALYESKA	203	256	398		932	1594	1586	1037	1130	811	656			
ANCHORAGE WSMO AP	138	184	384	735	937	1704	1568	1083	1164	764	592	347	9600	10911
ANDERSON LAKE	206	242	438	747	995	1781	1654		1194	716	575	347		
BELUGA	201	264	416	717	980	1772	1611	1117	1150	761	593	352	9934	
BEN'S FARM MARKET	170	217	401	748	969	1884	1674	1058	1149	733	550	296	9849	
BIG RIVER LAKE	183	261	372	733	979	1656	1656	1080	1132	779	641	343	9815	
CHULITNA HIGHWAY CAMP	178	230	450	803	1102	1820	1669	1076	1183	783	584	320	10198	
CHULITNA RIVER LODGE	178	241	512	900	1185	1870	1765	1232	1363	945	696	426	11313	
COOPER LANDING 6 W	205	246	450	741	995		1731	1102	1118	764	624	373		
EAGLE RIVER SOUTH FORK	379	336	512	848	1028	1740	1604	1067	1273	906	731	502	10926	
EDGEMIRE LAKES	124	205	450	835	1141	1951	1727	1089	1215	803	585	314	10339	
EKLUTNA PROJECT	190	250	458	804	968	1880	1764	1119	1201	726	545	297	10202	
ELMENDORF A F BASE	237	256	452	786	966	1761	1641	1136	1200	776	622	386	10219	10905
GLEN ALPS	381	342	569	859	1039	1645	1583	1089	1246	918	803	539	11013	
HOMER WSO AP	302	316	422	692	861	1432	1426	966	1014	768	638	446	9285	10364
HOMER 8 NW	313	287	440	832		1536	1504	1034	1105	855	739	487		
KASILOF 3 NW	350	377	529		1004	1771	1756	1184	1227	820	691	491		
KENAI FAA AP	252	282	426	731	983	1759	1685	1128	1190	746	585	407	10174	
MATANUSKA AGR EXP STA	202	227	420	756	960	1826	1624	1050	1115	707	553	333	9773	10849
PALMER IAS	192	219	412	760	964	1735	1691	1069	1155	725	566	322	9810	
PLANT MATERIAL CENTER	181	240	464	839	1046	2014	1931	1101	1192	842	601	287	10739	
PORT CHATHAM										730				
PUNTILLA	282	399	653	1013	1375	2104	1900	1406	1479	1071	824	536	13042	
ROCK RIDGE DRIVE	220	268	467	800	1009	1777	1746	1075	1188	812	644	391	10397	
SKWENTNA	193		459	805	1157		1894	1233	1295	823	600	348		
TAHNETA PASS	334	391	637	1063	1366	2094	1897	1376	1514	1043	778	480	12973	
TALKEETNA WSO AP	152	216	470	852	1131	1949	1790	1177	1273	816	597	334	10757	11708
TRI-NAL ACRES	221	310	474	789	1054	1902	1784	1155	1204	835	661	432	10821	
TUTKA BAY LAGOON				774	900	1439				835				
WASILLA 3 S	134	191	393	758	906	1774	1598	1005	1055	702	533	290	9339	
WASILLA 2 NE	198	242	445	782	1000	1842	1634	1065	1152	733	581	379	10053	
WHITE'S CROSSING	170	220	505	906	1110	2095	2081	1304	1356	871	649	385	11652	
WILLOW HIGHWAY CAMP				873	1162		1985	1265	1351	806				
* * *														
BRISTOL BAY 06														
BROOKS RIVER	239	270	487	750								397		
CAPE NEWENHAM	404	365	467	733	935	1569	1610	1237	1185	973	788	660	10926	
DILLINGHAM FAA AP	255	321	467	805	1063	1808	1632	1297	1224	871	706	517	10966	
ILIAMNA FAA AP	200	260	421	739	965	1803	1768	1233	1169	837	654	409	10458	
INTRICATE BAY	212	284	430	744	978	1791	1915	1273	1181	847	651	391	10697	
KING SALMON WSO AP	214	274	441	788	1063	1872	1733	1276	1157	852	716	479	10865	11582
PORT ALSWORTH	189	252	447	740	981	1903	1906	1226	1192	792	587	367	10582	
PORT HEIDEN	321	260	432	698	898	1477	1476	1224		887	703	525		
SPARREVOHN	308	325	570	914	1141	1990	1809	1324	1307	913	703	504	11808	
* * *														
WEST CENTRAL 07														
BETHEL WSO AP	345	361	600	952	1186	2073	2007	1532	1382	1029	682	552	12701	13203
CAPE ROMANZOF	504	422	604	888	1114		1695	1495	1323	1235	846	706		
EMMONAK	326	350	600	945	1200	2156	2099	1649	1402	1263				
NOME WSO AP	435	360	606	935	1207	2134	1990	1501	1459	1229	668	631	13155	14325
PORT CLARENCE												681		
RUSSIAN MISSION	371	360	623	974	1256	2319	2232				711	567		
ST MARYS	363	332	564	929	1196	2123	2023	1511	1339	1020	631	559	12590	
TIN CITY	593	502	769	1085	1328	2133	2110	1777	1879	1736	1106	788	15806	
UNALAKLEET WSO AP				911			2225	1509		1012				14027
WALES		467	749	1038	1306	2098	2101	1757	1905	1732	1123	773		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

15-12-438

DAILY TEMPERATURES

ALASKA JULY 1980

STATION		DAY OF MONTH																													AVERAGE
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
NOME WSO AP	MAX	66	54	49	52	56	52	65	58	56	64	65	53	50	51	51	57	64	71	67	65	70	70	70	68	55	54	54	60	67	66	69	60.3
	MIN	45	49	44	42	51	44	44	48	44	47	46	44	47	47	45	43	44	43	50	47	49	54	49	49	49	50	49	47	49	50	54	47.2
PORT CLARENCE	MAX	55	53	50	40	54	56	57			62	56	56		52	51	50	54	56	54	64	63	68	71	68	63	66	62	61	65	63		58.1
	MIN	48	48	40	36	38	40	42			45	55	52		50	43	43	46	49	46	52	59	55	58	59	46	43	45	40	45	52		47.1
RUSSIAN MISSION	MAX	71	61	49	53	60	56	56	56	59	55	58	65	72	56	52	60	68	74	77	81	77	80	79	78	79	69	57	52	55	60	64	64.2
	MIN	49	45	43	44	45	44	45	44	39	45	46	48	40	45	45	38	41	51	53	50	55	51	53	50	46	50	45	46	49	51	50	46.3
ST MARYS	MAX	71	61	52	58	55	58	54	58	61	66	63	66	68	54	52	61	73	77	79	79	77	79	83	74	77	64	57	57	61	68	68	65.5
	MIN	49	45	41	47	48	46	42	44	54	44	45	42	45	46	42	41	43	49	52	46	44	49	46	47	47	50	47	42	45	49	48	46.0
TIN CITY	MAX	57	54	45	45	55	51	54	48	47	45	52	48	44	45	49	49	51	57	51	56	58	61	65	53	49	48	49	46	52	49	47	51.0
	MIN	45	45	40	40	40	40	41	42	41	41	41	42	42	42	40	40	43	42	44	47	45	48	47	45	44	46	39	37	44	43	40	42.5
UNALAKLEET WSO AP	MAX	71	71	60	56			60	65	59	65	60			57	54	59	60	66			74	74	71	65	66				67	68	67	64.3
	MIN	46	50	46	46			46	47	43	42	42			48	47	42	42	49			48	53	50	45	54				47	47	48	46.7
WALES	MAX	54	59	50	51	51	55	48	48	47	47	49	53	48	47	49	50	53	50	53	61	58	60	62	61	52	52	50	45	51	52	47	52.0
	MIN	44	43	44	42	40	45	42	41	42	45	39	44	45	44	45	44	45	40	46	46	43	43	50	47	45	30	33	34	42	42	41	42.5
INTERIOR BASIN 08																																	
ALLAKAKET	MAX	80	76	79	65	62	74	73	73	72	67	70	69	70	64	70	70	73	79	79	80	78	79	75	82	75	66	64	61	59	66	67	71.5
	MIN	54	54	49	47	49	53	54	53	51	44	40	43	43	49	48	43	46	44	42	44	48	49	44	47	52	44	48	45	42	34	39	46.5
BETTLES FAA AP	MAX	79	80	67	60	73	73	72	69	62	72	60	65	65	65	72	77	78	78	80	77	79	78	81	76	68	64	60	57	65	62	67	70.4
	MIN	58	56	51	50	49	58	55	55	53	49	49	51	47	44	48	55	52	52	51	55	53	53	52	57	50	48	49	46	43	43	45	50.9
BIG DELTA FAA/AMOS AP	MAX	74	77	72	66	60	76	66	64	67	73	74	74	66	68	72	66	71	75	77	73	77	77	80	76	71	66	67	64	66	60	63	70.9
	MIN	52	53	55	50	45	63	58	54	51	53	60	59	55	53	53	54	54	53	44	56	46	54	49	55	53	50	50	48	41	51	47	52.2
CENTRAL 2	MAX	76	84	84	70		77	74	69		69	72	78	67	68			72	73	74	74	74	76		80	62	68		66	65			73.6
	MIN	48	48	52	49	40		55	52		50	49	52	51	51			45	47	59	51	37	49		43	55	46		48	42			48.7
CHANDALAR LAKE	MAX	75	73	73	70	69	72	73	65	67	67	68	63	64	67	60	72	74	75	71	71	73	73	72	72	70	62	60	56	52	54	52	67.3
	MIN	54	39	51	44	35	50	51	53	49	37	42	50	36	46	36	48	38	38	40	35	47	38	51	47	38	32	47	42	34	34	40	42.6
CIRCLE CITY	MAX	77	80	85	83	76	80	80	76	60	68	72	76	68	70	71	78		73	75	75	72		75	84	86	82				59	58	74.6
	MIN	38	48	58	54	48	57	57	55	55	54	50	54	53	51	52	46		41	43	47	41		42	43	57	57				47	46	49.8
CLEAR	MAX	75	76	71	66	77	75	74	68	67	72	73	72	69	68	69	68	74	76	77	77	78	80	81	80			62	63	67	64	63	71.8
	MIN	53	56	51	49	44	63	53	52	49	51	58	57	53	52	45	51	53	50	51	50	53	55	55		51	52		46	41	42	39	50.9
CLEAR WATER	MAX	76	77	67	67	80	79	70	66	70	78	76	75	70	69	75	68	74	77	76	75	79	80	81	79	70	67	67	65	69	64	67	72.6
	MIN	50	52	52	50	37	60	55	52	48	50	56	54	52	46	46	52	43	40	37	50	36	36	37	39	42	48	45	46	31	47	47	46.3
COLLEGE OBSERVATORY	MAX	65	76	80	68	67	80	79	65	54	70	73	80	66	69	66	75	72	80	81	77	80	81	82	83	81	68	65	58	63	67	68	72.5
	MIN	51	49	50	50	49	57	55	50	49	51	52	58	53	53	51	52	49	45	48	49	51	49	53	50	50	50	53	47	45	43	41	50.3
COLLEGE 5 NW	MAX	63	71	77	65	62	78	77	64	60	69	69	77	65	67	64	73	73	78	79	79	78	78	82	82	81	65	64	56	61	66	66	70.6
	MIN	51	50	49	47	45	58	55	51	48	50	53	57	52	52	52	53	52	50	51	50	51	53	55	54	55	46	52	46	47	42	42	50.6
EAGLE	MAX	66	78	82	75	66	77	78	73	60	70	69	73	67	70	71	75	70	70	72	74	73	75	73	78	82	72	69	69	69	68	57	71.6
	MIN	46	42	47	54	44	50	53	56	47	53	48	46	55	52	44	47	43	42	45	42	42	40	44	41	51	48	48	51	38	46	48	46.9
EIELSON FIELD	MAX	76	79	66	66	81	77	65	65	68	73	81	71	67	65	74	70	76	79	79	78	79	80	82	80	71	66	58	63	69	64	64	72.0
	MIN	56	52	54	52	49	59	55	54	50	55	59	59	57	55	47	55	51	49	49	49	53	52	55	53	55	53	53	50	49	48	43	52.5
FAIRBANKS WSFO AP	MAX	74	78	66	66	80	76	65	62	67	71	77	66	70	63	72	69	76	78	76	77	79	79	81	80	67	63	55	61	67	67	61	70.6
	MIN	54	51	49	49	47	57	54	52	51	52	54	56	54	54	50	54	50	51	51	53	53	51	53	54	51	49	50	48	46	47	42	51.2
FIVE MILE CAMP	MAX	83	79	78	66	74	76	70	67	63	69	72	71	71	71	70	73	77	81	75	74	76	81	79	80	78	65	68	64	62	57	60	71.9
	MIN	52	44	46	40	36	60	59	50	48	51	51	52	43	42	40	50	41	43	41	44	46	42	52	50	51	46	53	43	40	42	42	46.5
GALENA AIRPORT	MAX	72	64	55	56	64	64	65	67	66	65	63	73	66	57	60	67	75	80	77	75	70	70	75	75	63	58	57	61	68	69	69	66.6
	MIN	51	50	48	49	55	55	52	55	50	53	51	51	52	53	52	53	50	52	56	55	55	53	54	55	53	53	53	51	48	45	46	51.9
GILMORE CREEK	MAX	62	74	82	65	67	79	76	66	59	65	71	77	65	67	65	72	71	81	78	76	78	78	79	82	79	65	63	56	61	65	67	70.7
	MIN	51	43	41	44	38	51	54	44	47	48	50	52	50	48	50	48	42	40	40	41	43	43	45	43	49	49	52	46	42	35	40	45.5
HEALY 2 NW	MAX	68						70	68	65	66	66	66	70	62	70	64	66	74	78	74	78	74	80	75	68	64	60	62	64	60	63	68.3
	MIN	48	42						48	42	46	52	52	50	50	46	49	48	44	42	40	50	48	44	50	55	45	50	45	45	39	35	46.3
INDIAN MOUNTAIN	MAX	70	78	60	56	72	67	67	65	70	70	61	70	66	59	70	71	78	83	81	78	81	75	79	74	62	60	60	65	64	64		69.2
	MIN	56	53	49	46	49	56	56	53	48	47	51	49	49	50	54	50	50	52	50	51	54	55	53	54	52	49	50	48	41	38		50.4
MANLEY HOT SPRINGS	MAX	75	78	77	63	78	74	68	68	65	72	71	66	72	65	71	75	80	80	79	75	90	81	83	80	77	63	62	64	67	64	65	72.2
	MIN	52	47	50	45	40	50	54	45	50	47	50	52	45	49	48	52	46	42	43	45	43	46	46	44	50	47	50	43	44	34	34	46.2
MC GRATH WSO AP	MAX	70	56	53	59	61	56	63	57	60	60	55	60	72	59	58	68	75	77	77	82	83	90	84	79	60	55	54	59	62	66	68	65.4
	MIN	53	47	45	48	52	49	48	48	46	46	48	53	52	50	48	50	46	47	47	51	49	57	48	52	52	51	49	47	47	48	46	49.0
MC KINLEY PARK	MAX	51	66	70	61	61	68	67	66	66	62	64	65	61	66	63	70	61	67	72	73	73	76	75	78	71	67	60	56	58	60	61	65.6
	MIN	42	36	50	44	36	51	47	38	37	41	49	50	46	46	42	49	48	39	41	57	43	41	42	44	49	44	49	40	40	41	31	43.6
MINCHUMINA	MAX	72	72	61	62	72	69	65	66	66	65	65	61	71	62	69	65	75	76	78	79	82	80	83	82	76							71.0
	MIN	52	46	46	50	52	52	52	50	50	42	52	55	56	52	47	50	55	48	49	55	57	55	56	56	52							51.5
NORTH POLE	MAX	76	79	68		82	78	65	65	69	73	80			72	74	73	78	80	79	80	80	83	84	81	67							74.1
	MIN	52	45	50		39	40	40	48	45	51	52	52			42	52	43	39	40	40	43	42	45	42		48		45	42	36	38	44.3
NORTHWAY FAA AP	MAX	71	78	64	66	78	74	70	67	67	71	69	72	69	71	70	57	57	63	67	71	72	76	77	79	70	65	69	63	68	59	61	68.7
	MIN	43	41	51	45	40	51	52	51	49	49	51	54	50	50	52	50	51	49	50	41	45	39	43	40	50	47	45	47	42	48	47	47.2
PROSPECT CREEK	MAX	76	76	76	62	69	71	72	69	63	66	66	63	64	63	67	68	72	77	78	74	73	74	76	77	72	63	57	56	59	62	60	68.4
	MIN	51	52	49	48	37	56	56	51	50	46	49	47	46	44	43	53	46	47	42	52	54	43	52	47	48	45	43	43	41	35	38	46.9
RIKA'S LANDING	MAX	75	78	67	67	80	78	72	65	70	73	75	71	70	69	75	68	72	77	78	75	79	81	81	79	69	66	66	68	70	64	63	72.4
	MIN	50	42	51	49	38	60	53	50		48	50	54	53	50	48	50	49	43	41	49	42	41	44	41	43	47	49	45	37	46	38	46.7
SALCHA	MAX	75	79	74	69	80	78	70	65	68	73	80	74	68	64	74	69	76	78	81	78	79	82	81	79	74	66	60	61	66	65	63	72.5
	MIN	53	44	48	49	46	55	56	48	46	51	55	53	54	51	44	52	46	43	43	42	49	45	53	46	54	51	52	47	46	48	41	48.7
TANANA FAA AP	MAX	75	75	61	59	73	69	65	69	68	71	63	69	69	64	69	72	78	82	79	77	81	80	82	78	71	62	60	64	66	66	67	70.5
	MIN	55	54	51	44	46	56	55	51	52	47	50	52	46	52	51	52	46	46	46	47	50	56	52	54	51	52	53	50	49	37	34	49.6
TATALINA	MAX	68	56	49	59	61	57	62	56	58	57	55	60	63	53	53	62	76	75	77	81	84	78	83	78	66	55	53	60	61	66	66	64.1
	MIN	53	45	44	47	50	50	47	47	47	47	48	53	50	49	48	49	51	56	60	63	59	61	59	64	51	50	48	48	48	51	50	51.4
TOK	MAX	73	79	74	70	81	79	76	67	71	73	71	72	70	73	73	63	64	59	57	71	76	75	79	81	66	66	68	73	70	59	64	71.1
	MIN	40	44	44	48	33	51	50	50	37	51	50	49	50	53	54	52	51	49	49	38	34	32	34	31	50	44	34	42	35	47	45	44.2

SEE REFERENCE NOTES FOLLOWING STATION INDEX

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DAILY TEMPERATURES

ALASKA
JULY 1980

STATION		DAY OF MONTH																												AVERAGE
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
UNIVERSITY EXP STATION	MAX	74	78	74	66	80	78	73	68	70	73	80	79	70	65	74	72	78	79	79	79	80	82	82	81	72	64	58	63	68	68	63	73.2
	MIN	48	47	45	49	42	53	53	48	47	50	50	51	51	52	59	51	46	45	44	44	46	47	47	47	47	48	50	45	43	43	37	47.6
* * *																																	
ARCTIC DRAINAGE 09																																	
BARROW WSO AP	MAX	44	41	42	41	39	36	36	36	39	42	38	35	35	35	37	43	48	45	40	37	43	39	46	54	36	35	36	33	34	37	41	39.5
	MIN	34	34	34	33	33	30	29	30	32	32	34	33	32	30	33	34	35	34	32	31	33	33	35	35	32	30	28	28	28	29	30	31.9
BARTER ISLAND WSO AP	MAX	41	46	43	43	41	36	37	38	42	41	41	40	38	37	40	39	39	40	40	37	36	39	40	45	52	40	39	36	37	38	36	39.9
	MIN	36	37	37	37	35	32	32	32	34	37	36	35	35	35	34	34	35	36	35	33	32	30	34	33	33	33	33	31	34	35	34	34.2
CAPE LISBURNE	MAX	38	51	58	57	50	51	42	47	49	57	54	43	40	40	48	56	56	54	60	55	55	51	49	63	46	52	48	42	42	45	43	49.7
	MIN	35	35	44	43	41	41	39	39	39	41	43	38	37	37	38	43	44	47	46	50	50	42	43	43	40	46	37	35	36	37	38	40.9
GALBRAITH	MAX																																
	MIN																																
KOTZEBUE WSO AP	MAX	69	64	61	59	61	65	58	57	57	66	60	54	53	56	62	62	63	66	65	62	58	57	59	60	54	56	57	60	59	63	61	60.1
	MIN	45	53	50	48	51	55	50	49	49	52	52	50	47	50	53	54	55	55	57	57	55	52	51	53	47	51	50	49	45	49	49	51.1
LONELY	MAX	40	41	40	47	37	35	38	35	35	39	35	35	35	35	35	38	40	41	38	35	38	41	52	55	49	38	35	34	32	37	35	38.7
	MIN	34	35	35	34	34	32	31	31	32	35	34	34	33	32	32	32	34	33	32	32	31	31	35	38	35	34	29	28	27	30	29	32.5
UMIAT	MAX	74	81	81	67	70	63	56	54	60	67	64	66	59	51	55	61	66	67	60	63	60	62	62	67	63	49	48	44	44	45	44	60.4
	MIN	49	53	57	50	51	43	35	30	31	33	47	42	46	36	37	37	32	34	34	31	38	33	36	42	34	33	37	29	28	27	35	38.1

SEE REFERENCE NOTES FOLLOWING STATION INDEX

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DAILY TEMPERATURES

ALASKA JULY 1980

STATION		DAY OF MONTH 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVERAGE
WORTMAN'S	MAX	68	72	63	71	72	58	60	63	58	64	56	56	67	70	63	61	64	64	71	71	68	75	71	63	62	60	57	55	55	63	63	64.0
	MIN	43	36	47	39	39	48	47	47	46	39	47	43	47	45	50	48	46	42	38	41	50	41	44	52	51	49	48	47	46	46	47	45.1
YAKATAGA AP	MAX	57	59	60	62	62	60	56	59	60	61	57	57	59	58	58	58	58	61	63	63	62	65	67	60	59	57	57	57	58	58	57	59.5
	MIN	40	39	44	45	42	52	52	50	48	45	51	51	53	52	51	51	49	50	45		54	47	55	52	49	49	51	51	50	52	51	49.0
YAKUTAT WSO AP	MAX	60	61	62	62	62	58	59	61	60	62	59	58	60	61	59	59	62	61	68	65	66	69	61	60	61	61	62	61	60	56	56	61.0
	MIN	41	44	50	41	45	52	52	50	46	52	54	54	52	53	55	53	51	45	40	51	54	50	53	52	42	54	52	52	52	53	53	49.9
SOUTHWESTERN ISLANDS 03																																	
ADAK	MAX	54	54	59	53	51	50	52	59	52	47	51	55	57	57	57	55	55	54	56	54	54	51	55	55	66	68	67	61	57	59	63	56.1
	MIN	42	41	48	44	41	40	40	41	43	44	44	42	41	44	44	47	45	46	43	47	46	46	46	45	49	56	54	49	48	47	47	45.2
AMCHITKA	MAX	48	50	46		47	52	50																									
	MIN	40	36	40		36	37	37	39	37	40	39	41	43	40	41	42	42	40	40	48	44	45	43	41	46	49	48	48	47	46	43	41.9
ATTU	MAX	57	56	54	56	58	56	64	64	62	64	65	57	49	49	52	59	57	57	57	56	59	58	52	60	66	64	62	61	64	65	54	58.5
	MIN	44	43	40	41	41	43	55	46	43	42	44	44	36	33	40	40	52	46	47	44	44	50	48	45	49		50	51	51	54	49	45.2
CAPE SARICHEF	MAX	53	55	65	65	52	49	45	45	49	56	60	52	47	46	47	52	52	49	52	52	64	59	53	54	54	53	56	55	56	50	50	53.1
	MIN	42	43	43	51	43	42	41	40	43	42	48	45	40	40	40	43	45	44	43	43	42	40	43	45	44	38	46	46	45	42	44	43.1
COLD BAY WSO AP	MAX	58	56	63	53	53	53	51	53	58	53	59	51	48	53	58	64	58	61	63	62	67	67	63	66	59	68	58	63	54	58	53	58.2
	MIN	47	45	44	48	46	44	45	45	46	50	49	45	43	43	46	47	51	50	50	48	48	50	51	50	49	47	50	50	50	48	48	47.5
ST PAUL ISLAND WSO AP	MAX	50	50	53	51	51	49	56	49	51	50	50	50	51	51	48	48	55	51	61	60	54	50	56	60	51	51	53	51	52	51	55	52.2
	MIN	44	44	43	44	44	44	44	43	42	42	42	41	44	44	42	41	43	46	32	33	43	43	43	41	40	46	46	47	45	45	46	42.8
SAND POINT	MAX	54	57	60	60	55	57	58	57	53	54	54	58	58	59	56	56	54	53	57	60	64	64	64	66	68	68	66	63	64	64		59.4
	MIN	42	44	42	46	47	43	44	45	46	48	49	48	45	41	47	46	44	43	44	44	48	49	49	52	50	45	49	53	51	49		46.4
SHEMYA USAF BASE	MAX	46	42	50	47	46	48	48	48	48	48	49	50	48	47	48	50	50	49	49	50	51	50	51	56	53	52	55	55	54	52	49	49.6
	MIN	37	37	36	40	40	41	43	42	43	43	44	45	44	42	43	44	45	44	45	45	47	45	47	47	47	48	50	51	48	48	48	44.2
COPPER RIVER 04																																	
COPPER CENTER	MAX	65	78	76				78	80	71	72	66			72	76	73	73	73			72	83	85	82	66			64	67	65	69	73.0
	MIN	44	34	53				42	39	42	43	52			41	45	51	42	44			44	40	41	47	46			43	48	48	48	44.4
GLENNALLEN KCAM	MAX	63	79	72	72	77	70	67	70	68	68	63	53	68	73	69	65	63	70	73	77	77	79	81	78	68	65	65	61	69	60	66	69.6
	MIN	42	28	47	41	33	36	49	42	36	38	52	52	45	44	48	45	42	46	48	40	35	37	45	43	48	52	54	48	36	47	46	43.6
GULKANA FSS/AMOS	MAX	60	74	61	69	76	66	67	67	67	67	66	62	65	70	69	63	63	68	73	75	74	76	79	75	60	67	61	60	63	61	65	67.4
	MIN	41	34	52	48	42	53	49	46	44	44	51	51	47	50	51	49	47	47	50	41	39	47	53	51	49	50	51	47	46	47	47	47.2
MANKOMEN LAKE	MAX																																
	MIN																																
MC CARTHY 1 NE	MAX	64	77	77	71	78	76	62	69	68	68	68	57	66	71	70	67	65	61	72	78	78	79	79	77	77	74	59	54	60	56	63	69.1
	MIN	37	39	45	39	36	46	43	41	40	41	44	44	44	45	45	45	43	45	37	39	38	38	44	39	47	47	43	45	41	44	42	42.1
MELCHINA HWY CAMP	MAX		59	67	67		70	65	62	57	61	67	64	61	69	63	63		65	67	72	71	74	76				69	58	58	57	60	64.9
	MIN	39	36	43	42	35		44	43	41	40	37	44	41	49	43	45	46		36	36	34	39	41	52				43	34	40	42	41.0
OLD EDGERTON	MAX	64	65	75	64	70	77	65	65	69	68	67	62	64	72	74	68	68	67	67	75	75	77	79	80	76	65	62	64	60	61	59	68.5
	MIN	41	38	50	49	35	50	48	44	43	40	49	49	49	50	48	48	42	40	38	35	44	40	40	49	45	49	47	46	44	47	48	44.7
PAXSON	MAX	66	69	61	63	72	66	60	63	63				65	64	61	59	55	68	70	69	75	73	76	77	63	63	53	52	56	59	59	64.3
	MIN	35	42	43	43	38	41	43	40	35				40	44	48	48	47	42	36	41	41	41	44	38	44	44	43	43	42	44	43	41.9
SLANA	MAX			58	70	77	75		72	67	69	69	64	68	70	70	58	58	62	70	75	76	77	80	79	75	65	66	60	62	62	63	68.5
	MIN	39		49	45	37	50	45	48	48	45	45	53	48	50	47	49	49	47	43	38	40	37	41	37	50	48	48	46	38	37	46	44.8
SNOWSHOE LAKE	MAX	62	72	59	68	74	70	69	67	59	65	72	66	62	68	69	63	53	66	68	75	78			72	63	68	62	61	62	61		66.2
	MIN	40	35	42	42	35	34	42	41	42	43	36	45	41	47	42	42	46	38	36	39	37			50	50	47	45	43	33	42		41.3
SOURDOUGH 1 N	MAX	57	63	71	57	69	75	64	64	65	65	66	63	64	63	68	69	59	58	68	72	73	72	75	79	74	58	62	57	58	59	55	65.2
	MIN	35	31	45	44	41	50	47	42	35	32	40	48	48	49	42	44	46	44	40	44	37	36	40	36	40	45	46	42	32	33	41	41.1
TONSINA LODGE	MAX	65	60	75	65	71	78	65	65	71	67	68	65	69	70	74	73	68	66	65	70	74	75	79	78	79	66	64	62	67	61	62	68.9
	MIN	41	32	48	47	35	51	47	41	33	40	50	49	46	50	47	47	37	38	40	36	42	39	39	47	44	49	43	47	34	46	46	42.9
COOK INLET 05																																	
ALYESKA	MAX												57			72	62	64	66	70	69	77			75	68	63			68	62	64	
	MIN												47			45	49	47	43	46	48			49	52	51	50			50	48	50	
ANCHORAGE WSMO AP	MAX	59	62	57	64	62	61	58	59	59	59	64	61	62	68	60	62	67	69	69	75	68	65	74	61	60	70	61	64	57	65	64	63.4
	MIN	47	42	47	44	47	52	50	51	47	48	52	53	48	46	52	52	52	51	53	50	54	49	53	54	56	56	55	55	51	49	54	50.6
ANDERSON LAKE	MAX			63	69	57	70	64	67	60	63	63	59	62	57	61	72	58	61	65		73		75	72	78	65	58	68	57	67	56	68	64.6
	MIN			41	43	43	45	50	51	51	47	43	47	51	50	45	47	50	50	45		49		47	50	54	54	52	52	50	49	48	47	48.3
BELUGA	MAX	58	61	60	62	64	61	59	62	60	60	59	61	61	66	67	59	66	66	67	74	75	69	73	74	68	69	68	63	62	72	68	65.0
	MIN	41	41	47	42	45	52	48	50	48	48	49	48	49	52	50	53	46	45	49	48	47	49	49	49	45	53	53	51	51	55	47	48.4
BEN'S FARM MARKET	MAX	63	69	62	68	68	68	64	63	63	61	64	60	64	73	61	63	69	71	74	78	75	74	78	65	60	70	59	68	65	69	67	67.0
	MIN	48	42	48	49	48	55	52	47	49	48	47	49	50	49	51	50	48	44	49	47	48	49	51	50	51	51	50	51	50	47	51	49.0
BIG RIVER LAKE	MAX	60	57	57	64	57	57	61	60	61	54	56	59	66	71	61	59	67	71	74	79	72	73	77	64	60	69	61	66	58	72	68	64.2
	MIN	47	48	45	45	52	50	46	48	47	46	49	52	51	48	50	50	47	46	50	51	52	51	52	52	55	53	52	46	51	50	47	49.3
CHULITNA HIGHWAY CAMP	MAX	67	67	65	65	65	65	60	65	62	60	55	60	66	69	67	60	68	75	79	81	75	76	80	76	65	67	64	63	63	72	69	67.5
	MIN	45	44	45	46	44	45	52	48	46	45	47	51	52	52	50	51	50	49	45	48	48	50	47	55	52	54	51	51	47	49	48	48.6
CHULITNA RIVER LODGE	MAX	56	66	55	62	58	60	64	64	63	60	54	60	64	70	63	62	63	73	76	77	78	80	83	68	57	60	55	61	55	65	69	64.5
	MIN	43	47	45	44	47	45	45	47	45	46	45	48	48	49	49	47	48	49	49	51	51	50	53	50	50	44	44	48	48	41	44	47.0
COPPER LANDING 6 W	MAX		65	70	59	71	66	60	60	60	60	60	63	60	66	77	60	63	69	74	75	78	76	75	79	71	69	73	61	71	54	63	66.9
	MIN		38	45	44	45	54	49	49	47	43	50	50	49	39	48	46	45	39	40	43	47	43	46	47	52	53	56	44	49	44	50	46.4
EAGLE RIVER SOUTH FORK	MAX	56	68	58	61	64	64	62	60	57	51	56	66	55	61	69	58	55	61	63	69	72	72	69	71	67	59	60	63	67	52	64	62.3
	MIN	42	41	36	40	39	49	45	41	40	40	43	47	42	38	41	46	43	36	40	41	37	39	42	44	45	49	45	48	46	41	43	42.3

SEE REFERENCE NOTES FOLLOWING STATION INDEX

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DAILY TEMPERATURES

ALASKA
JULY 1980

STATION		DAY OF MONTH																													AVERAGE
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
EDGEMERE LAKES	MAX	63	69	67	71	70	64	64	65	67	65	62	59	66	74	67	64	63	60	84	85	85	86	88	84	69	68	59	65	61	76	70	70.3
	MIN	45	45	44	43	46	45	46	49	49	49	48	49	52	52	51	50	51	51	47	47	46	48	47	52	52	52	51	47	47	47	49	48.3
EKLUTNA PROJECT	MAX	61	69	70	68	70	66	66	62	60	61	70	67	62	71	74	60	66	72	73	79	80	75	80	80	64	70	69	65	65	70	71	68.9
	MIN	46	37	46	46	41	51	52	50	48	46	50	51	46	45	49	48	47	39	46	43	47	45	44	50	50	49	52	49	46	45	49	46.9
ELMENDORF A F BASE	MAX	56	58	53	63	61	59	56	56	57	56	64	58	60	66	56	58	62	67	66	73	67	69	73	59	58	67	63	62	54	64	61	61.4
	MIN	46	42	47	47	47	51	50	50	48	48	51	51	49	46	51	52	50	46	51	50	55	52	52	53	55	54	53	53	49	46	53	49.9
GLEN ALPS	MAX	46	52	59	50	60	58	54	55	50	51	53	55	52	57	63	49	54	57	63	66	70	64	65	70	57	56	63	53	60	50	60	57.2
	MIN	39	39	39	40	43	47	44	44	42	42	47	46	42	42	46	44	45	42	45	47	50	48	49	51	45	46	41	49	46	45	46	44.5
HOMER WSO AP	MAX	60	56	55	60	62	54	61	57	58	59	60	59	58	57	56	59	62	63	61	67	63	56	59	62	64	66	59	60	55	56	57	59.4
	MIN	39	39	46	41	53	49	47	49	44	43	53	49	45	44	45	43	48	44	43	48	49	47	47	47	48	51	53	51	49	48	46	46.7
HOMER 8 NW	MAX	57	55	53	64	63	53	59	57	57	54	59	57	62	65	58	59	60	63	66	73	64	66	71	67	61	69	58	58	54	60	62	60.8
	MIN	38	37	43	37	51	46	44	42	45	44	49	49	40	49	44	45	43	44	42	49	47	47	52	47	47	50	50	45	48	47	48	45.5
KASILOF 3 NW	MAX	54	57	63	56	60	58	53	56	53	59	55	56	57	58	60	56	62	64	63	60	67	61	58	62	61	59	59	58	63	55	61	58.8
	MIN	41	44	43	30	44	49	46	47	47	39	47	51	44	38	48	45	46	35	47	37	48	50	38	51	47	46	53	46	50	50	45	44.9
KENAI FAA AP	MAX	62	53	54	65	60	55	58	54	59	55	58	60	60	65	54	62	68	68	61	78	61	60	68	61	56	68	58	61	56	65	62	60.8
	MIN	46	45	43	40	50	50	49	50	48	46	51	50	48	43	50	50	49	44	50	46	53	52	47	52	53	53	53	51	52	51	49	48.8
MATANUSKA AGR EXP STA	MAX	63	68	60	68	67	67	61	62	62	60	65	59	64	72	60	62	69	71	73	76	74	73	77	65	65	71	58	67	60	68	65	66.2
	MIN	47	42	47	47	48	54	53	49	48	45	50	52	48	47	52	50	50	44	45	46	49	48	49	52	52	52	55	50	51	51	47	49.0
PALMER IAS	MAX	58	62	68	59	67		57	64	64	62	62	65	61	62	72	60	63	68	71	74	78	75	73	77	64	60	68	60	66	58	68	65.5
	MIN	47	42	47	49	47	53	52	46	48	47	48	49	50	48	52	50	50	46	44	47	48	50	50	50	51	51	55	50	49	48	50	48.8
PLANT MATERIAL CENTER	MAX				70	67	70	68	61	64	62	66	65	66	73	73	62	68	72	74	79	76	76	80	77	65	71	68	70	65	74	72	69.8
	MIN				52	47	50	45	44	46	44	48	51	47	47	46	48	48	44	54	48	57	50	51	52	50	50	50	50	50	50	51	49.1
PORT CHATHAM	MAX								64	58	57	54	54	55	56	56	57	66	64	61	59	66	70	57	64	63	58	65	65				
	MIN								43	49	45	49	50	47	44	47	43	50	46	45	46	55	48	46	51	50	51	52	50				
PUNTILLA	MAX	52	50	50	62	52	56	59	58	59	52	53	53	66	63	60	52	60	71	77	76	75	76	79	72	63	64	60	60	53	64	68	61.8
	MIN	42	39	34	48	48	48	35	39	44	42	42	45	47	41	45	46	42	36	40	40	41	44	41	44	51	53	41	40	46	32	39	42.4
ROCK RIDGE DRIVE	MAX	59	65	57	67	68	61	59	59	59	68	64	58	64	72	67	63	66	71	71	77	75	72	77	70	59	70	65	67	65	67	65	66.0
	MIN	45	45	44	44	43	50	49	47	45	46	52	50	46	42	47	48	46	40	44	46	47	45	48	49	54	57	53	50	51	43	50	47.3
SKWENTNA	MAX	62	62	56	68	63	63	62	65	62	58	57	59	70	74	62	61	65	74	83	84		80	84	72	63	70	61	67	60		72	66.9
	MIN	41	47	48	44	43	52	47	48	48	46	49	47	48	45	50	47	48	51	46	47		48	50	51	53	49	53	44	50		42	47.7
TAHNETA PASS	MAX	61	68	55	64	70	61	62	60	57	58	66	61	64	70	58	58	56	63	66			73	75		53	64	56	59	57	59	63	62.0
	MIN	39	42	40	42	38	44	44		42	40	40	45	46	47	44	43	44	35	38	40	40	41	45	49	48	42	49	42	44	43	44	42.7
TALKEETNA WSO AP	MAX	61	69	57	66	61	64	62	63	61	60	56	60	65	71	61	64	66	76	81	83	75	77	81	69	60	70	57	66	59	73	67	66.5
	MIN	42	45	49	50	43	52	53	48	47	46	50	48	53	54	53	51	53	54	50	51	51	55	50	51	55	55	53	49	52	50	48	50.4
TRI-NAL ACRES	MAX	58	60	55	67	64	57	57	57	59	58	62	59	65	70	64	60	64	59	71	79	76	70	75	72	55	69	65	64	63	64	64	64.5
	MIN	43	35	42	34	46	50	46	43	42	44	49	50	45	49	50	43	41	40	40	45	50	40	45	45	49	50	52	45	48	46	48	44.7
TUTKA BAY LAGOON	MAX					65	62	54	59	57	59	56	64	58			67	66	51	67	66	72	67	65	71	66	70	72	58	66	54		63.0
	MIN						50	46	44	46	41	47	51	44	40			40	49	50	45	50	50	45	49	46	56	56	48	51	47		47.4
WASILLA 3 S	MAX	66	68	63	69	69	68	64	62	63	62	66	67	67	68	64	65	68	72	73	78	75	72	78	75	61	73	65	69	68	70	68	68.3
	MIN	49	40	47	48	42	52	48	49	48	42	50	50	51	50	51	50	52	50	42	50	50	48	46	56	51	51	52	48	52	45	52	48.8
WASILLA 2 NE	MAX	64	70	61	68	67	67	62	65	63	61	64	61	64	74	68	62	67	72	74	77	75	72	77	70	63	70	67	68	65	70	65	67.5
	MIN	43	35	43	45	40	48	49	47	45	39	45	49	47	40	47	47	47	41	42	41	43	42	45	48	51	50	49	47	46	44	47	44.9
WHITE'S CROSSING	MAX	54	59	67	58	64	60	53	61	62	61	57	59	63	63	70	57	60	64	70	74	79	71	73	79	64	64	66	55	63	55	66	63.6
	MIN	44	34	45	43	38	50	50	46	45	44	47	50	48	44	49	48	49	47	50	44	52	51	47	52	52	52	52	49	46	45	50	47.2
WILLOW HIGHWAY CAMP	MAX	56	62			70			65	68	65				67	74	62	63				84	75	79	84	72				68	58	70	
	MIN	45	39					42	55	55	45				46	53	51	52				47	51	48	55				51	48	49	50	
BRISTOL BAY 06																																	
BROOKS RIVER	MAX	71	55	52	64	62	56	62	60	60	62	61	56	65	57	55	70	70	63	70	74	78	78	80	78	75	73	66	59	58	57	56	64.6
	MIN	48	47	44	41	53	45	37	44	46	45	55	48	47	43	45	36	40	50	39	49	46	46	46	51	54	53	52	49	49	50	47	46.6
CAPE NEWENHAM	MAX	48	44	53	53	48	46	45	45	48	52	53	53	50	46	51	56	63	58	66	69	73	65	70	64	59	59	50	51	54	50	50	54.6
	MIN	43	43	43	46	43	41	42	41	42	43	46	49	42	41	44	43	52	50	51	60	54	54	56	57	50	50	46	45	48	47	47	47.1
DILLINGHAM FAA AP	MAX	51	49	58	60	53	53	50	50	52	53	58	56	69	51	61	66	69	69	69	81	74	75	78	71	73	67	60	56	63	59	62	61.8
	MIN	46	44	43	45	49	43	43	44	42	43	51	49	49	44	42	46	47	47	47	55	53	55	56	55	52	55	51	49	49	50	47	48.1
ILIAMNA FAA AP	MAX	60	55	51	62	62	56	60	59	58	59	58	56	65	61	57	61	67	73	74	74	71	72	75	77	78	71	63	55	57	59	61	63.5
	MIN	47	46	44	47	49	46	47	46	46	49	49	50	48	44	46	48	45	46	46	52	52	48	55	52	53	57	50	50	50	50	50	48.6
INTRICATE BAY	MAX	57	55	53	70	64	57	63	56	61	61	62	59	61	62	62	69	68	68	73	77	78	75	79	77	71	70	70	58	57	59	59	64.9
	MIN	50	44	41	47	51	44	50	47	43	48	50	50	43	41	43	47	50	48	38	44	55	41	42	49	47	47	46	48	47	43	47	46.2
KING SALMON WSO AP	MAX	55	51	52	66	63	49	55	53	57	59	64	55	61	49	58	70	71	72	78	78	81	77	81	75	71	72	57	53	59	57	60	63.2
	MIN	48	45	44	43	46	45	44	45	46	46	54	49	44	43	44	42	39	42	41	51	50	48	52	53	50	53	50	50	50	50	49	47.0
PORT ALSWORTH	MAX	64	64	54	66	68	61	64	62	58	58	60	58	65	63	62	67	70	71	75	79	78	80	82	77	75	72	64	61	62	60	63	66.5
	MIN	48	48	45	49	48	43	44	45	43	47	47	47	46	43	43	45	46	47	47	48	52	48	49	48	56	50	47	44	48	48	50	47.1
PORT HEIDEN	MAX	56	55	51	72	71	50	51	48	50	60	67	57	54	48	51	63	62	61	63	62	75	75	63	63	63	62	62	55	54	51	50	58.9
	MIN	50	45	43	47	45	43	45	45	43	48	56	48	43	42	45	44	48	50	50	46	51	47	51	50	49	47	47	49	49	48	48	47.2
SPARREVOHN	MAX	60	50	47	59	59	49	57	50	53	52	54	53	63	52	56	60	63	70	73	77	76	74	75	77	64	58	51	54	58	58	54	59.9
	MIN	47	41	40	45	48	44	42	44	43	43	51	49	48	44	43	46	50	49	51	61	59	56	56	58	53	50	45	46	48	48	49	48.3
WEST CENTRAL 07																																	
BETHEL WSO AP	MAX	54	52	53	59	53	47	50	52	51	58	63	68	54	51	60	66	74	75	80	76	79	79	76	75	66	58	51	52	58	60	56	61.5
	MIN	49	44	42	47	44	44	44	42	43	44	46	49	48	46	45	48	49	52	52	54	54	54	56	53	53	50	47	49	49	50	46	48.1
CAPE ROMANZOF	MAX	52	44	45	52	50	45	51	49	50	53	55	47	46	46	48	49	63	59	67	70	68	70	66	59	50	50	48	50	58	55	50	54.0
	MIN	44	41	41	42	42	40	43	43	42	43	43	39	42	41	40	46	47	56	56	56	56	57	56	50	47	44	44	45	48	46	45	46.0
EMMONAK	MAX																																
	MIN																																

SEE REFERENCE NOTES FOLLOWING STATION INDEX

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TOTAL SNOWFALL AND NUMBER OF DAYS WITH ONE INCH OR MORE ON GROUND

SEASON OF 1979 - 1980

ALASKA

STATION		JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL	TOTAL PRECIPITATION
CAPE LISBURNE	SNOWFALL	T		2.0	1.3	7.9	1.9	2.1	1.9	2.6	.9	.4	T	21.0	
	1 IN ON GD			3	13	30	31	31	29	31	30	19		217	
GALBRAITH	SNOWFALL			4.0	9.5	8.0	-	28.0	3.0	2.4	T	T	T	-	
	1 IN ON GD			3	26	30	31	31	29	31	30	4		215	
KOBUK	SNOWFALL			T	2.0	19.0	6.0	-	-	-	-	-	-	-	
	1 IN ON GD				13	30	31	-	-	-	-	-	-	-	
KOTZEBUE WSO AP	SNOWFALL			T	4.0	15.0	4.4	7.2	3.8	6.0	3.3		T	43.7	
	1 IN ON GD				15	30	31	31	29	31	30	13		210	
LONELY	SNOWFALL		T	.9	-	6.2	1.5	1.0	T	T	T	T	T	-	
	1 IN ON GD				-	30	31	31	29	31	30	31	11	-	
UMIAT	SNOWFALL	T		.8	13.2	11.6	-	T	1.9	4.5	T	.3	T	-	
	1 IN ON GD				30	30	31	31	29	31	30	29		241	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

15-12-143

DAILY TEMPERATURES

ALASKA
JULY 1980

STATION		DAY OF MONTH																													AVERAGE
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SOUTHEASTERN 01																																	
ANGOON	MAX																																
	MIN																																
ANNETTE WSO AP	MAX	56	57	68	67	60	58	63	57	60	68	73	71	58	58	64	66	56	59	57	57	60	61	61	58	59	61	61	64	56	57	56	60.9
	MIN	50	50	50	52	52	53	52	53	52	54	53	56	53	52	51	54	52	52	55	54	55	54	53	54	53	53	55	54	52	53	52	52.8
ANNEX CREEK	MAX	61	55	65	68	68	66	55	56		61	63	59	56	59	57	53	58	60	61	55	60	60	59	58	59	60	57	56	54	55	56	59.0
	MIN	47	45	43	45	47	52	49	46		46	45	50	46	45	50	50	46	42	47	46	45	47	52	45	46	52	46	50	47	48	46	47.0
AUKE BAY	MAX	58	63	69	68	70	69	60	61	64	64	63	59	57	62	63	57	61	66	66	58	65	64	60	62	62	62	61	61	55	55	59	62.1
	MIN	48	49	46	49	49	53	50	50	51	51	49	50	50	50	51	51	49	44	51	50	51	52	52	50	51	52	51	52	51	52	54	50.3
BEAVER FALLS	MAX	68	57	60	70	66	61	60	63	61	66	71	75	68	59	60	62	65	62	63	59	60	61	63	60	58	60	61	61	61	57	58	62.5
	MIN	52	50	49	50	54	52	52	52	52	52	50	55	55	52	51	53	51	48	55	55	56	56	54	52	54	53	55	53	52	53	55	52.7
ELFIN COVE	MAX	52	61	59	59	55	55	55	57	57	59	59	58	54	58	57	56	62	62	62	57	64	63	57	64	65	63	63	59	60	57	56	58.9
	MIN	46	48	46	51	51	50	48	48	49	52	53	53	48	46	51	53	50	52	50	52	50	55	52	51	53	54	52	52	50	51	52	50.6
FIVE FINGER LIGHT STA	MAX	51	55	59	62	60	60	60	60	60	60	59	59	59	56	57	57	57	57	60	56	57	59	60	60	58	58	58	59	56	56	57	58.1
	MIN	50	50	52											52	51			50	53	53	52	49	49	49	46	46	47	49	44	49	50	
FUNTER BAY	MAX	55	61	64	66	64	63	57	60	60	62	61	62	59	60	61	58	63	67	62	58	65	63	61	65	65	61	61	60	58	57	57	61.2
	MIN	47	49	44	55	53	54	51	51	53	54	55	53	53	51	54	54	51	45	54	54	54	54	54	51	52	53	52	53	51	51	52	52.0
GLACIER BAY	MAX	51	62	65	65	63	62	59	60	63	65	61	58	57	63	59	62	62	65	62	58	60	66	62	65	68	64	60	54	66	59	58	61.4
	MIN	41	45	42	42	45	48	47	49	48	48	48	49	49	46	49	49	49	46	48	49	50	51	52	49	49	51	52	51	50	51	51	48.2
GUSTAVUS	MAX	54	66	70	70	67	64	60	62	64	69	70	63	58	65	64	58	62	67	67	62	71	71	64	60	66	68	64	61	60			64.4
	MIN	43	44	48	50	48	45	42	44	47	50	52	47	43	45	40	46	43	45	45	43	48	42	45	48	48	46	43	47	42			45.5
HAINES	MAX	60	61	70	72	74	70	69	64	67	65	64	64	63	61	63	60	64	67	67	67	67	70	62	64	63	64	64	63	63	64	58	65.0
	MIN	46	48	46	45	46	48	50	51	50	54	52	51	53	43	50	52	50	48	52	50	51	50	51	48	45	52	53	51	52	51	49	49.6
HAINES TERMINAL	MAX	62	61	67	68	68	65	62	61	63	64	65	62	60	62	62	57	62	64	65	65	65	67	62	64	62	60		59	59	59	58	62.7
	MIN	50	50	50	49	47	55	54	50	50	54	48	53	52	52	52	52	54	46	51	53	53	50	53	49	47	55		54	53	52	52	51.3
HOONAH	MAX	56	60	66	67	67	67	57	60	62	64	63	63	62	63	61			61	61	58	63	63	59	60	62	62	62	61	61	59	59	61.7
	MIN	48	50	50	54	51	53	50	53	55	52	49	55	53	51	53			52	50	50	52	51	53	53	49	48	50	54	52	50	51	51.4
JUNEAU 2	MAX	64	57	62	72	73	73	56	59	60	61	65	60	60	58	61	56	55	62	67	59	59	67	63	57	68	60	63	62	56	56	57	61.5
	MIN	48	49	46	50	50	53	51	51	52	51	48	52	51	50	51	50	49	44	51	51	50	53	52	52	52	53	51	51	51	52	51	50.5
JUNEAU FAA AP	MAX	57	62	71	72	72	58	59	60	69	65	64	62	57	61	58	55	65	68	60	59	69	66	57	65	62	60	61	54	55	55	59	61.8
	MIN	47	47	43	46	48	51	50	49	50	47	45	50	52	50	50	50	46	41	50	51	51	50	54	52	50	51	50	52	52	53	53	49.4
JUNEAU 9 NW	MAX																																
	MIN																																
KETCHIKAN	MAX																																
	MIN																																
LITTLE PORT WALTER	MAX	58	58	64	68	68	63	56	56	63	65	64	67	60	61	63	66	58	56	55	56	58	58	59	58	58	63	65	67	59	58	59	60.9
	MIN	47	48	45	47	47	52	50	50	46	50	48	47	48	50	44	54	51	51	52	52	52	52	52	52	51	52	51	52	52	51	52	49.9
PELICAN	MAX	55	54	63	63	60	61	58	58	59	62	58	58	61	57	58	57	58	55	66	60	72	70	61	67	65	58	60	59	57	62	55	60.2
	MIN	45	45	42	43	48	51	49	50	50	49	52	51	50	46	50	50	49	45	50	53	52	49	46	48	51	52	49	51	50	50	50	48.9
PORT ALEXANDER	MAX	61	50	60		68	68	57	55		67	65	65	65	59	63	65	61	56	55	55	56	57	61	59	55	57	61	62	57	56	54	59.7
	MIN	47	48	44		44	48	50	50		45	47	53	50	50	44	50	50	51	52	51	51	54	51	51	50	51	49	53	50	51	51	49.5
SITKA JAPONSKI FAA AP	MAX	54	62	67	63	60	55	55	63	61	62	60	62	56	64	60	56	60	65	57	59	69	60	60	65	60	62	63	57	59	60	59	60.5
	MIN	47	48	49	49	53	51	51	51	52	53	55	54	52	51	50	52	50	48	53	53	55	55	53	53	55	52	53	53	53	55	53	52.0
SITKA MAGNETIC OBSY	MAX	54	64	69	66	63	56	55	58	61	65	63	61	57	62	61	59	60	65	59	58	71	63	59	67	63	62	63	57	58	59	59	61.2
	MIN	45	44	42	42	48	50	49	50	50	48	54	54	53	49	47	51	49	43	53	52	53	54	52	50	53	48	51	50	51	51	52	49.6
SKAGWAY 1 NW	MAX	60	61	69	71	69	68	60	63	64	65	64	64	62	62	62	58	61	66	65	64	65	66	66	61	62	60	63	60	57	59	57	63.0
	MIN	48	50	54	51	52	56	54	51	52	53	51	55	54	53	53	52	53	48	52	51	52	53	53	50	48	55	54	53	51	52	52	52.1
TENAKEE SPRINGS	MAX	73	74	73	74	73	70	69	60	62	68	69	58	60	59	59	59	65	66	59	57	61	61	57	58	58	61	62	62	62	52	54	63.1
	MIN	48	47	48	49	49	48	47	46	46	46	47	49	51	49	53	49	49	48	49	50	51	52	52	49	48	50	51	50	45	45	45	48.6
WRANGELL	MAX	63	63	70	73	70			64	66	66	68	66	64	60	61	61	61	65	65	61	62	62	61	61	61	61	64	64	62	58	59	62	63.6
	MIN	48	52	50	53	55			54	53	55	51	57	53	53	53	54	52	57	57	55	57	57	57	54	55	54	54	56	55	55	56	54.2
SOUTH COAST 02																																	
CANNERY CREEK	MAX	61	66	58	66	61	55	54	58	59	58	54	54	64	66	63	59	60	64	67	70	68	70	65	58	57	56	56	58	55	63	60	60.7
	MIN	40	41	48	40	43	43	46	46	46	44	45	47	47	46	48	46	46	42	45	47	51	47	50	52	50	49	49	52	46	47	48	46.4
COOPER LAKE PROJECT	MAX		63			71	59	59	58	57			57	61	73	73	62	63	70			74	73	75	72	68			66	61	64	64	65.6
	MIN		41			45	50	47	48	46			45	48	45	49	46	47	42			45	47	52	52	51			46	50	47	49	47.2
CORDOVA FAA FSS AP	MAX	67	71	62	75	70	59	59	63	60	65	58	60	72	65	62	66	64	68	71	72	67	75	66	64	64	60	57	58	58	68	61	64.7
	MIN	43	42	44	41	45	54	52	47	44	40	51	54	49	49	53	53	53	46	43	49	48	49	48	54	54	52	52	52	52	53	52	49.0
HOPE	MAX	63	60	55	70	63	60	60	59	60	60	60	55	61	71	72	68	73	78	69	70	75	75	69	69	65	63	53	67	59	68	64	65.0
	MIN	43	40	45	48	43	48	49	47	45	42	45	48	48	43	49	48	42	42	48	41	44	49	49	50	52	42	48	45	48	42	43	45.7
KITOI BAY	MAX	53	52	61	65	60	63	59	59	61	58	55	54	55	66	59	63	61	61	63	67	64	66	67	64	64	74	63	70	64	64	66	62.0
	MIN	46	47	46	42	46	48	44	48	42	45	49	48	48	47	49	50	46	50	52	46	46	52	47	51	50	51	50	47	51	48	47	47.7
KODIAK WSO AP	MAX	57	57	62	65	61	63	62	60	59	66	59	58	63	63	56	58	59	59	61	67	64	61	63	60	64	71	62	64	65	68	65	62.0
	MIN	49	49	49	45	53	50	45	48	45	47	53	50	50	50	51	50	51	52	48	46	50	52	50	52	49	53	49	51	52	52	52	49.8
SEWARD	MAX	61	60	62	73	73	56	56	58	60	56	58	56	64	69	56	61	61	65	66	66	66	70	64	67	62	64	61	63	59	66	63	62.6
	MIN	40	43	47	52	49	49	48	48	45	44	50	47	50	50	48	47	45	47	41	51	50	48	51	52	50	55	49	50	51	52	49	48.3
SITKINAK	MAX	59	50	60	60	56	51	58	58	53	54	54	53	53	61	60	59	57	56	53	58	64	62	60	60	61	61	66	60	65	59	61	58.[illegible]
	MIN	46	46	47	45	48	47	45	45	46	47	47	45	47	46	47	42	47	48	48	46	46	51	48	49	48	50	51	50	51	50	49	47.[illegible]
SUTTON 2 E	MAX	62	69	68	67	68	69	67	64	64	61	63	64	61	71	71	63	64	71	74	77	77	74	75	76	65	69	69	67	66	67	66	68.0
	MIN	42	34	46	48	39	50	52	43	45	37	35	50	48	50	49	50	49	37	45	37	42	44	45	48	54	52	51	49	47	49	51	45.7
VALDEZ WSO	MAX	65	69	57	69	66	55	54	61	61	60	53	53	66	68	56	61	65	64	70	73	68	73	66	64	58	58	55	54	52	64	61	61.9
	MIN	45	42	44	41	44	50	48	47	45	43	48	49	47	48	49	48	48	46	44	46	52	48	50	53	51	50	49	49	47	46	48	47.3

SEE REFERENCE NOTES FOLLOWING STATION INDEX

15-12-444

TOTAL SNOWFALL AND NUMBER OF DAYS WITH ONE INCH OR MORE ON GROUND

SEASON OF 1979 - 1980

ALASKA

STATION		JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL	TOTAL PRECIPITATION
ILIAMNA FAA AP	SNOWFALL				T	11.4	17.3	18.4	15.2	7.8	6.0			76.1	
	1 IN ON GD					11	29	31	29	31	3			134	
INTRICATE BAY	SNOWFALL					19.2	12.8	19.0	24.0	9.0	T			84.0	
	1 IN ON GD					10	23	31	13	20	2			99	
KING SALMON WSO AP	SNOWFALL				T	8.5	9.7	11.5	11.1	9.0	T	.8		50.6	
	1 IN ON GD					13	29	14	16	15				87	
PORT ALSWORTH	SNOWFALL				1.5	24.0	19.0	16.5	-	13.0	2.0			-	
	1 IN ON GD				5	15	31	31	24	18				124	
PORT HEIDEN	SNOWFALL				1.8	9.0	5.7	7.7	11.1	-	T	T		-	
	1 IN ON GD				6	14	28	17	17	-				-	
SPARREVOHN	SNOWFALL			.1	3.7	-	14.2	11.7	6.8	17.0	1.9	1.5	T	-	
	1 IN ON GD				3	24	31	31	29	31	11			160	
* * *															
WEST CENTRAL 07															
BETHEL WSO AP	SNOWFALL				1.7	10.3	12.7	6.0	7.1	12.6	2.1	.4		52.9	
	1 IN ON GD				2	13	31	31	29	31	9			146	
CAPE ROMANZOF	SNOWFALL			T	3.8	10.6	-	6.2	9.3	10.1	2.8	4.6	T	-	
	1 IN ON GD				11	23	31	31	29	31	30	26		212	
EMMONAK	SNOWFALL				2.0	-	15.0	12.5	10.7	14.0	1.5	.5		-	
	1 IN ON GD				3	20	31	31	29	31	30	-		-	
NOME WSO AP	SNOWFALL			T	3.2	24.1	9.6	16.3	10.2	8.1	5.0	1.4		77.9	
	1 IN ON GD					20	31	31	29	31	27			169	
PORT CLARENCE	SNOWFALL	-	-	-	-	-	-	-	-	-	-	-		-	
	1 IN ON GD	-	-	-	-	-	-	-	-	-	-	-		-	
RUSSIAN MISSION	SNOWFALL				1.1	24.5	12.0	18.0	6.7	13.5	T			75.8	
	1 IN ON GD				1	-	-	-	-	-	-			-	
ST MARYS	SNOWFALL			T	3.0	17.7	12.1	18.3	5.9	11.3	3.1	T		71.4	
	1 IN ON GD				2	19	31	31	29	31	30	3		176	
TIN CITY	SNOWFALL			2.0	10.9	42.6	4.4	10.8	4.3	12.5	3.4	.3	.1	91.3	
	1 IN ON GD				10	24	31	31	29	31	30	17		203	
UNALAKLEET WSO AP	SNOWFALL	-	-	-	-	-	-	-	-	-	-	-		-	
	1 IN ON GD			-	-	-	-	31	29	31	-	-		-	
WALES	SNOWFALL	-		T	-	-	.5	13.0	9.0	5.0	1.0	.6	-	-	
	1 IN ON GD	-			8	23	31	31	29	31	30	31	7	-	
* * *															
INTERIOR BASIN 08															
ALLAKAKET	SNOWFALL			-	-	-	-	-	-	-	-	-		-	
	1 IN ON GD			-	-	30	31	-	-	-	-	-		-	
BETTLES FAA AP	SNOWFALL			8.0	15.0	36.3	13.0	8.7	11.0	4.2	6.1			102.3	
	1 IN ON GD			7	14	30	31	31	29	31	30	6		209	
BIG DELTA FAA/AMOS AP	SNOWFALL			T	1.6	5.9	5.9	6.5	7.0	1.6	T			28.5	
	1 IN ON GD				8	19	31	31	29	31	5			154	
CENTRAL 2	SNOWFALL				3.3	12.4	4.1	6.9	6.8	2.0	7.2	T		42.7	
	1 IN ON GD				8	30	31	31	29	31	30	1		191	
CHANDALAR LAKE	SNOWFALL			5.4	11.3	7.9	-	4.2	9.7	.1	1.9	.5		-	
	1 IN ON GD			9	25	30	31	31	29	31	30	7		223	
CIRCLE CITY	SNOWFALL				2.6	12.9	5.4	7.4	7.4	1.5	7.1	T		44.3	
	1 IN ON GD				8	30	31	31	29	31	30	4		194	
CLEAR	SNOWFALL				2.1	6.9	9.6	-	1.5	.6	1.2	T		-	
	1 IN ON GD				-	-	31	-	29	31	17			-	
CLEAR WATER	SNOWFALL			.3	1.9	7.5	16.0	12.6	8.9	3.2	.4			50.8	
	1 IN ON GD				7	19	31	31	29	31	6			154	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

15-12-445

TOTAL SNOWFALL AND NUMBER OF DAYS WITH ONE INCH OR MORE ON GROUND

SEASON OF 1979 - 1980 — ALASKA

STATION		JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL	TOTAL PRECIPITATION
COLLEGE OBSERVATORY	SNOWFALL				5.7	9.4	8.9	8.5	2.6	3.7	.3			39.1	
	1 IN ON GD				11	30	31	31	29	31	14			177	
COLLEGE 5 NW	SNOWFALL				4.7	7.8	8.7	8.4	2.1	4.2	.4	T		36.3	
	1 IN ON GD				9	30	31	31	29	31				161	
EAGLE	SNOWFALL				1.0	14.5	21.0	14.0	-	4.0	6.5			-	
	1 IN ON GD				4	18	30	31	-	31	30			-	
EIELSON FIELD	SNOWFALL			T	5.0	7.6	7.5	12.4	2.2	2.2	T	T		36.9	
	1 IN ON GD				8	19	31	31	29	31				149	
FAIRBANKS WSFO AP	SNOWFALL			T	6.5	4.4	11.0	10.8	4.4	3.2	.8			41.1	
	1 IN ON GD				11	30	31	31	29	31	11			174	
FIVE MILE CAMP	SNOWFALL			.3	11.8	7.7	3.8	-	2.1	2.4	2.9	.5		-	
	1 IN ON GD				18	30	31	31	29	31	30	8		208	
GALENA AIRPORT	SNOWFALL			T	6.1	17.5	10.5	13.6	9.2	4.4	1.0			62.3	
	1 IN ON GD				15	27	31	31	29	31	29			193	
GILMORE CREEK	SNOWFALL				6.0	-	13.0	11.0	2.0	4.0	T	T		-	
	1 IN ON GD				7	-	-	31	29	-	-	-		-	
HEALY 2 NW	SNOWFALL				2.1	9.9	7.3	15.2	3.3	2.5	3.0	T		43.3	
	1 IN ON GD				1	18	30	31	29	-	15			-	
INDIAN MOUNTAIN	SNOWFALL			8.8	16.8	36.3	18.9	14.2	9.1	10.6	7.1	.2		122.0	
	1 IN ON GD			6	20	30	31	31	29	31	30	8		216	
MANLEY HOT SPRINGS	SNOWFALL				3.2	9.8	7.4	16.3	2.7	2.8	1.3			43.5	
	1 IN ON GD				8	30	31	31	29	31	27			197	
MC GRATH WSO AP	SNOWFALL			T	4.1	24.3	19.9	22.2	2.2	4.7	T	T		77.4	
	1 IN ON GD				10	23	31	31	29	31	25			180	
MC KINLEY PARK	SNOWFALL			2.5	T	26.0	6.6	20.9	8.0	.9	6.3	T	7.0	78.2	
	1 IN ON GD			1	6	27	31	31	29	31	27		2	185	
MINCHUMINA	SNOWFALL			T	-	-	9.7	-	1.2	1.8	.6	T		-	
	1 IN ON GD				-	30	31	31	29	-	27			-	
NORTH POLE	SNOWFALL				5.4	5.7	7.2	10.8	1.6	1.1	T			31.8	
	1 IN ON GD				13	30	31	31	29	31	17			182	
NORTHWAY FAA AP	SNOWFALL			T	1.1	2.1	5.4	4.5	4.4	2.0	4.9			24.4	
	1 IN ON GD				4	30	31	31	29	31	22			178	
PROSPECT CREEK	SNOWFALL			1.2	27.2	23.9	8.5	6.4	8.1	2.0	4.0			81.3	
	1 IN ON GD				20	30	31	31	29	31	30	7		209	
RIKA'S LANDING	SNOWFALL			2.0	2.8	7.5	10.0	8.8	5.0	1.5	T	.2		37.8	
	1 IN ON GD			1	11	19	31	31	29	31				153	
SALCHA	SNOWFALL			.8	6.6	9.2	14.0	12.9	3.4	3.1	T			50.0	
	1 IN ON GD				9	30	31	31	29	31	24			185	
TANANA FAA AP	SNOWFALL				1.6	10.6	7.0	8.5	8.0	3.4	T			39.1	
	1 IN ON GD				11	30	31	31	29	31	27			190	
TATALINA	SNOWFALL			T	3.9	32.2	17.6	19.2	3.2	7.8	1.2	T		85.1	
	1 IN ON GD				3	24	31	31	29	31	30	3		182	
TOK	SNOWFALL			1.2	2.2	3.0	5.4	8.0		1.0				20.8	
	1 IN ON GD				13	30	31	31	29	31	27			192	
TRIMS CAMP	SNOWFALL		-	-	-	24.5	-	-	-	-	-	-	-	-	
	1 IN ON GD		-	-	-	30	31	-	-	-	-	-	-	-	
UNIVERSITY EXP STATION	SNOWFALL				6.1	4.5	8.0	8.5	2.7	2.8	.8			33.4	
	1 IN ON GD				9	30	31	31	29	31	4			165	
* * *															
ARCTIC DRAINAGE 09															
BARROW WSO AP	SNOWFALL	.5	T	2.1	4.4	2.1	2.1	2.8	2.8	.4	1.1	.1	T	18.4	
	1 IN ON GD			7	26	30	31	31	29	31	30	31	4	250	
BARTER ISLAND WSO AP	SNOWFALL	T		1.4	16.6	9.1	3.0	2.9	3.1	3.2	1.2	1.2	T	43.7	
	1 IN ON GD			1	24	30	31	31	29	31	30	31	10	248	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

1.5-12-446

TOTAL SNOWFALL AND NUMBER OF DAYS WITH ONE INCH OR MORE ON GROUND

SEASON OF 1979 - 1980

ALASKA

STATION		JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL	TOTAL PRECIPITATION
* * *															
COPPER RIVER 04															
COPPER CENTER	SNOWFALL				-	-	7.8	10.0	2.0	5.0	T	T		-	
	1 IN ON GD				9	30	31	31	29	31	17				178
GAKONA 1 N	SNOWFALL		-	-	-	-	-	-	-	-	-	-	-	-	
	1 IN ON GD		-	-	-	-	-	-	-	-	-	-	-	-	-
GLENNALLEN KCAM	SNOWFALL				5.3	6.5	14.8	12.8	6.5	7.7	.2			53.8	
	1 IN ON GD				-	23	31	31	29	31	23			-	
GULKANA FSS/AMOS	SNOWFALL				4.7	5.1	16.5	10.9	4.7	10.8	T	T		52.7	
	1 IN ON GD				7	13	31	31	29	31	11			153	
MANKOMEN LAKE	SNOWFALL				2.5	10.0	6.0	13.0	2.0	5.5	7.0	3.0	1.0	50.0	
	1 IN ON GD				4	25	31	31	29	31	30	9		190	
MC CARTHY 1 NE	SNOWFALL				1.0	15.2	20.3	25.1	-	5.9	1.8			-	
	1 IN ON GD					12	31	31	29	31	30	1		165	
NELCHINA HWY CAMP	SNOWFALL			T	9.2	19.8	9.6	14.1	14.6	4.9	6.0	.4		78.6	
	1 IN ON GD				9	30	31	31	29	31	30	8		199	
OLD EDGERTON	SNOWFALL				10.4	15.2	17.1	3.8	7.2	5.7	.4			59.8	
	1 IN ON GD				9	27	31	31	29	31	24			182	
PAXSON	SNOWFALL				5.2	12.4	21.4	22.5	6.6	11.6	1.5	.9	1.0	83.1	
	1 IN ON GD				9	30	31	31	29	31	29	10		200	
PAXSON LAKE	SNOWFALL			-	-	-	-	-	-	-	-	-	-	-	
	1 IN ON GD			-	-	-	-	-	-	-	-	-	-	-	-
SLANA	SNOWFALL				2.0	11.1	-	-	T	1.3	2.0			-	
	1 IN ON GD				1	18	-	31	29	31	13			-	
SNOWSHOE LAKE	SNOWFALL				10.3	23.7	9.8	12.3	18.5	6.7	3.7	.1		85.1	
	1 IN ON GD				9	30	31	31	29	-	30	10		-	
SOURDOUGH 1 N	SNOWFALL		T	T	8.7	6.7	9.6	12.0	11.2	4.6	.9	T	T	53.7	
	1 IN ON GD				8	24	31	31	29	31	30	2		186	
TONSINA LODGE	SNOWFALL				T5.0	21.0	25.6	9.0	21.5	6.0	T			96.1	
	1 IN ON GD				9	30	31	31	29	31	30	11		202	
* * *															
COOK INLET 05															
ALYESKA	SNOWFALL				-	42.0	73.5	31.0	40.0	19.0	4.5			-	
	1 IN ON GD				-	15	31	31	29	31	30	2		-	
ANCHORAGE WSMO AP	SNOWFALL				4.3	13.7	16.0	12.0	18.7	3.4	.8			68.9	
	1 IN ON GD				2	14	29	31	29	21				126	
ANDERSON LAKE	SNOWFALL				3.0	13.1	18.7	9.0	-	-	1.0			-	
	1 IN ON GD				-	16	29	31	-	31	1			-	
BELUGA	SNOWFALL				1.0	16.0	10.8	16.0	13.0	7.0				63.8	
	1 IN ON GD					14	31	31	29	-	22			-	
BEN'S FARM MARKET	SNOWFALL				.7	-	21.1	13.8	3.0	4.3				-	
	1 IN ON GD				1	13	26	31	5	5				81	
BIG RIVER LAKE	SNOWFALL				2.1	33.7	-	32.6	42.0	23.6	3.9			-	
	1 IN ON GD				3	20	31	31	29	31	27			172	
CHULITNA HIGHWAY CAMP	SNOWFALL				8.0	54.0	34.0	36.0	12.0	14.0	2.0	T		160.0	
	1 IN ON GD				5	30	31	31	29	31	30	3		190	
CHULITNA RIVER LODGE	SNOWFALL				24.7	-	23.5	55.0	24.2	20.4	6.0	T		-	
	1 IN ON GD				7	30	31	31	29	31	30	19		208	
COOPER LANDING 6 W	SNOWFALL				T	-	-	5.0	11.0	5.5	T			-	
	1 IN ON GD					14	-	31	29	31	1			-	
EAGLE RIVER SOUTH FORK	SNOWFALL				5.1	24.0	28.5	19.5	22.6	6.0	5.0	3.2		113.9	
	1 IN ON GD					19	31	31	29	31	14	1		156	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

1512-447

TOTAL SNOWFALL AND NUMBER OF DAYS WITH ONE INCH OR MORE ON GROUND

SEASON OF 1979 - 1980

ALASKA

STATION		JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL	TOTAL PRECIPITATION
EDGEMIRE LAKES	SNOWFALL				8.1	39.7	34.3	28.3	15.5	16.2	4.0			146.1	
	1 IN ON GD				5	30	31	31	29	31	30	16		203	
EKLUTNA PROJECT	SNOWFALL				.1	10.7	30.4	12.2	6.0	6.2				65.6	
	1 IN ON GD					14	30	31	29	31	11			146	
ELMENDORF A F BASE	SNOWFALL				2.1	12.9	25.8	10.3	12.6	4.0	T			67.7	
	1 IN ON GD				2	17	31	31	29	31	7			148	
GLEN ALPS	SNOWFALL				9.0	27.0	38.0	39.0	38.0	18.0	10.0	2.0		201.0	
	1 IN ON GD				-	27	31	31	-	-	-			-	
HOMER WSO AP	SNOWFALL				1.2	18.8	54.7	13.1	21.1	3.1	T			112.0	
	1 IN ON GD					9	27	31	16	3				86	
HOMER 8 NW	SNOWFALL				11.0	23.0	46.3	34.2	37.5	27.5	21.0			200.5	
	1 IN ON GD				9	12	31	31	29	31	30	12		185	
KASILOF 3 NW	SNOWFALL				-	11.0	9.4	12.2	19.5	4.1	T			-	
	1 IN ON GD				-	16	31	31	29	31	21			-	
KENAI FAA AP	SNOWFALL				T	15.0	9.2	16.3	10.5	4.1	T			55.1	
	1 IN ON GD					12	31	31	29	31	12			146	
MATANUSKA AGR EXP STA	SNOWFALL				4.4	12.1	30.0	14.8	2.0	5.0				68.3	
	1 IN ON GD				3	11	22	-	2	14				-	
PALMER IAS	SNOWFALL				1.5	9.6	18.6	15.5	7.1	7.1				59.4	
	1 IN ON GD				2	6	29	31	29	28				125	
PLANT MATERIAL CENTER	SNOWFALL				1.5	14.0	34.3	18.0	2.4	-				-	
	1 IN ON GD				5	8	27	27	3	-				-	
PORT CHATHAM	SNOWFALL	-	-	-	-	-	-	-	-	-	T			-	
	1 IN ON GD	-	-	-	-	-	-	-	-	-				-	
PUNTILLA	SNOWFALL				5.1	45.1	7.3	31.7	18.4	6.2	9.1	T	T	122.9	
	1 IN ON GD				8	30	31	31	29	31	30	28		218	
ROCK RIDGE DRIVE	SNOWFALL				3.6	26.3	36.2	16.9	22.0	13.4	5.1			129.6	
	1 IN ON GD				6	17	31	31	29	31	14			159	
SKWENTNA	SNOWFALL				1.9	36.1	-	-	18.7	17.9	.5			-	
	1 IN ON GD					20	31	31	29	31	-			-	
TAHNETA PASS	SNOWFALL			T	9.7	39.3	10.1	-	18.1	5.7	1.8	T		-	
	1 IN ON GD				8	30	31	31	29	31	-	18		-	
TALKEETNA WSO AP	SNOWFALL				5.9	25.2	23.3	23.2	15.9	10.5	2.9			106.9	
	1 IN ON GD				4	27	31	31	29	31	21			174	
TRI-NAL ACRES	SNOWFALL				2.4	13.7	8.0	5.2	8.0	3.7	T			41.0	
	1 IN ON GD				3	12	31	31	29	27				133	
TUTKA BAY LAGOON	SNOWFALL				5.0	16.0	46.6	-	-	5.8	-			-	
	1 IN ON GD					-	31	-	-	31	-			-	
WASILLA 3 S	SNOWFALL				2.5	8.0	23.2	11.2	1.7	-	T			-	
	1 IN ON GD					12	30	31	10	13				96	
WASILLA 2 NE	SNOWFALL				3.2	14.1	24.3	12.9	4.8	8.5	1.5			69.3	
	1 IN ON GD				2	9	30	31	29	31	2			134	
WHITE'S CROSSING	SNOWFALL				4.5	15.5	17.4	20.0	4.6	5.6	1.5			69.1	
	1 IN ON GD				2	18	31	31	29	31	13			155	
WILLOW HIGHWAY CAMP	SNOWFALL				3.0	15.0	-	14.0	16.5	5.0	1.3			-	
	1 IN ON GD				2	18	-	31	29	31	12			-	
* * *															
BRISTOL BAY 06															
BROOKS RIVER	SNOWFALL				-	-	-	-	-	-	-	-		-	
	1 IN ON GD				-	-	-	-	-	-	-	-		-	
CAPE NEWENHAM	SNOWFALL			T	T	17.6	15.1	27.1	8.4	10.7	5.4	.1		84.4	
	1 IN ON GD					14	31	31	29	31	30	5		171	
DILLINGHAM FAA AP	SNOWFALL				T	9.0	14.0	13.0	21.8	10.4	2.5	T		70.7	
	1 IN ON GD					14	31	31	29	31	19			155	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

15-12-44

TOTAL SNOWFALL AND NUMBER OF DAYS WITH ONE INCH OR MORE ON GROUND

SEASON OF 1979 - 1980

ALASKA

STATION		JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL	TOTAL PRECIPITATION
SOUTHEASTERN 01															
ANGOON	SNOWFALL						32.2	25.1	1.2	.4				58.9	
	1 IN ON GD						22	31	22					75	
ANNETTE WSO AP	SNOWFALL					.4	13.1	25.6	3.6	5.4	T	T		48.1	
	1 IN ON GD						5	11	2					18	
ANNEX CREEK	SNOWFALL					5.0	79.2	81.8	27.3	22.1				215.4	
	1 IN ON GD					6	26	31	29	31	22			145	
AUKE BAY	SNOWFALL					3.2	43.6	39.6	4.3	1.8	T	T		92.5	
	1 IN ON GD					5	26	31	29	10				101	
BEAVER FALLS	SNOWFALL					T	7.5	41.0	2.0	2.0	T			52.5	
	1 IN ON GD						12	21	18	-				-	
BIORKA	SNOWFALL					.1	-	-	-	-	-	-	-	-	
	1 IN ON GD						-	-	-	-	-	-	-	-	
ELFIN COVE	SNOWFALL					.5	59.3	67.7	6.8	19.3	1.2	T		154.8	
	1 IN ON GD						25	31	29	16				101	
FIVE FINGER LIGHT STA	SNOWFALL						-	7.5	2.0					-	
	1 IN ON GD						-	24	2					-	
FUNTER BAY	SNOWFALL	-	-	-	-	-	-	-	-	4.2				-	
	1 IN ON GD	-	-	-	-	-	-	-	8	6				-	
GLACIER BAY	SNOWFALL						45.2	44.0	11.5	1.8	.5			103.0	
	1 IN ON GD						24	31	29	31	24			139	
GUSTAVUS	SNOWFALL					-	-	28.8	-	-	T	T		-	
	1 IN ON GD					-	25	31	-	-				-	
HAINES	SNOWFALL					2.6	54.5	43.6	8.9	10.1				119.7	
	1 IN ON GD						24	31	14	6				75	
HAINES TERMINAL	SNOWFALL					.5	-	-	-	11.0	1.0			-	
	1 IN ON GD						25	23	8	5	1			62	
HOONAH	SNOWFALL					T	34.8	48.0	5.2	T				88.0	
	1 IN ON GD						25	31	20					76	
JUNEAU 2	SNOWFALL					.2	28.0	34.7	4.6	6.3	T			73.8	
	1 IN ON GD						25	23	3	3				54	
JUNEAU FAA AP	SNOWFALL					1.6	48.4	41.6	4.1	2.4	T			98.1	
	1 IN ON GD					4	25	25	3	2				59	
JUNEAU 9 NW	SNOWFALL				-	-	-	-	-	-	-	-		-	
	1 IN ON GD				-	-	-	-	-	-	-	-		-	
KAKE	SNOWFALL				-	-	-	-	-	-	-	-	-	-	
	1 IN ON GD				-	-	-	-	-	-	-	-	-	-	
KETCHIKAN	SNOWFALL						10.3	-	3.0					-	
	1 IN ON GD						6	16	4					26	
LINGER LONGER	SNOWFALL				T	19.0	57.0	34.7	14.7	7.9	7.5	T		140.8	
	1 IN ON GD					14	31	31	29	31	28			164	
LITTLE PORT WALTER	SNOWFALL						26.6	60.7	11.4	20.2				118.9	
	1 IN ON GD						22	31	26	12				91	
PELICAN	SNOWFALL					1.7	42.3	56.9	5.0	26.4	2.2			134.5	
	1 IN ON GD						25	31	29	31	19			135	
PORT ALEXANDER	SNOWFALL					T	23.8	34.7	3.4	7.6	.8			70.3	
	1 IN ON GD						16	26	7	6				55	
SITKA JAPONSKI FAA AP	SNOWFALL					.4	21.2	18.3	.3	2.5	.6	T		43.3	
	1 IN ON GD						17	20		1				38	
SITKA MAGNETIC OBSY	SNOWFALL					T	25.1	28.7	1.1	2.5	.8	T		58.2	
	1 IN ON GD						20	31	8	1				60	
SKAGWAY 1 NW	SNOWFALL					3.0	-	11.0	-	4.0	1.0			-	
	1 IN ON GD					1	22	31	-	4	1			-	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

15-12-449

TOTAL SNOWFALL AND NUMBER OF DAYS WITH ONE INCH OR MORE ON GROUND

SEASON OF 1979 - 1990

ALASKA

STATION		JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL	TOTAL PRECIPITATION
TENAKEE SPRINGS	SNOWFALL					.5	32.0	35.8	1.2	T				69.5	
	1 IN ON GD						25	31	24					80	
WRANGELL	SNOWFALL						13.8	24.1	4.5					42.4	
	1 IN ON GD						13	27	5					45	
* * *															
SOUTH COAST 02															
CANNERY CREEK	SNOWFALL					-	-	26.3	-	26.1	4.0			-	
	1 IN ON GD					-	-	31	29	31	30	31		-	
COOPER LAKE PROJECT	SNOWFALL					52.0	61.5	10.5	32.5	7.3	T			163.8	
	1 IN ON GD					13	31	31	29	31	7			142	
CORDOVA FAA FSS AP	SNOWFALL					12.0	42.6	27.7	9.4	20.1	1.4			113.2	
	1 IN ON GD					5	28	31	29	31	3			127	
HOPE	SNOWFALL				T	-	57.0	19.0	29.0	5.0	-			-	
	1 IN ON GD					-	31	31	29	31	9			-	
KITOI BAY	SNOWFALL				T	6.7	24.3	16.8	11.6	1.7	T			61.1	
	1 IN ON GD					12	30	28	14	8				92	
KODIAK WSO AP	SNOWFALL				T	9.7	4.7	15.3	13.4	7.1	1.0	T		51.2	
	1 IN ON GD					9	8	12	11	2				42	
MOOSE PASS 6 NW	SNOWFALL					-	-	3.9	-	-	-	-	-	-	
	1 IN ON GD					-	-	-	-	-	-	-	-	-	
SEWARD	SNOWFALL				T	-	37.3	12.3	20.7	2.3	4.9			-	
	1 IN ON GD					9	15	31	12	2	3			72	
SITKINAK	SNOWFALL	-	-	-	-	-	10.0	2.5	-	3.5	-			-	
	1 IN ON GD	-	-	-	-	8	16	10	8	3	2			-	
SUTTON 2 E	SNOWFALL				4.9	14.2	22.3	23.3	12.1	8.6	T			85.4	
	1 IN ON GD				6	18	31	31	29	31	4			150	
VALDEZ WSO	SNOWFALL				T	31.8	105.5	37.3	86.5	36.4	3.9			301.4	
	1 IN ON GD					14	31	31	29	31	28			164	
WORTMAN'S	SNOWFALL				-	-	-	-	-	-	-			-	
	1 IN ON GD				-	-	-	-	-	-	-	9		-	
YAKATAGA AP	SNOWFALL				T	2.5	26.5	37.5	-	6.0	T			-	
	1 IN ON GD					2	21	29	-	7				-	
YAKUTAT WSO AP	SNOWFALL				T	4.6	48.3	33.5	12.9	28.1	1.7	T		129.1	
	1 IN ON GD					2	22	31	9	16				80	
* * *															
SOUTHWESTERN ISLANDS 03															
ADAK	SNOWFALL				T	21.0	20.6	-	-	43.7	16.8	2.2	T	-	
	1 IN ON GD					12	9	-	-	14	9			-	
AMCHITKA	SNOWFALL	-	-	-	-	13.8	4.7	6.6	13.0	9.1	-	1.0		-	
	1 IN ON GD	-	-	-	-	13	8	12	25	6	15			-	
ATTU	SNOWFALL				T	25.1	16.0	27.7	14.9	23.0	12.2	T		118.9	
	1 IN ON GD					-	10	24	26	31	30	14		-	
CAPE SARICHEF	SNOWFALL	-	-	-	-	-	14.0	8.6	6.6	-	2.0			-	
	1 IN ON GD	-	-	-	-	-	-	12	5	8	1			-	
COLD BAY WSO AP	SNOWFALL			T	.3	15.2	10.5	14.1	11.1	23.7	13.6	1.1		89.6	
	1 IN ON GD					15	16	22	12	16	8			89	
ST PAUL ISLAND WSO AP	SNOWFALL			T	T	14.6	8.7	8.5	5.0	12.1	9.6	1.7		60.2	
	1 IN ON GD					14	14	19	9	22	26	4		108	
SAND POINT	SNOWFALL	-	-	-	-	-	-	-	-	-	-	-		-	
	1 IN ON GD	-	-	-	-	-	-	-	-	-	-	-		-	
SHEMYA USAF BASE	SNOWFALL			T	1.0	13.4	20.9	17.0	15.1	10.7	5.7	.2		84.0	
	1 IN ON GD					8	15	14	25	23	10			95	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

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DAILY PRECIPITATION

ALASKA
JULY 1980

STATION	TOTAL	DAY OF MONTH																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
SOUTHEASTERN 01																																
ANGOON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANNETTE WSO AP R	6.73	.36	.30			T	T	T		T	.02		T	.44	T		T	.02	.03	1.33	.44	1.07	.02	T	.41	.18	.06	.09		.13	.67	1.13
ANNEX CREEK	11.83	.09	.06				T	T	.04	.09			.13	.37	.30	.02	.05	.37		1.58	1.16	.45	.06	1.66	.41	.05	.23	.16	.06	1.14	1.79	1.51
BLAKE BAY	6.56	.22	.05	T			.01	.84	T	.02	T		.16	.51	.46	T	.14	.11		.62	.71	.25	.01	.96	.05	.03	.02	.08	.27	.29	.81	.62
BEAVER FALLS	7.68		.61	.03			.05			.35				.28	.26	.08		.01		1.10	1.05	.56	.62	.10	.12	.28	.18	.22	.04	.10	.66	.78
ELEIN COVE	4.95	.32	T			T	.05	.10	.16	.01			.07	.47	.08	.04	.02	.01		.04	.55	.04	.17	.60	.01	.04	.05	.02	.27	.22	1.27	.36
FIVE FINGER LIGHT STA	9.99		.33					.60	.70	.40	.20		.10	.20	.60	.03		.02		1.05	.61	.15	.25	1.01	.81	.65	.21	.80	.31	.42	.32	.15
FUNTER BAY	6.00	.40	.07	T				.03	.08	T			.10	.41	.13		.02	.12		.21	.49	.13	.02	.23	T	.13	.03	T	.04	.10	1.01	.25
GLACIER BAY	3.88	.25	.05				T	.07	.18	T			.10	.51	.28		.03			.29		.08	.08	.23	.37	.01	.01	.01	.24	.23	.12	.14
GUSTAVUS	1.49	.04	.01			.01	.03	.08	T	.02			.03	.23	.21	.04	.12	T		T	.09	T	T	.01	.18	.04		T	.02	.11	.19	.03
HAINES	1.99	.17	.02				.01							.07	.05	.02	.01			.25	.05			.80	.12					.03	.22	.17
HAINES TERMINAL	2.39			T			.05	T						.05	.05	.04	.05			.40	.02	.02		1.09	.22	T		T	T	.07	.12	.20
HOONAH	3.73	.60	.10				T	.10	.15					.69	.17						.19	.29	.18	.30	.21	.12	T		.02	.07	.46	.08
JUNEAU 2	8.96	.11	.08	T			T	.01	.04	.17		.01	.06	.36	.73	.03	.07	.23		.71	1.01	.31	.01	.99	.59	.05	.04	.18	.13	.39	1.14	1.51
JUNEAU FAA AP R	6.49	.18	.02				.04	.03	.17			.05	.16	.38	.17	T	.15	.04	.03	.86	.57	.30	.33	.69	.03	.07	.07	.03	.20	.08	1.22	.62
JUNEAU 9 NW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KETCHIKAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LITTLE PORT WALTER	9.31	.27	.64					.10	.87				.01	.20	.05		.07		.11	1.70	.08	.48	.84	.11	.21	.29	.19		.23	.11	2.37	1.25
PELICAN	6.24	.54	.06	.01		T		.07	.05	.01	.14	.13	.15	.47	.06	.07	.07	.08	.01	.29	.35	.13	.03	.22	.08	.15	.32	.02	.21	.63	.91	.94
PORT ALEXANDER	13.29	.02	.63	.01				.08	.19					.38	.13	.01		.04	T	1.07	.90	.76	.52	.33	.38	.83	.22	.13	.02	.69	.78	5.17
SITKA JAPONSKI FAA AP	4.95	.38	.83				.07	.14	.10			T	.21	.37	.21	.14	.08	.05	.05	.24	.25	.01	.53	.16	.04	.11		T	.66	.17	.61	.39
SITKA MAGNETIC OBSY	4.81	.36	.06				T	.13	.17	T	T		.14	.42	.22	.11	.16	.12		.15	.16	.15	.54	.29	.01	.11	.11		.54	.25	.26	.25
SEAGWAY 1 NW	2.16	.04													.04								.03	1.45	.24				.02	.06	.07	.21
TENAKEE SPRINGS	3.72							.03	.11	.31			.03	.55	.09		.02	.19		.11	.26	.26	.25	.30	.05	.06	.02		.13	.11	.41	.43
WRANGELL	7.24	.20	.05						.12	.11	.10			.32	.70	.02	T	.05	.01	.51	.67	.05	.57	.54	.09	.43	.27		.08	.54	.45	.86
SOUTH COAST 02																																
CANNERY CREEK	12.71			T		T	2.00	1.79	.36	.04	.02	1.71	2.30	.03		.03	.02	T								T	.50	1.55	.70	1.10	.55	.81
COPPER LAKE PROJECT	2.77			*	*	.02	.04	.16	T	.04	*	*	.89	.01		.36	.05	T								*	*		.19	.46	.38	.17
CORDOVA FAA FSS AP //R	9.05			.01		.03	.45	.60	.27	.25	.14	1.24	.35	.08	.01	.21	.17	.06									.39	2.43	.83	.84	.22	.16
HOPE	2.37			.04			.04	.29	.01	T	.04	.67	.26			.07	T				T				.19	.12			.05	.35	.30	
KITOI BAY	2.28	.11	.48	.03		.16	.05				.40		.34			.1			.02						.05			.20				.03
KODIAK WSO AP	.84		.12		T	.01		T	.02		.14	.14	.02	.07	T	.03			.01	T		T	T	T	T		.06	.02	.17		.03
SEWARD	3.25		T	.01		.58	.35	.12	T	.05	.32	.36	.11			.10		T										.64		.61		T
SITKINAK	5.54	.05	.57			.90	.20	T	T		.80	.90	1.00	.25				T	.01	.10	T		T	T				.01	.13	.60		.02
SUTTON 2 E	4.37	T		.03		.06	.07	.02		.01	T	.72	.22	.14		.01	.06	.08	T	T	T		.05		.41	.22	.89	.12	1.04	.02	.10	.04
VALDEZ WSO	7.70	T		.06		.07	.60	.20	.11	.03	.14	1.20	.90			T	.06	T			T				T	.41	.31	1.02	1.24	.98	.29	.08
WORTHAM'S	3.06			.03		.01	.09	.04	.01			.34	.30	.02								.01				.06	.20	.42	.89	.17	.38	.09
YAKATAGA AP	5.69						T	.76	.31	T	T	.11	.63	.12	.05	.06	T							T	.04			.06	1.80	.20	.93	.54
YAKUTAT WSO AP R	11.89	.03					.10	.89	.09		.02	.14	.71	.51	.01	.01	.07	.05	.12		T	T	T	.12	.27	.10	.20	.47	2.73	1.50	3.21	.54
SOUTHWESTERN ISLANDS 03																																
ADAK	1.68	T	T	.20	.08		T	.01		T	.04	T	T	T		T	T	T	T	T	.16	.03	.01	T	T	1	T	T	.34	.11	.02	.68
ANCHITKA	2.65	.01	.01	.15		.01		.02	.01	.01		.01	.01	.02	.04			.10	.01	T		.10		.01	.22	.05	T	T	.02	.74	.01	1.08
ATTU	3.07	T				T																		.01	T	T	.06	.58	1.83			.20
CAPE SARICHEF	3.81	.38	.10		.31	.11	.02		.02	.01	.65	.01	.11	.02			.02	.03	.17	.08				.01				.50	.46	.71	.03	.06
COLD BAY WSO AP R	2.68	.09	T	.01	.30	.11	.01	.02	.02	.46	.25	.04	.04	T	T	T		.04	T		T	T	T				.39	.11	.65	.03	.01	.08
ST PAUL ISLAND WSO AP R	1.20	.17	.01	.16	.29	.02	.03	.02	T	T			T	T	.02	T	T		.02			T	T				.08	.05	.26	.01	.05	.01
SAND POINT	5.26	.15	.06		.14	.54	.02				1.90	.95	.13	T	T	T	.01	T	.01	T	.01	T	T	.33	T	T	T	.15	.01	.07		
SHEMYA USAF BASE R	1.49	.01	T	T	T	T	T	T	T	T	T	T	T	T	T	T	.01	T	T	T	.01	.33	T					.12	.17	T	T	.04
COPPER RIVER 04																																
COPPER CENTER	2.33	.04		.03			*	.30			.21				T	.27		.04	.04			.04			.11	.06			T	.42	.73	.02
GLENNALLEN 4SAM	3.00	.05		.13	.03		.04	.08	T	.03	T		.06		.02	T		.01	.07					.54	.09		.41	.02	.31	.22	.83	.04
GLENNALLEN 5SSW MOS	2.60	.01	.01	T		T					.04		.02	T		.01	.15	T	.01	.01				.01	.17	.52	T		.32	.38	.86	.09
MENTMEN LAKE	-	-	-	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MC CARTHY 1 NE	2.99	.43						.09				.43	.38			.13			.18				.08				.24	T	.23	.06	.67	.87
MELCHINA HUT CAMP	3.05	.27		T	.05			T	.50	.03	.05		T	.12	T	.05	.55	.11	.04		T	T				*	*	*	.85	.30	.13	T
OLE EGGERTON	2.21	.07	T				.06	.17			.01		.13	.08	.05	.14	T		.01		.07	.10				.10	.18	.05	.13	.07	.71	.08
PAXSON	4.45	T		.11	.01			.08	.13	.07	*	*	*	.56	.07	.06	1.02	.28	.02							.05	.10	.74	.68	.04	.30	.13
SLANA	2.27			.12	T							.02	.01		.35		.51	.10	.22	T						.09	.33		.22	.04	.24	.02
SNOWSHOE LAKE	2.47	.04		T	T				.15	.01			.02	.10	.13	.10	.33	.45	.02	.03	T				.01	.10	.20	.01	.25	T	.30	.22
SQUIRROUGH 1 N	2.48	.02						.01	T	T		.18	.02	.07	.02	.10	.20	.42	.04	.28	T					T	.40	.13	.21	.08	.26	.04
TONSINA LODGE	1.65	.16			T			.43	.03				.01		.04	.02			T		.12	.01					.13	T	.04		.54	.12
COOK INLET 05																																
ALTESKA	6.83			.05	.02		.24			.10			.27	.90	.14			.04	.01			T						.18	*	*	.86	.72	T
ANCHORAGE WSMO AP R	2.27		T	.09		.09	.18	.11	T	T	T	.13	.24	T		.27		.01	.01								T	.48	.04	.35	T	.27
ANDERSON LAKE	2.80							.33					.05	.14				.23									.49	.02	.77	T	.08	.55
BELUGA	3.30	.01		.05		.07	.47	.33	.03	.07	.03	.83	.35	.03		.17		.13	.14								.36				
BEN'S FARM MARKET	3.30			.10		.09		.03				.48	.24	.03		.28	.02	.04							.06	.14	.87	.20	.30	.07	.02	.33
BIG RIVER LAKE	6.99		.09	.02		.63	1.31	.13	.06	.06	.57	.67	1.04	.11		.05											.18	.15		.92		
CHULITNA HIGHWAY CAMP	5.61			.05		.15	T	.44	.25	T	.15	1.43	.55	.14		.11	.02	.55							.15	.05	T	1.30	.12	.15		
CHULITNA RIVER LODGE	8.82	.05		T	T	.05	.18	T	.03		.04	1.22	.52	.13	.09	.13	.35	.40						.03		.54	1.62	2.32	.71	.25		.16
COOPER LANDING 6 W	3.12		T	T			.06	.47	.04	.02	.04	.23	.32	.03	T	.15	.10	.09			.57	T	.01		T				.13	.05	.80	.01
EAGLE RIVER SOUTH FORK	4.18	.21		.46		.07	.06	.03	.12	.16	.62	.22	.12			.26	.20	.39								.30		.24	.02	.33	.37	
EDGEMERE LAKES	8.44	.08					.08	.42	.83		.34	1.61	.60	.29	.43	.21	.08	.52								.27	.11	2.55	.33	.46	.01	.02
ELKUTNA PROJECT	2.96	T		.10	.04	.05	.20	.20	.13	.05	.01	.43	.34	.05	T	.26	.05	.09					.02			.13	.50	.24	.57	.05	.10	.22
EIELSONDORF A F BASE	2.69			.16		.11	.18	.17	.05	T	.17	.21	.17	T		.24	.05	.01			T						T	.34	.04	.28	.01	.50
GLEN ALPS	3.03	.14		.23	.10		.15	.14	.03	.02	.07	.31	.30	.09	.02	.16	.20	.03	.05						.02			.03	.29	.06	.46	.13
HOMER WSO AP	2.99		.10	T		.02	.30		T	T	.50	1.20	.04			T		T										.05		.77	T	.81
HOMER 8 NW	3.79		.09			.21	.49				.24	.97	.31				.12	.02	T		T	T						.23		.98	T	
KASILOF 3 NW	2.44			.04		.06	.22	.13	.04	.06		.55	.42	.09			T											T	.13	.17	.53	T
KENAI FAA AP	2.10		.02	.01		.15	.25	T	T		.30	.41	.08			.10	T											.27		.51		
MATANUSKA AGR EXP STA	3.72	.03		.12	.02		.27	.01	.04	.01		.46	.38	.13			.16	.18	.07										.69	.04	.06	.27
PALMER FAA	3.45	T		.12	.01		.18	.01	.01			.50	.23	.09		.12	.10	.07					.03		.08	.10	.82	.01	.59		.07	.31
PLANT MATERIAL CENTER	3.60			.10		.08	.09	.07	.06	.03	.02	.31	.22	.04		.45	.05	.05								.15	.97	.18	.38	.05	.10	.20
PORT CHATHAM	5.13								1.70	.40		2.15	.88			T																
PUNTILLA	2.59	.02	.09	T		.18	.12	T	T	T	.26	.27	.50	.14	T	.09	.16	.06							.01	.12	T	.24	.12	.21	T	
ROCK RIDGE DRIVE	2.50	.08		.26	.04	.02	.09	.22	T	.03	T	.17	.26	.02		T	.03	.03						T				.30	.01	.29	.23	.42
SAMENTNA //	4.25	.01	.02	.10		.15	.72	.13	T	.10	.75	.42	.95			.16	T	.11								.07		.27		.27		.02
TANNETA PASS	2.22	.05	.04	.04		T		.06	.11	T	.02	.02		T		.04	.12	.10	.13	T					.17	.57	.20	.03	.04	.04	.09	.27
TALKEETNA WSO AP	4.69		.01	.12		.06	.11	.16	T	T	.31	.98	.34		.06	.06	.20	.29						T		.01	T	1.34	.12	.29	.17	.55
TRIONAL ACRES	2.95			.07		.01	.14	.13	.08	.02	.05	.09	.36			.11	.62	.13				.02			.02			.11		.72	.24	.01
TUTKA BAY LAGOON	4.13						.20	.19	.19	.14	.04	.54	.94	.26				.61										.04	.09	*	*	1.08
WASILLA 3 S	3.47	.02		.08		.04	.16	.08	.09	.02	T	.54	.23	.06		.08	.12	.46	.03							.13	.13	.35	.41	.03	.07	.34
WASILLA 2 NE	4.69			.15			.21	.05		.08		.52	.29			.12	.14	.14								.26	.31	.47	.54	.06		.81
WHITE'S CROSSING	4.07	.05		.16	.02		.05	.42	.03	.02		.33	1.35	.27		.02	.10	.09	.05	.02						.05	.06	.18	.54	.12	.87	.87
WILLOW HIGHWAY CAMP	3.44	.12						.65	.10	.10		*	*	*	.72	.01	.16	.06				.01							1.05	.04	.11	.31

SEE REFERENCE NOTES FOLLOWING STATION INDEX

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DAILY PRECIPITATION

ALASKA
JULY 1990

STATION	TOTAL	DAY OF MONTH																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
BRISTOL BAY 06																																
BROOKS RIVER	3.51	.06	.17	.11	.06	.11	.57			T	.60	.17	.32	T	.01	.05								.04	.19	.01		.07	.12	.20	.11	.52
CAPE NEWENHAM	8.54	1.58	.19	T	1.40	1.04	.04	.57	.13		.55	.24	.32	T	.22								.10	T	.03		.78	.17	.59	.16	.13	.05
DILLINGHAM FAA AP	3.53	.12	.19	T	.51	.56	.05	.03	.05		1.10	.35	.21	T	.04	.01												.01	.12	.05		
ILIAMNA FAA AP	6.61	T	.43	.39	.02	.31	.46	.01	.06	.17	.38	1.61	.70	T	T	.08	.01				.02					.05		.33	.04	1.34	.04	.02
IVIRICATE BAY	3.85		.32	.25			.59			.14	.71	.03	.53			.04													.02	.72		.10
KING SALMON WSO AP //R	2.97	.06	.16	.02	.21	.21	.07	T	.02	.06	.59	.10	.30	T	.09	.05	.01			.03	T	.12		.10		.25	T	.25	.32	.12	.05	.03
PORT ALSWORTH	3.34		.48	.36		.02	.13		.05	.07	.42	.04	.03	.03	T	.06	.02			T	T							.61	.33	.27	.02	.15
PORT HEIDEN	1.87	.14	T	.04	.06	.21	.17	.08	.03	.02	.18			T	.05	.05							.08		.02		.17	.09	.32	.14	.12	.08
SPARREVOHN	5.45		.44	.12	.03	.31	.16	.12	.11	.15	.34	.40	.91	.03	.02	.15	.01		T									.92	.15	.51	.07	.23
WEST CENTRAL 07																																
BETHEL WSO AP B	4.00	.70	.09	.01	.25	.51	.09	.43	.25	.55	.02			T	.14											.01	.44	.06	.40	.01	T	T
CAPE ROMANZOF	4.79	.57	.06	.12	.25	1.33	.04	.16	.55	.01	.02	T	T	T	.13		.02		.04	T						.27	.89	.04	.15	T	.09	.01
EMMONAK	4.42	.28	.28	.22	.05	.74	.07	.11	.14	.02	.03	T	T	.02	.15	.02	.01									.09	.48	.19	.03	.02	1.47	.81
NOME WSO AP B	2.61	.30	.13	.01	.11	.63	.07				.09	.03		.01	.09	.04										T	.85	.12			T	
PORT CLARENCE	2.46		.18			.20	.40	.30							.15	.18												.75	.10	.20		
RUSSIAN MISSION	3.52	.03	.85	.15	.16	.40	.15	.04	.22	.12	.05	.10			.12	.15	.10				.06	.13					.17	.13	.13	.27	.10	.05
ST MARYS	3.79	.07	.50	.23	.06	.50	.33	.14	.47	.04	.24	T			T	.11	T				-	-	.01			T	.21	.39	.09	.11	.08	.02
TIN CITY	1.21	T	.20	.02	T	.37	T				T	.08	-	.05	.04	.08	.06	T	T				T	T		T	.32	.09	.01	T		
UNALAKLEET WSO AP	-		.63	.32	.34	-	-	.44	.03	.02				T	.12	.07	.01	T	T							T	T	.40	-	.95	T		
WALES	1.07		.13			.27	.15	.02	T		T			T	T	.06	.04	T	T													
INTERIOR BASIN 08																																
ALLAKAKET	1.82	.02				.04	.01	.04	.45	.43	.03	.07	.17	.05												.02	T	.27		.04	.08	
BETTLES FAA AP	1.69	.14			.03	T	.02	.20	.35	.10	T	.28	.07											T		T	.07	.07	.20	.17	T	.03	.09
BIG DELTA FAA/AMOS AP	1.32			.05	T				.01	.08				.33	.02	.01	.05		.01							.01	.15	.12	.26	T	.22	T
CENTRAL 2 //	1.50				.04			.06	.57		.16	.03		.13	.03					.05	.03		.06	T	.11	T	T	.12	.13	.19		
CHANDALAR LAKE	1.58	.06	.02		.03			.01	.10	.04		.04	.40			.04													.06	.35	.02	.0
CIRCLE CITY	1.88								.40	.60				.08																		
CLEAR	2.34			.03				T	.04	.60			.12	.05			.21	.18							.08	.05	.10	.44	.30	.80		
CLEAR WATER	.95			.01					.16	T				.22	.04		.09	.02								.47	.18	T	.11	T	.33	
COLLEGE OBSERVATORY	2.81	.24						.02	.16	T	.01	.02		.02	.06	T	.23	.57									.18	.20	.41	.08	.11	T	
COLLEGE 5 NW	1.85	.37	T		T	.05	.01	T	.20	.03	.04	.02	T	.04	.23	T		.03									.16	.08	.55	T	.02	T
EAGLE	2.91	.28			T	T			.62	.47	.05	.05		T	.05	T					T					T	.40	.04	.20	.32	.12	.3
EIELSON FIELD	2.02			T			.03	.25	T	.45	T			.40	T	.04	.16				.07				.13	.26	.03	.20	.17	T	T	.0
FAIRBANKS WSFO AP B	1.37				.01			T	.01		.03	T	.03	.04	T	.09	.03				.25		.01		.05		.02	.53	.09	.01		.0
FIVE MILE CAMP	.54				T			T	.02	.04	T	.02	T	.01	T	.03	.10		.04							.03	.11	.03	.06	.83	T	.0
GALENA AIRPORT	1.02		.01	.08	.06	.05	.03	T			.05	.35	T															.08	.05			
GILMORE CREEK	3.08	.27						.11	.27	.04	.22				.75		.19	.10	.28		.07	.08	T		.25		.13	.26	.56			.12
HEALY 2 NW	1.35							T	T	T			T	T	T								T		T	T	.25	.25	.54	.12	T	
INDIAN MOUNTAIN	2.01	.05		.03	.01	T	.01	.12	.25	.16	.16	.42	T	T	.11	.17	.02				.07					T	.07	.45	T			
MANLEY HOT SPRINGS	2.49			T	.06			.02		.03	T	.03	.03	.11	.02	.06	.21	.08	T	.05	T				T	.06	.13	1.62	.11	.02	T	
MC GRATH WSO AP B	2.96		.13	.04		.30	.16	.15	.01	.11	.31	.65	.11	.02	.04	.21	.08											.31	.13			
MC KINLEY PARK	2.31	.07			.02		T	.01		.01	T	.10	.12													.29	.27	.03	.31	.09	T	T
MINCHUMINA	2.59	T	T	T	T	T	.15	.22	T	.14				.18	.05	.02	.23	.67	.05	.02	T				.01	.02					1.10	
NORTH POLE	.69							.10		.05				.08	.03	.07	.11	.01	T							.09			.13			.15
NORTHWAY FAA AP	3.22		T	T				T	.04	.16	.08	.03				.12	.46	.40	.70	.12						.16	.15	T	T	T		.01
PROSPECT CREEK	2.15	.08			.03		T	T	.54	1.00	T	.32	.22				.01									.07	.03	.32	.08	.04	T	.18
RIKA'S LANDING	2.29			T				.04	.01	T			T	.01	.30	.07	.12	.02	.01			.05			.05	T	.50	.14	.01	.42	.01	.16
SALCHA	1.65			T				.06	.02	T	.14			T	.26	.09	T	.05			.16					T	.09	.11	.36	.10	.23	
TANANA FAA AP	2.68	.11			.06	T	.05	.01	.11	.08	.01	.14	.05	.10	T	.05	.16	.07	-	-	-	-	-	-	T	.23	.14	.97	.21	.03		
TATALINA	2.74	-	.21	.11	-	.38	.07	-	-	-	.32	.44	.12	-	-	-	-	-	-	-	-	-	-	-	-	.04	.18	.28	T	T	.11	
TOK	-																									T						
UNIVERSITY EXP STATION	3.35							.14	.10	T	.02		.04	.05	.01	.26	.61		T	.01				.31		.42	.23	T	.49	.22	.01		.41
ARCTIC DRAINAGE 09																																
BARROW WSO AP //R	.77		.06	T	.02			T	T	T	T	T	.29	.07	.09	T	.01	T	T	T	T	T	.01	T	.10	T	T	T	.03	T	T	
BARTER ISLAND WSO AP R	1.03				.01	.01	T	T	T	T			.04	T	.35		T	T	T		T	.01	T	T	.10	.03	.24	T	.01	T	
CAPE LISBURNE	2.14			T	-	-	-	-	-	-	-	-	-	T	.13	.02	-	-	-	-	-	-	-	-	-	.05	.47	1.36	-	-	-	
GALBRAITH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.01	-	-	T	T	.29	.06				
KOTZEBUE WSO AP //R	1.52	T	.08	.06	T	.22	.05	.01	.34			.29	.01	T	.08	.03						T			.20	.04	.01		T	.01	T
LONELY	.46				.10							T	.03	T	.07											.14	.27	.31	T	T	T	
UMIAT //R	1.34				.02									T	.60																	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

15-12-48

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

ALASKA JULY 1980

STATION	TEMPERATURE													PRECIPITATION								
											NO. OF DAYS							SNOW, SLEET			NO. OF DAYS		
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	MAX. 90° AND ABOVE	MAX. 32° AND BELOW	MIN. 32° AND BELOW	MIN. 0° AND BELOW	TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	TOTAL	MAX. DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
COOK INLET 05																								
ALTESKA	M	M	M		77	21					0	0	0	0	4.03		.90	12	.0	0		8	0	0
ANCHORAGE WSMO AP R	63.4	50.6	57.0	- .9	75	20	42	2	243	0	3	0	0	0	2.27	.20	.48	27	.0	0		8	0	0
ANDERSON LAKE	64.6M	48.3M	56.5M		78	24	41	2	262	1		0	0	0	2.80		.77	28	.0	0		7	2	0
BELUGA	65.0	48.4	56.7		75	21	41	2+	251	0	5	0	0	0	3.30		.83	11	.0	0		8	1	0
BEN'S FARM MARKET	67.0	49.0	58.0		78	23+	42	2	207	0	8	0	0	0	3.30		.87	26	.0	0		9	1	0
BIG RIVER LAKE	64.2	49.3	56.8		79	20	45	4+	247	0	8	0	0	0	5.99		1.31	6	.0	0		10	6	2
CHULITNA HIGHWAY CAMP	67.5	48.6	58.1		81	20	44	5+	208	1	8	0	0	0	5.61		1.43	11	.0	0		13	4	2
CHULITNA RIVER LODGE	64.5	47.0	55.8		82	23	41	30	281	3	7	0	0	0	8.82		2.32	27	.0	0		13	6	3
COOPER LANDING 6 W	66.9M	46.4M	56.7M		79	24	35	2	249	0	12	0	0	0	3.12		.80	30	.0	0		8	2	0
EAGLE RIVER SOUTH FORK	62.3	42.3	52.3		72	22+	36	18+	384	0	3	0	0	0	4.18		.62	10	.0	0		14	1	0
EDGEMERE LAKES	70.3	48.3	59.3		88	23	43	4	184	12	12	0	0	0	8.44		2.55	27	.0	0		13	4	2
EKLUTNA PROJECT	68.9	46.9	57.9		80	24+	37	2	214	0	15	0	0	0	3.96		.57	28	.0	0		14	2	0
ELMENDORF A F BASE	61.4	49.9	55.7	- 2.3	73	23+	42	2	283	0	2	0	0	0	2.69	.53	.50	31	.0	0		11	1	0
GLEN ALPS	57.2	44.5	50.9		70	24+	39	3+	430	0	2	0	0	0	3.03		.46	30	.0	0		12	0	0
HOMER WSO AP	59.4	46.7	53.1	.8	67	20	39	2+	362	0	0	0	0	0	2.99	1.29	1.20	11	.0	0		5	3	1
HOMER 8 NW	60.8	45.5	53.2		73	20	37	4+	362	0	2	0	0	0	3.79		.98	29	.0	0		9	2	0
KASILOF 3 NW	58.8	44.9	51.9		67	21	30	4	399	0	0	0	1	0	2.44		.55	11	.0	0		7	2	0
KENAI FAA AP	60.8	48.8	54.8		78	20	40	4	308	0	1	0	0	0	2.10		.51	29	.0	0		7	1	0
MATANUSKA AGR EXP STA	66.2	49.0	57.6	.1	77	23	42	2	220	0	8	0	0	0	3.72	1.29	.78	26	.0	0		10	2	0
PALMER IAS	65.5M	48.8	57.2M		78	21	42	2	237	0	7	0	0	0	3.45		.82	26	.0	0		10	3	0
PLANT MATERIAL CENTER	69.8M	49.1M	59.5M		80	23			169	3		0	0	0	3.60		.97	26	.0	0		10	1	0
PORT CHATHAM	M	M	M		70	22						0	0	0	5.13		2.15	11	.0	0		4	3	2
PUNTILLA	61.8	42.4	52.1		79	23	32	30	394	0	7	0	1	0	2.59		.50	12	.0	0		11	1	0
ROCK RIDGE DRIVE	66.0	47.3	56.7		77	23+	40	18	251	0	9	0	0	0	2.50		.42	31	.0	0		8	0	0
SKWENTNA //	66.9M	47.7M	57.3M		84	23+	41	1	236	3		0	0	0	4.25		.95	12	.0	0		12	3	0
TAHNETA PASS	62.0M	42.7M	52.4M		75	23	35	18	386	0		0	0	0	2.22		.57	25	.0	0		8	1	0
TALKEETNA WSO AP	66.5	50.4	58.5	.6	83	20	42	1	202	5	9	0	0	0	4.68	1.20	1.34	27	.0	0		12	2	1
TRI-NAL ACRES	64.5	44.7	54.6		79	20	34	4	313	0	7	0	0	0	2.95		.72	29	.0	0		9	2	0
TUTKA BAY LAGOON	63.0M	47.4M	55.2M		72	27+			296	0		0	0	0	4.13				.0	0				
WASILLA 3 S	68.3	48.8	58.6		78	23+	40	2	194	1	9	0	0	0	3.47		.54	11	.0	0		10	1	0
WASILLA 2 NE	67.5	44.9	56.2		77	23+	35	2	266	0	11	0	0	0	4.09		.81	31	.0	0		12	3	0
WHITE'S CROSSING	63.6	47.2	55.4		79	24+	34	2	292	2	7	0	0	0	4.07		1.35	12	.0	0		9	2	1
WILLOW HIGHWAY CAMP	M	M	M		84	24+	39	2				0	0	0	3.44				.0	0				
DIVISION			55.9	- .3											3.85	1.38			.0					
BRISTOL BAY 06																								
BROOKS RIVER	64.6	46.6	55.6		80	23	36	16	284	0	11	0	0	0	3.51		.60	10	.0	0		12	3	0
CAPE NEWENHAM	54.6	47.1	50.9		73	21	41	14+	429	0	2	0	0	0	8.54		1.54	1	.0	0		15	7	3
DILLINGHAM FAA AP	61.8	48.1	55.0		81	20	42	15+	309	5	6	0	0	0	3.53		1.10	10	.0	0		9	3	1
ILIAMNA FAA AP	63.5	48.6	56.1		78	23	44	14+	268	1	9	0	0	0	6.61	3.75	1.61	11	.0	0		10	4	2
INTRICATE BAY	64.9	46.2	55.6		79	23	38	19	288	2	10	0	0	0	3.85		.72	29	.0	0		9	4	0
KING SALMON WSO AP //R	63.2	47.0	55.1	.6	81	23+	39	17	301	3	11	0	0	0	2.97	.79	.59	10	.0	0		11	1	0
PORT ALSWORTH	66.5	47.1	56.8		82	23	43	15+	248	2	10	0	0	0	3.34		.61	27	.0	0		9	1	0
PORT HEIDEN	58.9	47.2	53.1		75	22+	42	14	364	0	4	0	0	0	1.87		.32	28	.0	0		8	0	0
SPARREVOHN	59.9	48.3	54.1		77	24+	40	3	341	11	7	0	0	0	5.45		.92	27	.0	0		16	3	0
DIVISION			54.7	.2											4.41	1.87			.0					
WEST CENTRAL 07																								
BETHEL WSO AP R	61.5	48.1	54.8	.1	80	19	42	8+	315	6	8	0	0	0	4.00	2.02	.70	1	.0	0		9	3	0
CAPE ROMANZOF	54.0	46.0	50.0		70	22+	39	12	459	0	2	0	0	0	4.79		1.33	5	.0	0		10	4	1
EMMONAK															4.42		1.47	30	.0	0		10	2	1
NOME WSO AP R	60.3	47.2	53.8	3.7	71	18	42	4	341	0	4	0	0	0	2.51	.09	.85	26	.0	0		6	2	0
PORT CLARENCE	58.1M	47.1M	52.6M		71	23	36	4	375	0		0	0	0	2.46		.75	27	.0	0		9	1	0
RUSSIAN MISSION	64.2	46.3	55.3		81	20	38	16	299	3	10	0	0	0	3.52		.85	2	.0	0		16	1	0
ST MARYS	65.5	46.0	55.8		83	23	41	16+	282	1	10	0	0	0	3.79		.50	5+	.0	0		12	2	0
TIN CITY	51.0	42.5	46.8		65	23	37	28	558	0	0	0	0	0	1.21		.37	5	.0	0		3	0	0
UNALAKLEET WSO AP	64.3M	46.7M	55.5M	1.5	74	22+			296	0		0		0										
WALES	52.0	42.5	47.3		62	23	30	26	543	0	0	0	1	0	1.07		.40	27	.4	0		4	0	0
DIVISION			52.4	.2											3.09	1.00			T					
INTERIOR BASIN 08																								
ALLAKAKET	71.5	46.5	59.0		82	24	34	30	180	2	20	0	0	0	1.82		.45	8	.0	0		4	0	0
BETTLES FAA AP	70.4	50.9	60.7	2.8	81	23	43	30+	146	17	16	0	0	0	1.69	- .10	.35	8	.0	0		7	0	0
BIG DELTA FAA/AMOS AP	70.9	52.2	61.6	2.2	80	23+	41	29	109	11	18	0	0	0	1.32	- 1.17	.33	13	.0	0		4	0	0
CENTRAL 2 //	73.6M	48.7M	61.2M		84	3+			121	14		0	0	0	1.50		.57	8	.0	0		6	1	0
CHANDALAR LAKE	67.3	42.6	55.0		75	18+	32	26	307	0	16	0	1	0	1.58		.40	12	.0	0		5	0	0
CIRCLE CITY	74.6M	49.8M	62.2M		86	25	38	1	117	38		0	0	0	1.88				.0	0				
CLEAR	71.8M	50.9M	61.4M		81	23	39	31	126	14		0	0	0	2.36		.60	9	.0	0		8	1	0
CLEAR WATER	72.6	46.3	59.5		81	23	31	29	168	6	20	0	1	0	.95		.22	13	.0	0		4	0	0
COLLEGE OBSERVATORY	72.5	50.3	61.4		83	24	41	31	122	21	17	0	0	0	2.81		.57	17	.0	0		9	1	0
COLLEGE 5 NW	70.6	50.6	60.6		82	24+	42	31+	147	17	15	0	0	0	1.85		.55	28	.0	0		5	1	0
EAGLE	71.6	46.9	59.3		82	25+	38	29	171	3	21	0	0	0	2.91		.62	8	.0	0		8	1	0
EIELSON FIELD	72.0	52.5	62.3		82	23	43	31	96	18	18	0	0	0	2.02		.45	9	.0	0		8	0	0
FAIRBANKS WSFO AP R	70.6	51.2	60.9	.2	81	23	42	31	127	8	16	0	0	0	1.37	- .53	.53	27	.0	0		3	1	0

SEE REFERENCE NOTES FOLLOWING STATION INDEX

15-12-453

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

ALASKA
JULY 1980

STATION	TEMPERATURE													PRECIPITATION								
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	NO. OF DAYS MAX. 90° OR ABOVE	NO. OF DAYS MAX. 32° OR BELOW	NO. OF DAYS MIN. 32° OR BELOW	TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	SNOW, SLEET TOTAL	SNOW, SLEET MAX. DEPTH ON GROUND	SNOW, SLEET DATE	NO. OF DAYS .10 OR MORE	NO. OF DAYS .50 OR MORE	NO. OF DAYS 1.00 OR MORE
FIVE MILE CAMP	71.9	46.5	59.2		83	1	36	5	179	7	21	0	0	.54		.25	19	.0	0		1	0	0
GALENA AIRPORT	66.6	51.9	59.3		80	18	45	30	174	3	10	0	0	1.03		.35	11	.0	0		3	0	0
GILMORE CREEK	70.7	45.5	58.1		82	24+	35	30	205	0	16	0	0	3.08		.75	14	.0	0		11	2	0
HEALY 2 NW	68.3M	46.3M	57.3M		80	23	35	31	232	0		0	0	1.35		.54	28	.0	0		5	1	0
INDIAN MOUNTAIN	69.2M	50.4M	59.8M		83	18			161	9	16	0	0	2.01		.45	27	.0	0		7	0	0
MANLEY HOT SPRINGS	72.2	46.2	59.2		83	23	34	31+	171	0	19	0	0	2.49		1.62	27	.0	0		5	1	1
MC GRATH WSO AP R	65.4	49.0	57.2	- 1.0	84	23	45	3	242	0	10	0	0	2.96	.68	.65	11	.0	0		11	1	0
MC KINLEY PARK	65.6	43.6	54.6	.0	78	24	31	31	309	0	9	0	1	2.31	- .64	.67	17	.0	0		6	1	0
MINCHUMINA	71.0M	51.5M	61.3M		83	23			134	24		0	0	2.59				.0	0				
NORTH POLE	74.1M	44.3M	59.2M		84	23	36	30	176	1		0	0	.49		.13	28	.0	0		3	0	0
NORTHWAY FAA AP	68.7	47.2	58.0	- .5	79	24	39	22	212	0	15	0	0	3.22	.69	.98	16	.0	0		9	2	0
PROSPECT CREEK	68.4	46.9	57.7		78	19	35	30	222	0	14	0	0	2.75		1.00	9	.0	0		5	2	1
RIKA'S LANDING	72.4	46.7M	59.6M		81	23+	37	29	163	4	20	0	0	2.29		.50	25	.0	0		7	1	0
SALCHA	72.5	48.7	60.6		82	22	41	31	136	7	19	0	0	1.65		.36	28+	.0	0		6	0	0
TANANA FAA AP	70.5	49.6	60.1	1.4	82	23+	34	31	155	7	14	0	0	2.48	.38	.97	27	.0	0		9	1	0
TATALINA	64.1	51.4	57.8		84	21	44	3	249	36	8	0	0	2.74		.44	11	.0	0		11	0	0
TOK	71.1	44.2	57.7		81	24+	31	24	222	0	21	0	2					.0	0				
UNIVERSITY EXP STATION	73.2	47.6	60.4	.2	82	23+	37	31	137	3	22	0	0	3.35	1.04	.61	16	.0	0		10	1	0
DIVISION			59.4	1.2										2.04	- .28			.0					
ARCTIC DRAINAGE 09																							
BARROW WSO AP //R	39.5	31.9	35.7	- 3.0	54	24	28	29+	902	0	0	0	16	.77	- .11	.39	12	T	0		2	0	0
BARTER ISLAND WSO AP R	39.9	34.2	37.1	- 2.9	52	25	30	22	860	0	0	0	6	1.03	- .09	.35	14	T	0		4	0	0
CAPE LISBURNE	49.7	40.9	45.3		63	24	35	28+	603	0	0	0	0	2.14		1.36	27	.0	0		3	1	1
GALBRAITH																							
KOTZEBUE WSO AP //R	60.1	51.1	55.6	2.7	69	1	45	29+	284	0	0	0	0	1.52	- .03	.34	8	.0	0		4	0	0
LONELY	38.7	32.5	35.6		55	24	27	29	903	0	0	1	16	.46		.20	24	.0	0		2	0	0
UMIAT //R	60.4	38.1	49.3		81	3+	27	30	487	6	4	0	7	1.34		.60	14	T	0		4	1	0
DIVISION			43.1	- 2.7										1.21	- .20			T					

SEE REFERENCE NOTES FOLLOWING STATION INDEX

15-12-454

JULY 1980 VOLUME 66 NUMBER 7

Climatological Data

ALASKA

TEMPERATURE AND PRECIPITATION EXTREMES

HIGHEST TEMPERATURE:	EDGEMIRE LAKES	88	DATE 23
LOWEST TEMPERATURE:	2 STATIONS	27	DATE 30+
GREATEST TOTAL PRECIPITATION:	PORT ALEXANDER	13.29	
LEAST TOTAL PRECIPITATION:	LONELY	.46	
GREATEST 1 DAY PRECIPITATION:	PORT ALEXANDER	5.17	DATE 31
GREATEST TOTAL SNOWFALL:	WALES	.4	

SUPPLEMENTAL DATA

	WIND (SPEED - M.P.H.)						RELATIVE HUMIDITY AVERAGES- PERCENT (STANDARD OF TIME 150TH MERIDIAN)				NUMBER OF DAYS WITH PRECIPITATION							PERCENT OF POSSIBLE SUNSHINE	AVERAGE SKY COVER SUNRISE TO SUNSET
	RESULTANT DIRECTION	RESULTANT SPEED	AVERAGE	FASTEST MILE	DIRECTION OF FASTEST MILE	DATE OF FASTEST MILE	02	08	14	20	TRACE	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 AND OVER	TOTAL		
ANCHORAGE WSMO AP	23	1.8	7.1	40 %	SE	11	83	76	66	73	7	5	8	2	0	0	20	37	7.8
ANNETTE WSO AP	15	4.1	7.2	36 %	SE	30	92	84	79	87	8	6	7	1	3	0	25	-	9.3
BARROW WSO AP	7	10.4	13.2	36 %	W	25	86	82	77	82	10	6	2	0	0	0	18	-	8.6
BARTER ISLAND WSO AP	8	12.5	15.1	33 %	NW	25	96	95	91	94	14	7	4	0	0	0	25	-	9.4
BETHEL WSO AP	21	4.5	12.5	46 %	S	05	97	90	73	78	3	7	6	3	0	0	19	-	7.5
BETTLES FAA AP	23	1.3	4.9	-	-	-	86	72	47	61	4	6	7	0	0	0	17	-	-
BIG DELTA FAA/AMOS AP	-	-	-	-	-	-	-	60	45	59	5	8	4	0	0	0	17	-	-
COLD BAY WSO AP	23	6.0	17.0	44++	14	10+	96	92	80	90	9	11	6	1	0	0	27	-	9.1
FAIRBANKS WSFO AP	27	2.1	7.6	28++	36	19	78	67	54	58	3	13	2	1	0	0	19	-	7.4
GULKANA FSS/AMOS	-	-	-	-	-	-	-	68	50	65	9	9	4	2	0	0	24	-	-
HOMER WSO AP	24	3.9	6.8	18++	22	28+	94	-	-	-	6	4	2	2	1	0	15	-	6.8
JUNEAU WSO AP	8	4.0	7.3	-	-	-	91	86	78	86	1	11	9	4	1	0	26	-	-
KING SALMON WSO AP	20	6.1	9.0	41 %	S	10	91	86	67	78	4	11	10	1	0	0	26	-	9.3
KODIAK WSO AP	6	1.1	7.6	33 %	NW	29	90	84	75	82	8	9	4	0	0	0	21	-	8.0
KOTZEBUE WSO AP	28	4.4	12.4	37 %	E	05	99	85	81	80	6	8	4	0	0	0	18	-	7.5
MC GRATH WSO AP	21	1.9	5.7	32	S	27	88	84	65	72	4	8	10	1	0	0	23	-	8.3
NOME WSO AP	24	2.9	8.6	26++	25	12+	80	75	73	73	2	8	4	2	0	0	16	38	6.9
ST PAUL ISLAND WSO AP	-	-	-	38 %	W	28	95	95	85	93	9	11	4	0	0	0	23	-	9.2
TALKEETNA WSO AP	-	-	-	22++	17	27	-	84	66	77	5	6	10	1	0	0	23	-	-
UNALAKLEET WSO AP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VALDEZ WSO	22	2.6	3.8	25 %	SW	14+	94	85	73	86	5	5	6	3	3	2	22	-	8.3
YAKUTAT WSO AP	13	2.0	6.5	32 %	SE	30	94	86	79	86	3	7	8	4	1	2	25	-	8.7

% PEAK GUST

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC CENTER, ASHEVILLE, NORTH CAROLINA 28801.

David E. Mitchell
DIRECTOR
NATIONAL CLIMATIC CENTER

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15-12-455

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

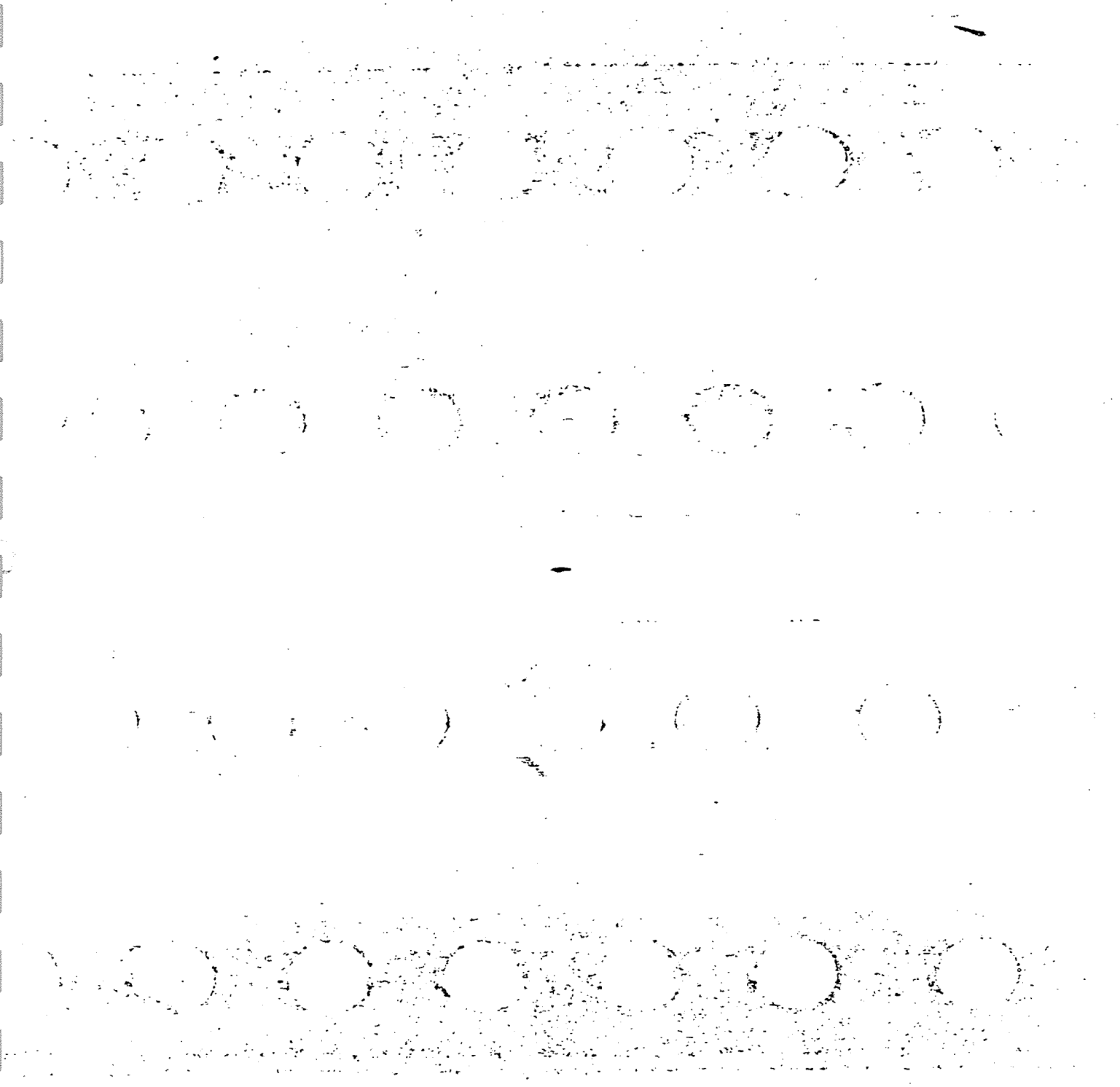
ALASKA JULY 1980

STATION		TEMPERATURE													PRECIPITATION								
		AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	NO. OF DAYS MAX. 90 OR ABOVE	NO. OF DAYS MAX. 32 OR BELOW	NO. OF DAYS MIN. 32 OR BELOW	NO. OF DAYS MIN. 0 OR BELOW	TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	SNOW, SLEET TOTAL	SNOW, SLEET MAX. DEPTH ON GROUND	SNOW, SLEET DATE	NO. OF DAYS .10 OR MORE	NO. OF DAYS .50 OR MORE	NO. OF DAYS 1.00 OR MORE
SOUTHEASTERN	01																						
ANGOON																							
ANNETTE WSO AP	R	60.9	52.8	56.9	- .9	73	11	50	3+	247	0	2	0	0	0	6.72	1.30	1.33	19	.0	0		11	4	3
ANNEX CREEK		59.0M	47.0M	53.0M	- 1.7	68	5+	42	18	364	0	0	0	0	0	11.80	4.28	1.79	30	.0	0		14	6	6
AUKE BAY		62.1	50.3	56.2		70	5	44	18	267	0	1	0	0	0	6.54		.98	23	.0	0		14	6	0
BEAVER FALLS		62.5	52.7	57.6		75	12	48	18	223	0	3	0	0	0	7.48		1.10	19	.0	0		16	7	2
ELFIN COVE		58.9	50.6	54.8		65	25	46	14+	311	0	0	0	0	0	4.95		1.27	30	.0	0		11	3	1
FIVE FINGER LIGHT STA		58.1	M	M		62	4	44	29			0	0	0	0	9.95		1.05	19	.0	0		21	9	2
FUNTER BAY		61.2	52.0	56.6		67	18	44	3	253	0	0	0	0	0	4.00		1.01	30	.0	0		13	1	1
GLACIER BAY		61.4	48.2	54.8		68	25	41	1	307	0	0	0	0	0	3.88		.58	21	.0	0		13	2	0
GUSTAVUS		64.4M	45.5M	55.0M		71	22+	40	15	306	0	5	0	0	0	1.49		.23	13	.0	0		6	0	0
HAINES		65.0	49.6	57.3		74	5	43	14	231	0	5	0	0	0	1.99		.80	23	.0	0		6	1	0
HAINES TERMINAL		62.7M	51.3M	57.0M		68	5+	46	18	240	0	0	0	0	0	2.38		1.09	23	.0	0		5	1	1
HOONAH		61.7M	51.4M	56.6M		67	6+	48	26+	254	0	0	0	0	0	3.73		.69	13	.0	0		13	2	0
JUNEAU 2		61.5	50.5	56.0	- 1.4	73	6+	44	18	273	0	3	0	0	0	8.96	2.53	1.51	31	.0	0		15	7	3
JUNEAU FAA AP	R	61.8	49.4	55.6	- .1	72	5+	41	18	283	0	3	0	0	0	6.49	1.80	1.22	30	.0	0		14	5	1
JUNEAU 9 NW																									
KETCHIKAN																									
LITTLE PORT WALTER		60.9	49.9	55.4	.8	68	5+	44	15	288	0	0	0	0	0	9.31	.25	2.37	30	.0	0		16	5	3
PELICAN		60.2	48.9	54.6		72	21	42	3	315	0	2	0	0	0	6.24		.94	31	.0	0		15	4	0
PORT ALEXANDER		59.7M	49.5M	54.6M		68	6+	44	15+	314	0	0	0	0	0	13.29		5.17	31	.0	0		16	9	2
SITKA JAPONSKI FAA AP		60.5	52.0	56.3		69	21	47	1	266	0	0	0	0	0	4.95		.66	28	.0	0		16	3	0
SITKA MAGNETIC OBST		61.2	49.6	55.4	1.1	71	21	42	4+	290	0	1	0	0	0	4.81	- .30	.54	28+	.0	0		20	2	0
SKAGWAY 1 NW		63.0	52.1	57.6		71	4	48	25+	222	0	1	0	0	0	2.16		1.45	23	.0	0		3	1	1
TENAKEE SPRINGS		63.1	48.6	55.9		74	4+	45	31+	277	0	6	0	0	0	3.72		.55	13	.0	0		13	1	0
WRANGELL		63.6M	54.2M	58.9M	2.2	73	4	48	1	182	0		0	0	0	7.24	2.12	.86	31	.0	0		16	8	0
DIVISION				56.0	.0											6.00	.88			.0					
SOUTH COAST	02																								
CANNERY CREEK		60.7	46.4	53.6		70	22+	40	4+	347	0	2	0	0	0	12.71		2.30	12	.0	0		10	9	6
COOPER LAKE PROJECT		65.6M	47.2M	56.4M		75	23	41	2	261	0		0	0	0	2.77				.0	0				0
CORDOVA FAA FSS AP	//R	64.7	49.0	56.9	3.5	75	22+	40	10	245	0	7	0	0	0	9.05	1.97	2.43	27	.0	0		17	5	2
HOPE		65.0	45.7	55.4		78	18	40	2	292	0	8	0	0	0	2.37		.67	11	.0	0		6	1	0
KITOI BAY		62.0	47.7	54.9		74	26	42	9+	304	0	2	0	0	0	2.28		.48	2	.0	0		8	0	0
KODIAK WSO AP		62.0	49.8	55.9	1.8	71	26	45	9+	274	0	1	0	0	0	.84	- 2.70	.17	29	.0	0		4	0	0
SEWARD		62.6	48.3	55.5	- .5	73	5+	40	1	288	0	3	0	0	0	3.25	.19	.64	27	.0	0		9	3	0
SITKINAK		58.1	47.4	52.8		66	27	42	16	371	0	0	0	0	0	5.54		1.00	12	.0	0		10	6	1
SUTTON 2 E		68.0	45.7	56.9		77	21+	34	2	243	0	9	0	0	0	4.37		1.04	28	.0	0		9	3	1
VALDEZ WSO		61.9	47.3	54.6	1.3	73	22+	41	4	315	0	3	0	0	0	7.70	3.39	1.24	28	.0	0		12	6	3
WORTMAN'S		64.0	45.1	54.6		75	22	36	2	315	0	8	0	0	0	3.06		.89	29	.0	0		7	1	0
YAKATAGA AP		59.5	49.0M	54.3M		67	23	39	2	331	0	0	0	0	0	5.69		1.80	28	.0	0		9	5	1
YAKUTAT WSO AP	R	61.0	49.9	55.5	2.1	69	22	40	19	288	0	0	0	0	0	11.89	3.43	3.21	30	.0	0		15	7	3
DIVISION				55.2	1.1											5.50	- .22			.0					
SOUTHWESTERN ISLANDS	03																								
ADAK		56.1	45.2	50.7		68	26	40	7+	438	0	0	0	0	0	1.68		.68	31	.0	0		5	1	0
AMCHITKA		M	41.9M	M								0	0	0	0	2.65		1.08	31	.0	0		6	2	1
ATTU		58.5	45.2M	51.9M		66	25	33	14	401	0	0	0	0	0	3.07		1.83	28	.0	0		4	2	1
CAPE SARICHEF		53.1	43.1	48.1		65	4+	38	26	515	0	0	0	0	0	3.81		.71	29	.0	0		10	3	0
COLD BAY WSO AP	R	58.2	47.5	52.9	2.8	68	26	43	14+	368	0	0	0	0	0	2.68	.46	.65	28	.0	0		7	1	0
ST PAUL ISLAND WSO AP	R	52.2	42.8	47.5	1.8	61	19	32	19	532	0	0	0	0	1	1.20	- 1.03	.29	4	.0	0		4	0	0
SAND POINT		59.4M	46.4M	52.9M		68	26+	41	14	369	0	0	0	0	0	5.26		1.90	10	.0	0		8	4	1
SHEMYA USAF BASE	R	49.6	44.2	46.9	.9	56	24	36	3	552	0	0	0	0	0	1.49	- 1.02	.84	31	.0	0		4	1	0
DIVISION				50.1	1.9											2.73	- .06			.0					
COPPER RIVER	04																								
COPPER CENTER		73.0M	44.4M	58.7M		85	23	34	2	185	0		0	0	0	2.33		.73	30	.0	0			1	0
GLENNALLEN KCAM		69.6	43.6	56.6		81	23	28	2	251	0	14	0	1	0	3.00		.81	30	.0	0		6	2	0
GULKANA FSS/AMOS		67.4	47.2	57.3	.4	79	23	34	2	231	1	9	0	0	0	2.60	.76	.86	30	.0	0		6	2	0
MANKOMEN LAKE																									
MC CARTHY 1 NE		69.1	42.1	55.6		79	23+	36	5	285	0	15	0	0	0	2.99		.67	30	.0	0		8	1	0
NELCHINA HWY CAMP		64.9M	41.0M	53.0M				34	29+	379	0		0	0	0	3.05				.0	0				0
OLD EDGERTON		68.5	44.7	56.6		80	24	35	20+	251	0	11	0	0	0	2.21		.71	30	.0	0		8	1	0
PAXSON		64.3M	41.9M	53.1M		77	24	35	9+	362	0		0	0	0	4.45		1.02	16	.0	0				1
SLANA		68.5M	44.8M	56.7M		80	23			248	0		0	0	0	2.27		.51	16	.0	0		8	1	0
SNOWSHOE LAKE		66.2M	41.3M	53.8M				33	29	340	0	9	0	0	0	2.47		.45	17	.0	0		11	0	0
SOURDOUGH 1 N		65.2	41.1	53.2		79	24	31	2	361	0	8	0	3	0	2.48		.42	17	.0	0		9	0	0
TONSINA LODGE		68.9	42.9	55.9		79	25+	32	2	274	0	13	0	1	0	1.65		.54	30	.0	0		6	1	0
DIVISION				55.5	.8											2.68	.43			.0					

SEE REFERENCE NOTES FOLLOWING STATION INDEX

15-12-43

PS700.44.03.332



15-12-457

PS700.1403.332

SUSITNA RIVER AT GOOD CREEK

1972 RECONSTITUTION
SNOW MELT

OBSERVED FLOW

CALCULATED FLOW

FLOW CFS x 1000

0
1
2
180
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5

1 5 10 15 20 25 30 1 5 10 15 20 25 30 5 10 15 20 25 30

MAY JUNE JULY

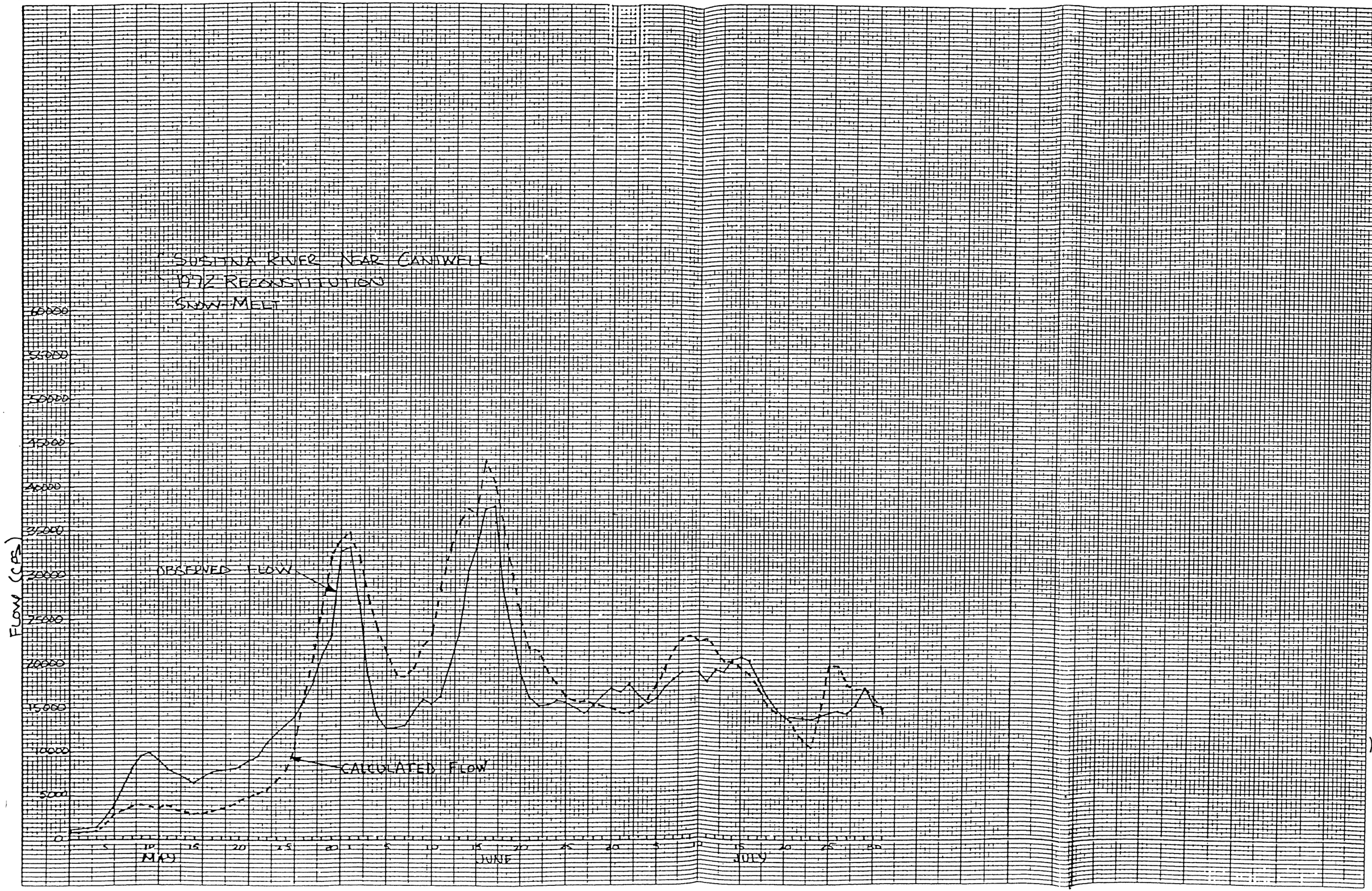
DC 25 AUG 1981

16-12-45

SUSITNA RIVER NEAR CANTWELL

1972 RECONSTITUTION

SNOW-MELT



15-12-45

47 1320

K•E 10 X 10 TO H INCH • 10 X 10 INCHES
KEUFFEL & ESSER CO. MADE IN U.S.A.

MACHAPUNGA RIVER NEAR PARSON
1972 RECONSTITUTION
SNOW-MELT

FLOW (CFS)

8000
7000
6000
5000
4000
3000
2000
1000
0

OBSERVED FLOW

CALCULATED FLOW

5 10 15 20 25 30 5 10 15 20 25 30 5 10 15 20 25 30

MAY JUNE JULY

PTS SEP 1, 1981

47 1320
K+E 10 X 10 TO 14 INCH • 10 X 15 INCHES
KEUFFEL & ESSER CO. MADE IN U.S.A.

SUSITNA RIVER AT GOLD CREEK
- 1971 RECONSTITUTION

RISE (IN)

FLOW (FT3/S) (X1000)

CALCULATED FLOW

OBSERVED FLOW

MAY JUNE JULY AUG

15-12-46

SUSITNA RIVER NEAR CANTWELL
1971 RECONSTITUTION

OBSERVED FLOW

CALCULATED FLOW

FLOW (CFS)

60000
55000
50000
45000
40000
35000
30000
25000
20000
15000
10000
5000
0

6 10 15 20 25 30 1 5 10 15 20 25 30 1 5 10 15 20 25 30 1 10 15 20 25 30

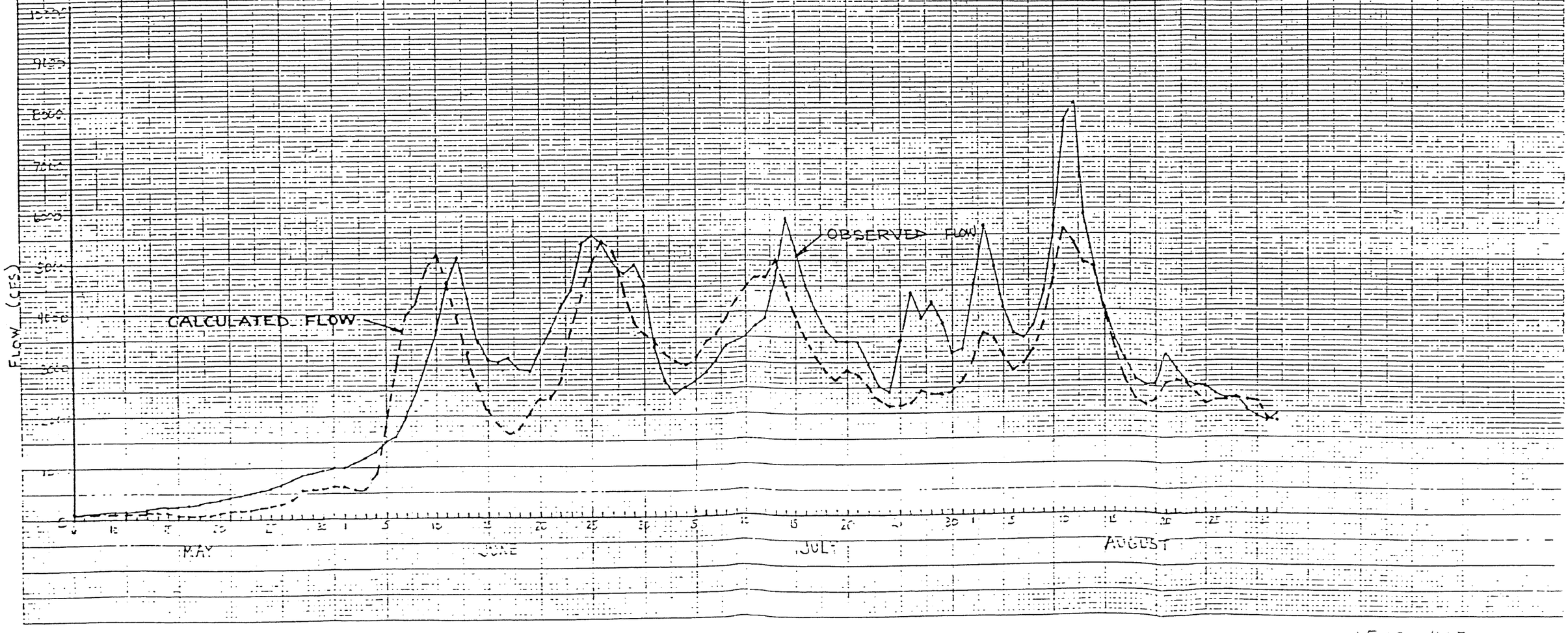
MAY JUNE JULY AUGUST

47 1320

K+E 10 X 10 TO ½ INCH • 10 X 15 INCHES
KEUFFEL & ESSER CO. MADE IN U.S.A.

MACLAREN RIVER NEAR PAXSON

1971 RECONSTITUTION



15-10-463

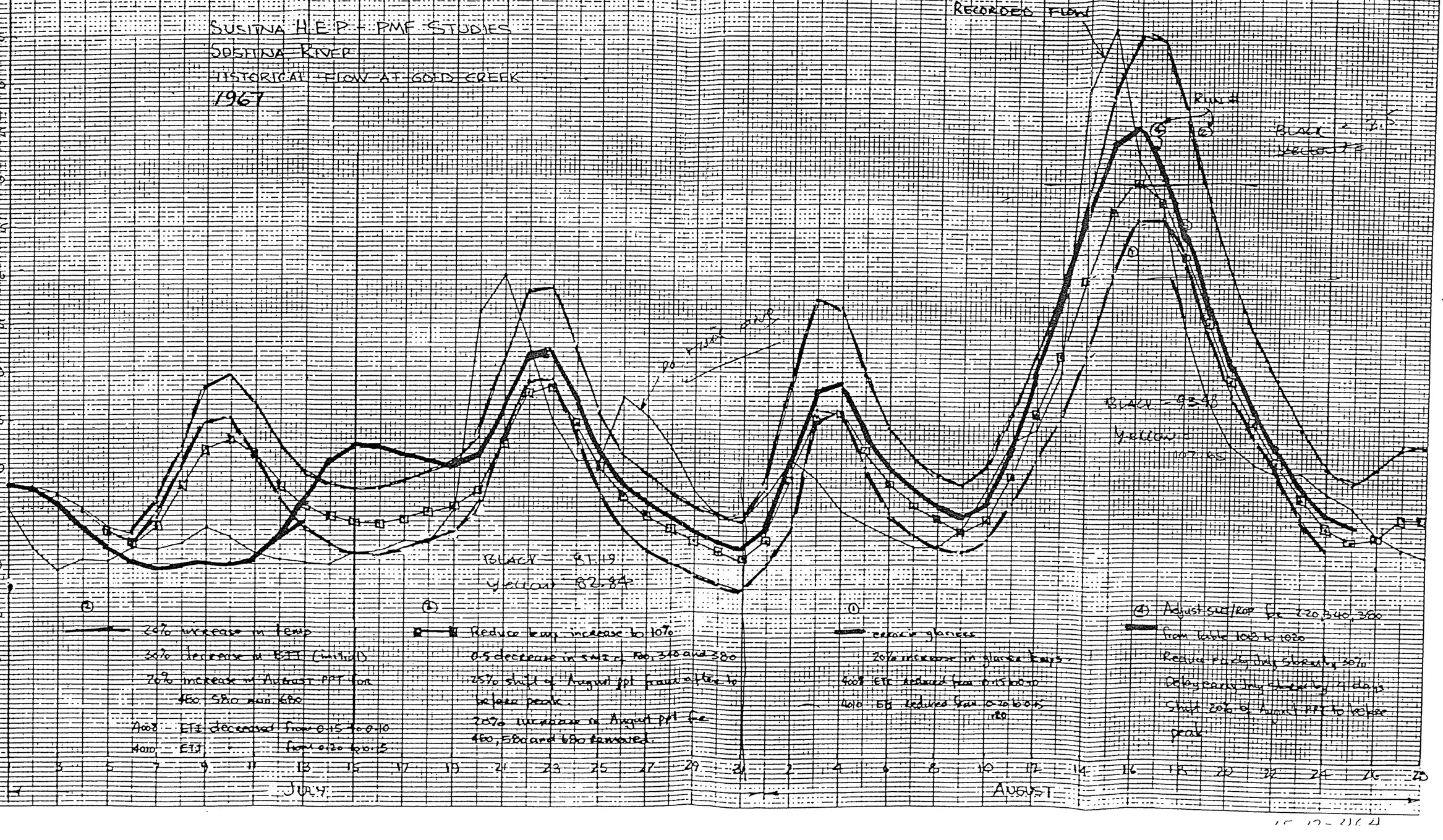
47 1320
10 X 10 TO ½ INCH • 10 X 15 INCHES
KEUFFEL & ESSER CO. MADE IN U.S.A.

SUSITNA H.E.P. - PMF STUDIES

SUSITNA RIVER

HISTORICAL FLOW AT GOLD CREEK

1967



SUSITNA HEP - PMF STUDIES
SUSITNA RIVER
HISTORICAL FLOW NEAR CANTWELL
1967

LEGEND:
SEE GOLD CREEK HYDROGRAPHS

20% temp. increase
10% decrease = 1983

FLOW (1000 CFS)

BLACK: 5.61
BLUE: 6.73

RECORDED

BLACK 5.26
BLUE 7.38

JULY

AUGUST

47 1320
10 TO INCH
KEUFFEL & ESSER CO. MADE IN U.S.A.

1-12-465

47 1320
K·E 10 X 10 TO 14 INCH • 10 X 15 INCHES
KEUFFEL & ESSER CO. MADE IN U.S.A.

PPT (INS)

1.0

2.0

LEGEND:

SEE GOLD CREEK HYDROGRAPHS

=== = 20% temp increase

BLACK = 27.07

yellow = 29.53

Black = 26.35

yellow = 29.51

SUSITNA HEP

PMF STUDY

MACLAREN RIVER AT MACLAREN

1967 FLOOD

DISCHARGE (CFS)

10
8
6
4
2

1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 1 3 5 7 9 11 13 15 17 19 21 23 25

JULY

TIME (DAY)

AUGUST

15-17-2166

SUSITNA H.E.P. - PMF STUDIES

SUSITNA RIVER

HISTORICAL FLOW AT GOLD CREEK

1967

AAI

COE

RECORDED

SSARR 8/16/81

SSARR 8/16/81

SSARR 8/16/81

8/10/81

Run 1
initial SAR reduced 50% all subbasins
ETE reduced 0.15 for July/Aug.

Run 7
SME Table [1020] increased

Run 11
increased glacier temps.

COE

JULY

AUGUST

SUSITNA HEP - PMF STUDIES
SUSITNA RIVER
HISTORICAL FLOW NEAR CANTWELL

1967

PRECIP.

FLOW (X 1000) CFS

LEGEND

SEE GOLD CREEK HYDROGRAPHS

SSARR 8/08/81

JULY

AUGUST

AA1

COT

15-12-462.

47 1320

K&E 10 X 10 TO ½ INCH • 10 X 15 INCHES
KEUFFEL & ESSER CO. MADE IN U.S.A.

ACRES

Calculations

SUBJECT: SUSITNA PMF STUDY
STORM PRECIPITATION AMOUNTS

JOB NUMBER P57001?
FILE NUMBER
SHEET 3 OF
BY P. G. J. DATE June 25, 1
APP DATE

STORM PERIOD	AMOUNTS (mm) Day 1 2 3 4 5 6 7	TOTAL	STATION	ELEV. (ft)
July 25, 26, 27, 28, 29, 30, 31 1980	.17 .52 T .32 .38 .86 .08	2.33	Gulkana	
	.01 T 1.34 .12 .29 .17 .05	1.98	Talkeetna	
	.05 .10 .74 .68 .04 .30 .13	2.04	Paxson	
	.29 .27 .03 .31 .09 T T	0.99	McKinley	
	T .25 .25 .54 .12 0 0	1.16	Healy	
	.07 .07 .12 .26 T .23 T	0.75	Big Delta	
	.54 1.62 2.32 .71 .25 0 .16	5.60	Chulitna Lodge	
	1.2 6.4 13.2 36.6 18.4 2.6 3 3	78.4 (3.09)	Devils Canyon	
WEATHER WIZARDS	10.8 5.8 17.0 23.2 2.2 .4 3	57.4 (2.26)	Watana	
	1.2 13.4 7.8 41.2 11.8 5.2 5.8 .4	86.8 (3.42)	Susitna Glacier	
	.6 4.4 .3 18.4 1.4 .8 1.0 0	27.4 (1.08)	Denali — GLACIERS MOST	
61°49', 147°33'	.17 .57 .23 .03 .09 .09 .09 .27	1.49	Tahneta Pass	
61°36', 149°06'	.08 .10 .82 .01 .59 ? .07 .31	1.98	Palmer FAS	

note: on plots as - this storm is not particularly different from other August storms except that Gulkana is wetter than normal.

ACRES

Calculations

SUBJECT: SUSITNA PMF STUDY

STORM PRECIPITATION AMOUNTS

JOB NUMBER PS70003
FILE NUMBER
SHEET 1 OF
BY DGM DATE 1-18-83
APP DATE

STORM PERIOD	AMOUNTS (inches) Day 1 2 3 4 5 6 7	TOTAL	STATION	ELEV. (ft.)
Aug. 4,5,6,7,8,9,10/1971	0 .15 .6 .16 .79 .08 0	1.78	Anchorage	114
	0 0 .19 .08 .99 .03 .08	0.47	Gulkana	1572
	0 .04 .76 .97 1.58 .77 1.18	4.80	Talkeetna	345
	.03 .05 .03 .41 .33 .72 1.02	2.59	Trims Camp	2408
	T T .71 5.42 .94 .18	2.25	Paxon	2750
	0 .11 .59 .41 .47 1.10 1.10	3.78	Gracious House	2550
	.97 .16 .20 .56 .13 .37 .38	2.27	Mckinley	2070-2093
	.02 .16 .31 .13 .25 .91 .23	1.57	Summit	2400
	.22 .02 .07 .01 .09 .17 .42	0.95	Big Delta	666
	no record		Chulitna Lodge	?
Aug. 9,10,11,12,13,14,15,16, 17/1967	T .03 .02 .19 .65 0 0 .12 .46	1.47	Anchorage	114
	.15 0 T T .03 .06 T 0	0.34	Gulkana	1572
	T .1 .21 .99 .09 .27 1.88 .53 .32 .92 .35	4.71	Talkeetna	345
	.37 .35 .40 .73 2.44 .71 .29 .15 .31	5.95	Trims Camp	2408
	.23 0 .71 .19 .27 .42 .75 0 0 0	2.57	Paxon	2750
	.53 .75 .34 .50 1.08 .71 .77 .25 0	4.99	Gracious House	2550
	.41 .25 0 1.86 .02 .32 .05 .01 .01	2.93	Mckinley	2070-2093
	.30 .30 .98 .16 .18 .47 .38 .03 .23 .04	2.47	Summit	2400
	.12 .09 .09 .04 .52 .03 .02 T 0 0	0.81	Big Delta	666
	no record		Chulitna Lodge	?

ACRES

Calculations

SUBJECT: SUSITNA PMF STUDY

STORM PRECIPITATION AMOUNTS

JOB NUMBER P570003
FILE NUMBER
SHEET 2 OF
BY D.G.J. DATE Jan 13/8
APP DATE

STORM PERIOD	AMOUNTS (inches) Day 1 2 3 4 5 6 7	TOTAL	STATION	ELEV. (FT.)
Aug 19, 20, 21, 22, 23, 24, 25, 1959	.03 .02 .03 .11 .64 .07 T	1.38	Anchorage	114
	.37 .14 0 T .10 .12 .03	0.76	Gulkana	1572
	1.35 T .06 .02 .47 .77 .83 T	3.50	Talkeetna	345
	.94 .02 T .03 .29 .49 .20	1.96	Trims Camp	2408
	no record		Paxon	2750
	.40 .05 .10 .10 .12 1.0 1.0 0	2.77	Gracious House	2550
	.31 .11 T T .07 .75 .23	1.47	Mckinley	2070-2092
	.96 .35 .17 .13 .12 .52 .48 .07	2.30	Summit	2700
	T .07 0 0 0 T .29 0	.36	Big Delta	666
	no record		Clulitna Lodge	?
July 28, 27, 30, 31, Aug. 1, 2, 3 1958	T T .02 .02 .21 .45 .04	0.74	Anchorage	
	.02 .01 .16 .11 .38 .01 .31	0.95	Gulkana	
	.12 .15 .13 .17 .14 .08 .59 .88 .25	2.51	Talkeetna	345
	.08 .61 .31 .92 .30 .26 .32 1.62	4.92	Trims Camp	2408
	no record.		Paxon	2750
	no record		Gracious House	2550
	.11 .09 .12 .55 .75 .12 .08	1.82	Mckinley	2070-92
	.23 .27 .23 .01 .16 .50 .39 .23	2.02	Summit	2400
	T T .67 .17 .07 T 0	0.91	Big Delta	
	no record		Clulitna Lodge	
Aug. 22, 23, 24, 25, 26, 27, 28, 1955	.02 .53 1.30 .97 .15 .23 T	2.70	Anchorage	
	T T .04 .12 .02 .54 .51 .73	2.46	Gulkana	
	.11 .95 1.88 1.98 .85 1.15 1.52 0	0.45	Talkeetna	345
	no record		Trims Camp	
	no record		Paxon	
	no record		Gracious House	
	.04 .01 .05 .39 .03 .42 .21	1.15	Mckinley	2070-92
	.07 .27 1.39 .66 .36 .657 .38 .13	4.73	Summit	2400
	.01 0 0 .18 0 .02 .08	0.29	Big Delta	
	no record		Clulitna Lodge	

ACRES

Calculations

SUBJECT:

JOB NUMBER _____
FILE NUMBER _____
SHEET _____ OF _____
BY _____ DATE _____
APP _____ DATE _____

Correlation to check for storm type

A, G, T, Tc, P, GH, Mc, S, BD, etc.

A vs G				
A vs T	G vs T			
A vs Tc	G vs Tc	T vs Tc		
A vs P	G vs P	T vs P	Tc vs P	
A vs GH	G vs GH	T vs GH	Tc vs GH	P vs GH
A vs Mc	G vs Mc	T vs Mc	Tc vs Mc	P vs Mc GH
A vs S	G vs S	T vs S	Tc vs S	P vs S GH
A vs BD	G vs BD	T vs BD	Tc vs BD	P vs BD GH

too far from basis of correlation

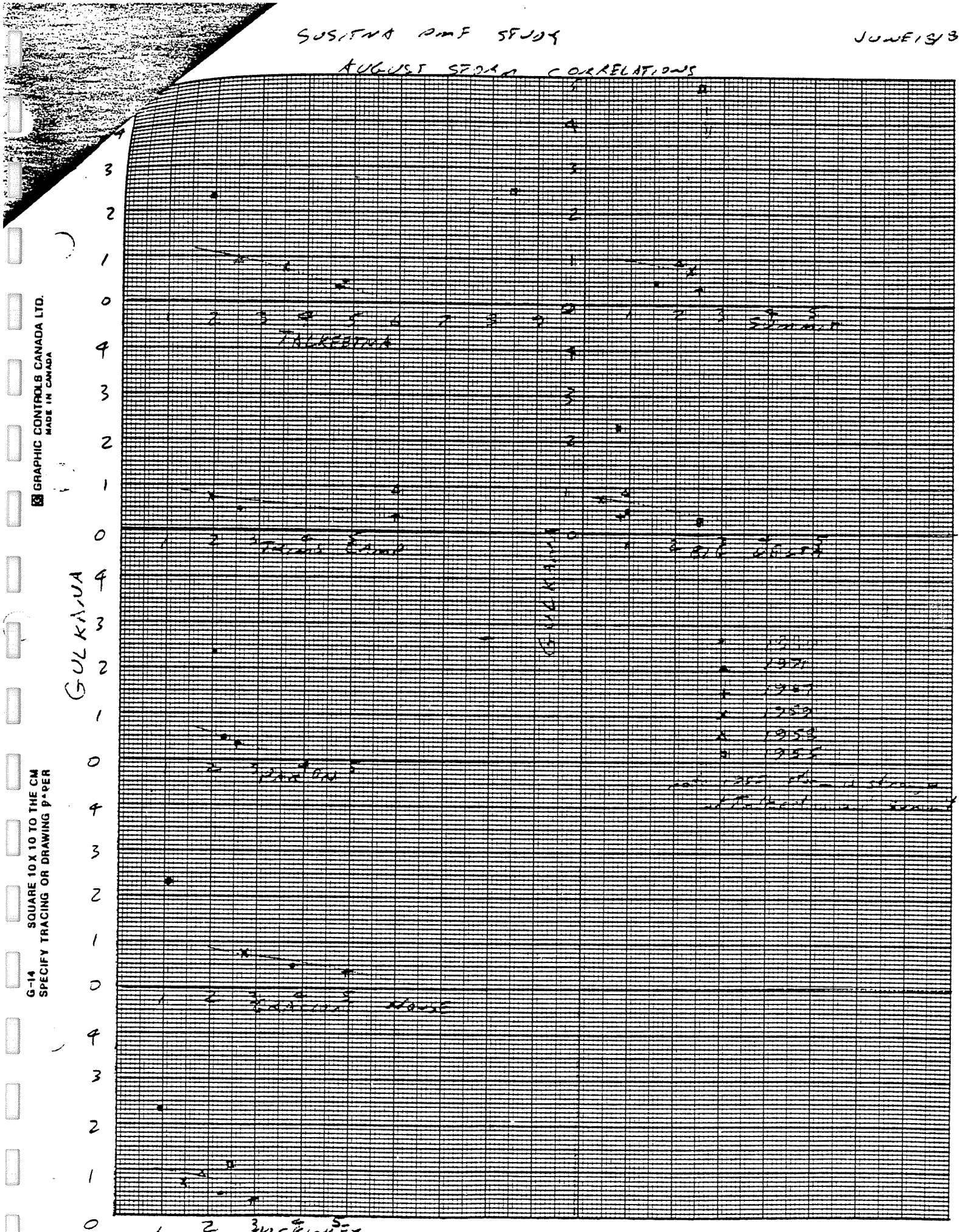
Mc vs S
Mc vs S vs BD
30'

A reasonable corr. or each of 36 Correlations indicates that a definite Avg. storm type does exist

SUSITNA RMF STUDY

JUNE 19, 81

AUGUST STREAM CORRELATIONS



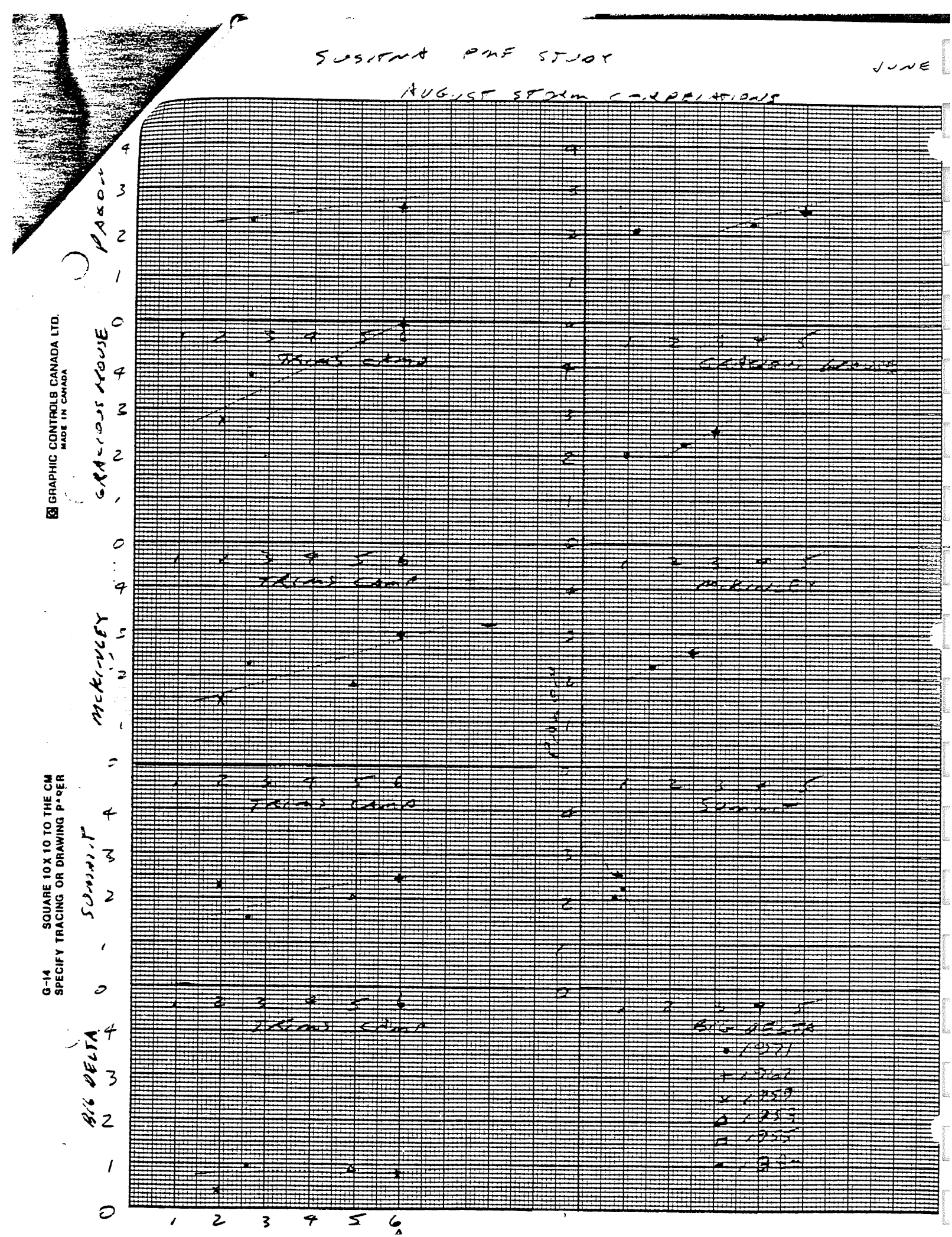
GRAPHIC CONTROLS CANADA LTD.
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G-14 SQUARE 10 X 10 TO THE CM
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SUSITNA PNF STUDY

JUNE

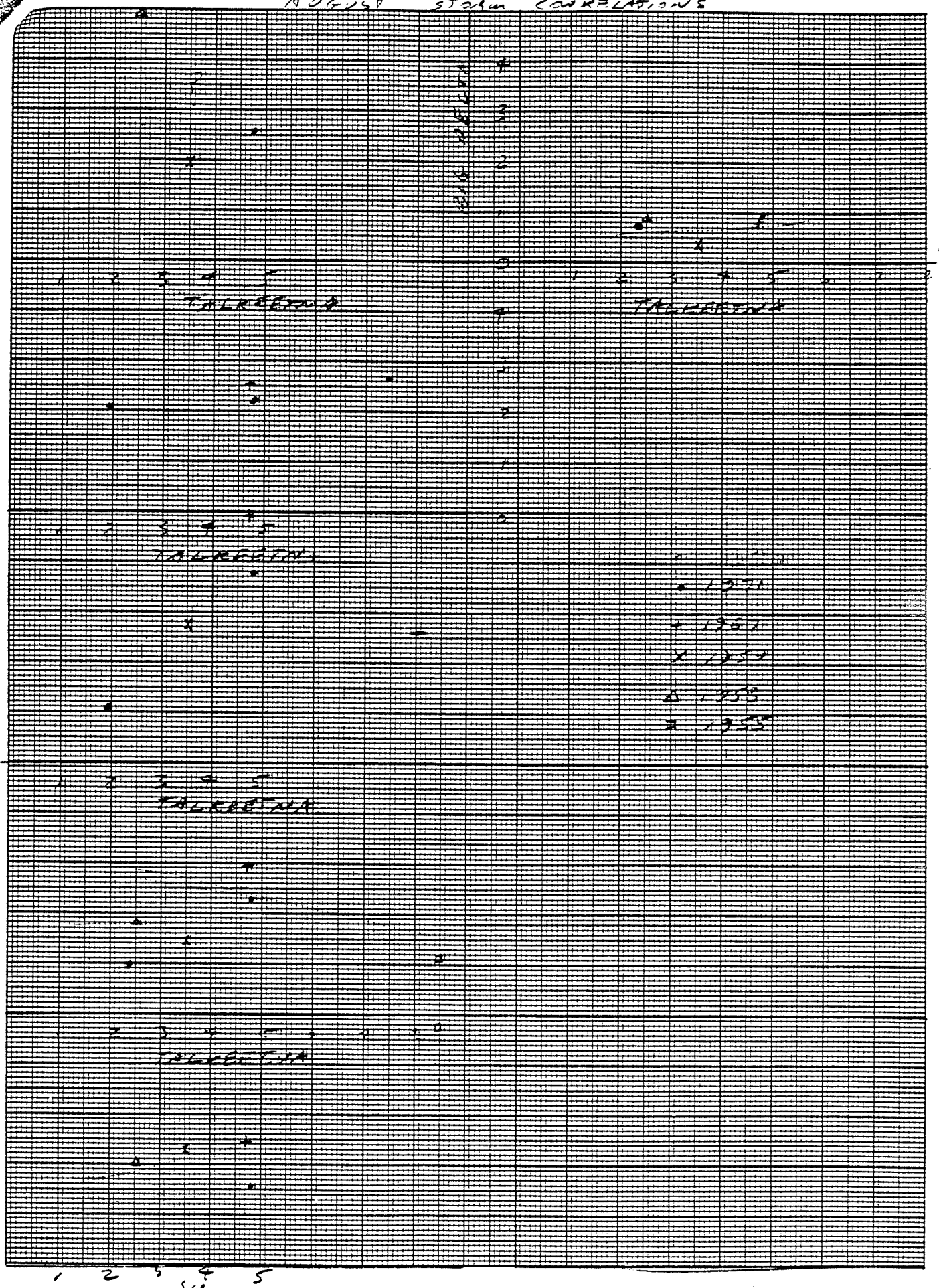
AUG. 15 STORM CORRELATIONS


PAXSON
GRACIOUS HOUSE
MCKINLEY
BIG DELTA
Talkeetna
Denali
Watana
Devil
Jay
Gold
Butte
Susitna
Watana
Devil
Jay
Gold
Butte
Susitna
Watana
Devil
Jay
Gold
Butte
Susitna

SUSITNA FWS STUDY

JUNE 18/3

AUGUST STORM CORRELATIONS

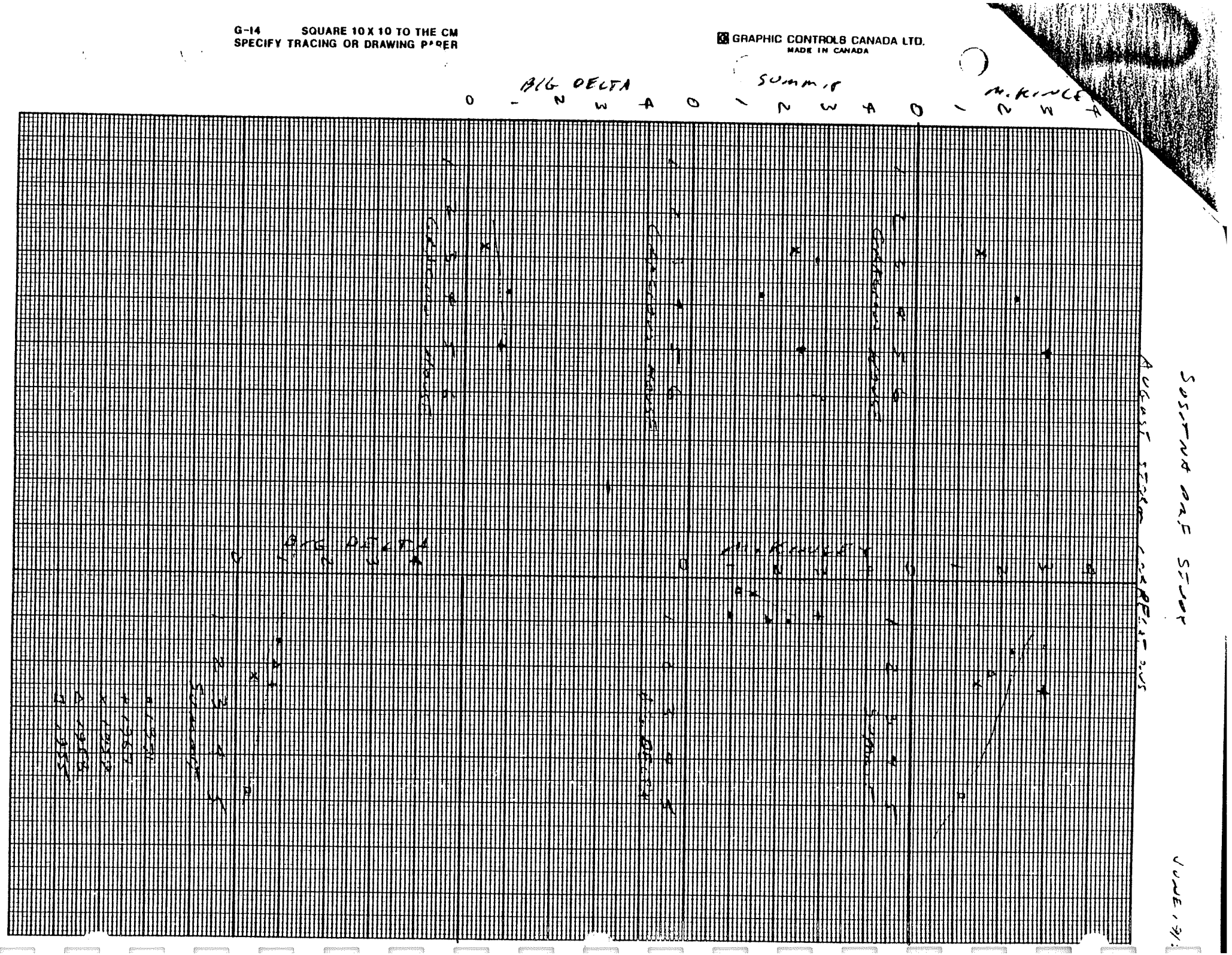


GRAPHIC CONTROLS CANADA LTD. MADE IN CANADA

G-14 SQUARE 10 X 10 TO THE CM SPECIFY TRACING OR DRAWING PAPER

G-14 SQUARE 10 X 10 TO THE CM
SPECIFY TRACING OR DRAWING PAPER

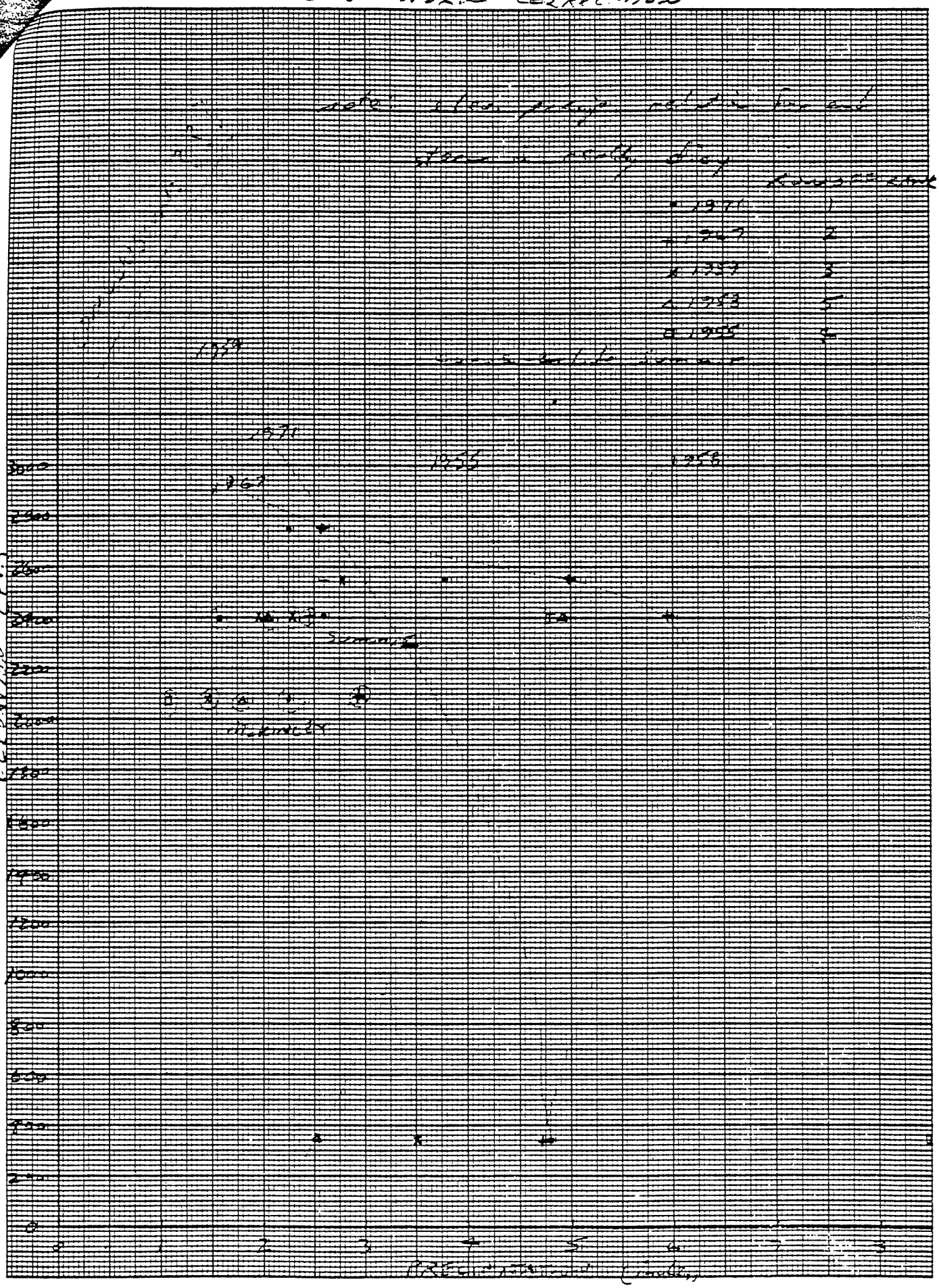
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MADE IN CANADA



SUSITNA PMF STUDY

AUGUST STORM CORRECTION

JUNE 91



GRAPHIC CONTROLS CANADA LTD.
MADE IN CANADA

G-14 SQUARE 10 X 10 TO THE CM
SPECIFY TRACING OR DRAWING PAPER

ACRES

Calculations

SUBJECT: SUSITNA PMF DEVELOPMENT
TEMPERATURE DATA AT ANCHORAGE

JOB NUMBER 157005
FILE NUMBER
SHEET 1 OF
BY [illegible] DATE
APP DATE

August 1971 Storm

Day	Hour	Dew Pt Temp. (°F)	Day	Hour	Dew Pt. Temp. (°F)	Day	Hour	Dew Pt. Temp. (°F)
1	02	52	05	02	48	09	02	52
	05	51		05	48		05	51
	08	52		08	49		08	51
	11	54		11	53		11	53
	14	52		14	53		14	56
	17	52		17	53		17	55
	20	51		20	53		20	55
	23	51		23	52		23	52
2	02	50	06	02	50	10	02	51
	05	50		05	51		05	51
	08	51		08	50		08	52
	11	51		11	50		11	54
	14	52		14	51		14	56
	17	51		17	51		17	56
	20	51		20	49		20	54
	23	47		23	49		23	53
3	02	40	07	02	50	11	02	54
	05	36		05	50		05	53
	08	40		08	50		08	52
	11	43		11	52		11	55
	14	45		14	53		14	56
	17	44		17	50		17	55
	20	44		20	51		20	54
	23	49		23	51		23	48
4	02	45	08	02	51			
	05	42		05	52			
	08	48		08	52			
	11	46		11	53			
	14	50		14	53			
	17	49		17	53			
	20	50		20	51			
	23	48		23	50			

note: underlining indicates precip. recorded
: red is storm
dewpt. is on flowing ice area?

ACRES

Calculations

SUBJECT: SUSITNA ONE STEP PROJECT
TEMPERATURE DATA AT ANCHORAGE

JOB NUMBER A-T2005
FILE NUMBER
SHEET 2 OF
BY [illegible] DATE
APP DATE

August 1967 Storm

Day	Hour	Dew Pt. Temp (°F)	Day	Hour	Dew Pt. Temp (°F)	Day	Hour	Dew Pt. Temp (°F)
6	02	52	10	02	48	14	02	49
	05	51		05	48		05	47
	08	51		08	47		08	47
	11	51		11	49		11	48
	14	54		14	50		14	48
	17	55		17	50		17	47
	20	52		20	50		20	46
	23	48		23	49		23	45
7	02	48	11	02	49	15	02	45
	05	50		05	48		05	45
	08	52		08	48		08	46
	11	53		11	50		11	48
	14	55		14	49		14	48
	17	51		17	47		17	47
	20	48		20	47 T		20	46
	23	50		23	46		23	45
8	02	50	12	02	45	16	02	45
	05	50	46°F	05	45		05	46
	08	51		08	51		08	46
	11	52		11	45		11	48
	14	53		14	48		14	51
	17	50		17	49		17	53
	20	46		20	47 T		20	47
	23	44	begin of precip. period	23	47 T		23	46
9	02	45	13	02	45 T	17	02	50
	05	45		05	48		05	50
	08	46		08	45		08	50
	11	46		11	49		11	51
	14	48		14	51		14	51
	17	49 T		17	51		17	48
	20	48 T		20	51		20	47
	23	48		23	51		23	46

Calculations

AGRES

SUBJECT: SUSITNA RMF NEW POINT TEMPERATURE DATA AT MONTHLY AGI

JOB NUMBER [illegible]
FILE NUMBER
SHEET 3 OF
BY [illegible] DATE
APP DATE

August 1950 Sta

Day	Hour	Acc Pr. Tcp (°F)	Day	Hour	Acc Pr. Temp. (°F)	Day	Hour	Acc Pr. Temp. (°F)
17	02	99	21	02	99			
	05	98		05	98			
	08	54	98°F	08	50			
	11	55		11	98			
	14	99		14	99			
	17	55		17	99			
	20	53		20	51			
	23	51 T		23	99			
	02	51	22	02	97			
	05	52		05	97			
	08	54		08	50			
	11	53 T		11	98 T			
	14	56		14	99			
	17	51		17	52			
	20	50		20	99			
	23	98		23	98			
19	02	99	23	02	99			
	05	99	longest precip. period	05	98			
	08	99		08	50			
	11	98		11	52			
	14	96 T		14	52			
	17	95		17	53			
	20	96 T		20	54			
	23	97		23	53			
20	02	98	29	02	53			
	05	98 T		05	53			
	08	47		08	52			
	11	98		11	53			
	14	98		14	53			
	17	51		17	56 T			
	20	48		20	57			
	23	47		23	56			

ACRES

Calculations

SUBJECT: SUSITNA PMF DEW POINT TEMPERATURE DATA AT FORKS

JOB NUMBER 5720.01
FILE NUMBER
SHEET 9 OF
BY PGH DATE 1/23
APP DATE

July - August / 1958 Storm

Day	Hour	Dew Pt. Temp (°F)	Day	Hour	Dew Pt. Temp. (°F)	Day	Hour	Dew Pt. Temp. (°F)
28	02	55	1	02	52			
	05	56		05	52			
	08	56 T		08	52			
	11	57 T		11	52			
	14	52		14	53			
	17	50		17	53			
	20	50		20	52			
	23	50		23	50			
29	02	50	2	02	50			
	05	51		05	52			
	08	52		08	51			
	11	49 T		11	52			
	14	47 T		14	53			53°F or 52°F ?
	17	49 T		17	53			may be use 50°F
	20	49		20	51			
	23	49		23	49			
30	02	47	3	02	48			
	05	47		05	47 T			
	08	47		08	47			
	11	48		11	45			
	14	51		14	47			
	17	50 T		17	45			
	20	52		20	42 T			
	23	52		23	47			
31	02	52	4	02	47			
	05	52		05	47			
	08	54		08	51 T			
	11	54 T		11	51			
	14	53 T		14	51 T			
	17	50 T		17	54 T			
	20	51		20	54 T			
	23	52		23	53 T			

ACRES

Calculations

SUBJECT: SUSITNA FOOT DEW POINT TEMPERATURE DATA AT ANCHORAGE

JOB NUMBER [illegible]
FILE NUMBER
SHEET 5 OF
BY L. G. J. DATE [illegible]
APP DATE

August 1995 Storm

Day	Hour	Dew Pt. Temp. (°F)	Day	Hour	Dew Pt. Temp (°F)	Day	Hour	Dew Pt. Temp (°F)
21	02	51	25	02	44			
	05			05				
	08	46		08	42			
	11			11				
	14	49		14	45			
	17			17				
	20	47F 43		20	40			
	23			23				
22	02	50	26	02	35			
	05			05				
	08	45		08	35			
	11			11				
	14	40 T		14	40			
	17			17				
	20	43 T		20	36			
	23			23				
23	02	50	27	02	32			
	05			05				
	08	43		08	43			
	11			11				
	14	45		14	39			
Jumped to	17			17				
Prince pond	20	49		20	38			
	23			23				
24	02	49	28	02	39			
	05			05				
	08	43		08	39			
	11			11				
	14	48		14	42			
	17			17				
	20	48		20	40			
	23			23				

ACRES

Calculations

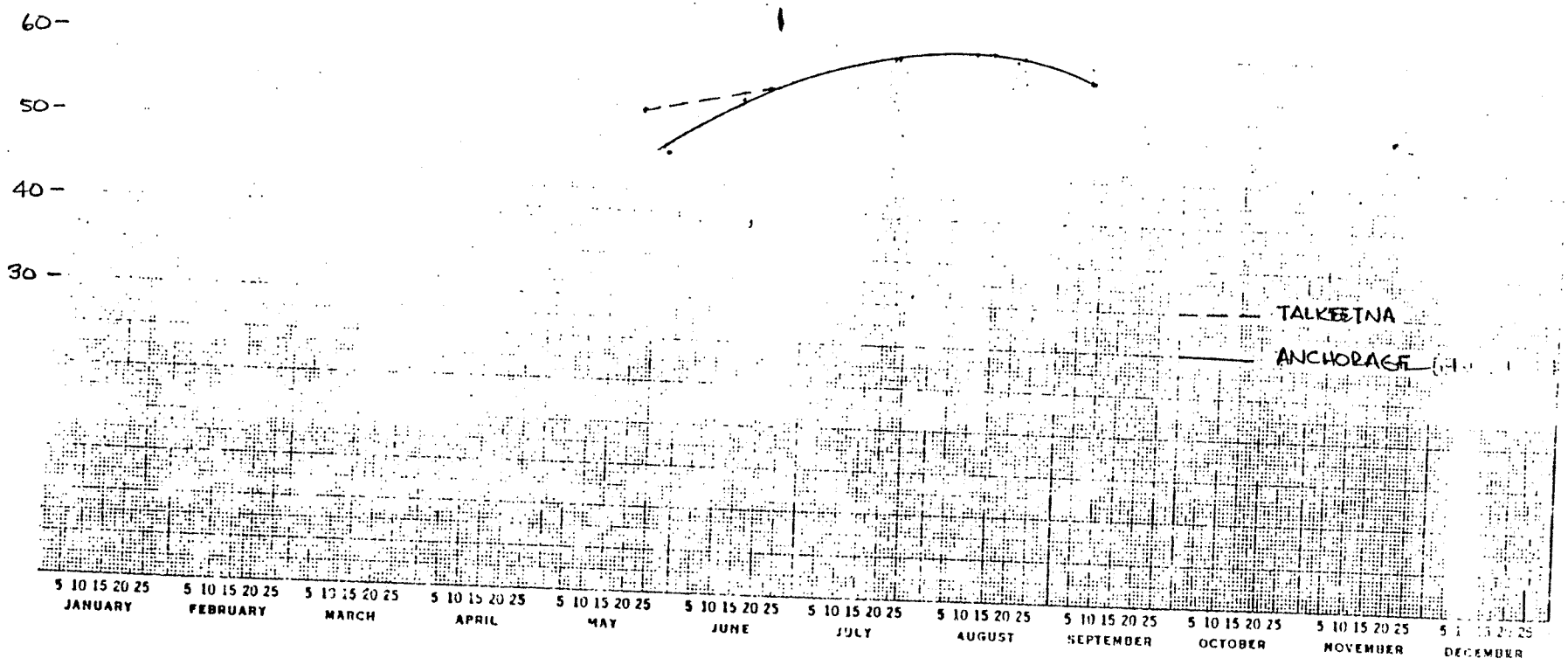
SUBJECT: [illegible]

JOB NUMBER [illegible]
FILE NUMBER
SHEET 2 OF
BY [illegible] DATE [illegible]
APP DATE

Request for Flow

Day	Hour	Dew Pt. Temp. (°F)	Day	Hour	Dew Pt. Temp. (°F)	Day	Hour	Dew Pt. Temp. (°F)
1	02		5	02		9	02	
	05			05			05	
	08	53		08	52		08	52
	11	54		11	54 50°F		11	53
	14	54		14	55		14	55
	17	53 T		17	54 T		17	56
	20	53 T		20	54 T		20	56
	23	53		23	53		23	55
2	02		6	02		10	02	
	05			05			05	
	08	51		08	50		08	55
	11	53		11	51		11	56
	14	53	heavier	14	52		14	56
	17	47	[illegible]	17	54		17	56
	20	50	[illegible]	20	53		20	57
	23	47	lage	23	53		23	56
3	02		7	02		11	02	
	05			05			05	
	08	46 T		08	53		08	55
	11	37		11	52		11	58
	14	45		14	54		14	55
	17	40		17	52 T		17	52
	20	54		20	54 T		20	57
	23	54		23	52		23	54
4	02		8	02		12	02	
	05			05			05	
	08	43		08	52		08	54
	11	49		11	53		11	56
	14	49 45°F		14	53		14	52
	17	45		17	54		17	52
	20	56		20	54		20	59
	23	54		23	54		23	58

SUSITNA HEP
50 YR MAX. 12hr. PERSISITING DEW POINT TEMPERATURES



ACRES

Calculations

SUBJECT:

JOB NUMBER _____
FILE NUMBER _____
SHEET _____ OF _____
BY _____ DATE _____
APP _____ DATE _____

TALKEETNA 50 yr. 12hr. MAX. PERSISTING DEW PT. TEMP

DATE	50 YR DEW PT (°F)
MAY 22	52.0
JUNE 21	55.0
JULY 21	59.0
AUGUST 10	60.0
SEPT. 8	57.0

GULKANA 50 yr 12hr. MAX PERSISTING DEW PT. TEMP

DATE	50 YR DEW PT (°F)
MAY 22	50.5
JUNE 26	54.0
JULY 27	57.0
AUGUST 9	58.0
Sept. 10	52.0

ACRES

Calculations

SUBJECT: SUSITNA HED
DMF - STUDIES

JOB NUMBER
FILE NUMBER
SHEET OF
BY RTS DATE 7/2/84
APP DATE

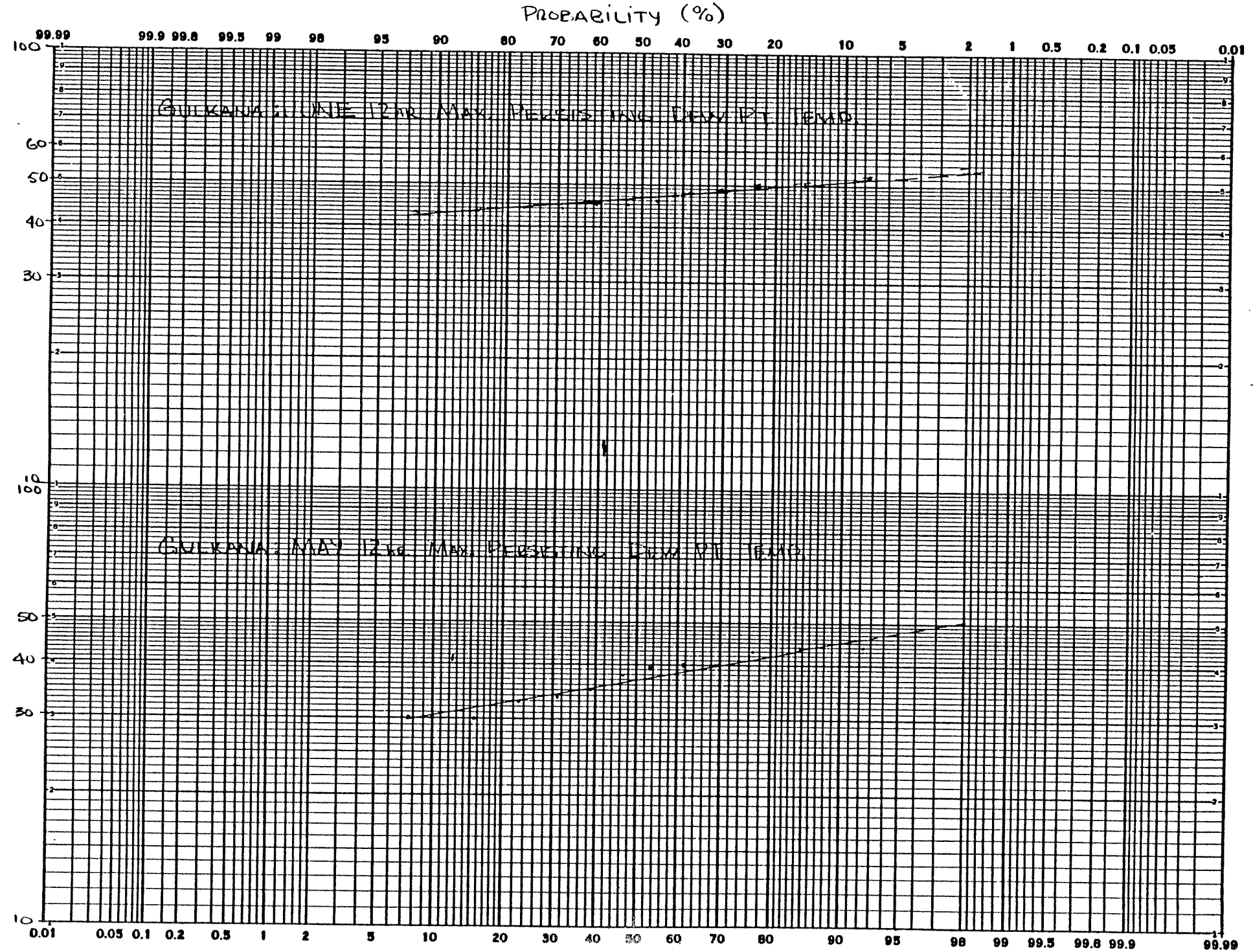
ANCHORAGE HOUR MAX 12 hr. PREDICTING DEW PT. TEMP

DATE	50 yr 12 hr Dew pt. (°F)
MAY 23	47
JUNE 21	55
JULY 22	59.0
AUGUST 14	60.0
SEPTEMBER 7	57.0

FORM NO. 152 REV. 1

G-24 LOGARITHMIC PROBABILITY

GRAPHIC CONTROLS CANADA LTD.
MADE IN CANADA



G-24 LOGARITHMIC PROBABILITY

GRAPHIC CONTROLS CANADA LTD.
MADE IN CANADA

PROBABILITY (%)

99.99 99.9 99.8 99.5 99 98 95 90 80 70 60 50 40 30 20 10 5 2 1 0.5 0.2 0.1 0.05 0.01

DEW PT. TEMP (°F)

100 60 50 40 30 10

SUKKANA: AUGUST 12 Kg. MAX PRESSURE VS. DEW POINT TEMP

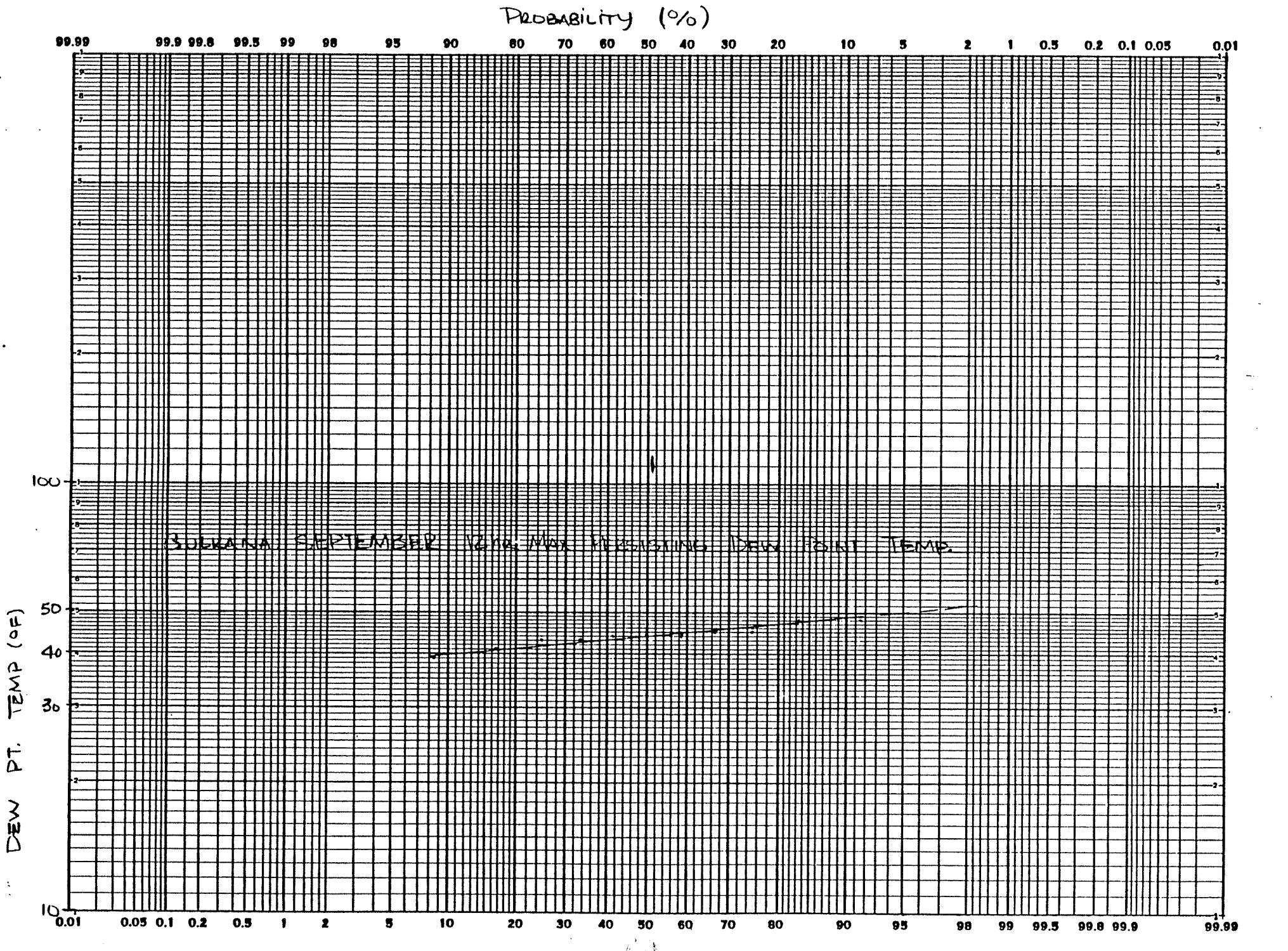
SUKKANA: JULY 12 Kg. MAX PRESSURE VS. DEW POINT TEMP

DEW PT. TEMP (°F)

180 60 50 40 30 10

0.01 05 0.1 0.2 0.5 1 2 5 10 20 30 40 60 70 80 90 95 98 99 99.5 99.8 99.9 99.99

GRAPHIC CONTROLS CANADA LTD.
MADE IN CANADA



		MAY		JUNE		JULY				AUGUST		SEPT.	
RANK	$\frac{M}{N+1}$ (%)	DEW PT. TEMP °F	DAY	DEW PT. TEMP °F	DAY	DEW PT. TEMP °F	DAY	RANK	$\frac{M}{N+1}$ (%)	DEW PT T.(°F)	DAY	DEW PT. T.(°F)	DAY
1	7.7	44	28	52	30	56	24	1	8.3	54	10	48	1
2	15.4	43	31	50	30	53	31	2	16.7	54	10	48	11
3	23.1	42	30	50	26	53	18	3	25.0	53	7	45	5
4	30.8	40	23	49	27-28	53	25	4	33.3	53	1	45	13
5	38.5	40	31	48	27	52	11	5	41.7	53	16	44	11
6	46.2	39	14	46	27-28	51	22	6	50.0	52	14	44	14-15
7	53.8	38	19	45	23	50	27	7	58.3	51	3	44	13
8	61.5	35	25	45	22	50	9	8	66.7	49	4	43	11
9	69.2	34	2	44	30	50	16	9	75.0	49	11	43	7
10	76.9	33	9-10	44	24	49	23	10	83.3	47	18	41	4
11	84.6	30	28	44	7	49	31	11	91.7	47	5-6	39	9
12	92.3	30	27-28	43	29	47	28				8.8		9.5
			21.8		25.6		26.5						

ACRES

Calculations

SUBJECT: Buckana

JOB NUMBER
FILE NUMBER
SHEET OF
BY DATE
APP DATE

ACRES

Calculations

SUBJECT: Susitna HEP

PMF - Studies

JOB NUMBER P-700.03
FILE NUMBER
SHEET OF
BY RJS DATE 7/22/82
APP DATE

Gaulkana - 12hr. Persisting Max. dew pt. Temp °F

Year	May	June	July	August	Sept.
1968	40°/23	48°/27	47°/28	47°/18	45°/15
1969	40°/31	52°/30	52°/11	51°/3	41°/4
1970	39°/14	45°/23	49°/23	47°/5-6	45°/13
1971	30°/28	46°/27-28	53°/31	54°/10	48°/1
1972	42°/30	44°/30	50°/27	53°/16	44°/11
1973	33°/9-10	44°/24	51°/22	NONE	NONE
1974	38°/19	49°/27-28	49°/31	49°/4	44°/14-15
1975	44°/28	50°/30	53°/18	50°/14	45°/11
1976	30°/27-28	45°/22	50°/9	49°/11	39°/9
1977	43°/31	50°/26	56°/24	54/10	42°/11
1978	35°/25	44°/7	50°/16	53°/17	43°/17
1979	34°/2	43°/29	53°/25	53°/1	44°/13

G-24 LOGARITHMIC PROBABILITY

GRAPHIC CONTROLS CANADA LTD.
MADE IN CANADA

PROBABILITY (%)

99.99 99.9 99.8 99.5 99 98 95 90 80 70 60 50 40 30 20 10 5 2 1 0.5 0.2 0.1 0.05 0.01

DEW PT. TEMP. (°F)

100 60 50 40 30 10

TALKEETNA: JUNE 12hr MAX. PERSISTING DEW POINT TEMP.

TALKEETNA: MAY 12hr MAX. PERSISTING DEW POINT TEMP.

100 50 40 30 10

0.01 0.05 0.1 0.2 0.5 1 2 5 10 20 30 40 50 60 70 80 90 95 98 99 99.5 99.8 99.9 99.99

G-24 LOGARITHMIC PROBABILITY

GRAPHIC CONTROLS CANADA LTD.
MADE IN CANADA

PROBABILITY (%)

99.99 99.9 99.8 99.5 99 98 95 90 80 70 60 50 40 30 20 10 5 2 1 0.5 0.2 0.1 0.05 0.01

DEW PT. TEMP (°F)

100 60 50 40 30 10

TALLAHASSEE AUGUST

100 60 50 40 30 10

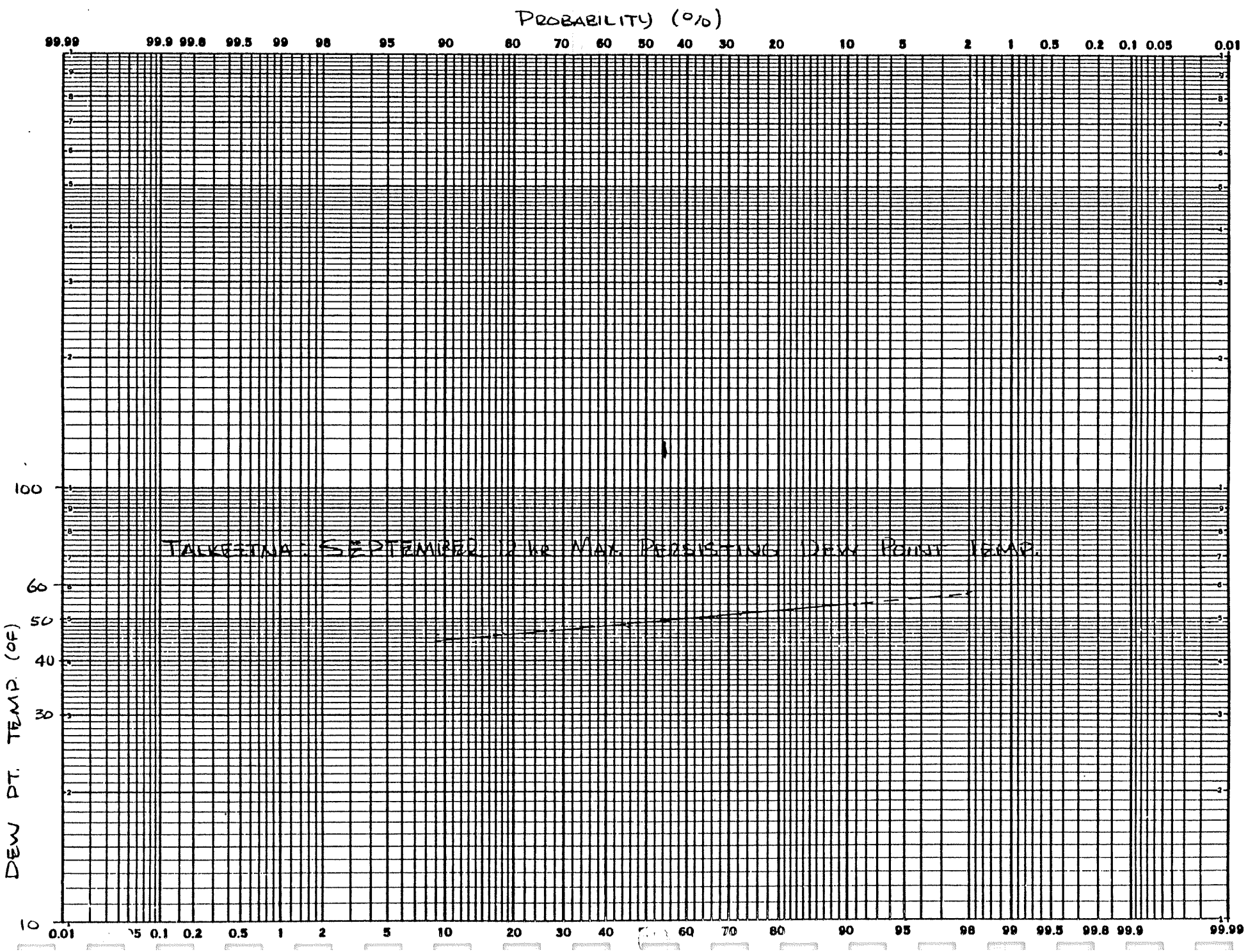
DEW PT. TEMP. (°F)

TALLAHASSEE JULY 1PM MAX PREVAILING DEW POINT TEMP

0.01 0.05 0.1 0.2 0.5 1 2 5 10 20 30 40 50 60 70 80 90 95 98 99 99.5 99.8 99.9 99.99

G-24 LOGARITHMIC PROBABILITY

GRAPHIC CONTROLS CANADA LTD.
MADE IN CANADA



ACRES

Calculations

SUBJECT: SUSITNA HEP

– PMF – STUDIES

JOB NUMBER D5700.03
FILE NUMBER
SHEET OF
BY RJS DATE 7/21/81
APP DATE

TALKEETNA – 12 hr. persisting Max dew pt. temp. (°F)

YEAR	MAY	JUNE	JULY	AUGUST	SEPT.
1968	45°/23	47°/10-11	54°/8	56°/8-9	50°/5
1969	47°/22	52°/30	56°/11	54°/4	47°/3
1970	41°/27	51°/27	54°/28	53°/5	49°/15
1971	39°/28	47°/21	55°/13	56°/10	51°/1
1972	46°/31	48°/30	53°/11	54°/14	54°/2
1973	39°/16	48°/18-19	52°/28	55°/20	48°/19
1974	37°/16	42°/19	52°/19	54°/16	54°/1
1975	41°/25	50°/28-29	52°/29	56°/14	46°/16
1976	37°/28	50°/16	57°/29	58°/4	46°/9
1977	41°/29	52°/14-15	57°/31	58°/4	48°/10

ACRES

Calculations

SUBJECT:

JOB NUMBER D5700.02
FILE NUMBER
SHEET OF
BY RJS DATE 22 July 91
APP DATE

TALKEETNA - 12hr persisting Max dew pt. temp (°F)

MAY

DAY	RANK	DEW PT. TEMP	$\left(\frac{M}{N+1}\right)$ x100 = %
22	1	47	9.1
31	2	46	18.2
23	3	45	27.3
27	4	41	36.4
25	5	41	45.5
29	6	41	54.5
28	7	39	63.6
16	8	39	72.7
16	9	37	81.8
28	10	37	90.9
22.0			

JUNE

DAY	RANK	DEW PT. TEMP	$\left(\frac{M}{N+1}\right)$ x100 = %
30	1	52	9.1
14-15	2	52	18.2
27	3	51	27.3
28-29	4	50	36.4
16	5	50	45.5
30	6	48	54.5
18-19	7	48	63.6
10-11	8	47	72.7
21	9	47	81.8
19	10	42	90.9
20.5			

JULY

29	1	57	9.1
31	2	57	18.2
11	3	56	27.3
13	4	55	36.4
8	5	54	45.5
28	6	54	54.5
11	7	53	63.6
19	8	52	72.7
29	9	52	81.8
28	10	52	90.9
20.7			

AUGUST

4	1	58	9.1
4	2	58	18.2
8-9	3	56	27.3
10	4	56	36.4
14	5	56	45.5
20	6	55	54.5
4	7	54	63.6
14	8	54	72.7
16	9	54	81.8
5	10	53	90.9
9.8			

ACRES

Calculations

SUBJECT: SUSITNA NED

JOB NUMBER
FILE NUMBER
SHEET OF
BY DTS DATE 7/22/91
APP DATE

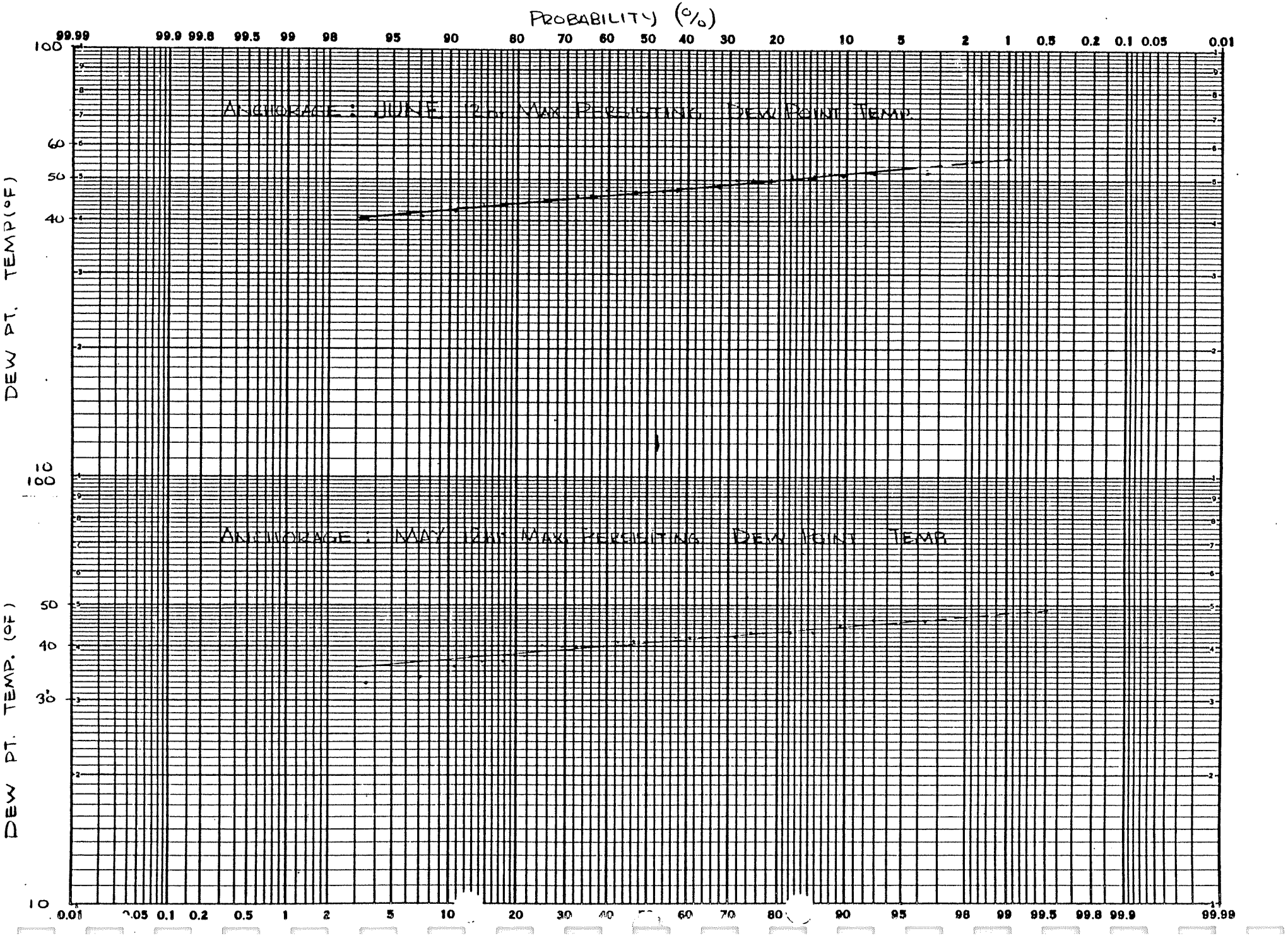
TALKEETNA - 12 hr persisting MAX. dew pt. temp. (°F)

SEPTEMBER

DAY	RANK	DEW PT. TEMP	M/N+1 (%)
2	1	54	9.1
1	2	54	18.2
1	3	51	27.3
5	4	50	36.4
15	5	49	45.5
19	6	48	54.5
10	7	48	63.6
3	8	47	72.7
16	9	46	81.8
9	10	46	90.9
8.1			

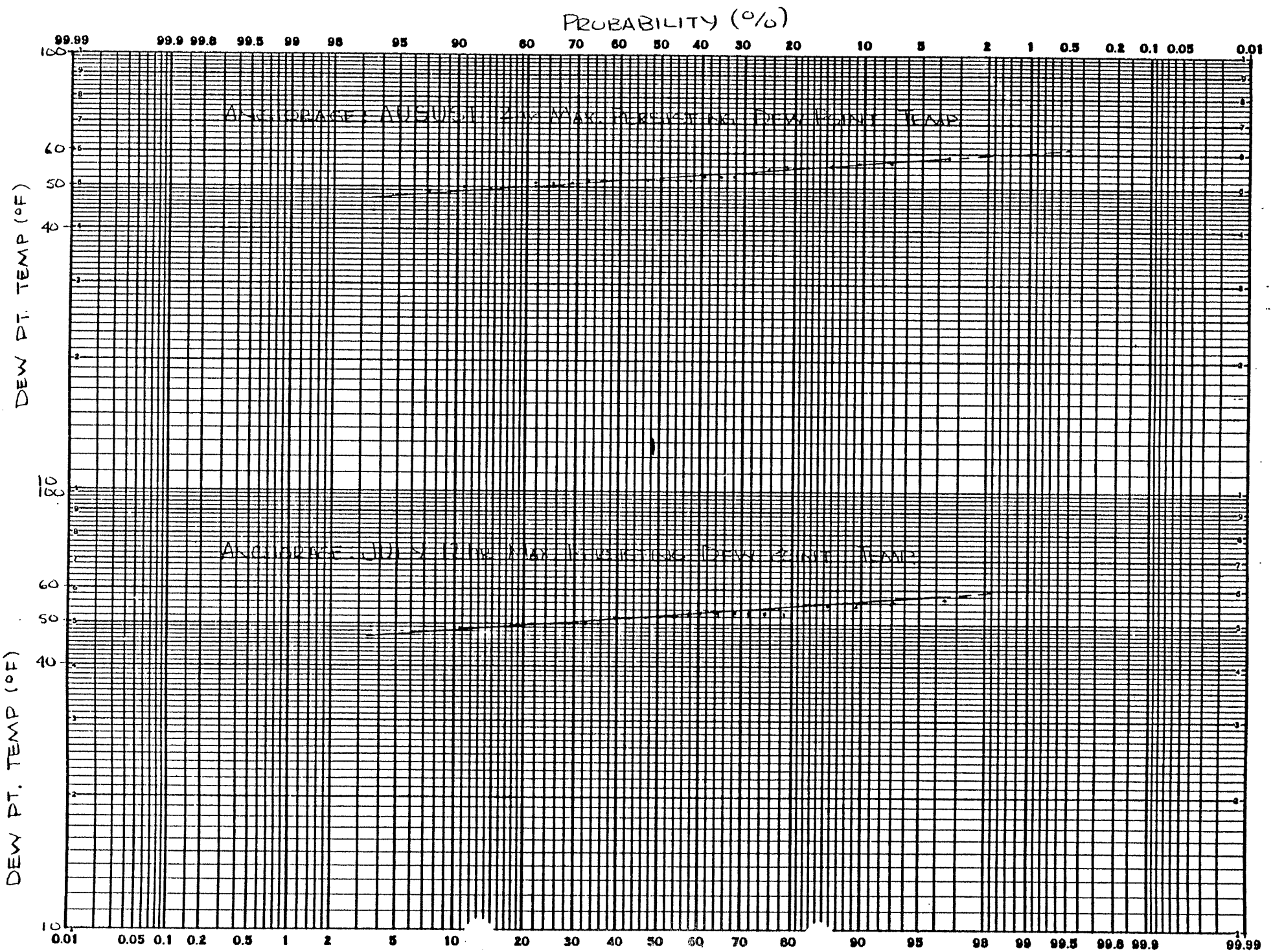
G-24 LOGARITHMIC PROBABILITY

GRAPHIC CONTROLS CANADA LTD.
MADE IN CANADA



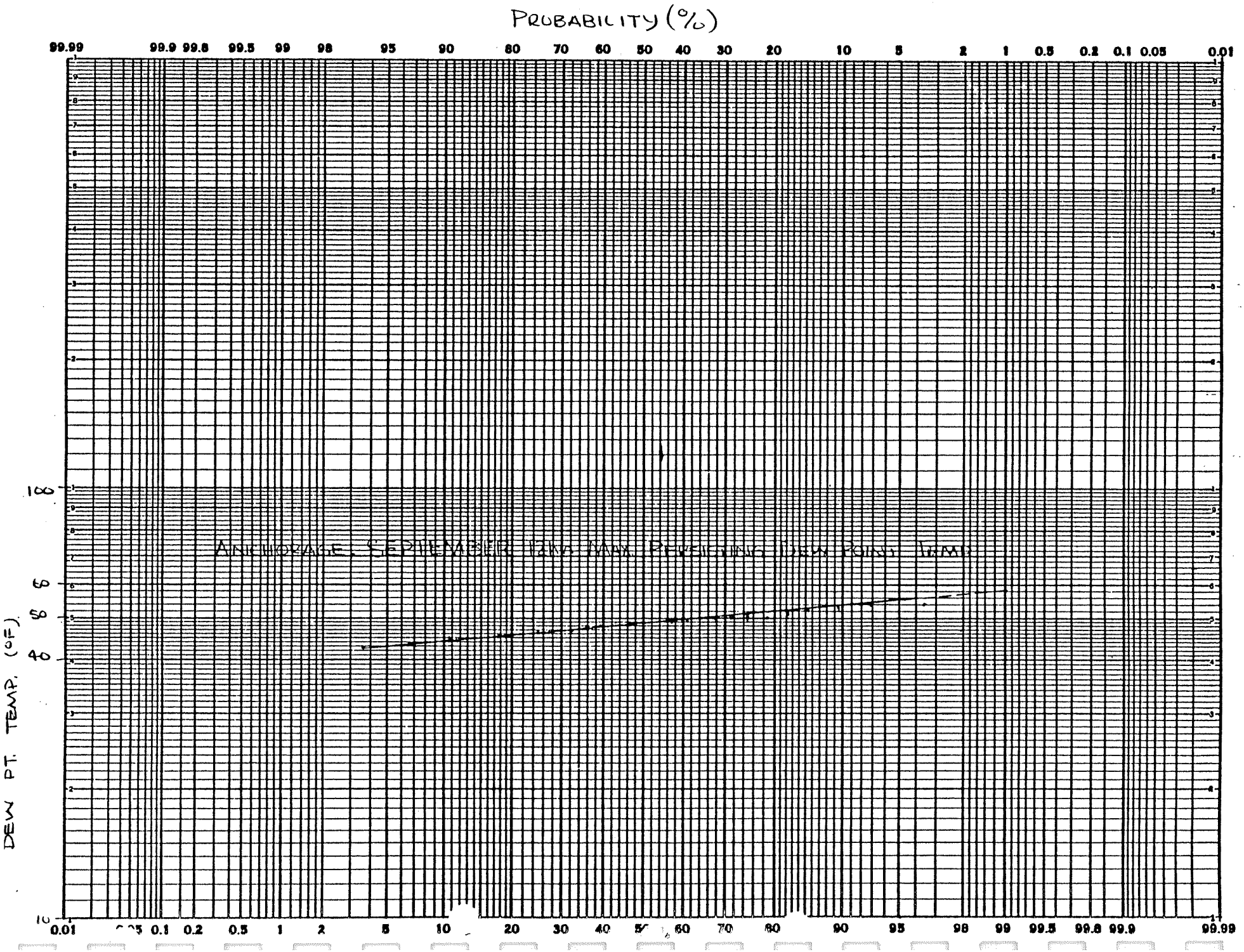
G-24 LOGARITHMIC PROBABILITY

GRAPHIC CONTROLS CANADA LTD.
MADE IN CANADA



G-24 LOGARITHMIC PROBABILITY

GRAPHIC CONTROLS CANADA LTD.
MADE IN CANADA



ACRES

Calculations

SUBJECT: SUSITNA HEP

PMF - STUDIES

JOB NUMBER P5220.03
FILE NUMBER
SHEET 1 OF 5
BY RJS DATE 7/2/82
APP DATE

ANCHORAGE - 12HR MAX. PERSISTING DEW POINT TEMP. (°F)

MONTH OF MAY

DATE	RANK	DEW PT. TEMP.	Probability $\frac{RANK}{N+1}$
22	1	46	.036
24	2	46	.071
30	3	45	.107
31	4	43	.143
14	5	43	.179
31	6	43	.214
31	7	43	.250
18 - 19	8	42	.286
26	9	42	.321
14	10	42	.357
25	11	42	.393
29	12	42	.429
22	13	42	.464
20	14	41	.500
29	15	41	.536
31	16	41	.571
15	17	40	.607
31	18	40	.643
30	19	40	.679
14	20	40	.710
10	21	40	.750
28	22	38	.786
30	23	37	.821
26	24	37	.857
24	25	36	.893
31	26	34	.929
27-29	27	33	.964

AVE = 27.9

FORM NO. 152 REV. 1

ACRES

Calculations

SUBJECT:

JOB NUMBER
FILE NUMBER
SHEET 2 OF 5
BY RSS DATE
APP DATE

ANCHORAGE 12hr Max. PERSISTING Dew pt. temp (°F)

JUNE

DATE	RANK	DEW PT. TEMP	$\frac{M}{N+1}$
23	1	52	.036
19	2	52	.071
19	3	51	.107
29	4	51	.143
29	5	51	.179
20	6	50	.214
12	7	50	.250
28	8	50	.286
27	9	48	.321
30	10	48	.357
26	11	48	.393
24	12	47	.429
28	13	47	.464
4	14	47	.500
27	15	47	.536
26	16	47	.571
25	17	47	.607
12	18	46	.643
23	19	46	.679
20	20	45	.710
23	21	45	.750
24	22	44	.786
13	23	44	.821
16	24	44	.857
9	25	42	.893
22	26	41	.929
21	27	40	.964

AVE = 21.4

FORM NO. 152 REV. 1

ACRES

Calculations

SUBJECT:

JOB NUMBER
FILE NUMBER
SHEET 3 OF 5
BY RJS DATE
APP DATE

ANCHORAGE: 12 hr Max. persisting Dew pt. Temp. (°F)

July

DATE	RANK	Dew pt. TEMP.	$\frac{M}{N+1}$
24	1	57	.036
27	2	56	.071
26	3	55	.107
19	4	55	.143
30	5	54	.179
18	6	53	.214
17	7	53	.250
25	8	53	.286
24	9	53	.321
19	10	53	.357
12	11	53	.393
29	12	53	.429
20	13	52	.464
19	14	52	.500
9	15	52	.536
27	16	52	.571
20	17	52	.607
31	18	51	.643
28	19	51	.679
17	20	51	.710
9	21	51	.750
30	22	51	.786
19	23	51	.821
27	24	51	.857
3	25	50	.893
23	26	50	.929
31	27	50	.964

AVE. = 21.6

FORM NO. 152 REV. 1

ACRES

Calculations

SUBJECT:

JOB NUMBER
FILE NUMBER
SHEET 4 OF 5
BY RJS DATE
APP DATE

ANCHORAGE: 12hr Max persisting Dew pt. temp (°F)

AUGUST

DATE	RANK	DEW PT. TEMP	$\frac{M}{N+1}$
13	1	59	.036
20	2	57	.071
1	3	57	.107
22	4	56	.143
1	5	56	.179
29	6	56	.214
5-6	7	55	.250
5	8	54	.286
15	9	53	.321
5	10	53	.357
13	11	53	.393
11	12	52	.429
3	13	52	.464
8	14	52	.500
25	15	52	.536
16	16	52	.571
8	17	52	.607
12	18	52	.643
4	19	52	.679
22	20	51	.710
15	21	51	.750
11	22	51	.786
30	23	50	.821
21-22	24	50	.857
20	25	50	.893
1	26	49	.929
31	27	44	.964

AVE = 14.0

FORM NO. 152 REV. 1

ACRES

Calculations

SUBJECT:

JOB NUMBER _____
FILE NUMBER _____
SHEET 5 OF 5
BY RJS DATE _____
APP _____ DATE _____

ANCHORAGE: 12hr MAX. PERSISTING DEW PT TEMP. (°F)

SEPTEMBER

DATE	RANK	DEW PT. TEMP.	$\frac{M}{N+1}$
13	1	54	.036
3	2	54	.071
2	3	53	.107
1	4	52	.143
11	5	51	.179
4	6	50	.214
17	7	50	.250
10-11	8	50	.286
1	9	50	.321
10	10	50	.357
2	11	49	.393
14	12	49	.429
8	13	49	.464
1	14	49	.500
19	15	49	.536
5	16	49	.571
9	17	48	.607
5	18	48	.643
3	19	47	.679
1	20	47	.714
22	21	47	.750
3	22	46	.786
4	23	46	.821
2	24	45	.857
8	25	45	.893
2	26	43	.929
3	27	43	.964

AVE = 6.9

FORM NO. 152 REV. 1

ACRES

Calculations

SUBJECT: SUSITNA PMF
TEMPORAL MAXIMIZATION

JOB NUMBER P57003
FILE NUMBER
SHEET 1 OF
BY [illegible] DATE 1/6 24
APP DATE

There are 2 approaches.

1) - Assume the storm used to model the PMF was a unique storm with a unique mechanism and as such the temporal pattern cannot be altered at all

Similarly a unique storm could be assumed but the temporal pattern could be shifted or altered within this particular storm

2) - The maximum daily rates of precip. could be used from each of the 6 historical storms and assumed to occur during the modeled PMP storm

-

Analyze the 2nd approach first.

Subbasin No.	Max. daily precip. (in.)	Storm	Max Factor	Maximized Max. daily precip. (in.)	% of 1967 Storm PMP	Max. Daily for 1967 Storm
1	2.39	Aug/55	1.86	4.45	37.7	29.0
2	1.90	Aug/67	2.00	3.80	28.0	28.0
3	1.56	Aug/71	1.77	2.76	21.0	22.0
4	1.15	Aug/59	1.80	2.07	23.0	21.0
5	0.97	Aug/67	2.00	1.94	22.0	22.0
6	2.13	Aug/67	2.00	4.26	29.0	29.0
7	1.84	Aug/71	1.77	3.26	22.0	22.0
8	2.34	Aug/67	2.0	4.68	25.0	25.0

— the sub...
— the ...
techniques ...
used ...

Calculations

ACRES

SUBJECT: SUSITNA PMF
TEMPORAL STORM PATTERN

JOB NUMBER RT-10077
FILE NUMBER
SHEET 2 OF
BY DGS DATE 10/1/79
APP DATE

Subbasin No.	2nd Largest Daily Precip. (in.)	Storm	Mod. Factor	Maximized Modified Precip.	% of 1967 Storm	2nd Largest Daily Precip. as % of 1967 Storm
1	2.09	Aug/55	1.86	3.89	33	18
2	1.48	Aug/71	1.77	2.62	19	16
3	1.55	Aug/71	1.77	2.74	21	15
4	1.08	Aug/59	1.80	1.94	21	17
5	0.92	Aug/53	1.8	1.66	18	15
6	1.53	Aug/71	1.77	2.71	18	16
7	1.84	Aug/71	1.77	3.26	22	15
8	2.12	Aug/71	1.77	3.75	20	13

2nd largest daily precip. from 2nd largest modified 1967 storm

Note: Use the second largest Jan-Feb storm with the largest Jan-Feb storm would create a storm which could be considered artificial w.r.t. the storm mechanism. If a storm is selected for the largest daily precip. in a subbasin the 2nd largest should be for that actual storm. Also use single Aug/67 storm rearranged for temporal pattern.

ACRES

Calculations

SUBJECT: SUSITNA PMF
TEMPORAL MAXIMIZATION

JOB NUMBER P520003
FILE NUMBER
SHEET 3 OF
BY O.G.J. DATE Jul 29/
APP DATE

6 Hour Pattern

There is only 24 hour data available for the majority of the stations for historical storms. Hourly data is available for all storms at Anchorage which perhaps is too far removed from the basin to be used. 6-hourly data is also available since 1968 at Talkeetna and Gulkana. It is made data for the Weather Wizards in the 1980 storm. An examination of the Talkeetna and Gulkana data for the Aug/71 storm and the detailed data for the 1980 storm should give a reasonable indication of the % of daily precip which could occur in any 6 hour period.

Talkeetna

Aug	24 hour precip	12 hour	6 hour
5	0.09	0.00	0.09
6	0.76	0.5	0.25
7	0.97	0.9	0.07
8	1.58	0.99	0.69
9	0.77	0.47	0.16
10	1.18	1.17	0.01

Note: 8/9 to 9AM is one reading so data is not continuous 6 Hourly data.

$\frac{\text{max 12 hour}}{\text{24 hour}} = \frac{1.17}{1.18} = 100\%$

$\frac{0.5}{0.75} = 66\%$

$\frac{\text{max. 6 hour}}{\text{24 hour}} = \frac{0.69}{1.58} = 44\%$

A reasonable approach for this data would be
6 hour value = 50% of 24 hourly
12 hour value = 70% of 24 hourly (no)
18 hour value = 80% of 24 hourly (no)
24 hour value = 100% of 24 hourly (ok)

Gulkana not enough precip to evaluate

ACRES

Calculations

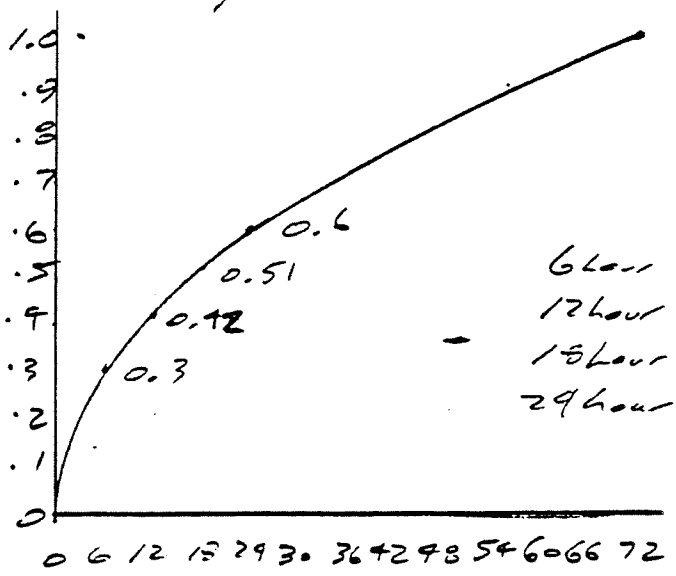
SUBJECT: SUSITNA PMP
TEMPORAL MAGNIFICATION

JOB NUMBER [illegible]
FILE NUMBER
SHEET 9 OF
BY D.C.V. DATE
APP DATE

For the Corps of Engineers Study

24 hr. PMP use 60% of 72 hour
6 hr. PMP use 30% of 72 hour

For intermediate durations use a smooth plot through the origin and the values specified



as % of 24 hour value

6 hour	0.3/0.6	= 0.5	= 50%
12 hour	0.42/0.6	= 0.70	= 70%
15 hour	0.51/0.6	= 0.85	= 85%
24 hour	0.6/0.6	= 1.0	= 100%

This is close to my preliminary guesstimate.

So perhaps the prudent thing to do is use the recommendations of the Corps of Engineers

ACRES

Calculations

SUBJECT: SUSITNA PMF
TEMPORAL ORDINATION

JOB NUMBER [illegible]
FILE NUMBER
SHEET 5 OF
BY D.G.J. DATE Jul 30 [illegible]
APP DATE

RECOMMENDATIONS

1) Model the PMP event after the Aug 167 storm

2) Assume the same temporal pattern rearranged as follows

Largest 24 hours next to 2nd largest 24 hours with the 3rd largest at either end with the 4th largest at either end etc.

This technique must be used in conjunction with the SSARR model to find the "worst case"

I expect a reasonable 1st attempt ranking would be

10, 9, 8, 7, 6, 4, 2, 1, 3, 5

note: the largest 24 hours is late in the storm to allow for snowpack priming and to ensure the reservoir is approaching its annual level before the flood peak arrives

note: This ranking should be done for each subbasin. The largest - 2nd largest days occurs simultaneously in all 8 subbasins so this adjustment should not decrease the spread of precipitation over the whole basin.

other trials could be 10, 9, 8, 7, 5, 4, 2, 1, 3, 6
10, 9, 3, 7, 6, 4, 3, 1, 2, 5
10, 9, 8, 7, 6, 4, 3, 2, 1, 5

note: it will not be possible to check all combinations but you will use guidelines to arrive at an appropriate pattern.

ACRES

Calculations

SUBJECT: SUSITNA AMF
TEMPERATURE ADJUSTMENT

JOB NUMBER 157022
FILE NUMBER
SHEET 6 OF
BY [illegible] DATE
APP DATE

3) The 6-hour precip should be as follows within each 24-hour period.

largest 6 hour: % of 24 hour precip. ≤ 50%

2nd largest 6 hour: % of 24 hour precip. ≤ 20%

3rd largest 6 hours: % of 24 hour precip. ≤ 15%

4th largest 6 hrs: % of 24 hour precip. ≤ 15%

note: For small precip. days (i.e. 4 or 5 inches in 10 ranking) the 6 hour dist. should make little difference. For the largest 2 or 3 days the ranking of 6 hour values will probably be.

day ranking	2	1	3
6 hour ranking	4 3 2 1	1 2 3 4	1 2 3 4

or some variation on this basic theme

note: the 2 largest 6 hour events occur back to back.

note: Average is not accurate
Talbert is less than normal but it's [illegible]

Storm	Storm Dew Pt. @ 1000mb (°F)	Precip. Water From 1000mb (Surface) to 10,000m (mm)	Max. Dew Pt. (°F)	Precip. Water From 1000mb (Surface) to 19000m (mm)	Maximization Factor
August (7)/71	48° } 49°	19.9	60°	35.2	1.77
August (12)/67	46°	17.6	60°	35.2	2.00
August (27)/59	48°	18.9	59.5°	39.1	1.80
July-Aug (1)/58	50°	21.0	60°	35.2	1.66
August (29)/55	47°	18.3	59.5°	39.1	1.86

note: For examination of discharge [illegible] upper Dirt 12e Aug/67 storm when maximized for moisture will give the largest flood

AGRA

Calculations

SUBJECT: Storm moisture maximization

JOB NUMBER [illegible]

FILE NUMBER

SHEET 1 OF

BY [illegible] DATE [illegible]

APP DATE

ACRES

Calculations

SUBJECT: SUSTAIN Proj
STORM MOISTURE Maximization

JOB NUMBER
FILE NUMBER
SHEET 2 OF
BY DATE
APP DATE

STORM TIME TRANSPOSITION

Assume actual storm precipitation events and dewpoint temperatures could be exactly duplicated for a storm on June 15. The max. (50 yr.) dew pt. temp. for June 15 should therefore be used in maximizing the Aug./67 (transposed to June 15) storm.

June 15 max (50 yr.) dew point temperature = 53°F at Anchorage

precipitable water for 0 to 10,000' = 25 in.

max. factor = 25/17.6 = 1.42

$$\frac{1.42}{2.00} = 0.71$$

note: curiously close to 0.7 recommended by WMO to the corps of engineers

ACRES

Calculations

SUBJECT: SUSITNA PMF STORM MOISTURE MAXIMIZATION

JOB NUMBER 157.003
FILE NUMBER
SHEET 2 OF
BY D.G.J. DATE 1/23/
APP DATE

Storm	Max. Factor	Subbasin 1		Subbasin 2		Subbasin 3		Subbasin 4		Subbasin 5		Subbasin 6		Subbasin 7		Subbasin 8		Basin	
		Actual	max.	Actual	max.	Actual	Max.	Actual	Max.	Actual	Max.	Actual	Max.	Actual	Max.	Actual	Max.	Actual	Ma.
Aug/71	1.77	5.30	9.33	5.97	10.57	5.49	9.72	4.06	7.19	3.42	6.05	5.39	9.54	6.33	11.20	7.33	12.97	5.11	9.0
Aug/67	2.00	5.90	11.80	6.74	[redacted]	6.98	[redacted]	4.56	[redacted]	4.49	[redacted]	7.92	[redacted]	7.52	[redacted]	9.26	[redacted]	6.27	[redacted]
Aug/59	1.80	4.77	8.59	4.40	7.92	3.83	6.89	2.89	5.20	2.60	4.68	3.80	6.84	4.47	8.05	5.57	10.03	3.79	6.8
July-Aug/53	1.66	3.55	5.89	2.42	4.02	2.00	3.32	1.50	2.49	1.81	3.00	4.71	7.82	2.53	4.20	6.64	11.02	2.99	4.9
Aug/55	1.86	10.0	[redacted]	6.67	12.41	4.31	8.02	4.12	7.66	2.37	4.41	2.17	9.04	2.49	4.63	2.64	4.91	3.78	7.0

The maximum maximized precipitation occurred for the Aug/67 storm
note: the maximum value for Subbasin 1 occurred for the Aug/55 storm since this subbasin is below the dam sites the Aug/67 storm is maximum for all important subbasins

The Aug/67 storm will likely have a maximum or near maximum moisture adjustment with near maximum moisture resupply or storm efficiency

note: the maximum 24 hour precip. expected for any subbasin for either the 1971 or 1967 storm is ~30%. Values as high as 40% could occur for smaller storms but 30% is the max. possible for very large storms
30% in 24 hours is 3.76 inches/24 hours

15-12-515

60.04.01 Form 148A

15. Exhibit F and Supporting Design Report

Comment 13

Borings are necessary along the Watana Dam centerline and under the dam base upstream and downstream of the centerline to properly assess the suitability of the Watana site for the proposed dam. The seismic profiles developed at the Watana site are inadequate to determine foundation conditions and top of rock elevations without borings. The need for these borings was pointed out by Staff Geologist Harry Thomas in a preliminary review of the license application in the spring of 1982. The deficiency was again pointed out in Staff comments on the pre-filing review of the draft application in the January 11, 1983 letter on p. 65. The lack of borings at the Watana site cast serious doubts on the adequacy of the cost estimate (Exhibit F).

Response

It is agreed that borings were needed in addition to seismic profiles to adequately determine foundation conditions for the Watana dam site. The 1983 winter underground explorations program, which gave top priority to the dam foundation, now provides sufficient information to properly assess the site and remove any doubts regarding the adequacy of the preliminary design cost estimates.

A report, summarizing the results of the 1983 winter program, is now being prepared. The report will be submitted for review in the near future. A borehole summary resulting from this program is attached. A river channel exploration map is contained in Supplemental Attachment 15-13. To provide information for final design, additional explorations are programmed for the dam foundation areas and for potential construction material sources.

WATANA DAM

River Channel
EMBANKMENT FOUNDATION

SUMMARY OF 1983 WINTER DRILLING PROGRAM

BOREHOLE NUMBER	SURFACE ELEVATION ICE	SURFACE ELEVATION OVERBURDEN	DIP	AZIMUTH	DEPTH TO BEDROCK FEET	BEDROCK ELEVATION	TOTAL DEPTH FEET
DH83-1	1,464.4	1,386.4	90°	----	78.0	1,386.4	91.0
DH83-2	1,470.6	1,466.1	90°	----	46.0	1,424.6	64.0
DH83-3	1,460.4	1,450.6	90°	----	92.9	1,367.5	126.5
DH83-4	1,475.2	1,473.8	45°	350°	22.0	1,459.6	116.5
HD83-10	1,459.4	1,455.9	90°	----	96.0	1,363.4	119.5
HD83-11	1,459.1	1,451.1	90°	----	73.2	1,385.9	89.4
HD83-12	1,459.0	1,451.5	90°	----	77.0	1,382.0	87.5
HD83-13	1,458.5	1,449.5	90°	----	84.0	1,374.5	89.5
HD83-14	1,464.8	1,459.8	90°	----	34.0	1,430.8	57.5
HD83-15	1,465.1	1,460.1	90°	----	29.5	1,435.6	46.0
HD83-16	1,465.5	1,457.5	90°	----	19.0	1,446.5	39.5
HD83-17	1,464.4	1,449.4	90°	----	63.0	1,401.4	77.5
HD83-18	1,465.7	1,461.2	90°	----	30.0	1,435.7	39.0
HD83-19	1,463.5	1,453.0	90°	----	80.0	1,383.5	98.0
HD83-20	1,464.9	1,455.4	90°	----	----	-------	76.5
HD83-21	1,467.7	1,467.7	90°	----	66.0	1,401.7	86.5
HD83-22	1,467.6	1,464.6	90°	----	87.0	1,380.3	107.3
HD83-23	1,468.0	1,468.0	90°	----	71.0	1,397.0	87.0
HD83-24	1,453.8	1,448.3	90°	----	44.0	1,409.8	57.0
HD83-25	1,454.4	1,446.4	90°	----	75.0	1,379.4	95.9
HD83-26	1,453.8	1,445.8	90°	----	81.0	1,372.8	96.0
HD83-27	1,453.7	1,445.8	90°	----	70.0	1,383.7	98.5
HD83-28	1,453.6	1,443.6	90°	----	72.0	1,381.6	88.5
HD83-29	1,453.8	1,444.8	90°	----	79.0	1,374.8	104.3
HD83-30	1,453.8	1,444.8	90°	----	65.0	1,388.8	75.6
HD83-31	1,456.2	1,455.2	90°	----	60.0	1,396.2	82.9
HD83-32	1,454.0	1,447.5	90°	----	29.0	1,425.0	57.8
HD83-33	1,453.2	1,445.7	90°	----	21.0	1,432.2	43.0
HD83-34	1,454.9	1,449.9	90°	----	12.0	1,442.9	32.4

15 - 13 - 2

WATANA DAM
RIVER CHANNEL
EMBANKMENT FOUNDATION

SUMMARY OF 1983 WINTER DRILLING PROGRAM

BOREHOLE NUMBER	SURFACE ELEVATION ICE	OVERBURDEN	DIP	AZIMUTH	DEPTH TO BEDROCK FEET	BEDROCK ELEVATION	TOTAL DEPTH FEET
HD83-35	1,458.4	1,455.9	90°	---	51.5	1,406.9	71.5
HD83-36	1,456.8	1,453.8	90°	---	24.0	1,432.8	43.6
HD83-37	1,464.3	1,463.3	90°	---	153.5	1,310.8	155.0
HD83-38	1,463.6	1,461.1	90°	---	-----	---	94.5
HD83-39	1,467.2	1,462.2	90°	---	152.0	1,315.2	168.0
HD83-40	1,470.6	1,468.6	90°	---	-----	---	38.0
HD83-41	1,471.9	1,470.5	45°	098°	83.0	1,413.2	104.5
HD83-42	1,462.1	1,451.1	90°	---	70.0	1,392.1	127.8
HD83-43	1,461.1	1,451.1	90°	---	75.4	1,385.7	107.7
HD83-44	1,459.9	1,449.9	90°	---	67.5	1,392.4	118.0
HD83-45	1,463.5	1,462.8	45°	328°	56.0	1,423.9	80.0
HD83-46	1,461.5	1,460.1	45°	155°	55.5	1,422.3	98.2
HD83-47	1,459.6	1,458.2	45°	010°	-----	---	65.0
HD83-48	1,455.6	1,447.6	90°	---	88.0	1,367.6	108.0

15-13-3

WATANA DAM
BORROW AREA "D"
AND
WATANA RELICT CHANNELS
SUMMARY OF 1983 WINTER DRILLING PROGRAM

BOREHOLE NUMBER	SURFACE ELEVATION	DEPTH TO BEDROCK FEET	BEDROCK ELEVATION	TOTAL DEPTH FEET
HD83-1	2,246.2	----	----	328.0
HD83-2	2,147.1	77.5	2,069.6	87.0
HD83-3	2,220.0	----	----	82.5
HD83-4	2,246.7	----	----	94.0
HD83-5	2,283.7	----	----	138.0
HD83-6	2,211.2	----	----	126.5
HD83-7	2,095.5	----	----	82.0
HD83-8	2,217.2	----	----	78.0
HD83-9	2,237.6	----	----	110.0
HD83-49	2,205.5	----	----	38.0
HD83-50	2,289.0	----	----	119.5
HD83-51	2,234.9	----	----	98.5
HD83-52	2,249.1	320.0	1,929.1	333.0
HD83-53	2,248.0	----	----	212.0
WW-3	2,267.0[1]	206.5	----	214.5

15. Exhibit F and Supporting Design Report

Comment 14

Clarify the discrepancy concerning the upstream shell material to be used for the Watana Dam. Page F-4-9 indicates that fines less than 1/2 inch will be removed, but on p. F-4-10, it is stated that the processed upstream shell material will have no more than 10% of the material less than 3/8 inch in size (Exhibit F, SDR).

Response

This material will be processed gravel with no more than 10% of the material less than 3/8 inch.

15. Exhibit F and Supporting Design Report

Comment 15

Provide additional information on the proposed impervious borrow area to enable a determination on the availability of sufficient quantities of impervious materials consistent with the design intent of the impervious zones of the proposed Watana Dam and Devil Canyon saddle dam embankments. This information shall include the types, range of gradations, plasticity index, and other physical characteristics of the materials to be placed in the core of the embankment. The highly plastic clays that exist in the proposed borrow pit shall be discussed with respect to their effect on the expected excavation methods needed to control the blending of various gradations of materials that will be encountered and any effects this might have on developing the quantities of impervious material required for the proposed embankments (Exhibit F, SDR).

Response

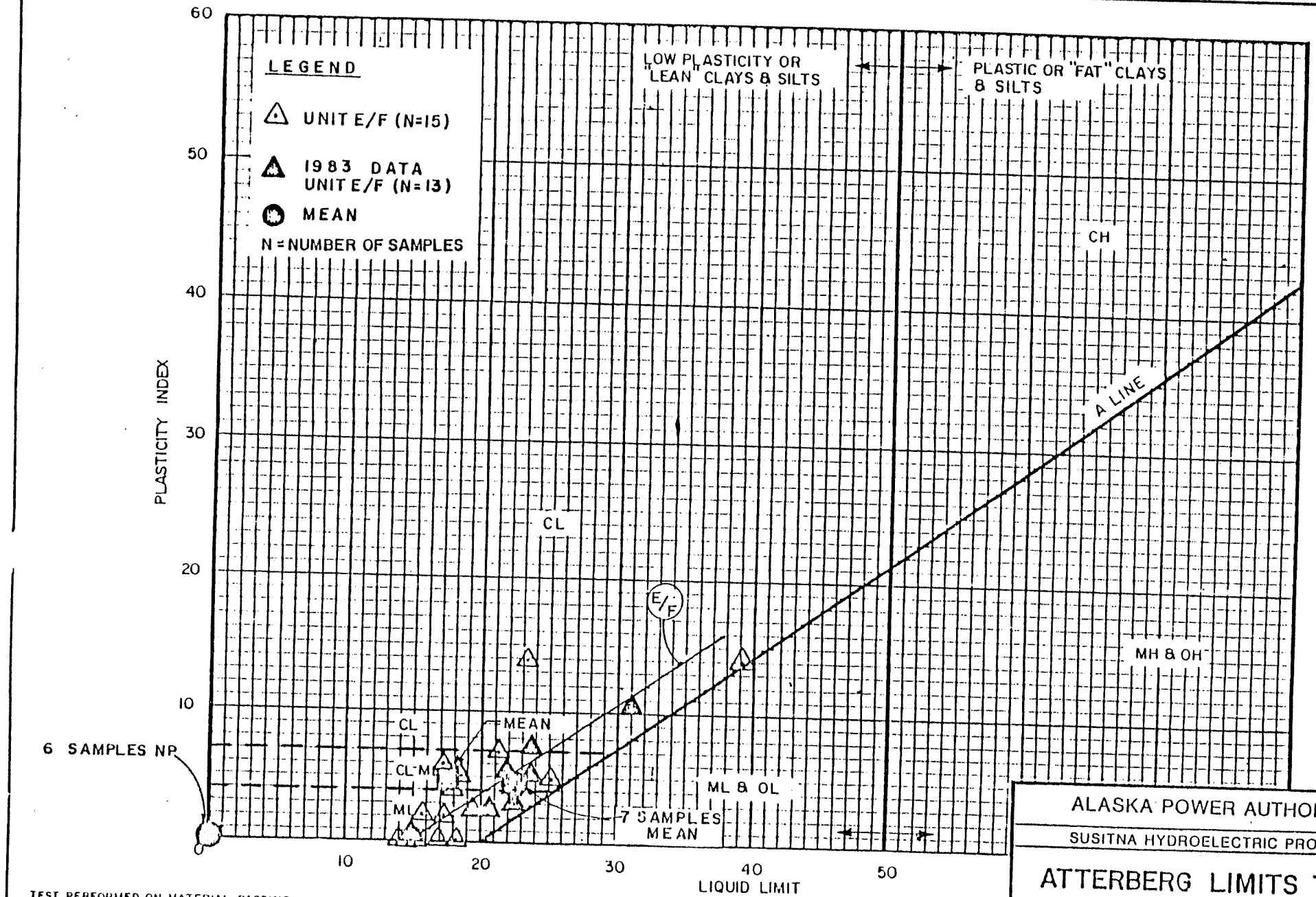
Because the Susitna reservoirs will be used for long term storage, the design intent is to construct the dam embankment impervious core zones using relatively low permeability materials. In addition to meeting the permeability criteria, the impervious soils must also be satisfactory from an overall design standpoint including strength and settlement.

To satisfy the design intent, emphasis will be given to selecting impervious materials having a wide range of grain sizes, such as a gravelly clay (GC). These well graded soils are preferable to materials having relatively uniform particle sizes as they are stronger, less susceptible to piping, erosion and liquefaction, and are less compressible.

Appraisals of the winter 1983 exploration program along with previous boring data indicates well graded impervious soils are attainable from borrow area "D" by mixing of the layered deposits in prudent proportions. It is expected that the desired GC materials will be accomplished by blending gravelly soils with smaller amounts of plastic fines. The blending operation will utilize vertical cuts from portions of the borrow that have been pre-drained by excavating the operating base of the pit on an incline. This job tested method will produce a satisfactory blend of materials without special processing procedures.

The impervious embankments require volumes of 9 million cubic yards for the Watana main dam and 400,000 cubic yards for the Devil Canyon saddle dam. Although most of the overburden in borrow area "D" is suitable for blending satisfactory core materials, it is presently planned to mix gravelly soils from surficial units E and F with clays from the underlying G unit. This combination will more than supply sufficient embankment quantities as borrow area "D" units E and F are estimated to contain 130 million cubic yards while unit G contains 50 million cubic yards.

As shown by the attached gradation curves, the soils in borrow area "D" range from coarse gravels to silt and clay. The attached plasticity plots indicate the finer fractions range from non cohesive to cohesive. The majority of the samples are either nonplastic or low to medium placticity. Only in a very few instances are there indications of high plasticity materials. Highly plastic clays are not in existence in sufficient quantities to significantly affect either the excavation or blending methods used to produce the required impervious embankment quantities.



TEST PERFORMED ON MATERIAL PASSING NO. 40 SIEVE IN ACCORDANCE WITH ASTM D423-66 (1972) AND D424-59 (1971)

(INCLUDES ALL TESTS 1978-1982)

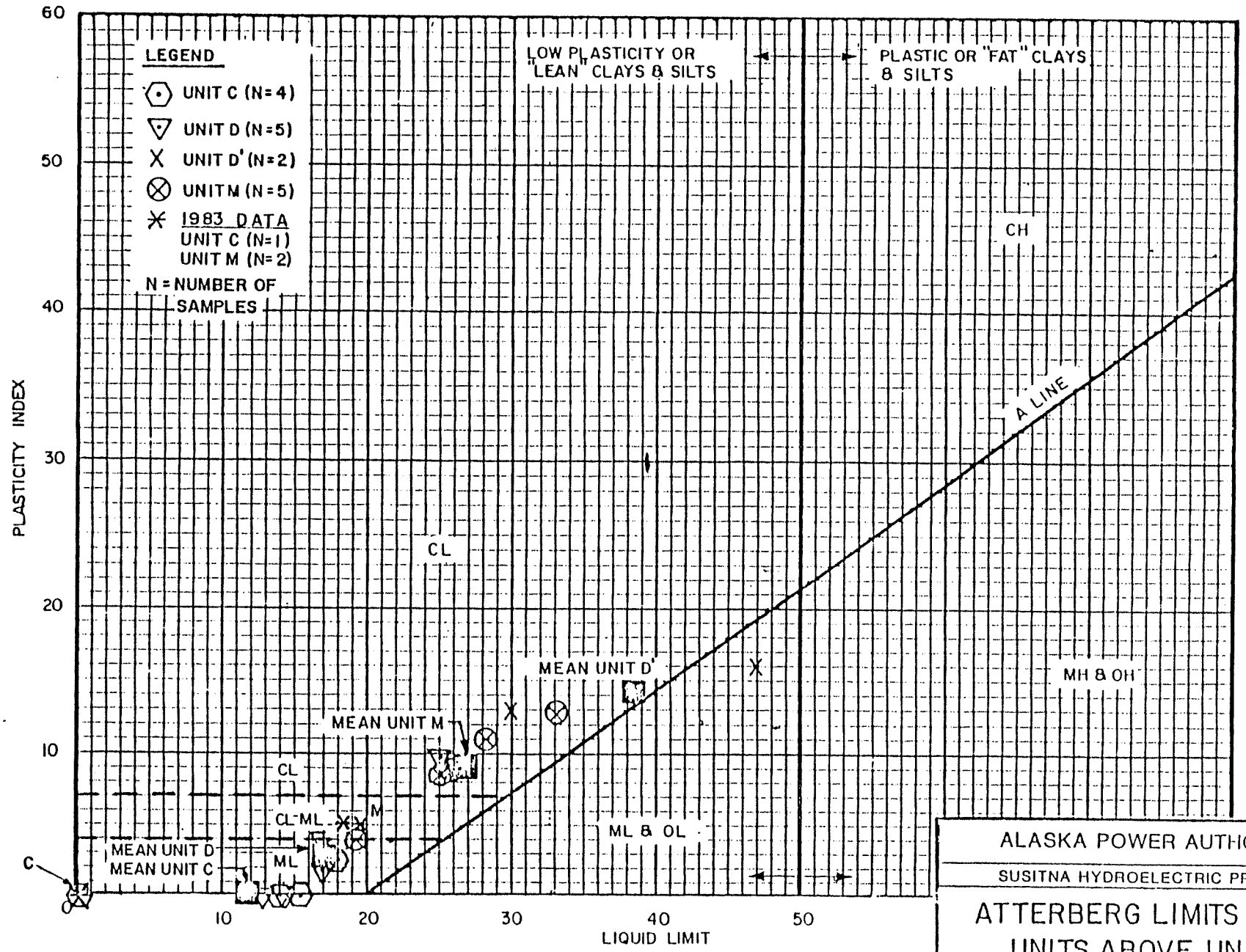
ALASKA POWER AUTHORITY

SUSITNA HYDROELECTRIC PROJECT

ATTERBERG LIMITS TEST
UNITS E/F
BORROW AREA "D" & RELICT CHANN

	DATE	FIGURE
HARZA-EBASCO		

15-15-3



TEST PERFORMED ON MATERIAL PASSING NO. 40 SIEVE IN ACCORDANCE WITH ASTM D423-66 (1972) AND D424-59 (1971)

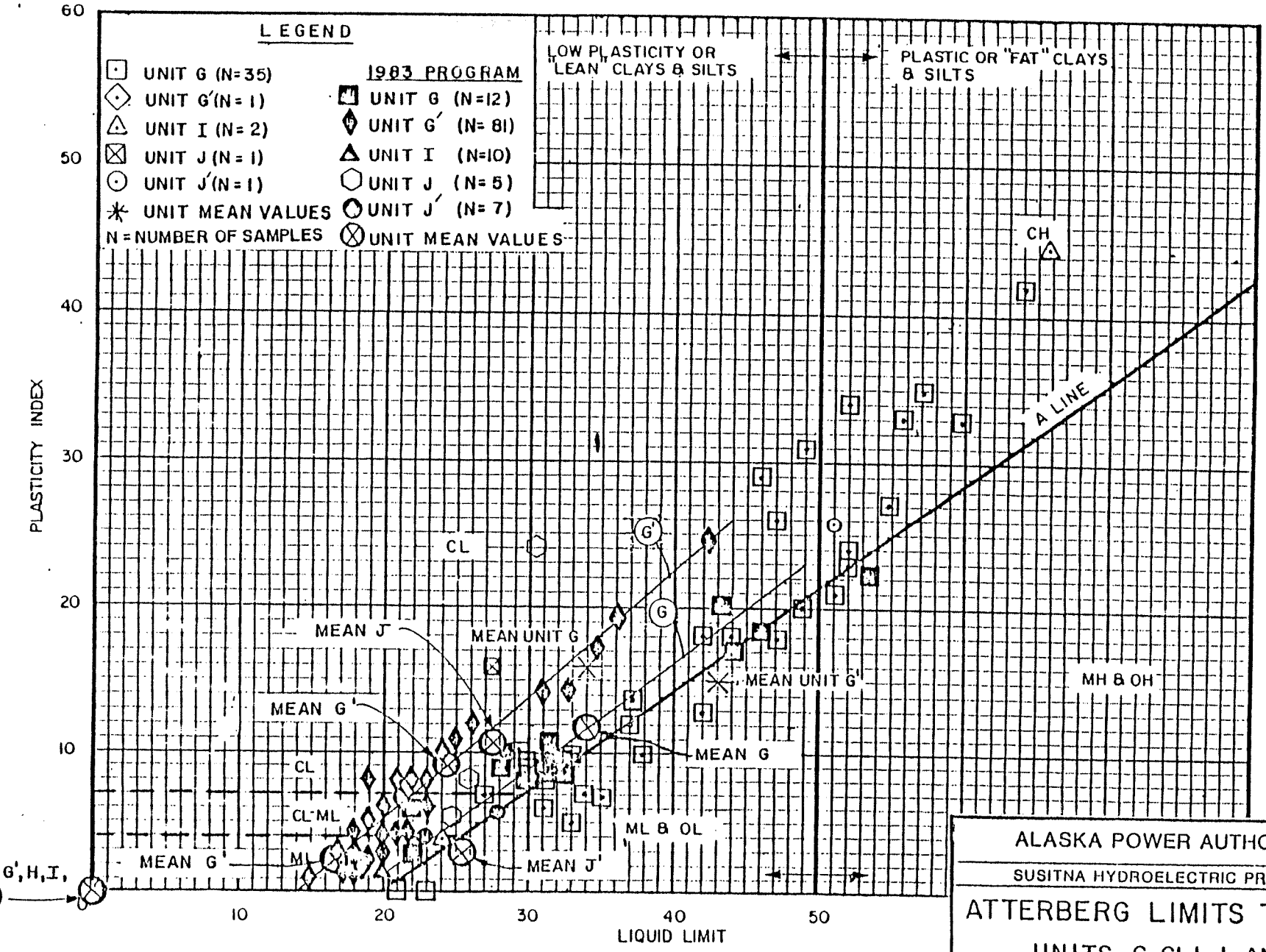
INCLUDES ALL ...TS 1978-1982)

ALASKA POWER AUTHORITY

SUSITNA HYDROELECTRIC PROJECT

ATTERBERG LIMITS TEST
UNITS ABOVE UNIT E
BORROW AREA "D" & RELICT CHANNEL

HARZA-EBASCO | DATE | FIGURE



TEST PERFORMED ON MATERIAL PASSING NO. 40 SIEVE IN ACCORDANCE WITH ASTM D423-66 (1972) AND D424-59 (1971)

(INCLUDES ALL TESTS 1979-1982)

ALASKA POWER AUTHORITY

SUSITNA HYDROELECTRIC PROJECT

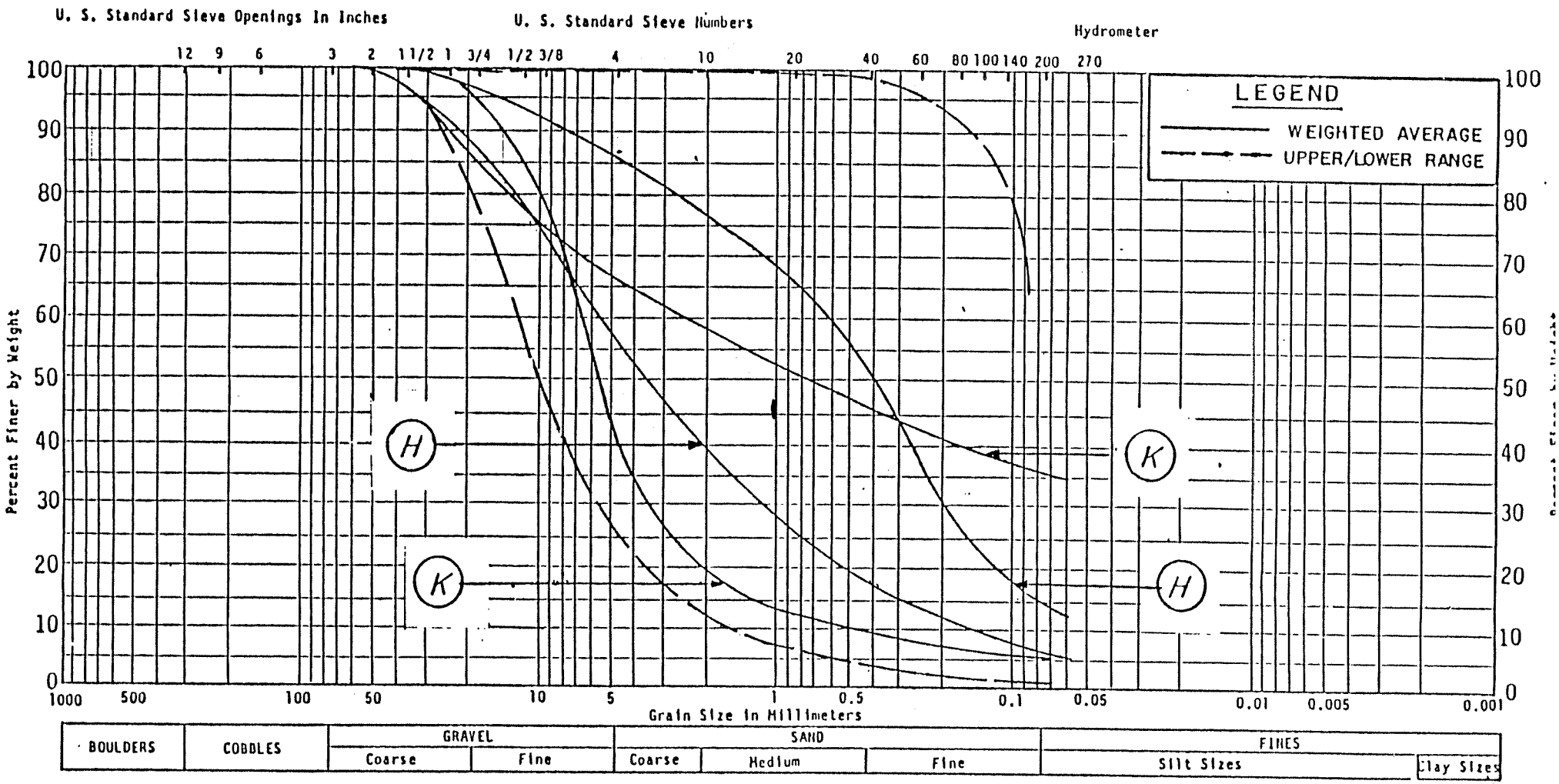
ATTERBERG LIMITS TEST

UNITS G, G', I, J, AND J' BORROW AREA "D" & RELICT CHANN

HARZA-EBASCO | DATE | FIGURE

15-15-5

GRADATION SIZE ANALYSIS



UNIT	MATERIAL	NO. OF SAMPLES	FEET OF SAMPLE	% MAT'L IN SECTION
H	SANDY GRAVEL, (GW/GM)	6	10	32
H	SILTY SAND, (SM)	10	21	68
K	SANDY GRAVEL, (GP/GM)	7	7	70
K	SILTY SANDY, (GM)	2	3	30

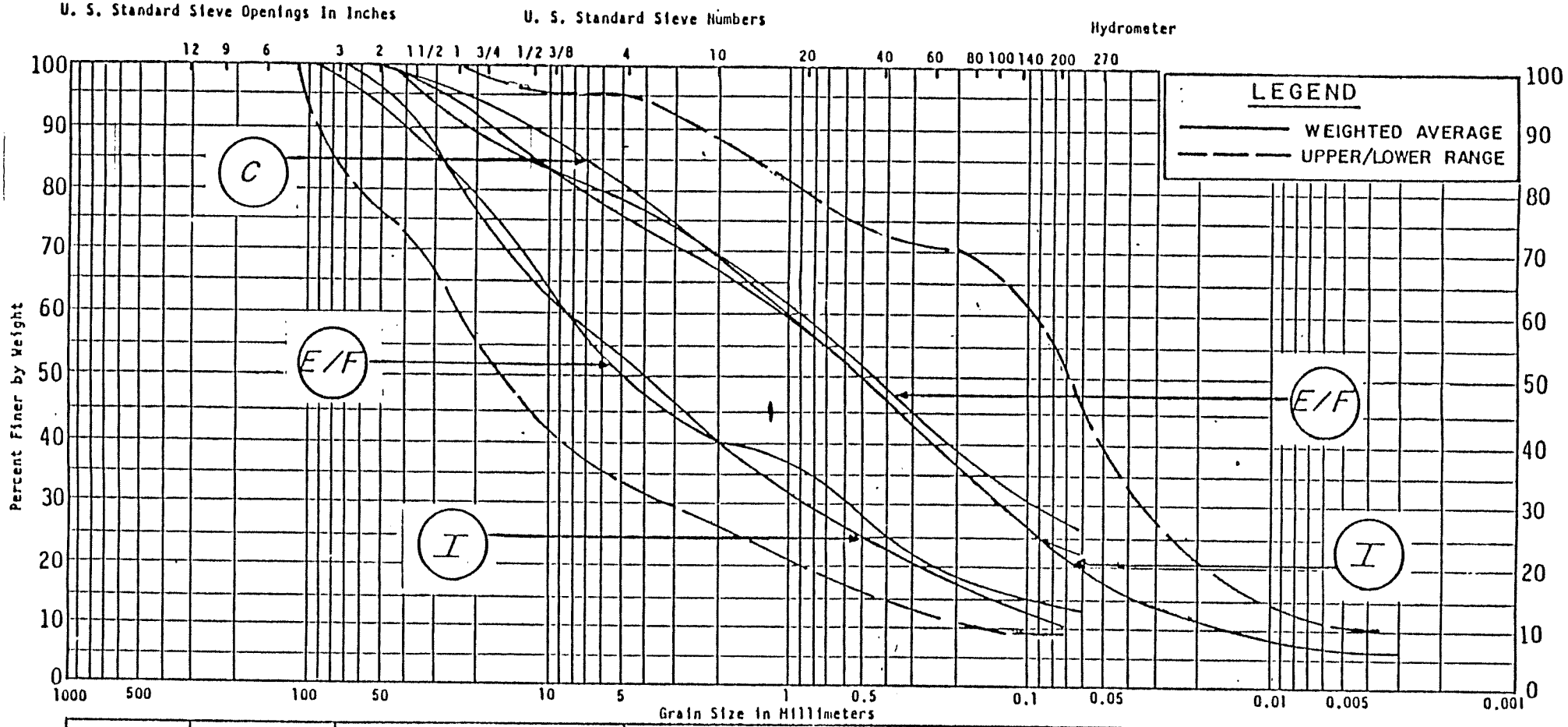
ALASKA POWER AUTHORITY

SUSITNA HYDROELECTRIC PROJECT

ALLUVIUM

BORROWAREA "D" & RELICT CHANNEL

GRADATION SIZE ANALYSIS



UNIT	MATERIAL	NO. OF SAMPLES	FEET OF SAMPLE	% MAT'L IN SECTION
E/F	SANDY GRAVEL, (GM)	10	26	26
E/F	SILTY SAND, (SM)	35	73	74
I	SANDY GRAVEL, (GW/GM)	5	11	19
I	SILTY SAND, (SM)	18	48	81
C	SILTY SAND, (SM)	8	27	100

ALASKA POWER AUTHORITY

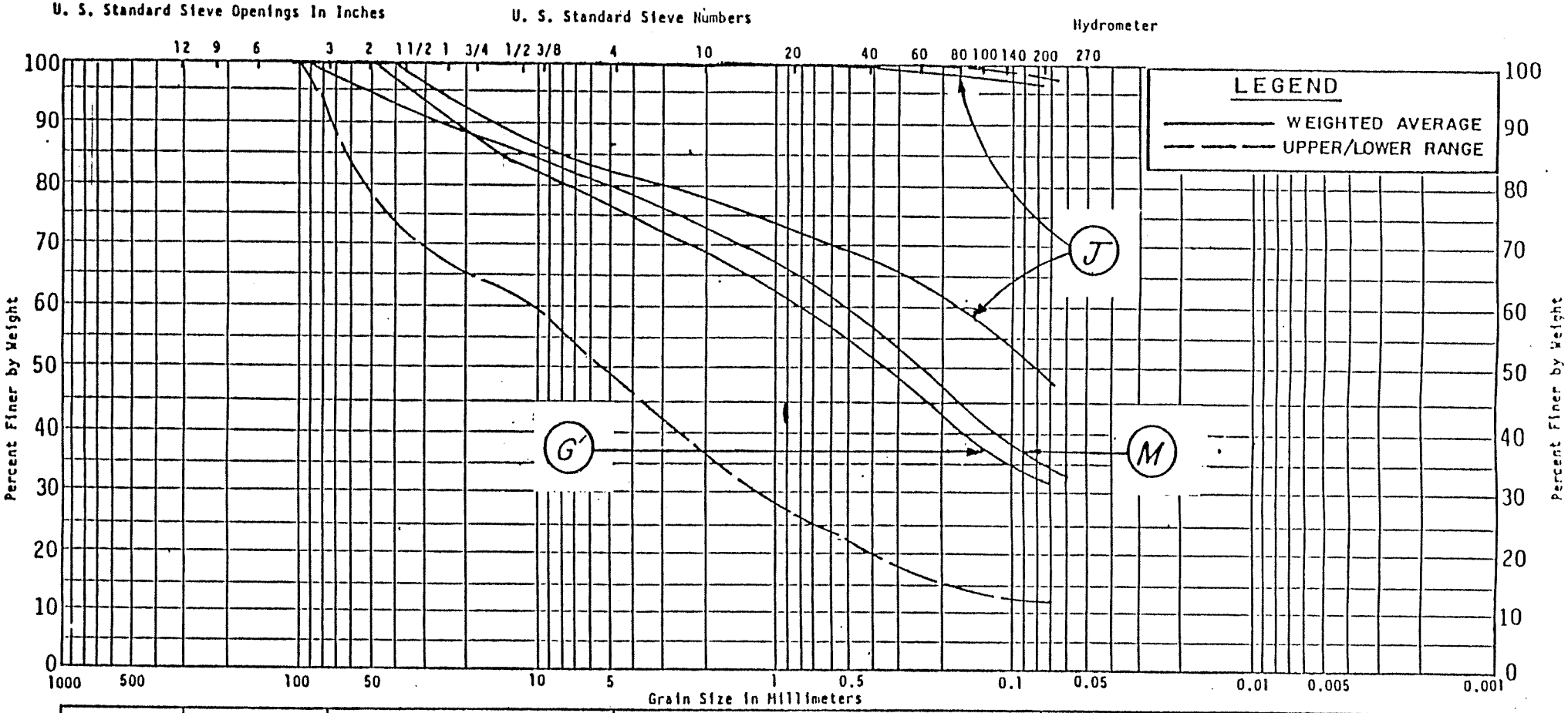
SUSITNA HYDROELECTRIC PROJECT

OUTWASH

BORROW AREA "D" & RELICT CHANNEL

L-51-51

GRADATION SIZE ANALYSIS



UNIT	MATERIAL	NO. OF SAMPLES	FEET OF SAMPLE	% MAT'L IN SECTION
M	SILTY SAND, (SM/SC)	8	13	100
G'	SILTY GRAVELLY SAND, (SM/SC/GC)	91	233	100
J	SANDY SILT, (SM/SC)	4	6	50
J	CLAY, (CL)	4	6	50

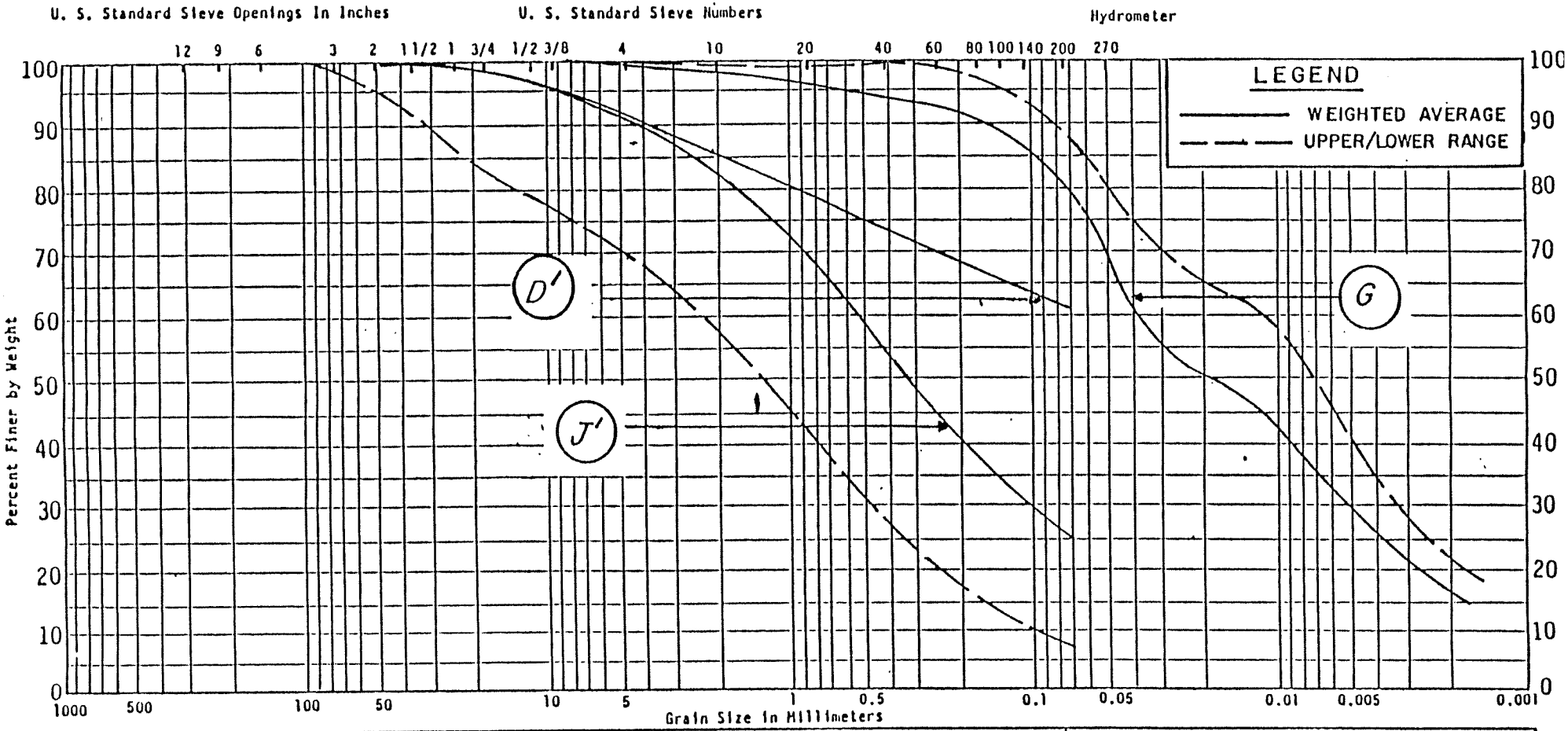
ALASKA POWER AUTHORITY

SUSITNA HYDROELECTRIC PROJECT

BASAL TILL

BORROW AREA "D" & RELICT CHANNEL

GRADATION SIZE ANALYSIS



BOULDERS	COBBLES	GRAVEL		SAND			FINES	
		Coarse	Fine	Coarse	Medium	Fine	Silt Sizes	Clay Sizes

UNIT	MATERIAL	NO. OF SAMPLES	FEET OF SAMPLE	% MAT'L IN SECTION
G	SILTY CLAY, (CL/CL-ML)	9	17	100
D'	SANDY SILT, (ML)	4	4	100
J'	SILTY SAND, (SM/SM-SC)	18	23	100

ALASKA POWER AUTHORITY

SUSITNA HYDROELECTRIC PROJECT

LACUSTRINE

BORROW AREA "D" & RELICT CHAN

HAMER GROUP | DATE | FIGURE

6-15-91

16. Exhibit G

Comment

Plate G6 - Complete boundary for PSC 443 in Section 6, T31N, R1E. Delete reference to "ELEVATION 1500 MSL" from legend.

Plate G12 - Show location of transmission line with reference to appropriate G sheet.

Plate G30 - Identify the project boundary for the Knik Substation. (If the project areas are aliquot parts of the public land survey, simply delineate the areas accurately.)

Plates G30 through G37, and G39 through G52 - Identify meridian (Seward or Fairbanks).

Plates G35 through G38, and G41 through G45 - Add coordinates of the Alaska State Plane Coordinate System at angle points of the transmission line.

Plate G38 - Indicate purpose of the 130 acre project area in Sections 16, 20, and 21 T31N, R2W.

Plates G38 and G39 - Show location of railroad access corridor with reference to appropriate G sheet.

Plate G40 - Correct Devil Canyon project boundary in Section 35, T32N, R4E, (compare with G12), and Watana project boundary in Sections 3, 4, and 5, T31N, R5E, (compare with G13).

Plate G52 - Identify the project boundary for the Ester Substation. (If it coincides with an approved Federal survey, simply identify the survey.)

Show the ownership status of the project land in Section 3, T1S, R2W.

Response

Revised Exhibit G Plates 6, 12 and 30 through 52 are attached.

BASED ON ALASKA STATE PLANE COORDINATE SYSTEM, ZONE 4 AND LOCAL M.S.L. MEAN SEA LEVEL DATUM. ALL SECTION, RANGE AND TOWNSHIP LINES SHOWN ARE ACCORDING TO THE OFFICIAL PROTRACTIONS FOR THE SEWARD MERIDIAN, ALASKA.

9 USA-BLM R.S.
8 USA-BLM R.S.
7 USA-BLM R.S.
12 USA-BLM R.S.
11 USA-BLM R.S.
10 USA-BLM R.S.

RAILHEAD FACILITY
ACCESS RAILROAD SEE SHEET G 59
PSC 443 ELEVATION 1500 MSL
INTEGRATED OFFICE
TANK FARM
NORMAL MAXIMUM RESERVOIR LEVEL
WATER TREATMENT
CONSTRUCTION ROAD
TRANSMISSION LINE
TO GOLD CREEK
CONSTRUCTION CAMP
CONSTRUCTION VILLAGE
SOLID WASTE LANDFILL
SEWAGE TREATMENT
SEE SHEET G 59
EMERGENCY SPILLWAY
FUSE PLUG
SADDLE DAM
DIVERSION TUNNEL
MAIN DAM
DOWNSTREAM COFFERDAM
UPSTREAM COFFERDAM
POWER INTAKE
MAIN SPILLWAY
MAIN ACCESS TUNNEL
POWERHOUSE ACCESS TUNNEL
OUTFALL
WATER INTAKE
NOTE: ABOVE THIS POINT PSC 443 IS AT ELEVATION 1500 MSL
PSC 443 ELEVATION 930 MSL
TAILRACE TUNNEL
℄ OF 2-345 KV TRANSMISSION LINE TO GOLD CREEK
POWERHOUSE
SWITCHYARD
TRANSFORMER GALLERY
SUSITNA RIVER
DEVIL CANYON CONSTRUCTION ADIT
FROM WATANA
SURGE CHAMBER
ACCESS ROAD CORRIDOR SEE SHEET G 58
TRANSMISSION LINE SEE SHEET G 58
DEVIL CANYON DAM SITE
DEVIL CANYON

4 CIRI
5 CIRI
33 CIRI
32 CIRI
31 CIRI
36 CIRI
35 USA-BLM R.S.
34
28 USA-BLM R.S.
29 USA-BLM R.S.
30 USA-BLM R.S.
CIRI
26
27
21
20
19
24
23
22

T 31 N
T 30 N

1 2 3

LEGEND

- PROJECT BOUNDARY
- NORMAL MAXIMUM RESERVOIR LEVEL ELEVATION 1455 MSL
- POWER SITE CLASSIFICATION NO. 443

LAND OWNERSHIP SCHEDULE

USA-BLM	– BUREAU OF LAND MANAGEMENT
AK	– STATE OF ALASKA
CIRI	– COOK INLET REGION, INC.
US ARMY	– UNITED STATES ARMY
USAF	– UNITED STATES AIR FORCE
MAT- U	– MATANUSKA-SUSITNA BOROUGH
M OF ANC	– MUNICIPALITY OF ANCHORAGE
R.S.	– COOK INLET REGION, INC. REGIONAL SELECTION

NOTE - ALL LAND OWNERSHIP BY SECTIONS UNLESS OTHERWISE SHOWN

SCALE 0 1000 2000 FEET
Scale - 1" = 1000'
Contour Interval - 100'

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

DEVIL CANYON PROJECT BOUNDARY

EXHIBIT G | PLATE G 6

PROJECT BOUNDARY ELEVATION 1479

PROJECT BOUNDARY ELEVATION 1479

SUSITNA RIVER

CIRI

CIRI

CIRI

CIRI

USA-BLM R.S.

USA-BLM S.S.

USA-BLM S.S.

USA-BLM S.S.

ACCESS ROAD CORRIDOR SEE SHEET 6 98

ACCESS ROAD CORRIDOR SEE SHEET 6 98

ACCESS ROAD CORRIDOR SEE SHEET 6 97

TRANSMISSION LINE SEE SHEET 6 40

Contour Interval = 100'

SCALE 0 1000 2000 FEET

Scale: 1" = 1000'

LAND OWNERSHIP SCHEDULE

USA-BLM	– BUREAU OF LAND MANAGEMENT
AK	– STATE OF ALASKA
CIRI	– COOK INLET REGION, INC.
US ARMY	– UNITED STATES ARMY
USAF	– UNITED STATES AIR FORCE
MAT-SU	– MATANUSKA-SUSITNA BOROUGH
M OF ANC	– MUNICIPALITY OF ANCHORAGE
R.S.	– COOK INLET REGION, INC. REGIONAL SELECTION
S.S.	– STATE SELECTION

NOTE: ALL LAND OWNERSHIP BY SECTIONS UNLESS OTHERWISE SHOWN.

LEGEND

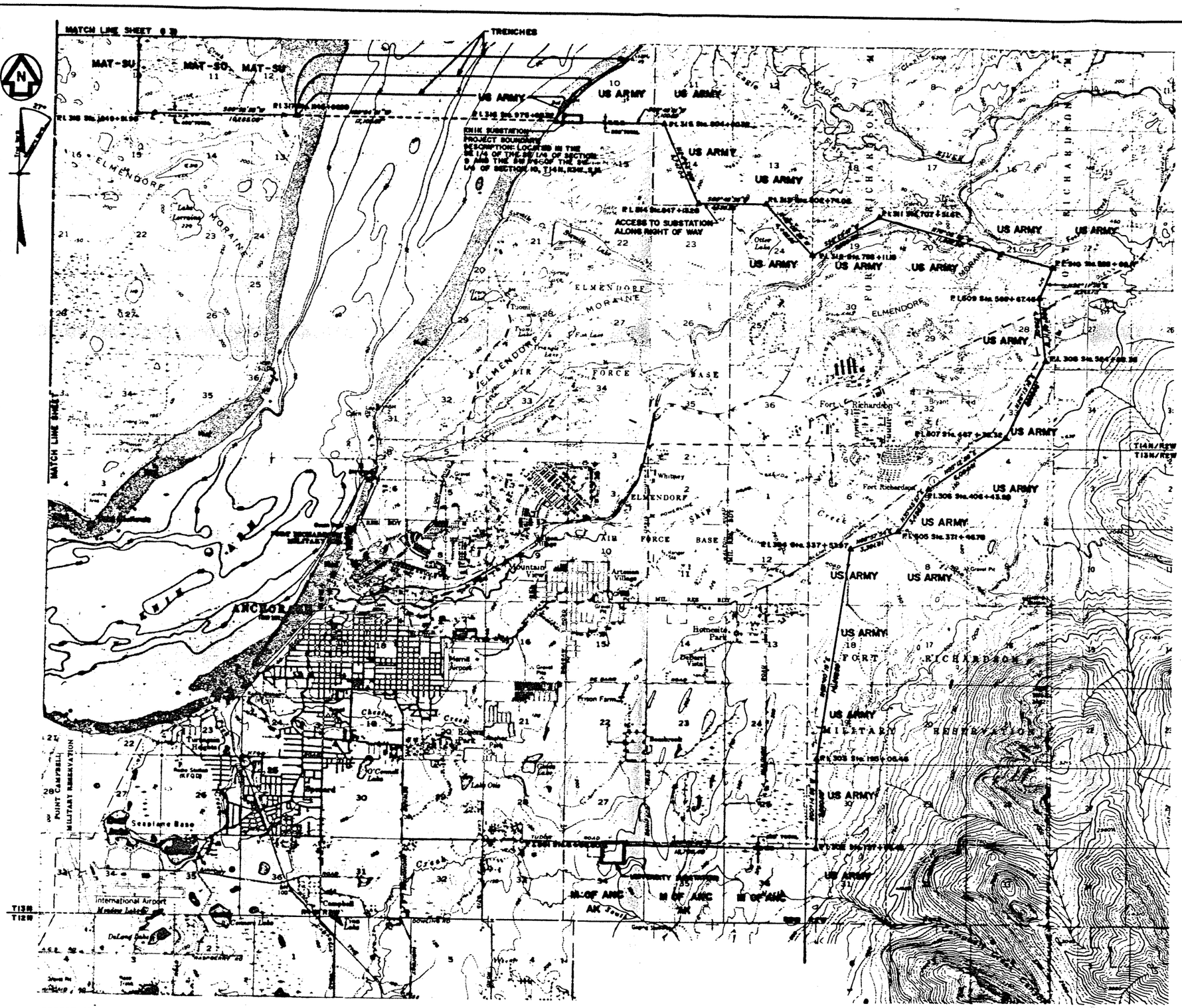
- PROJECT BOUNDARY
- NORMAL MAXIMUM RESERVOIR LEVEL ELEVATION 1455 MSL
- POWER SITE CLASSIFICATION NO. 448 ELEVATION 1500 MSL

ALASKA POWER AUTHORITY

SUSITNA HYDROELECTRIC PROJECT

DEVIL CANYON PROJECT BOUNDARY

EXHIBIT G | PLATE G 12

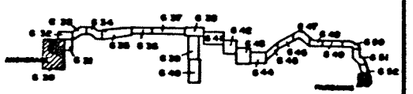


REFERENCE: BASE MAP FROM U.S.G.S. 1:63,360 ALASKA QUADRANGLES, ANCHORAGE (A-7), ANCHORAGE (A-8), ANCHORAGE (B-7) AND ANCHORAGE (B-8) SEWARD MERIDIAN

NOTES

1. NO SURVEY WAS PERFORMED PRIOR TO THE PREPARATION OF THIS MAP. TOWNSHIP CORNER POSITIONS WERE DETERMINED BY COORDINATING RECORD BUREAU OF LAND MANAGEMENT (B.L.M.) SURVEY PLATS FOR THE ASSOCIATED TOWNSHIPS. WHERE NO RECORD PLAT EXISTED, POSITIONS WERE DETERMINED FROM THE OFFICIAL B.L.M. PROTRACTION DIAGRAM. POSITIONS FOR THE TRANSMISSION LINE P.I.'S WERE DETERMINED BY DIGITIZING SCALED POINTS ON THE RESPECTIVE U.S.G.S. QUADRANGLE MAPS ORIENTATED TO THE COMPUTED TOWNSHIP CORNER POSITIONS.
2. ALL DIMENSIONS, COORDINATES AND STATIONING SHOWN ARE BASED ON THE ALASKA STATE PLANE COORDINATE SYSTEM ZONE 4 GRID.

PT. #	NORTHING	EASTING
301	2623540.04	536886.28
302	2623579.57	550071.69
303	2629379.51	550546.52
304	2643465.13	552684.83
305	2644682.58	555880.61
306	2647521.01	557908.18
307	2650998.49	562910.08
308	2656102.98	565424.22
309	2660313.37	564851.87
310	2662351.97	565763.86
311	2665414.33	564282.46
312	2662846.16	548923.22
313	2666158.75	548935.89
314	2666146.00	542484.46
315	2671378.62	540120.07
316	2671355.93	533020.11
317	2671365.72	515913.47
318	2671385.38	505628.47
PT. #	NORTHING	EASTING



TRANSMISSION LINE MAP INDEX

LEGEND

PROJECT BOUNDARY

LAND OWNERSHIP SCHEDULE

USA-BLM	– BUREAU OF LAND MANAGEMENT
AK	– STATE OF ALASKA
CIRI	– COOK INLET REGION, INC.
US ARMY	– UNITED STATES ARMY
USAF	– UNITED STATES AIR FORCE
MAT-SU	– MATANUSKA-SUSITNA BOROUGH
M OF ANC	– MUNICIPALITY OF ANCHORAGE

NOTE: ALL LAND OWNERSHIP BY SECTIONS UNLESS OTHERWISE SHOWN

SCALE 0 1 MILE

Scale-1"=.5 mi.

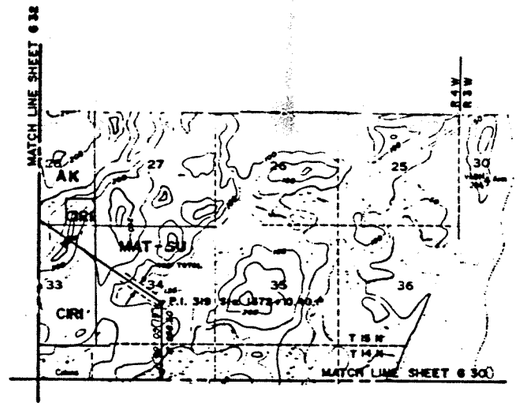
ALASKA POWER AUTHORITY

SUSITNA HYDROELECTRIC PROJECT

TRANSMISSION LINE PROJECT BOUNDARY

EXHIBIT 6 | PLATE 6 30





NOTES

1. NO SURVEY WAS PERFORMED PRIOR TO THE PREPARATION OF THIS MAP. TOWNSHIP CORNER POSITIONS WERE DETERMINED BY COORDINATING RECORD BUREAU OF LAND MANAGEMENT (B.L.M.) SURVEY PLATS FOR THE ASSOCIATED TOWNSHIPS. WHERE NO RECORD PLAT EXISTED, POSITIONS WERE DETERMINED FROM THE OFFICIAL B.L.M. PROTRACTION DIAGRAM. POSITIONS FOR THE TRANSMISSION LINE P.I.'S WERE DETERMINED BY DIGITIZING SCALED POINTS ON THE RESPECTIVE U.S.G.S. QUADRANGLE MAPS ORIENTATED TO THE COMPUTED TOWNSHIP CORNER POSITIONS.

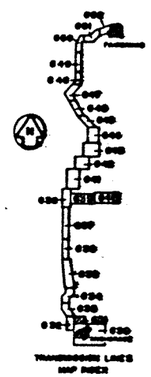
2. ALL DIMENSIONS, COORDINATES AND STATIONING SHOWN ARE BASED ON THE ALASKA STATE PLANE COORDINATE SYSTEM ZONE 4 GRID.

LAND OWNERSHIP SCHEDULE

USA-BLM	– BUREAU OF LAND MANAGEMENT
AK	– STATE OF ALASKA
CIRI	– COOK INLET REGION, INC.
US ARMY	– UNITED STATES ARMY
USAF	– UNITED STATES AIR FORCE
MAT-SU	– MATANUSKA-SUSITNA BOROUGH
M OF ANC	– MUNICIPALITY OF ANCHORAGE

NOTE: ALL LAND OWNERSHIP BY SECTIONS UNLESS OTHERWISE SHOWN

SCALE 0 1 MILE
Scale: 1" = .5 mi.



P.I. #	NORTHING	EASTING
319	2683643.86	505609.48
P.I. #	NORTHING	EASTING

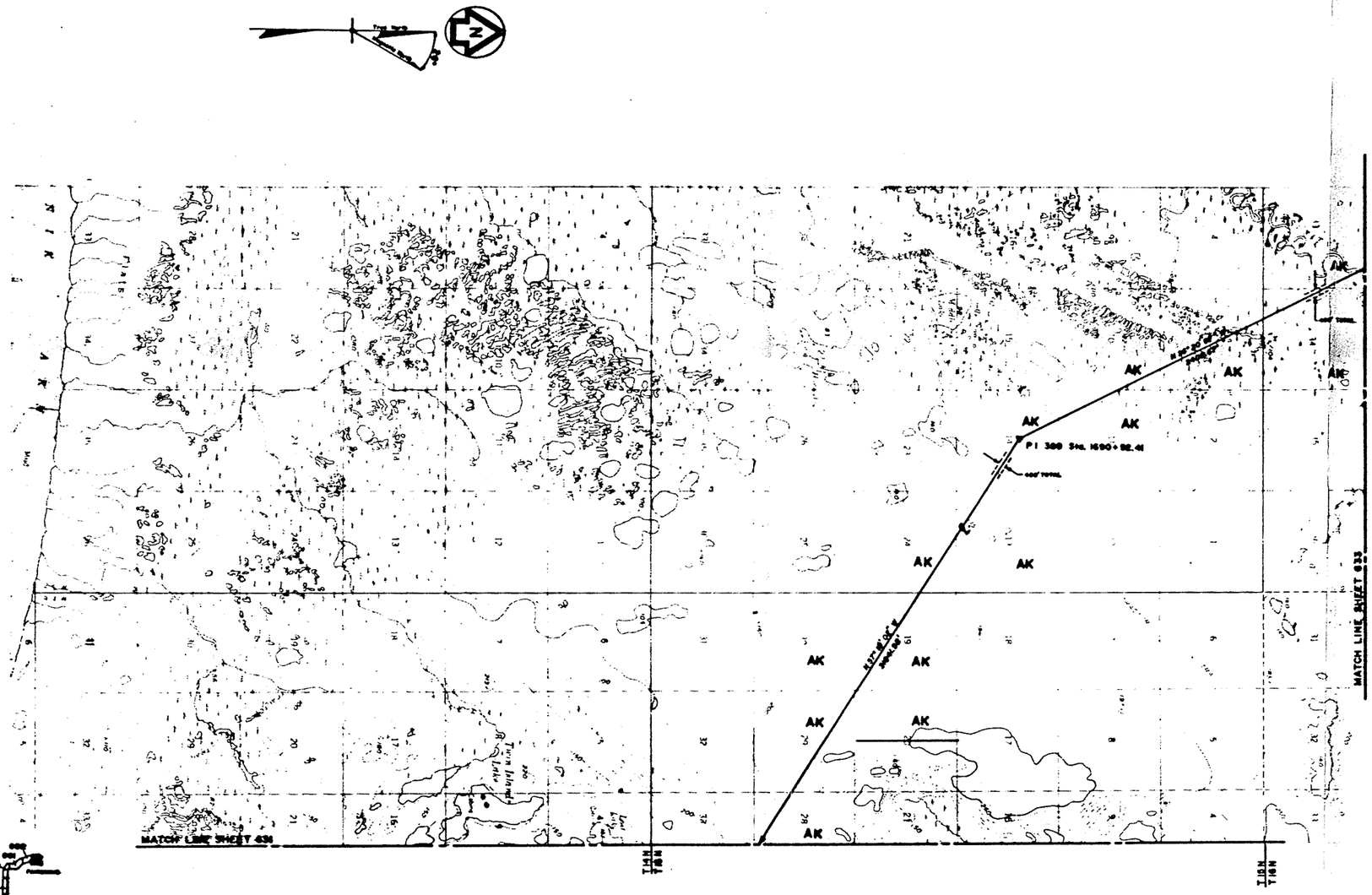
REFERENCE: BASE MAP FROM U.S.G.S. 1:63,360 ALASKA QUADRANGLE ANCHORAGE (B-8) SEWARD MERIDIAN

ALASKA POWER AUTHORITY

SUSITNA HYDROELECTRIC PROJECT

TRANSMISSION LINE PROJECT BOUNDARY

EXHIBIT 6 | PLATE 6 31



P.I.#	NORTHING	EASTING
320	2700838.15	478808.05
P.I.#	NORTHING	EASTING

NOTES

1. NO SURVEY WAS PERFORMED PRIOR TO THE PREPARATION OF THIS MAP. TOWNSHIP CORNER POSITIONS WERE DETERMINED BY COORDINATING RECORD BUREAU OF LAND MANAGEMENT (B.L.M.) SURVEY PLATS FOR THE ASSOCIATED TOWNSHIPS. WHERE NO RECORD PLAT EXISTED, POSITIONS WERE DETERMINED FROM THE OFFICIAL B.L.M. PROTRACTION DIAGRAM. POSITIONS FOR THE TRANSMISSION LINE P.I.'S WERE DETERMINED BY DIGITIZING SCALED POINTS ON THE RESPECTIVE U.S.G.S. QUADRANGLE MAPS ORIENTATED TO THE COMPUTED TOWNSHIP CORNER POSITIONS.

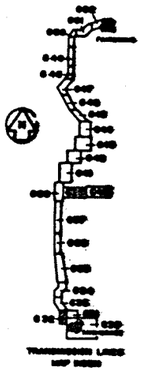
2. ALL DIMENSIONS, COORDINATES AND STATIONING SHOWN ARE BASED ON THE ALASKA STATE PLANE COORDINATE SYSTEM ZONE 4 GRID.

LAND OWNERSHIP SCHEDULE

USA-BLM	– BUREAU OF LAND MANAGEMENT
AK	– STATE OF ALASKA
CIR	– COOK INLET REGION, INC.
US ARMY	– UNITED STATES ARMY
USAF	– UNITED STATES AIR FORCE
MAT-SU	– MATANUSKA-SUSITNA BOROUGH
M OF ANC	– MUNICIPALITY OF ANCHORAGE

NOTE: ALL LAND OWNERSHIP BY SECTIONS UNLESS OTHERWISE SHOWN

SCALE 0 1 MILE
Scale: 1" = 1 mi.

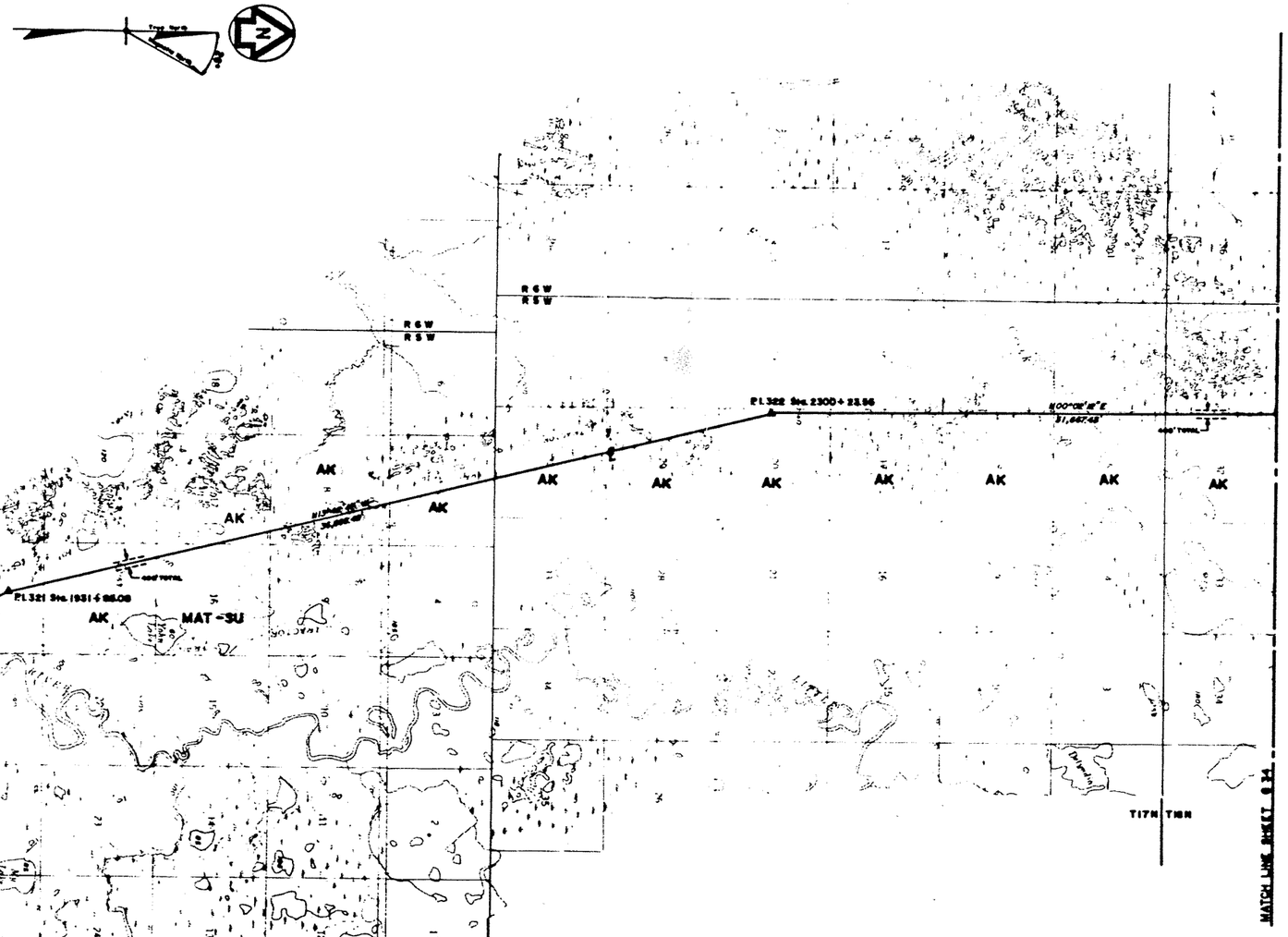


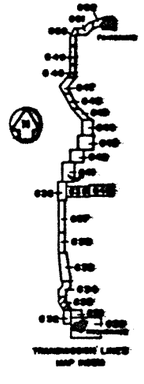
REFERENCE: BASE MAP FROM U.S.G.S 1:63,360 ALASKA QUADRANGLE, TYONEK (B-1). SEWARD MERIDIAN

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

TRANSMISSION LINE PROJECT BOUNDARY

EXHIBIT G | PLATE G32





REFERENCE: BASE MAP FROM U.S.G.S. 1:63,360 ALASKA QUADRANGLE, TYONEK (B-1 AND TYONEK (C-1) SEWARD MERIDIAN

NOTES

1. NO SURVEY WAS PERFORMED PRIOR TO THE PREPARATION OF THIS MAP. TOWNSHIP CORNER POSITIONS WERE DETERMINED BY COORDINATING RECORD BUREAU OF LAND MANAGEMENT (B.L.M.) SURVEY PLATS FOR THE ASSOCIATED TOWNSHIPS. WHERE NO RECORD PLAT EXISTED, POSITIONS WERE DETERMINED FROM THE OFFICIAL B.L.M. PROTRACTION DIAGRAM. POSITIONS FOR THE TRANSMISSION LINE P.I.'S WERE DETERMINED BY DIGITIZING SCALED POINTS ON THE RESPECTIVE U.S.G.S. QUADRANGLE MAPS ORIENTATED TO THE COMPUTED TOWNSHIP CORNER POSITIONS.

2. ALL DIMENSIONS, COORDINATES AND STATIONING SHOWN ARE BASED ON THE ALASKA STATE PLANE COORDINATE SYSTEM ZONE 4 GRID.

P.I.#	NORTHING	EASTING
321	2722448.22	468112.04
322	2758256.08	459374.43
P.I.#	NORTHING	EASTING

LAND OWNERSHIP SCHEDULE

USA-BLM	– BUREAU OF LAND MANAGEMENT
AK	– STATE OF ALASKA
CIRI	– COOK INLET REGION, INC.
US ARMY	– UNITED STATES ARMY
USAF	– UNITED STATES AIR FORCE
MAT-SU	– MATANUSKA-SUSITNA BOROUGH
M OF ANC	– MUNICIPALITY OF ANCHORAGE

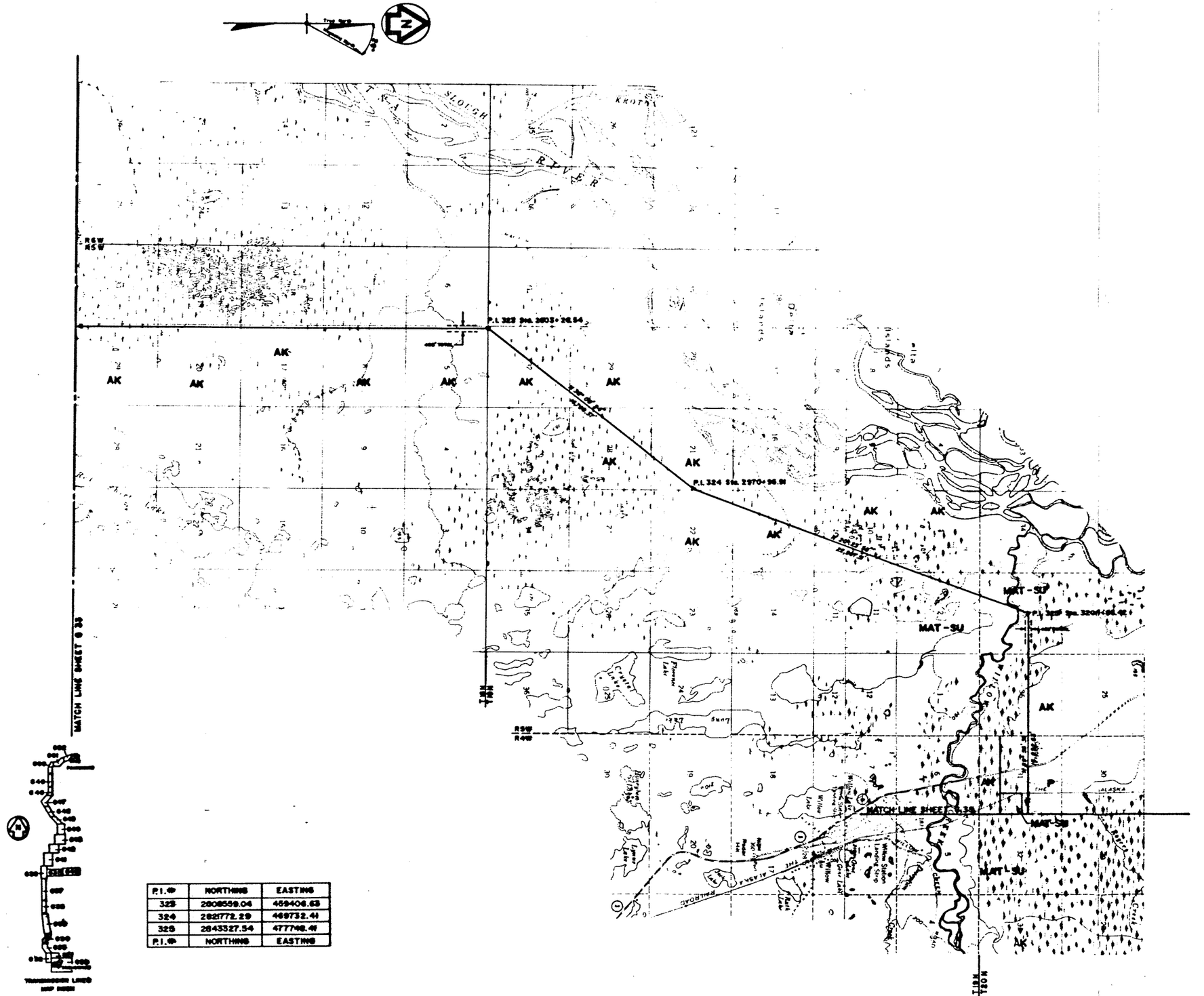
NOTE: ALL LAND OWNERSHIP BY SECTIONS UNLESS OTHERWISE SHOWN

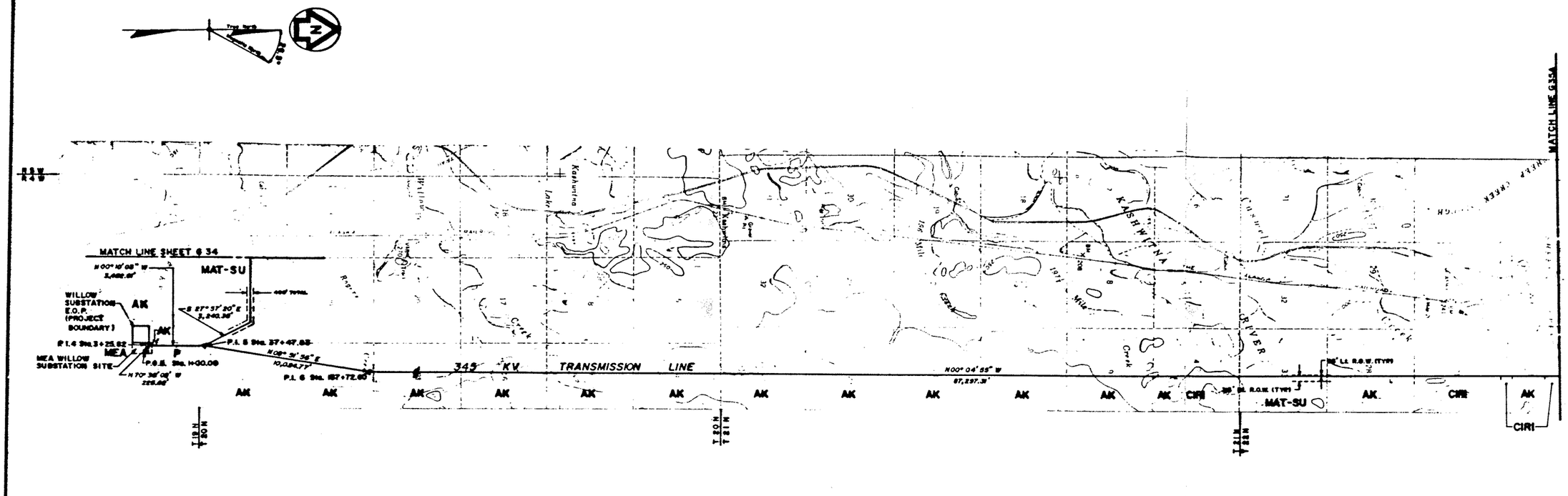
SCALE 0 1 MILE
Scale-1" = .5 mi.

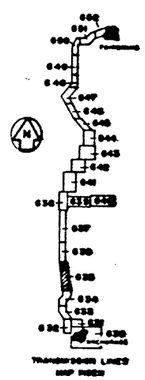
ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

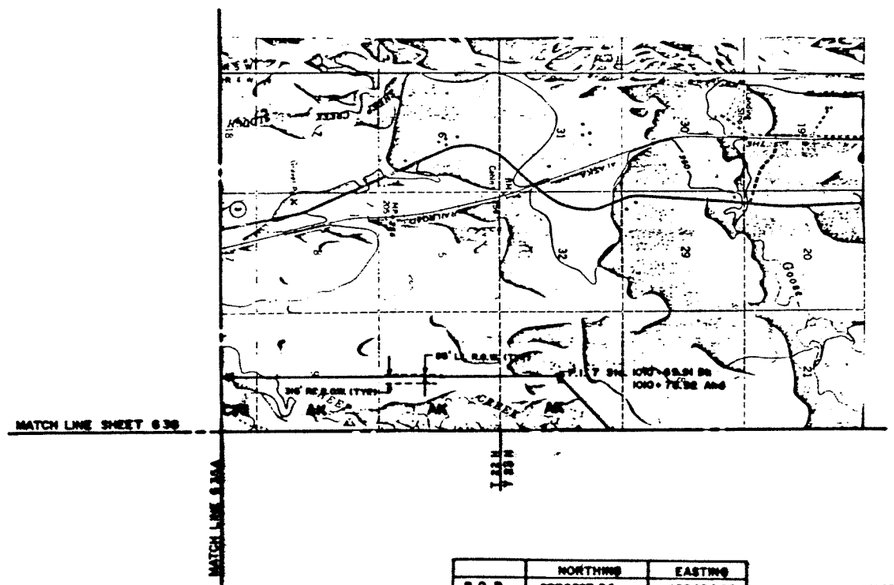
TRANSMISSION LINE PROJECT BOUNDARY

EXHIBIT G | PLATE G 33


SLOUGH
KROTO
RSW
RSW
P.I. 323 Sta. 2603+26.64
AK
AK
AK
AK
AK
AK
AK
AK
AK
AK
AK
AK
P.I. 324 Sta. 2970+96.91
MAT-SU
MAT-SU
AK
AK
AK
AK
AK
AK
AK
AK
AK
AK
AK
AK







	NORTHING	EASTING
P.O.B.	2836995.94	486404.86
P.I.●		
4	2850392.00	497705.00
5	2840487.00	486160.00
6	2850392.00	497705.00
P.I.●	NORTHING	EASTING

LAND OWNERSHIP SCHEDULE

AK	– STATE OF ALASKA
MAT-SU	– MATANUSKA-SUSITNA BOROUGH
CIRI	– COOK INLET REGION, INC.
MEA	– MATANUSKA ELECTRIC ASSOCIATION
P	– PRIVATE

NOTE: ALL LAND OWNERSHIP BY SECTIONS UNLESS OTHERWISE SHOWN

NOTES

1. ALL DIMENSIONS, COORDINATES AND STATIONING SHOWN ARE BASED ON THE ALASKA STATE PLANE COORDINATE SYSTEM ZONE 4 GRID.

LANDS WITHIN THE TRANSMISSION CORRIDOR INDICATED ON THIS SHEET HAVE BEEN ACQUIRED BY THE ALASKA POWER AUTHORITY. THE LINE SHOWN WILL BE CONSTRUCTED IN 1985.

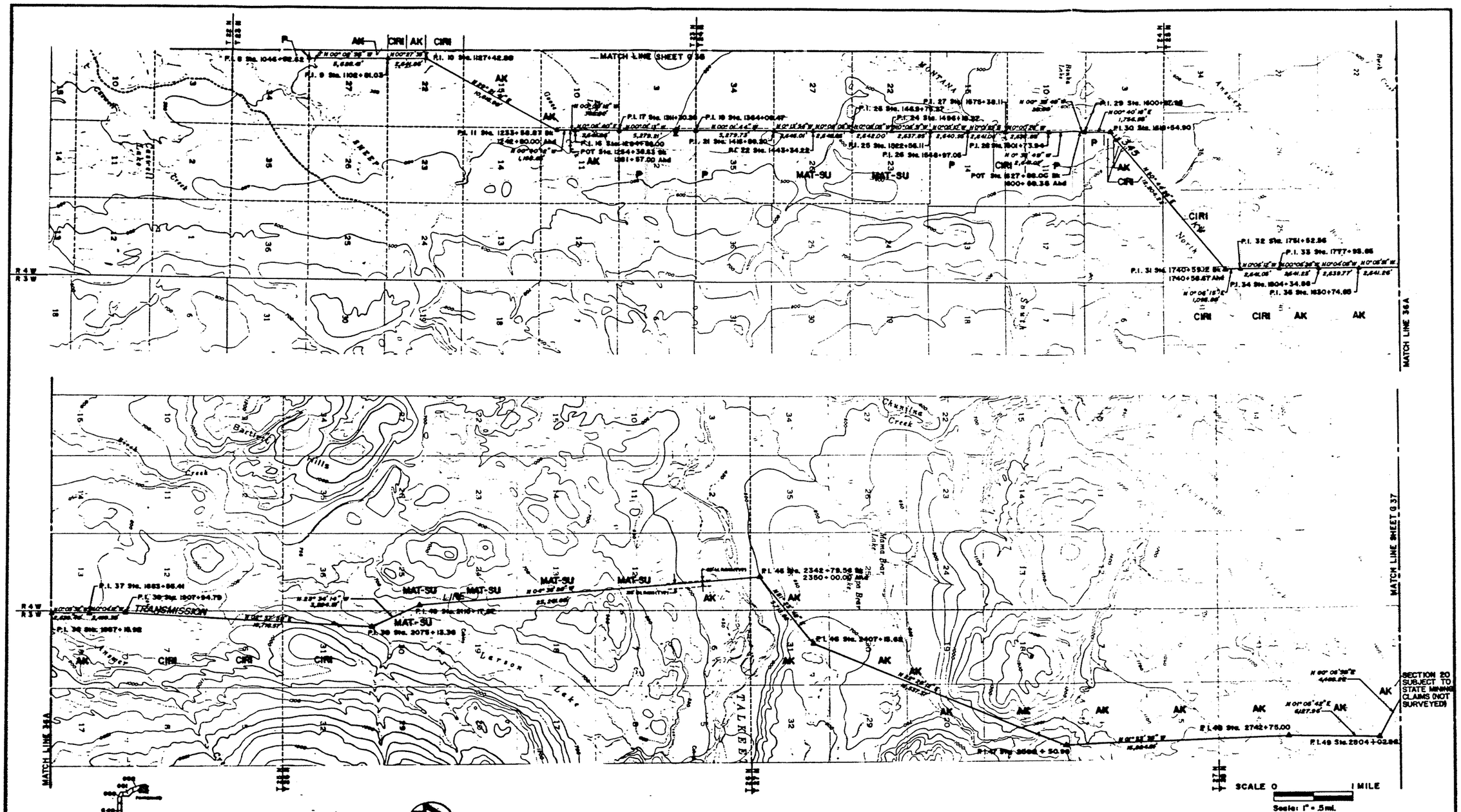
THIS SHEET IS A COMPOSITE OF THE FOLLOWING U.S.G.S. QUADRANGLES: TALKEETNA (A-1), TYONEK (D-8 SEWARD MERIDIAN

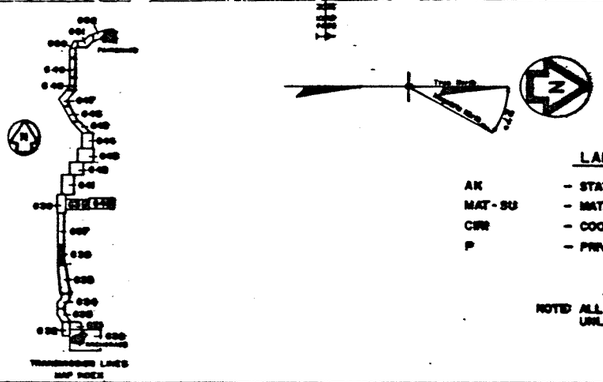
SCALE 0 1 MILE
Scale 1" = .5 mi.

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

TRANSMISSION LINE PROJECT BOUNDARY

EXHIBIT G | PLATE G 35





LAND OWNERSHIP SCHEDULE

AK	– STATE OF ALASKA
MAT-SU	– MATANUSKA-SUSITNA BOROUGH
CIRI	– COOK INLET REGION, INC.
P	– PRIVATE

NOTE: ALL LAND OWNERSHIP BY SECTIONS UNLESS OTHERWISE SHOWN.

P.I.	NORTHING	EASTING
36	3014412.46	514623.85
37	3017081.80	514621.14
38	3019481.27	514616.16
39	3036887.44	515663.38
40	3039399.56	514281.97
45	3062586.00	512400.06
46	3066150.00	510965.00
47	3083260.00	523550.05
48	3098259.81	525543.76
49	3104422.66	
P.I.	NORTHING	EASTING

LANDS WITHIN THE TRANSMISSION CORRIDOR INDICATED ON THIS SHEET HAVE BEEN ACQUIRED BY THE ALASKA POWER AUTHORITY. THE LINE SHOWN WILL BE CONSTRUCTED IN 1982.

THIS SHEET IS A COMPOSITE OF THE FOLLOWING U.S.G.S. QUADRANGLES: TALKEETNA MOUNTAINS (B-6), TALKEETNA MOUNTAINS (A-6). SEWARD MERIDIAN

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

TRANSMISSION LINE PROJECT BOUNDARY

EXHIBIT G | PLATE G 36

MATCH LINE SHEET G 36

MATCH LINE SHEET G 38

SECT. 29 SUBJECT TO STATE MINING CLAIMS (NOT SURVEYED)

345 KV TRANSMISSION LINE

P.I. 50 Sta. 3648+91.18

P.I. 51 Sta. 3691+11.81

P.I. 52 Sta. 3736+75.98

P.I. 53 Sta. 3879+45.62

P.I. 54 Sta. 3909+96.99

P.I. 55 Sta. 3430+92.48

P.I. 56 Sta. 3500+84.63

P.I. 57 Sta. 3617+96.10

P.I. 58 Sta. 3651+03.39

P.I. 59 Sta. 3699+12.82

P.I. 60 Sta. 3761+13.23

P.I. 61 Sta. 3836+08.01

USA C.S.

AK

T 29 N
T 30 N

T 30 N
T 31 N

SUSITNA RIVER

KEETNA

P.I. #	NORTHING	EASTING
50	3106660.00	519680.00
51	3126690.00	522450.00
52	3145230.00	521510.00
53	3143860.79	524810.25
54	3148776.86	527900.98
55	3158628.88	534916.28
56	3164588.76	538564.31
57	3174679.34	544667.80
58	3177038.30	546970.14
59	3181667.65	548192.74
60	3186188.58	552436.13
61	3191835.22	557210.67
P.I. #	NORTHING	EASTING

TRANSMISSION LINES MAP INDEX

LAND OWNERSHIP SCHEDULE

AK – STATE OF ALASKA

USA C.S. – COOK INLET REGION, INC. SELECTED

NOTE: ALL LAND OWNERSHIP BY SECTIONS UNLESS OTHERWISE SHOWN.

NOTES

1. ALL DIMENSIONS, COORDINATES AND STATIONING SHOWN ARE BASED ON THE ALASKA STATE PLANE COORDINATE SYSTEM ZONE 4 GRID.

LANDS WITHIN THE TRANSMISSION CORRIDOR INDICATED ON THIS SHEET HAVE BEEN ACQUIRED BY THE ALASKA POWER AUTHORITY. THE LINE SHOWN WILL BE CONSTRUCTED IN 1988.

THIS SHEET IS COMPOSED OF U.S.G.S. QUADRANGLE: TALKEETNA MOUNTAINS (C-6) SEWARD MERIDIAN

SCALE 0 1 MILE

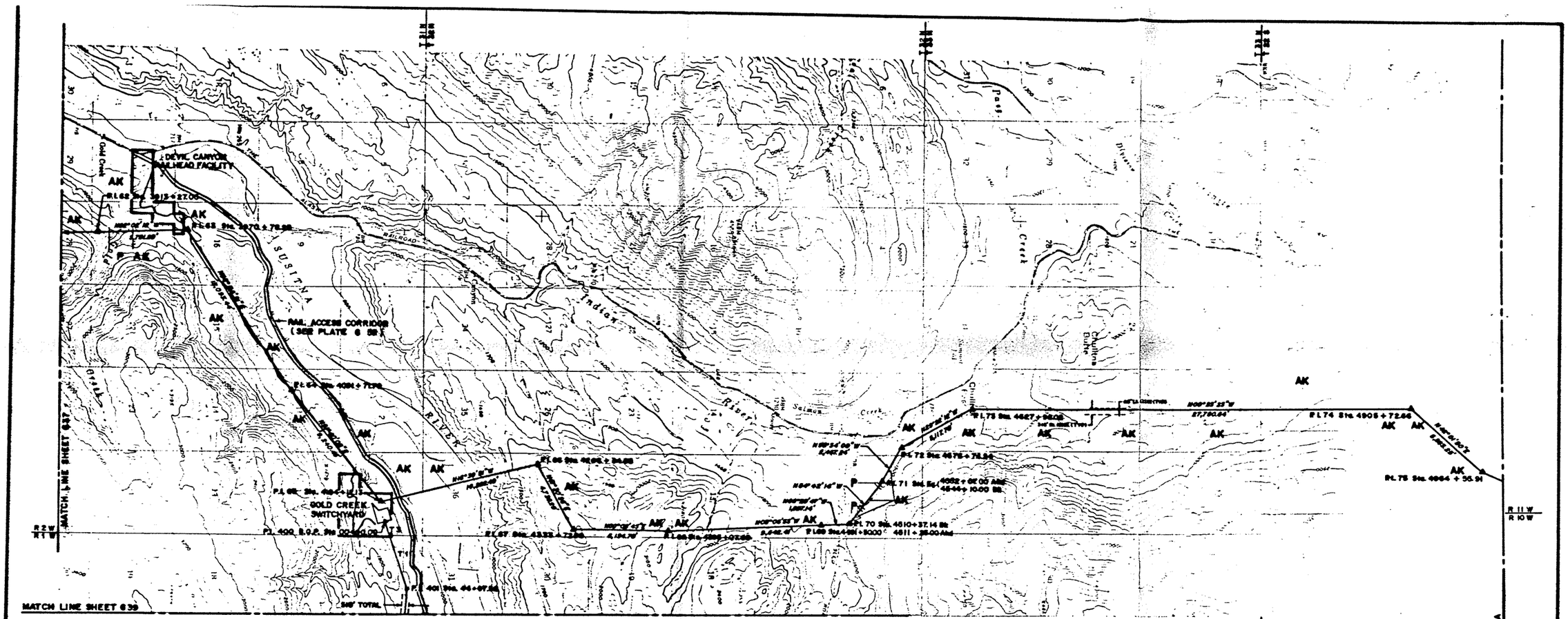
Scale: 1" = .5 mi.

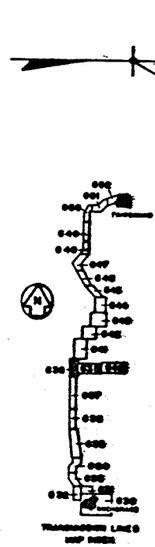
ALASKA POWER AUTHORITY

SUSITNA HYDROELECTRIC PROJECT

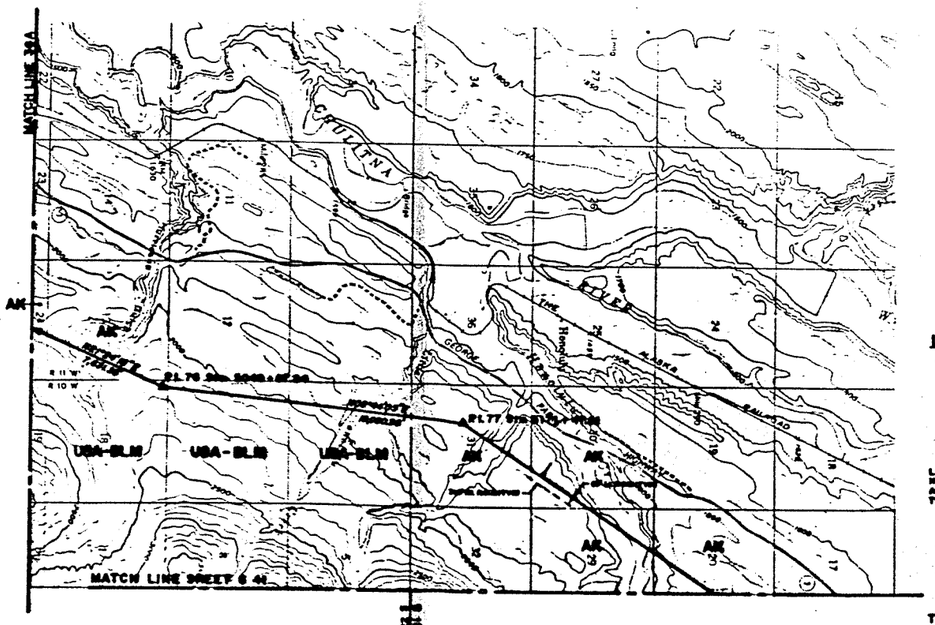
TRANSMISSION LINE PROJECT BOUNDARY

EXHIBIT G | PLATE G37





P.I.	NORTHING	EASTING
62	3199654.04	567151.84
63	3205401.61	568947.46
64	3212180.88	568962.25
65	3217911.80	574210.82
66	3227761.54	5714176.57
67	3230081.94	575640.94
68	3236158.70	575608.28
69	3246784.88	575132.64
70	3247646.98	574826.18
71	3248645.00	572145.00
72	3250840.00	570110.00
73	3258400.00	567600.00
74	3283180.00	567411.00
75	3287560.00	571350.00
76	3294655.00	574135.00
77	3307660.00	574440.00
P.I.	NORTHING	EASTING



LAND OWNERSHIP SCHEDULE

AK	- STATE OF ALASKA
USA-BLM	- BUREAU OF LAND MANAGEMENT
P	- PRIVATE

NOTE: ALL LAND OWNERSHIP BY SECTION UNLESS OTHERWISE SHOWN.

LABEL	BEARING	DISTANCE
T1	N 71° 12' 10" E	4407.52
T3	N 71° 12' 10" E	880.62
LABEL	BEARING	DISTANCE

LEGEND

PROJECT BOUNDARY

LANDS WITHIN THE TRANSMISSION CORRIDOR INDICATED ON THIS SHEET HAVE BEEN ACQUIRED BY THE ALASKA POWER AUTHORITY. THE LINE SHOWN WILL BE CONSTRUCTED IN 1988.

THIS SHEET IS A COMPOSITE OF THE FOLLOWING U.S.G.S QUADRANGLES: TALKEETNA MOUNTAINS (D-6), HEALY (A-6).

NOTES

1. ALL DIMENSIONS, COORDINATES AND STATIONING SHOWN ARE BASED ON THE ALASKA STATE PLANE COORDINATE SYSTEM ZONE 4 GRID.

SCALE 0 1 MILE

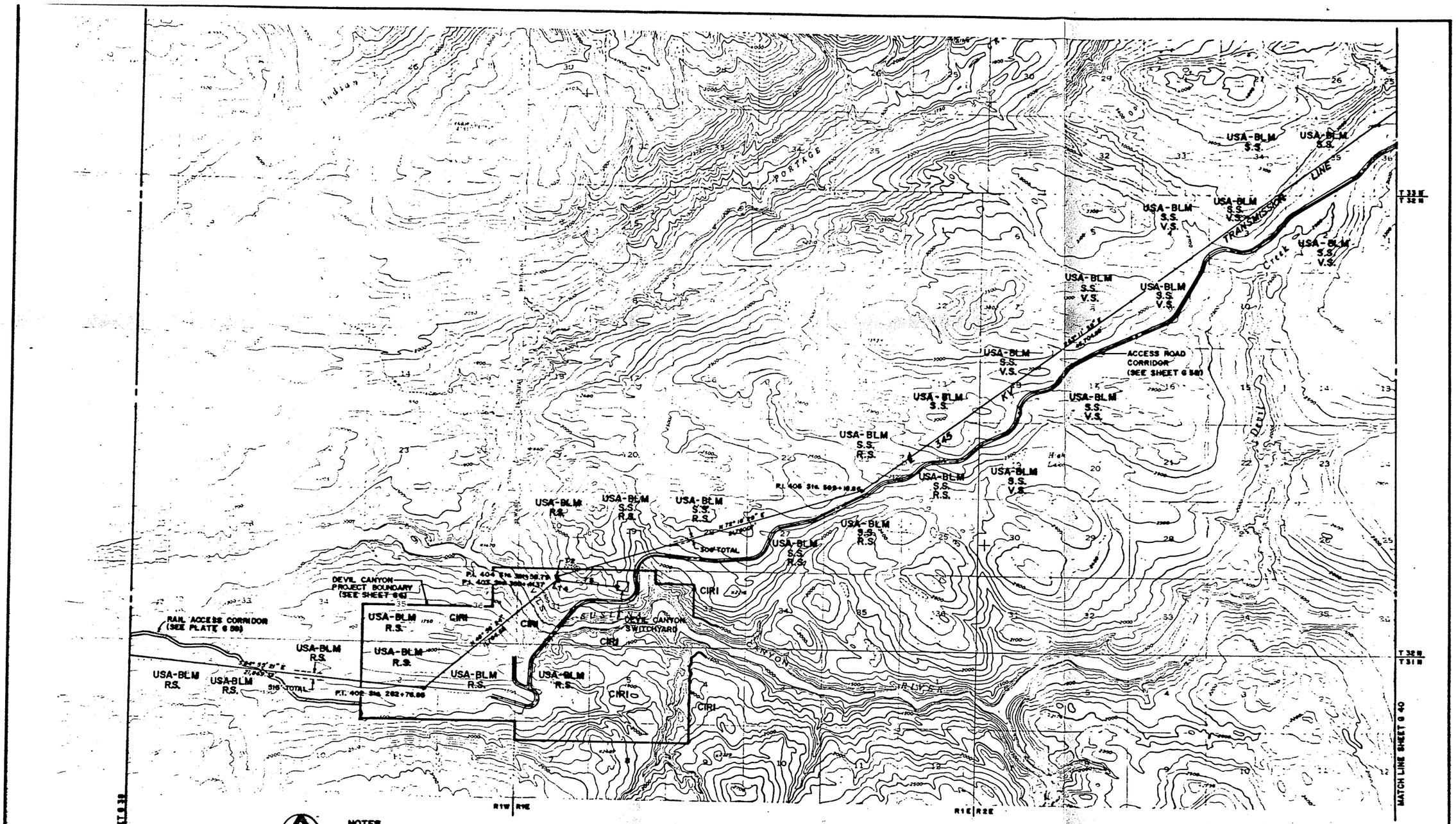
Scale: 1" = .5 mi.

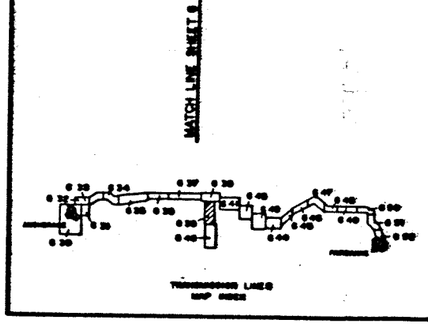
ALASKA POWER AUTHORITY

SUSITNA HYDROELECTRIC PROJECT

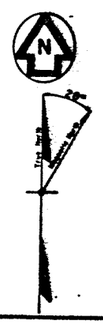
TRANSMISSION LINE PROJECT BOUNDARY

EXHIBIT 6 | PLATE G38





TRANSMISSION LINE MAP INDEX



NOTES

1. NO SURVEY WAS PERFORMED PRIOR TO THE PREPARATION OF THIS MAP. TOWNSHIP CORNER POSITIONS WERE DETERMINED BY COORDINATING RECORD BUREAU OF LAND MANAGEMENT (BLM) SURVEY PLATS FOR THE ASSOCIATED TOWNSHIPS. WHERE NO RECORD PLAT EXISTED, POSITIONS WERE DETERMINED FROM THE OFFICIAL BLM PROTRACTION DIAGRAMS. POSITIONS FOR THE TRANSMISSION LINE P.I.'S WERE DETERMINED BY DIGITIZING SCALED POINTS ON THE RESPECTIVE U.S.G.S. QUADRANGLE MAPS ORIENTATED TO THE COMPUTED TOWNSHIP CORNER POSITIONS.

2. ALL DIMENSIONS, COORDINATES AND STATIONING SHOWN ARE BASED ON THE ALASKA STATE PLANE COORDINATE SYSTEM ZONE 4 GRID.

LAND OWNERSHIP SCHEDULE

USA-BLM	– BUREAU OF LAND MANAGEMENT
ASL	– STATE OF ALASKA
CIRI	– COOK INLET REGION, INC.
S.S.	– STATE SELECTION
R.S.	– COOK INLET REGION INC. REGIONAL SELECTION
V.S.	– COOK INLET REGION INC. VILLAGE SELECTION

NOTE: ALL LAND OWNERSHIP BY SECTIONS UNLESS OTHERWISE SHOWN.

SCALE 0 1 MILE
Scale: 1" = .5 mi.

P.I.	NORTHING	EASTING
402	3217698.12	601273.47
403	3225417.91	610150.91
404	3225520.26	610983.35
405	3232133.13	630824.26
P.I.	NORTHING	EASTING

LABEL	BEARING	DISTANCE
T2	N 29° 21' 04" W	117.42
T4	S 49° 00' 36" E	115.00
T5	S 84° 19' 48" E	4023.38
LABEL	BEARING	DISTANCE

THIS SHEET IS COMPOSED OF U.S.G.S. QUADRANGLE: TALKEETNA MOUNTAINS (D-8) FAIRBANKS MERIDIAN

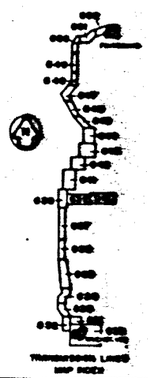
ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

TRANSMISSION LINE PROJECT BOUNDARY

EXHIBIT G | PLATE G 39

P.I.	NORTHING	EASTING
406	3260110.71	668222.13
407	3254955.29	665768.02
408	3250622.16	663223.65
409	3246111.73	659086.98
410	3236298.18	737428.05
411	3229368.39	743027.80
412	3229318.70	743323.46
P.I.	NORTHING	EASTING

LABEL	BEARING	DISTANCE
T.B.	S 80° 28' 00" E	300.08
LABEL	BEARING	DISTANCE



NOTES:

1. NO SURVEY WAS PERFORMED PRIOR TO THE PREPARATION OF THIS MAP. TOWNSHIP CORNER POSITIONS WERE DETERMINED BY COORDINATING RECORD BUREAU OF LAND MANAGEMENT (BLM) SURVEY PLATS FOR THE ASSOCIATED TOWNSHIPS. WHERE NO RECORD PLAT EXISTED, POSITIONS WERE DETERMINED FROM THE OFFICIAL B.L.M. PROTRACTION DIAGRAM. POSITIONS FOR THE TRANSMISSION LINE P.I.'S WERE DETERMINED BY DIGITIZING SCALED POINTS ON THE RESPECTIVE U.S.G.S. QUADRANGLE MAPS ORIENTATED TO THE COMPUTED TOWNSHIP CORNER POSITIONS.
2. ALL DIMENSIONS, COORDINATES AND STATIONING SHOWN ARE BASED ON THE ALASKA STATE PLANE COORDINATE SYSTEM ZONE 4 (NAD 83).

LAND OWNERSHIP SCHEDULE

USA-BLM	– BUREAU OF LAND MANAGEMENT
AK	– STATE OF ALASKA
CIRI	– COOK INLET REGION, INC.
S.S.	– STATE SELECTION
R.S.	– COOK INLET REGION, INC. REGIONAL SELECTION
V.S.	– COOK INLET REGION, INC. VILLAGE SELECTION

NOTE: ALL LAND OWNERSHIP BY SECTIONS UNLESS OTHERWISE SHOWN

THIS SHEET IS A COMPOSITE OF THE FOLLOWING U.S.G.S. QUADRANGLES: TALKEETNA MOUNTAINS (D-6), TALKEETNA MOUNTAINS (D-5). FAIRBANKS MERIDIAN

SCALE 0 1 MILE

Scale: 1" = 5 mi.

ALASKA POWER AUTHORITY

SUSITNA HYDROELECTRIC PROJECT

TRANSMISSION LINE PROJECT BOUNDARY

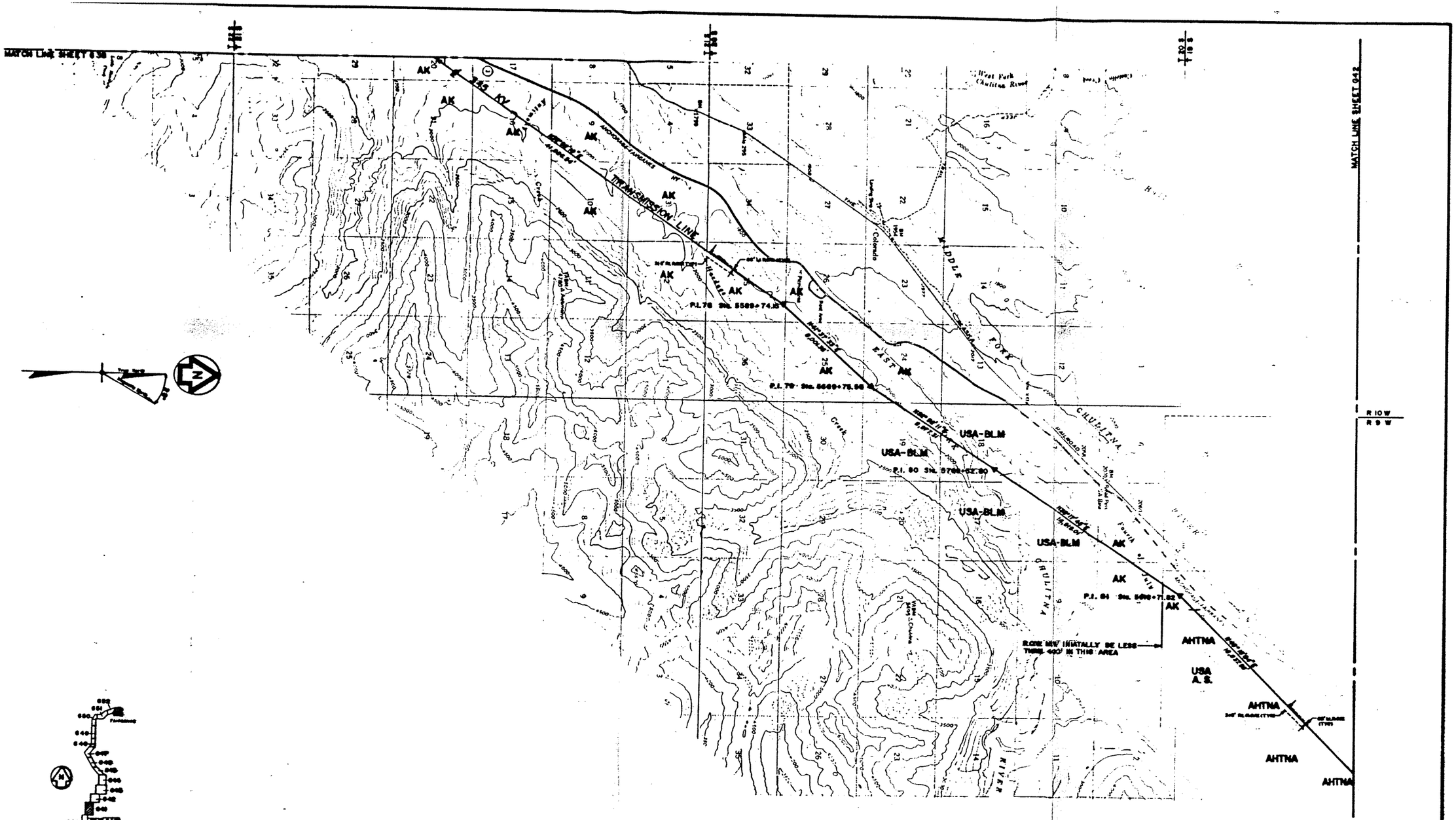
EXHIBIT 6 | PLATE G 40

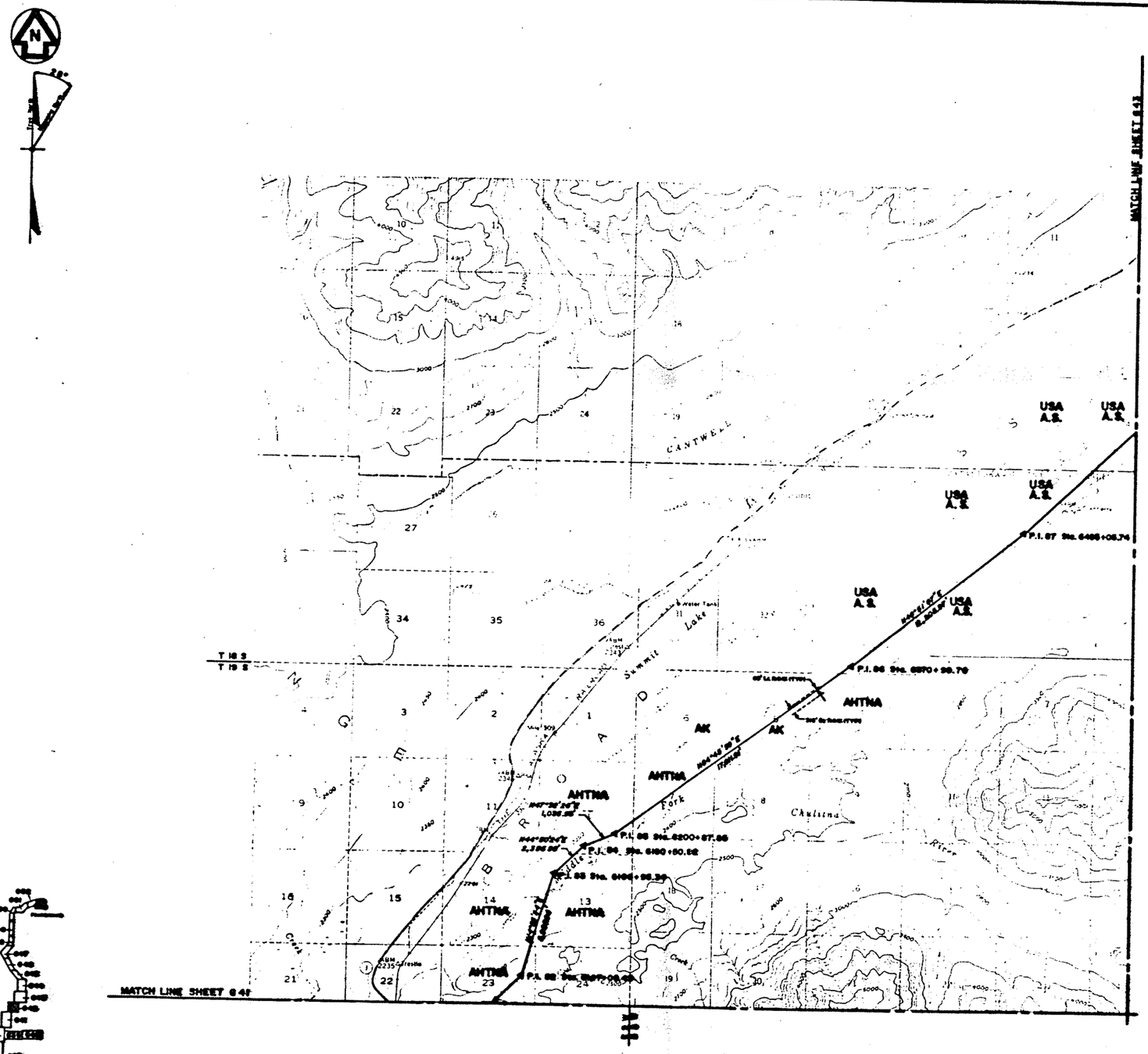
MATCH LINE SHEET G 38

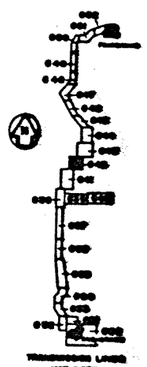
MATCH LINE SHEET G 42

T 18 S
T 19 S

R 10 W
R 9 W


345 KV TRANSMISSION LINE
ANCHORAGE-FAIRBANKS
West Fork Chulitna River
Colorado
Creek
MIDDLE FORK
EAST FORK
CHULITNA
RIVER
Fourth of July Creek
Ferry
Healy
Usibelli
Stampede Trail
RAILROAD
Alaska
Hurricane
Gulch
Wyoming
Canyon
Creek
Yanert Fork
Chulitna
Tatlanika
Creek
Clear
Creek
Dry
Creek
Moody
Creek
Lignite
Creek
Lynx
Creek
Lynx
Creek
Ferry
Creek
Healy
Creek
Healy
Creek
Healy





LAND OWNERSHIP SCHEDULE

AK	- STATE OF ALASKA
USA	- AHTNA, INC. SELECTED
A.S.	
AHTNA	- AHTNA, INC.

NOTE: ALL LAND OWNERSHIP BY SECTIONS UNLESS OTHERWISE SHOWN.

P.I. #	NORTHING	EASTING
82	3382440.00	634060.00
83	3382744.71	632998.00
84	3381996.00	631488.00
85	3380615.00	630025.00
86	3400430.00	644932.00
87	3406300.00	656230.00
P.I. #	NORTHING	EASTING

NOTES

1. ALL DIMENSIONS, COORDINATES AND STATIONING SHOWN ARE BASED ON THE ALASKA STATE PLANE COORDINATE SYSTEM ZONE 4 GRID.

SCALE 0 1 MILE
Scale 1" = .5 mi.

LANDS WITHIN THE TRANSMISSION CORRIDOR INDICATED ON THIS SHEET HAVE BEEN ACQUIRED BY THE ALASKA POWER AUTHORITY. THE LINE SHOWN WILL BE CONSTRUCTED IN 1988.

THIS SHEET IS COMPOSED OF U.S.G.S. QUADRANGLE- HEALY (B-6) FAIRBANKS MERIDIAN

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

TRANSMISSION LINE PROJECT BOUNDARY

EXHIBIT G | PLATE G 42

MATCH LINE: SHEET G42

MATCH LINE SHEET G44

R8W
R7W

R7W
R6W

DENALI NATIONAL MONUMENT

345 KV TRANSMISSION LINE

P.I. 88 Sta. 6682+76.85

P.I. 89 Sta. 6791+67.10

P.I. 90 Sta. 6880+21.86

P.I. 91 Sta. 6943+58.83

P.I. 92 Sta. 7019+20.95

P.I. 101 Sta. 7271+09.34

P.I. 100 Sta. 7233+13.34

P.I. 99 Sta. 7200+00.00 Ahd.
Eq Sta. 7140+32.16 Bk.

2 LIKES Sta. 7336+70.39

N 67°-26'-17" E
101,930.80'

N 49°-39'-00" E
6,439.23'

N 62°-45'-00" E
7,362.12'

N 34°-35'-25" W
3,796.00'

N 13°-16'-37" W
3,343.34'

N 08°-30'-40" W
6,484.08'

Caribou Creek

Jack River

Tributary

Creek

Fork

AHTNA

USA A.S.

USA

P

SCALE 0 1 MILE
Scale: 1" = .5mi

TRANSMISSION LINES
MAP INDEX

P.I.	NORTHING	EASTING
88	3421894.08	671783.62
89	3425864.34	681808.34
90	3431340.86	686916.53
91	3439030.22	689137.11
92	3446786.90	692536.15
99	3457050.00	696365.00
100	3460275.00	696225.00
101	3463400.00	694070.00
102	3469815.00	693300.00
P.I.	NORTHING	EASTING

NOTES

1. ALL DIMENSIONS, COORDINATES AND STATIONING SHOWN ARE BASED ON THE ALASKA STATE PLANE COORDINATE SYSTEM ZONE 4 GRID.

LAND OWNERSHIP SCHEDULE

USA A.S.	- AHTNA, INC. SELECTED
AHTNA	- AHTNA, INC.
P	- PRIVATE
USA	- UNITED STATES OF AMERICA

NOTE: ALL LAND OWNERSHIP BY SECTIONS UNLESS OTHERWISE SHOWN.

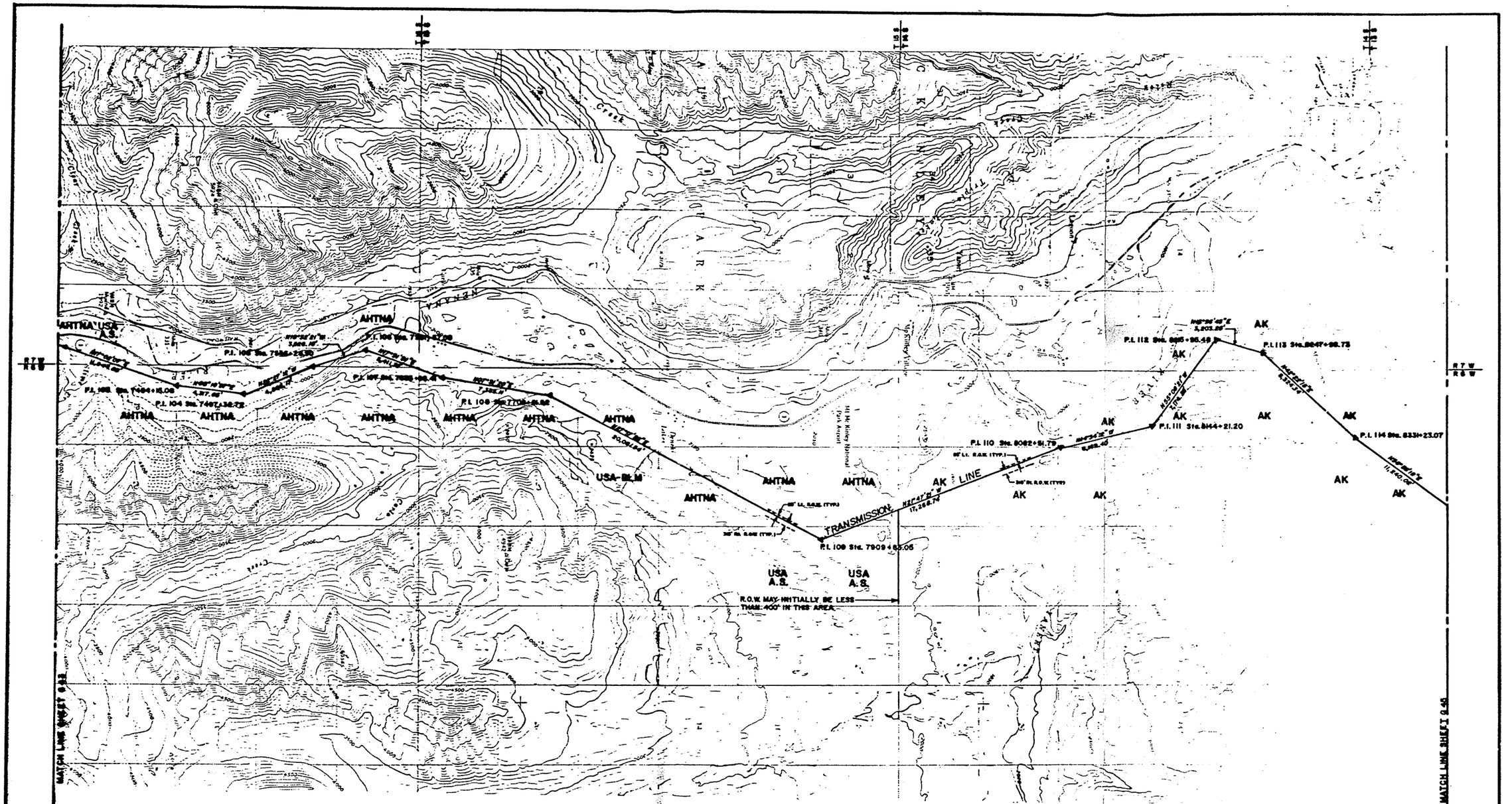
LANDS WITHIN THE TRANSMISSION CORRIDOR INDICATED ON THIS SHEET HAVE BEEN ACQUIRED BY THE ALASKA POWER AUTHORITY THE LINE SHOWN WILL BE CONSTRUCTED IN SEA.

THIS SHEET IS COMPOSED OF U.S.G.S. QUADRANGLE- HEALY (B-4) FAIRBANKS MERIDIAN

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

TRANSMISSION LINE PROJECT BOUNDARY

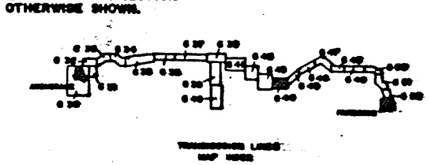
EXHIBIT G | PLATE G43



LAND OWNERSHIP SCHEDULE

AHTNA - AHTNA, INC.
USA-BLM - BUREAU OF LAND MANAGEMENT
USA A.S. - AHTNA, INC. SELECTED
AK - STATE OF ALASKA

NOTE: ALL LAND OWNERSHIP BY SECTION UNLESS OTHERWISE SHOWN.



TRANSMISSION LANDS MAP INDEX

P.I.#	NORTHING	EASTING
103	3481140.00	696770.00
104	3486440.00	697160.00
105	3489265.00	695230.00
106	3493290.00	694110.00
107	3498460.00	695740.00
108	3506720.00	696700.00
P.I.#	NORTHING	EASTING

P.I.#	NORTHING	EASTING
109	3523565.00	706910.00
110	3539800.00	699500.00
111	3545571.00	697948.00
112	3549670.00	692060.00
113	3552750.00	692940.00
114	3556900.00	696550.00
P.I.#	NORTHING	EASTING

NOTES

1. ALL DIMENSIONS, COORDINATES AND STATIONING SHOWN ARE BASED ON THE ALASKA STATE PLANE COORDINATE SYSTEM ZONE 4 NAD 83.

LANDS WITHIN THE TRANSMISSION CORRIDOR INDICATED ON THIS SHEET HAVE BEEN ACQUIRED BY THE ALASKA POWER AUTHORITY. THE LINE SHOWN WILL BE CONSTRUCTED IN 1985.

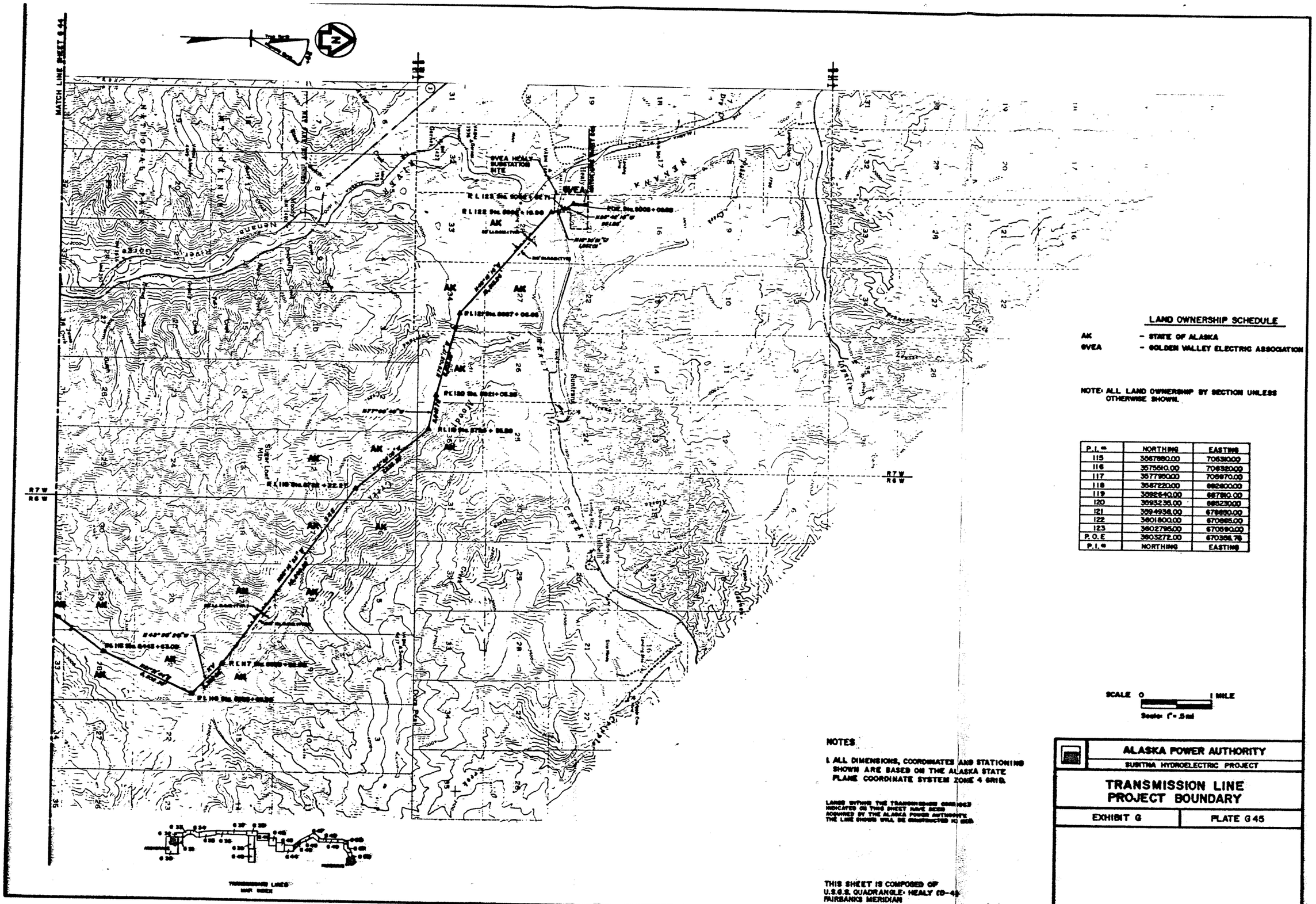
THIS SHEET IS COMPOSED OF U.S.G.S. QUADRANGLE - HEALY (C-4) FAIRBANKS MERIDIAN

SCALE 0 1 MILE
Scale-1"= .5 mi.

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

TRANSMISSION LINE PROJECT BOUNDARY

EXHIBIT G | PLATE G 44



LAND OWNERSHIP SCHEDULE

AK - STATE OF ALASKA
GVEA - GOLDEN VALLEY ELECTRIC ASSOCIATION

NOTE: ALL LAND OWNERSHIP BY SECTION UNLESS OTHERWISE SHOWN.

P.I. #	NORTHING	EASTING
115	3567880.00	706310.00
116	3575510.00	704132.00
117	3577950.00	700870.00
118	3587220.00	692800.00
119	3592540.00	687190.00
120	3593230.00	686230.00
121	3594936.00	678630.00
122	3601800.00	670985.00
123	3602795.00	670690.00
P.O.E	3603272.00	670356.78
P.I. #	NORTHING	EASTING

SCALE 0 1 MILE
Scale: 1" = .5mi

TRANSMISSION LINES
MAP INDEX

NOTES

1. ALL DIMENSIONS, COORDINATES AND STATIONING SHOWN ARE BASED ON THE ALASKA STATE PLANE COORDINATE SYSTEM ZONE 4 GRID.

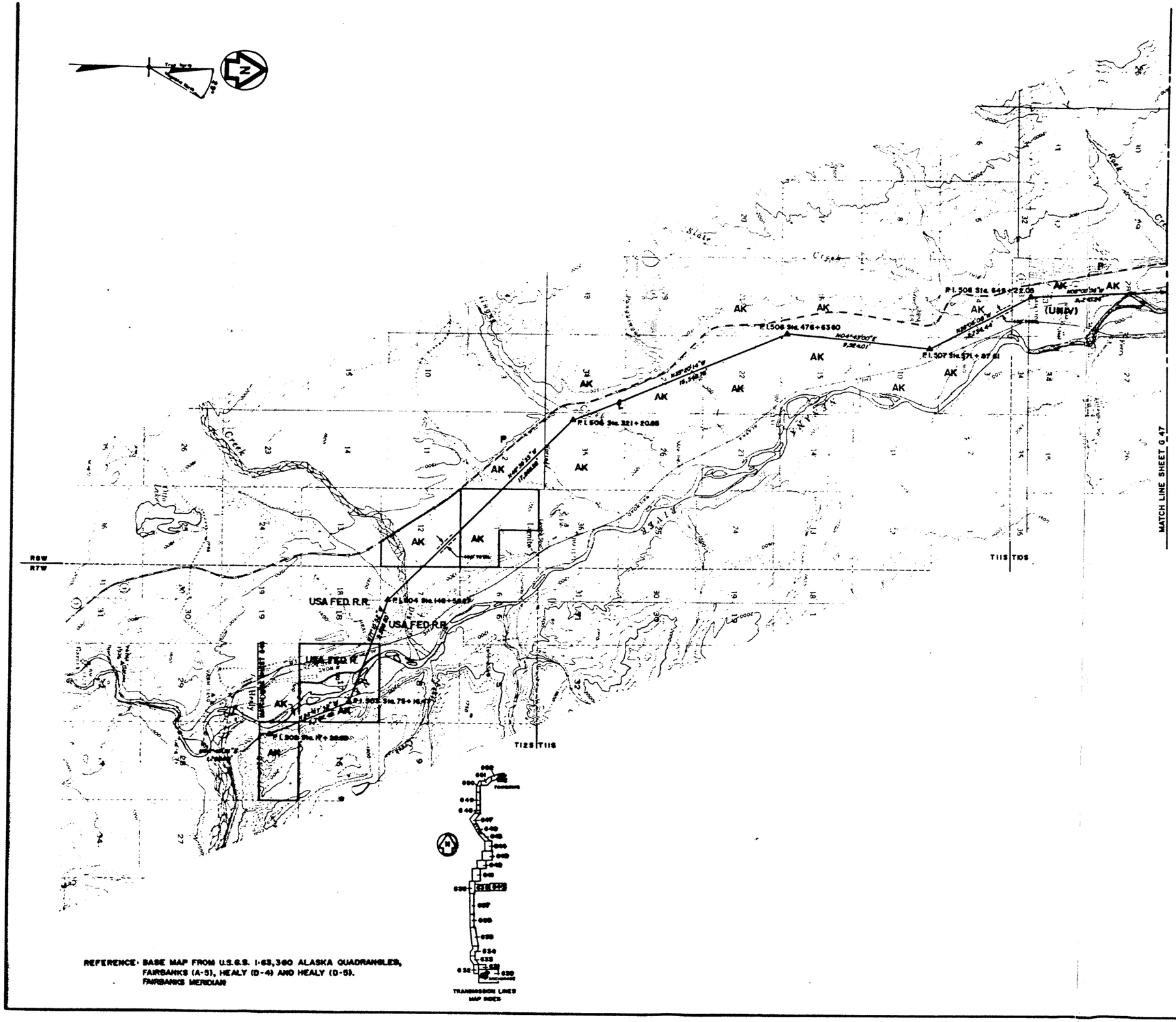
LANDS WITHIN THE TRANSMISSION CORRIDOR INDICATED ON THIS SHEET HAVE BEEN ACQUIRED BY THE ALASKA POWER AUTHORITY. THE LINE SHOWN WILL BE CONSTRUCTED IN 1985.

THIS SHEET IS COMPOSED OF U.S.G.S. QUADRANGLE: HEALY (D-4) FAIRBANKS MERIDIAN

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

TRANSMISSION LINE PROJECT BOUNDARY

EXHIBIT G | PLATE G 45



REFERENCE- BASE MAP FROM U.S.G.S. 1:63,360 ALASKA QUADRANGLES, FAIRBANKS (A-5), HEALY (D-4) AND HEALY (D-5). FAIRBANKS MERIDIAN

NOTES

1. NO SURVEY WAS PERFORMED PRIOR TO THE PREPARATION OF THIS MAP. TOWNSHIP CORNER POSITIONS WERE DETERMINED BY COORDINATING RECORD BUREAU OF LAND MANAGEMENT (B.L.M.) SURVEY PLATS FOR THE ASSOCIATED TOWNSHIPS. WHERE NO RECORD PLAT EXISTED, POSITIONS WERE DETERMINED FROM THE OFFICIAL B.L.M. PROTRACTION DIAGRAM. POSITIONS FOR THE TRANSMISSION LINE P.I.'S WERE DETERMINED BY DIGITIZING SCALED POINTS ON THE RESPECTIVE U.S.G.S. QUADRANGLE MAPS ORIENTATED TO THE COMPUTED TOWNSHIP CORNER POSITIONS.
2. ALL DIMENSIONS, COORDINATES AND STATIONING SHOWN ARE BASED ON THE ALASKA STATE PLANE COORDINATE SYSTEM ZONE 4 GRID.

P.I. #	NORTHING	EASTING
502	3605011.08	670485.38
503	3610327.11	668197.34
504	3612683.37	661250.22
505	3624753.38	648900.38
506	3639024.58	642743.28
507	3648516.35	643526.44
508	3655338.97	639883.17
P.I. #	NORTHING	EASTING

LAND OWNERSHIP SCHEDULE

USA-BLM	– BUREAU OF LAND MANAGEMENT
AK	– STATE OF ALASKA
CIRI	– COOK INLET REGION, INC.
US ARMY	– UNITED STATES ARMY
USAF	– UNITED STATES AIR FORCE
USA FED. R.R.	– UNITED STATES FEDERAL RAILROAD
P	– PRIVATE

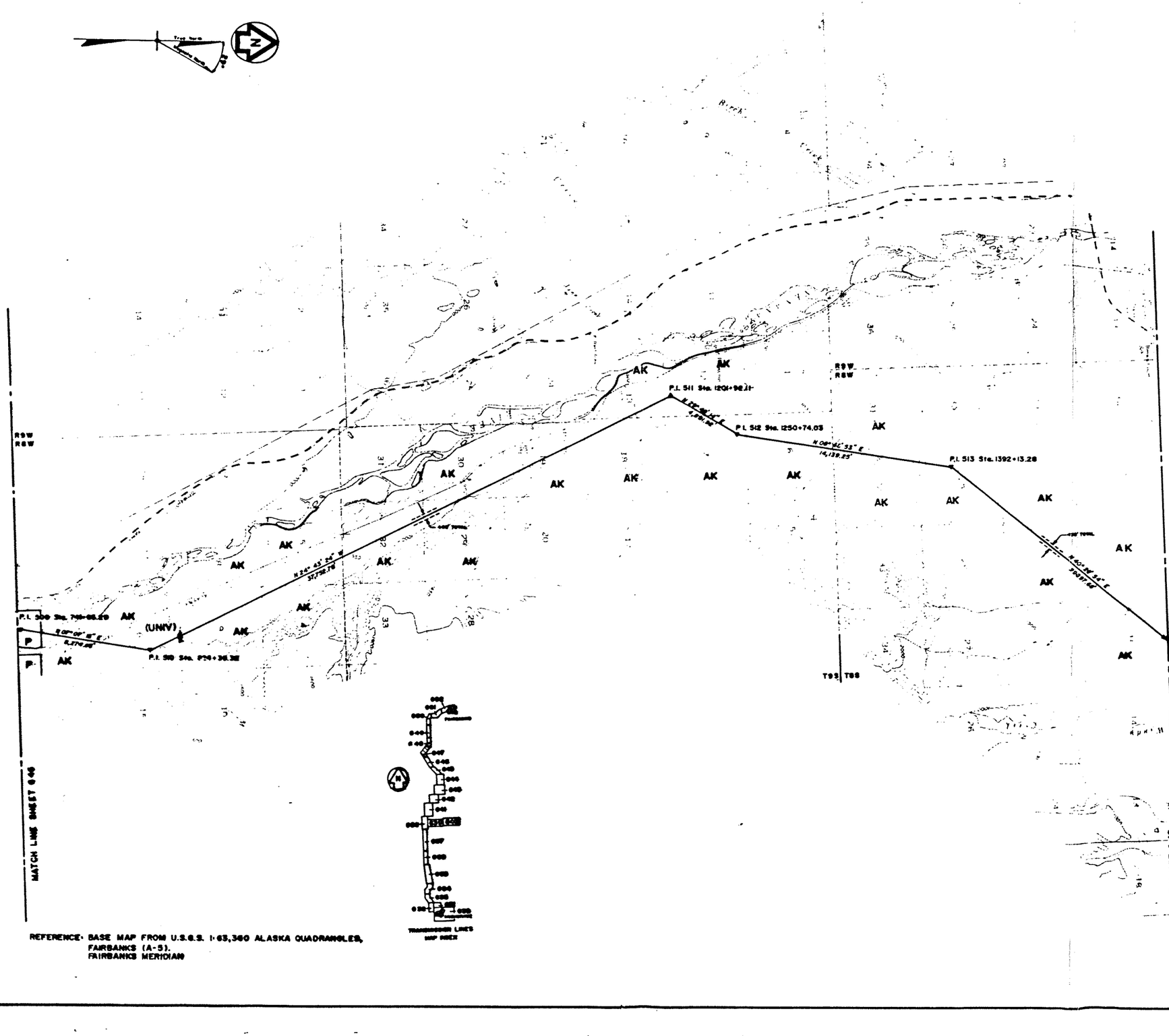
NOTE: ALL LAND OWNERSHIP BY SECTIONS UNLESS OTHERWISE SHOWN

SCALE 0 1 MILE
Scale 1" = .5 mi.

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

TRANSMISSION LINE PROJECT BOUNDARY

EXHIBIT G | PLATE G 46



REFERENCE: BASE MAP FROM U.S.G.S. 1:63,360 ALASKA QUADRANGLES, FAIRBANKS (A-5), FAIRBANKS MERIDIAN

NOTES

1. NO SURVEY WAS PERFORMED PRIOR TO THE PREPARATION OF THIS MAP. TOWNSHIP CORNER POSITIONS WERE DETERMINED BY COORDINATING RECORD BUREAU OF LAND MANAGEMENT (B.L.M.) SURVEY PLATS FOR THE ASSOCIATED TOWNSHIPS. WHERE NO RECORD PLAT EXISTED, POSITIONS WERE DETERMINED FROM THE OFFICIAL B.L.M. PROTRACTION DIAGRAM. POSITIONS FOR THE TRANSMISSION LINE P.I.'S WERE DETERMINED BY DIGITIZING SCALED POINTS ON THE RESPECTIVE U.S.G.S. QUADRANGLE MAPS ORIENTATED TO THE COMPUTED TOWNSHIP CORNER POSITIONS.
2. ALL DIMENSIONS, COORDINATES AND STATIONING SHOWN ARE BASED ON THE ALASKA STATE PLANE COORDINATE SYSTEM ZONE 4 GRID.

P.T. #	NORTHING	EASTING
509	3664568.25	638375.43
510	3672778.48	640401.01
511	3707070.76	624611.40
512	3711306.25	627039.11
513	3725244.14	629416.88
P.T.#	NORTHING	EASTING

LAND OWNERSHIP SCHEDULE

USA-BLM	– BUREAU OF LAND MANAGEMENT
AK	– STATE OF ALASKA
CIRI	– COOK INLET REGION, INC.
US ARMY	– UNITED STATES ARMY
USAF	– UNITED STATES AIR FORCE
MAT-SU	– MATANUSKA-SUSITNA BOROUGH
M OF ANC	– MUNICIPALITY OF ANCHORAGE

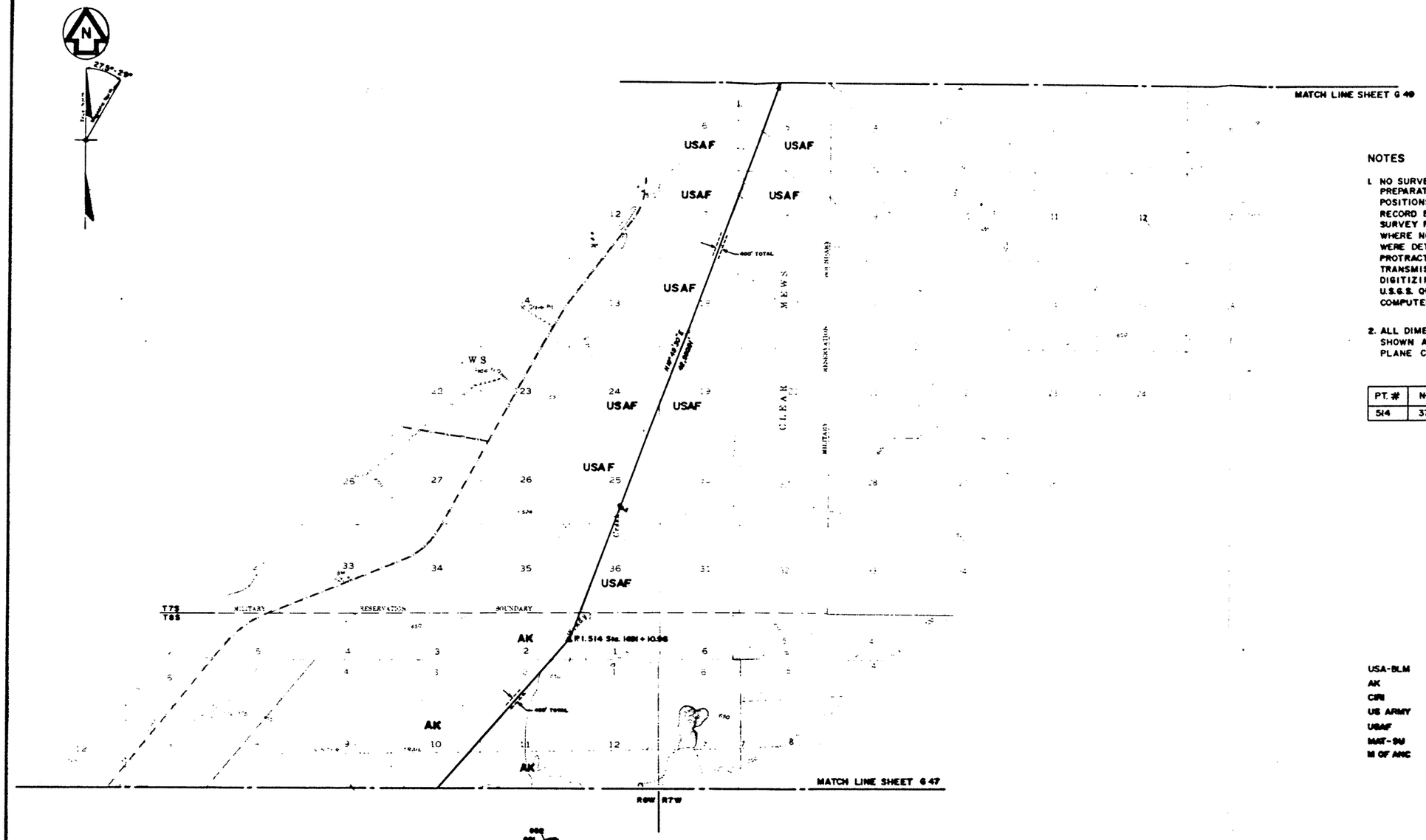
NOTE: ALL LAND OWNERSHIP BY SECTIONS UNLESS OTHERWISE SHOWN

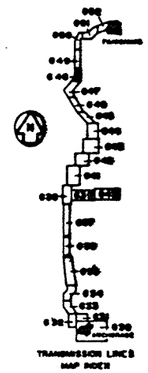
SCALE 0 1 MILE
Scale-1" = .5 mi.

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

TRANSMISSION LINE PROJECT BOUNDARY

EXHIBIT G | PLATE G47





REFERENCE: BASE MAP FROM U.S.G.S. 1:63,360 ALASKA QUADRANGLES, FAIRBANKS (A-4), FAIRBANKS (A-5), FAIRBANKS (B-4), AND FAIRBANKS (B-5). FAIRBANKS MERIDIAN

NOTES

1. NO SURVEY WAS PERFORMED PRIOR TO THE PREPARATION OF THIS MAP. TOWNSHIP CORNER POSITIONS WERE DETERMINED BY COORDINATING RECORD BUREAU OF LAND MANAGEMENT (B.L.M.) SURVEY PLATS FOR THE ASSOCIATED TOWNSHIPS. WHERE NO RECORD PLAT EXISTED, POSITIONS WERE DETERMINED FROM THE OFFICIAL B.L.M. PROTRACTION DIAGRAM. POSITIONS FOR THE TRANSMISSION LINE P.I.'S WERE DETERMINED BY DIGITIZING SCALED POINTS ON THE RESPECTIVE U.S.G.S. QUADRANGLE MAPS ORIENTATED TO THE COMPUTED TOWNSHIP CORNER POSITIONS.

2. ALL DIMENSIONS, COORDINATES AND STATIONING SHOWN ARE BASED ON THE ALASKA STATE PLANE COORDINATE SYSTEM ZONE 4 GRID.

PT. #	NORTHING	EASTING
514	3747984.70	648826.61

LAND OWNERSHIP SCHEDULE

USA-BLM	– BUREAU OF LAND MANAGEMENT
AK	– STATE OF ALASKA
CIRI	– COOK INLET REGION, INC.
US ARMY	– UNITED STATES ARMY
USAF	– UNITED STATES AIR FORCE
MAT-SU	– MATANUSKA-SUSITNA BOROUGH
M OF ANC	– MUNICIPALITY OF ANCHORAGE

NOTE: ALL LAND OWNERSHIP BY SECTIONS UNLESS OTHERWISE SHOWN

SCALE 0 1 MILE

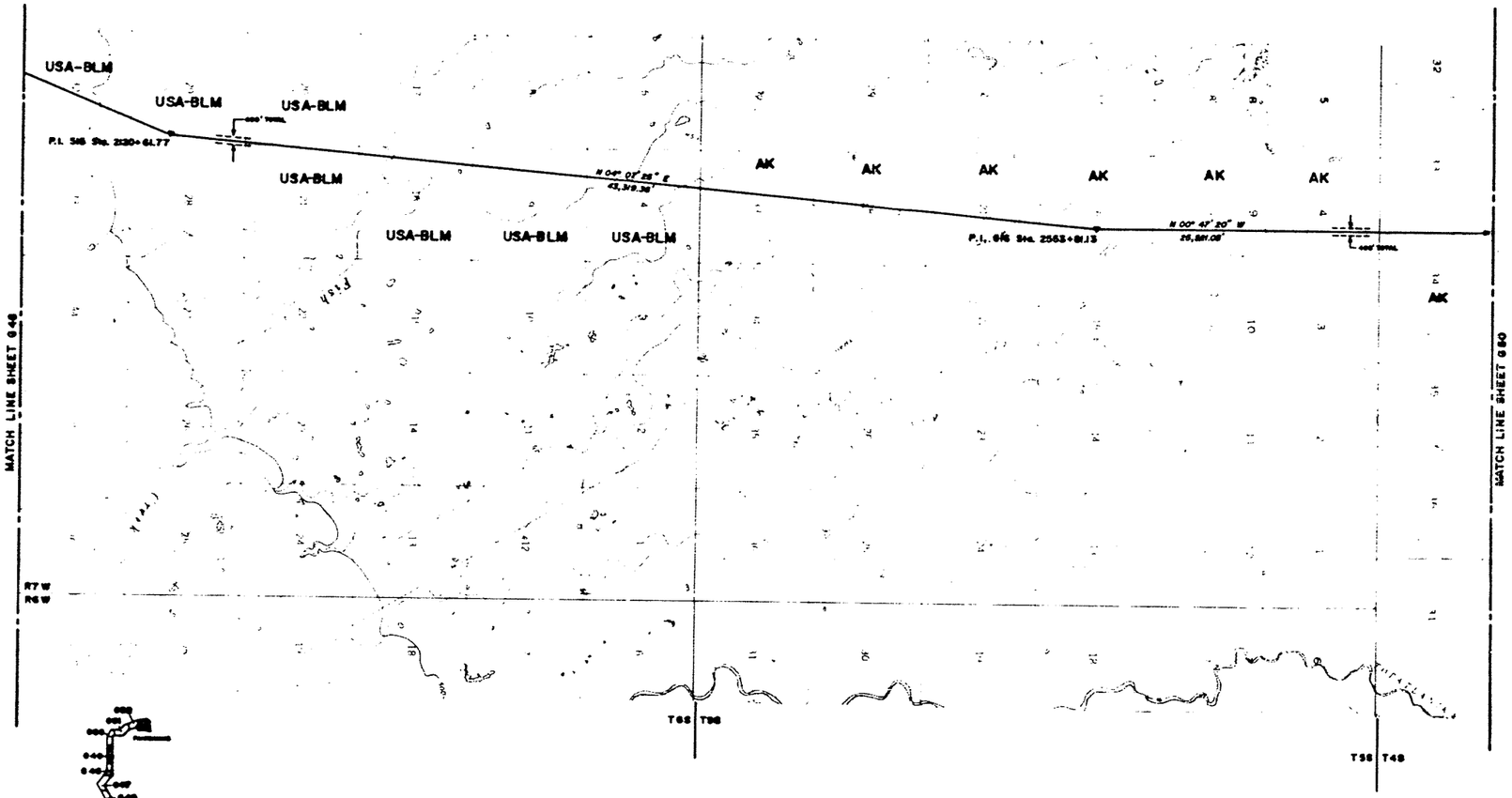
Scale: 1" = .5 mi.

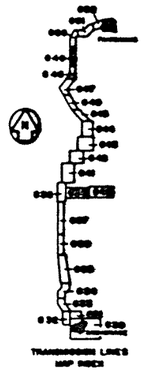
ALASKA POWER AUTHORITY

SUSITNA HYDROELECTRIC PROJECT

TRANSMISSION LINE PROJECT BOUNDARY

EXHIBIT G | PLATE G48





REFERENCE: BASE MAP FROM U.S.G.S. 1:63,360 ALASKA QUADRANGLES, FAIRBANKS (B-4) AND FAIRBANKS (C-4), FAIRBANKS MERIDIAN

NOTES

1. NO SURVEY WAS PERFORMED PRIOR TO THE PREPARATION OF THIS MAP. TOWNSHIP CORNER POSITIONS WERE DETERMINED BY COORDINATING RECORD BUREAU OF LAND MANAGEMENT (BLM) SURVEY PLATS FOR THE ASSOCIATED TOWNSHIPS. WHERE NO RECORD PLAT EXISTED, POSITIONS WERE DETERMINED FROM THE OFFICIAL B.L.M. PROTRACTION DIAGRAM. POSITIONS FOR THE TRANSMISSION LINE P.I.'S WERE DETERMINED BY DIGITIZING SCALED POINTS ON THE RESPECTIVE U.S.G.S. QUADRANGLE MAPS ORIENTATED TO THE COMPUTED TOWNSHIP CORNER POSITIONS.

2. ALL DIMENSIONS, COORDINATES AND STATIONING SHOWN ARE BASED ON THE ALASKA STATE PLANE COORDINATE SYSTEM ZONE 4 GRID.

PT. #	NORTHING	EASTING
515	3786389.93	663393.35
516	3831597.14	666508.38
PT. #	NORTHING	EASTING

LAND OWNERSHIP SCHEDULE

USA-BLM	– BUREAU OF LAND MANAGEMENT
AK	– STATE OF ALASKA
CIRI	– COOK INLET REGION, INC.
US ARMY	– UNITED STATES ARMY
USAF	– UNITED STATES AIR FORCE
MAT-SU	– MATANUSKA-SUSITNA BOROUGH
M OF ANC	– MUNICIPALITY OF ANCHORAGE

NOTE: ALL LAND OWNERSHIP BY SECTIONS UNLESS OTHERWISE SHOWN

SCALE 0 1 MILE

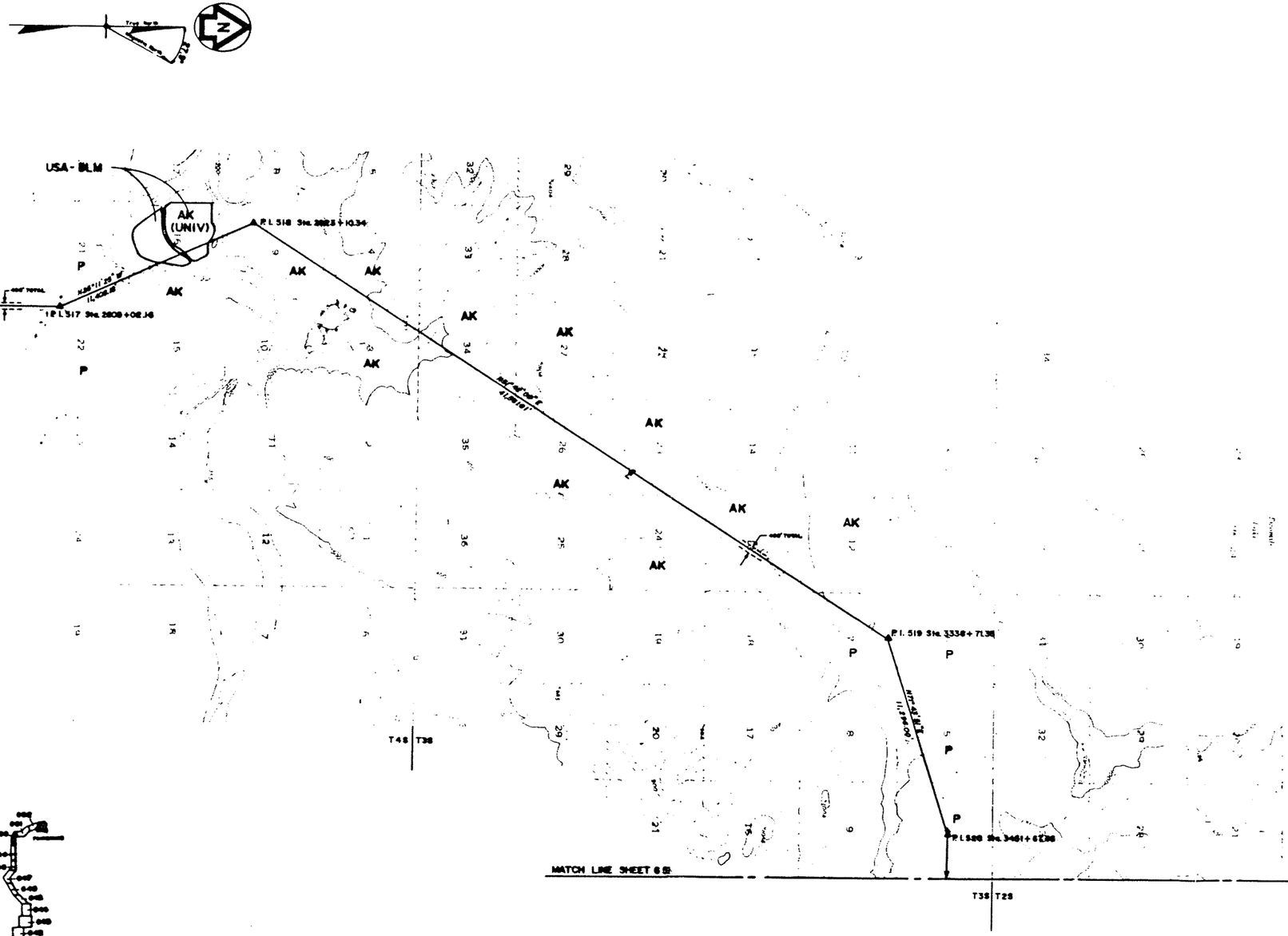
Scale: 1"=.5 mi.

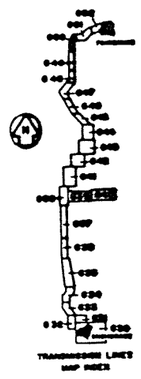
ALASKA POWER AUTHORITY

SUSITNA HYDROELECTRIC PROJECT

TRANSMISSION LINE PROJECT BOUNDARY

EXHIBIT E | PLATE G 49





REFERENCE: BASE MAP FROM U.S.G.S. 1:63,360 ALASKA QUADRANGLE, FAIRBANKS (C-4) FAIRBANKS MERIDIAN

NOTES

1. NO SURVEY WAS PERFORMED PRIOR TO THE PREPARATION OF THIS MAP. TOWNSHIP CORNER POSITIONS WERE DETERMINED BY COORDINATING RECORD BUREAU OF LAND MANAGEMENT (B.L.M.) SURVEY PLATS FOR THE ASSOCIATED TOWNSHIPS. WHERE NO RECORD PLAT EXISTED, POSITIONS WERE DETERMINED FROM THE OFFICIAL B.L.M. PROTRACTION DIAGRAM. POSITIONS FOR THE TRANSMISSION LINE P.I.'S WERE DETERMINED BY DIGITIZING SCALED POINTS ON THE RESPECTIVE U.S.G.S. QUADRANGLE MAPS ORIENTATED TO THE COMPUTED TOWNSHIP CORNER POSITIONS.

2. ALL DIMENSIONS, COORDINATES AND STATIONING SHOWN ARE BASED ON THE ALASKA STATE PLANE COORDINATE SYSTEM ZONE 4 GRID.

PT. #	NORTHING	EASTING
517	3857115.76	666157.03
518	3867439.01	661301.42
519	3902799.63	683140.48
520	3906340.69	693867.10
PT. #	NORTHING	EASTING

LAND OWNERSHIP SCHEDULE

USA-BLM	– BUREAU OF LAND MANAGEMENT
AK	– STATE OF ALASKA
CIRI	– COOK INLET REGION, INC.
US ARMY	– UNITED STATES ARMY
USAF	– UNITED STATES AIR FORCE
P	– PRIVATE
M OF ANC	– MUNICIPALITY OF ANCHORAGE

NOTE: ALL LAND OWNERSHIP BY SECTIONS UNLESS OTHERWISE SHOWN

SCALE 0 1 MILE

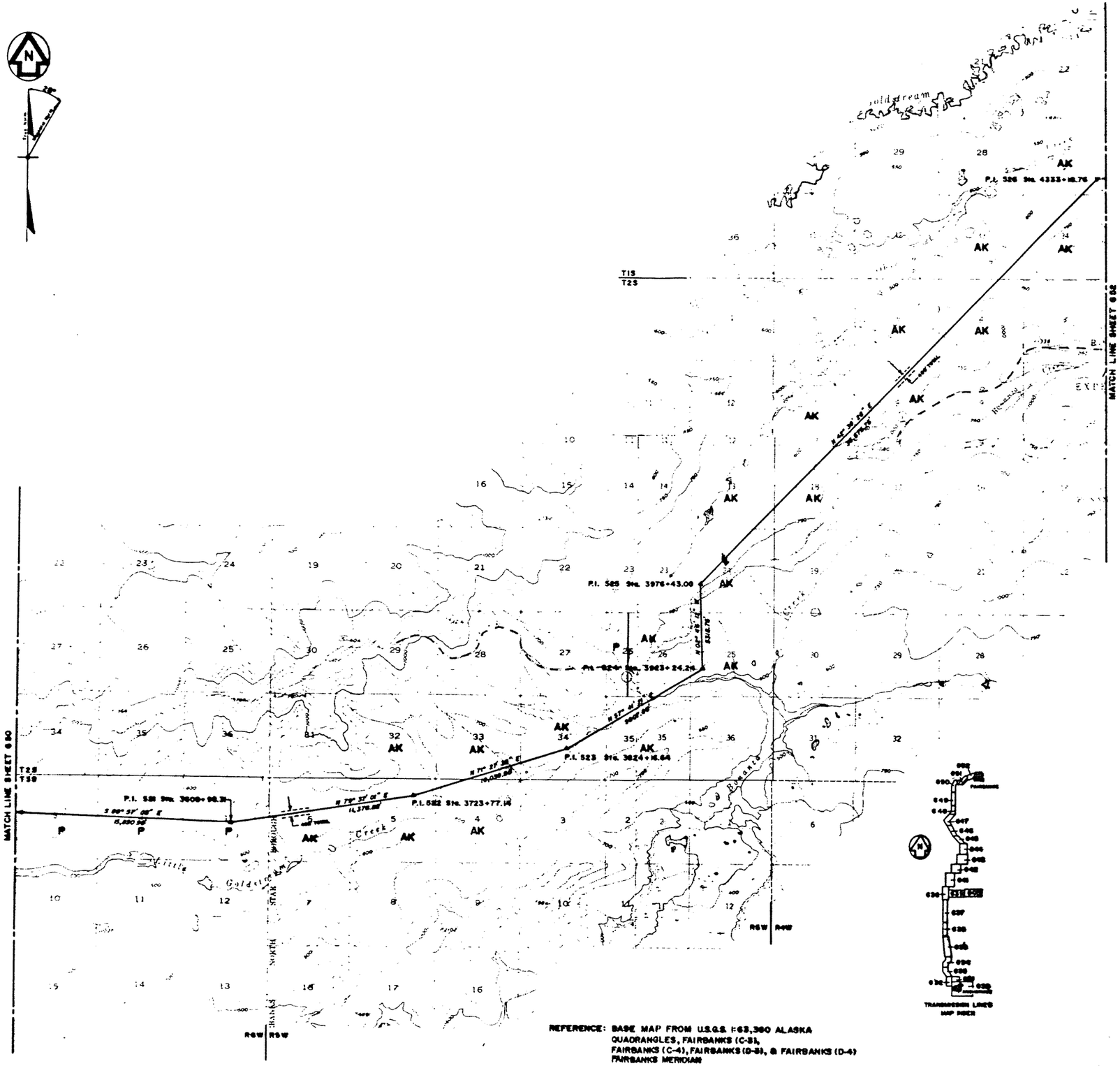
Scale: 1" = .5 mi.

ALASKA POWER AUTHORITY

SUSITNA HYDROELECTRIC PROJECT

TRANSMISSION LINE PROJECT BOUNDARY

EXHIBIT 6 | PLATE G50



NOTES

1. NO SURVEY WAS PERFORMED PRIOR TO THE PREPARATION OF THIS MAP. TOWNSHIP CORNER POSITIONS WERE DETERMINED BY COORDINATING RECORD BUREAU OF LAND MANAGEMENT (B.L.M.) SURVEY PLATS FOR THE ASSOCIATED TOWNSHIPS. WHERE NO RECORD PLAT EXISTED, POSITIONS WERE DETERMINED FROM THE OFFICIAL B.L.M. PROTRACTION DIAGRAM. POSITIONS FOR THE TRANSMISSION LINE P.I.'S WERE DETERMINED BY DIGITIZING SCALED POINTS ON THE RESPECTIVE U.S.G.S. QUADRANGLE MAPS ORIENTATED TO THE COMPUTED TOWNSHIP CORNER POSITIONS.

2. ALL DIMENSIONS, COORDINATES AND STATIONING SHOWN ARE BASED ON THE ALASKA STATE PLANE COORDINATE SYSTEM ZONE 4 GRID.

PT. no.	NORTHING	EASTING
521	3906327.07	709698.06
522	3908377.87	720890.56
523	3911570.22	730408.98
524	3916865.96	738782.50
525	3922178.50	738525.46
526	3948414.96	762699.98
PT. no.	NORTHING	EASTING

LAND OWNERSHIP SCHEDULE

USA-BLM	– BUREAU OF LAND MANAGEMENT
AK	– STATE OF ALASKA
CIRI	– COOK INLET REGION, INC.
US ARMY	– UNITED STATES ARMY
USAF	– UNITED STATES AIR FORCE
MAT-SU	– MATANUSKA-SUSITNA BOROUGH
P	– PRIVATE

NOTE: ALL LAND OWNERSHIP BY SECTIONS UNLESS OTHERWISE SHOWN

SCALE 0 1 MILE

Scale: 1" = 1 mi.

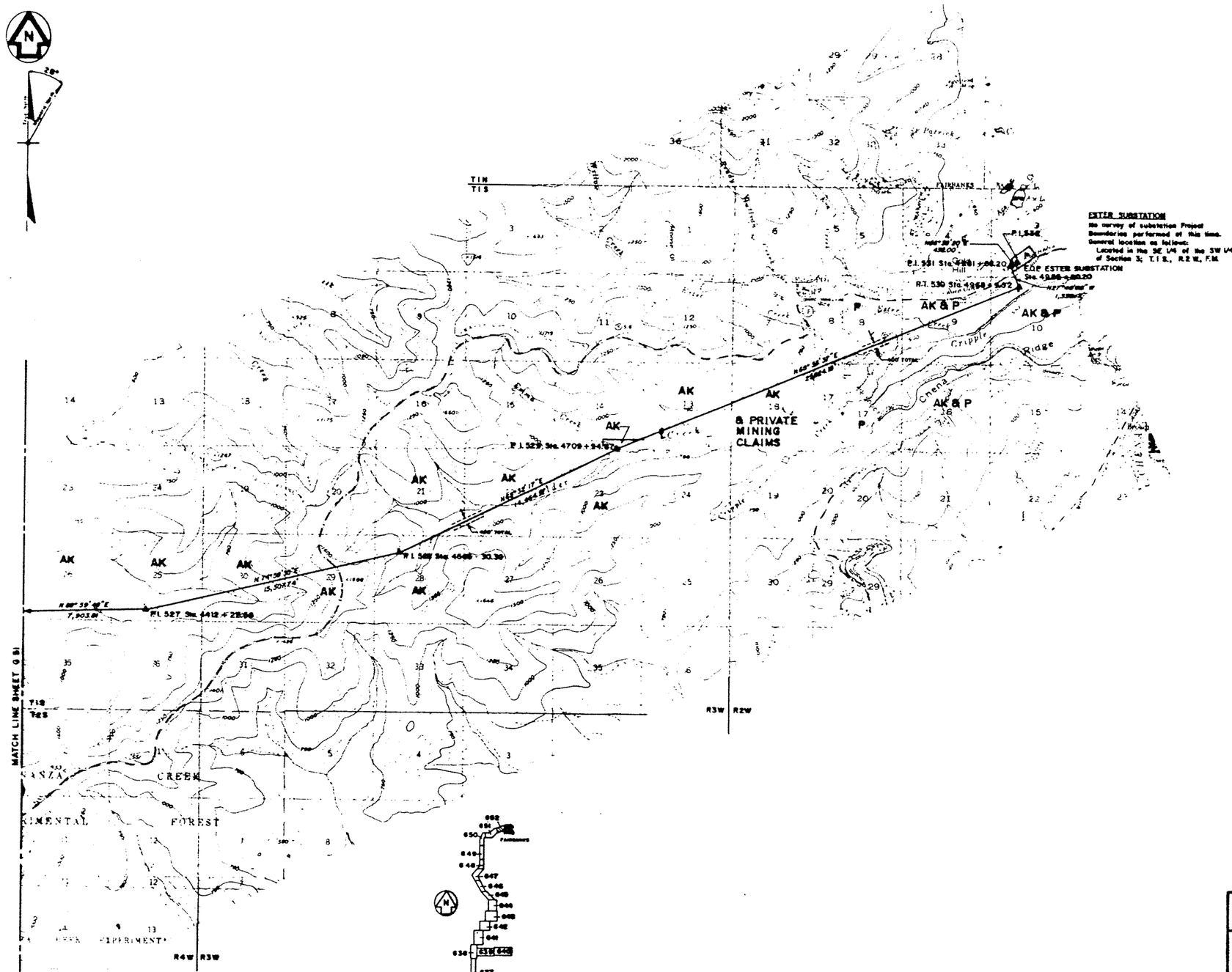
REFERENCE: BASE MAP FROM U.S.G.S. 1:63,360 ALASKA QUADRANGLES, FAIRBANKS (C-3), FAIRBANKS (C-4), FAIRBANKS (D-3), & FAIRBANKS (D-4) FAIRBANKS MERIDIAN

ALASKA POWER AUTHORITY

SUSITNA HYDROELECTRIC PROJECT

TRANSMISSION LINE PROJECT BOUNDARY

EXHIBIT G | PLATE G 51



REFERENCE: BASE MAP FROM U.S.G.S. 1:63,360 ALASKA QUADRANGLES, FAIRBANKS (D-2) & FAIRBANKS (D-3), FAIRBANKS MERIDIAN

NOTES

1. NO SURVEY WAS PERFORMED PRIOR TO THE PREPARATION OF THIS MAP. TOWNSHIP CORNER POSITIONS WERE DETERMINED BY COORDINATING RECORD BUREAU OF LAND MANAGEMENT (B.L.M.) SURVEY PLATS FOR THE ASSOCIATED TOWNSHIPS. WHERE NO RECORD PLAT EXISTED, POSITIONS WERE DETERMINED FROM THE OFFICIAL B.L.M. PROTRACTION DIAGRAM. POSITIONS FOR THE TRANSMISSION LINE P.I.'S WERE DETERMINED BY DIGITIZING SCALED POINTS ON THE RESPECTIVE U.S.G.S. QUADRANGLE MAPS ORIENTATED TO THE COMPUTED TOWNSHIP CORNER POSITIONS.

2. ALL DIMENSIONS, COORDINATES AND STATIONING SHOWN ARE BASED ON THE ALASKA STATE PLANE COORDINATE SYSTEM ZONE 4 GRID.

P.I. #	NORTHING	EASTING
527	3948415.41	770603.79
528	3952383.44	785388.29
529	3959053.90	798222.96
530	3969738.33	821733.17
531	3970922.91	821108.54
532	3971160.00	821469.36
P.I. #	NORTHING	EASTING

LAND OWNERSHIP SCHEDULE

USA-BLM	– BUREAU OF LAND MANAGEMENT
AK	– STATE OF ALASKA
CIRI	– COOK INLET REGION, INC.
US ARMY	– UNITED STATES ARMY
USAF	– UNITED STATES AIR FORCE
MAT-SU	– MATANUSKA-SUSITNA BOROUGH
M OF ANC	– MUNICIPALITY OF ANCHORAGE
P	– PRIVATE

NOTE: ALL LAND OWNERSHIP BY SECTIONS UNLESS OTHERWISE SHOWN

SCALE 0 1 MILE

Scale: 1" = .5 mi.

ALASKA POWER AUTHORITY

SUSITNA HYDROELECTRIC PROJECT

TRANSMISSION LINE PROJECT BOUNDARY

EXHIBIT G | PLATE G 52

17. EXHIBIT B

Item 17 (3)

A description of the assumptions embedded in the above methodologies specifically including but not limited to:

A. The studies which were examined to determined elasticities of demand.

B. The rationale for the particular values chosen in the range of elasticity values examined.

Response

See RED Technical Documentation Report, Chapter 7.

17. EXHIBIT B

Item 17(7)

A more complete explanation of the methodology used to generate the future electricity prices used in the demand forecasts.

Response

See RED Technical Documentation Report, MAP Documentation Report, and Revised License Application, Exhibit B, Volume 2A, Chapter 5, Sections 5.2, 5.3, and 5.4.

17. EXHIBIT B

Item 17(9)

A sensitivity analysis of explanatory variables and model assumptions including those that drive the MAP model's economic and population projections.

Response

See MAP and RED Technical Documentation Reports and Revised License Application, Exhibit B, Volume 2A, Chapter 5, Sections 5.3 and 5.4.

17. EXHIBIT B

Item 17(10)

The hourly loads for the combined Susitna market area for the most recent available year.

Response

See License Application, Exhibit B, Volume 2A Chapter 5 Section 5.2(b) and Figure B.80.

NEED FOR POWER

17. EXHIBIT B

Item 18(1)

Provide a description of the Alaska Residential Conservation Survey Audits and a description of how this survey has been used.

Response

ON NEXT SHEETS

Description of Alaska Residential Conservation Survey Audits and Use of Survey

The Alaska Residential Conservation Survey Audits are an important part of the State of Alaska's energy conservation program. The Division of Energy and Power Development (DEPD) of the Department of Commerce and Economic Development has been responsible for implementing the home energy audits.

The DEPD program is currently being phased out, except for low income family assistance, particularly in the Bush Communities. Even in those communities, only 13% of the homes will be treated (at a cost of $2000/house) in the next 3 years. Educational efforts, however, will continue. If programs are constructed for the future, they will be directed at fossil fuel conservation, particularly in the remote areas.

(1) Training of energy auditors;

(2) Performance of residential energy audits, which are physical inspections including measurements of heat loss, upon request*

(3) Providing grants of up to $300/household, or loans, for energy conservation improvements based upon the audit;

(4) Providing retrofit (e.g. insulation, weatherization) for low income homes.

The key to the program is the audit, which is performed by private contractors. The forms employed are designed to show savings that can be achieved in the first year, the seventh year, and the tenth year after energy conservation measures have been implemented. The savings demonstrated provide the basis for qualifying for a grant or loan. The audits focus on major conservation opportunities such as insulation and reduction of infiltration (e.g., by weather stripping, caulking, and storm window application).

The DEPD program, overall, achieved a significant level of penetration into the conservation marketplace, as is shown in Table 1. Penetraton in the state as a whole achieved 24%; and in the combined load centers of Anchorage and Fairbanks it also achieved 24%. Market penetration is computed by taking the ratio of audits relative to the total number of homes in various regions. Kenai Peninsula, Anchorage, Matanuska-Susitna, Fairbanks, Southeast Fairbanks, and regional total. It is useful to note that the audit progrm was more effective in high cost energy areas (e.g., Fairbanks) indicting that public participation was based upon market forces at least to some extent.

The effects of this program was included in the formulation of end-use consumption and fuel mode splits used in the RED Residential Module.

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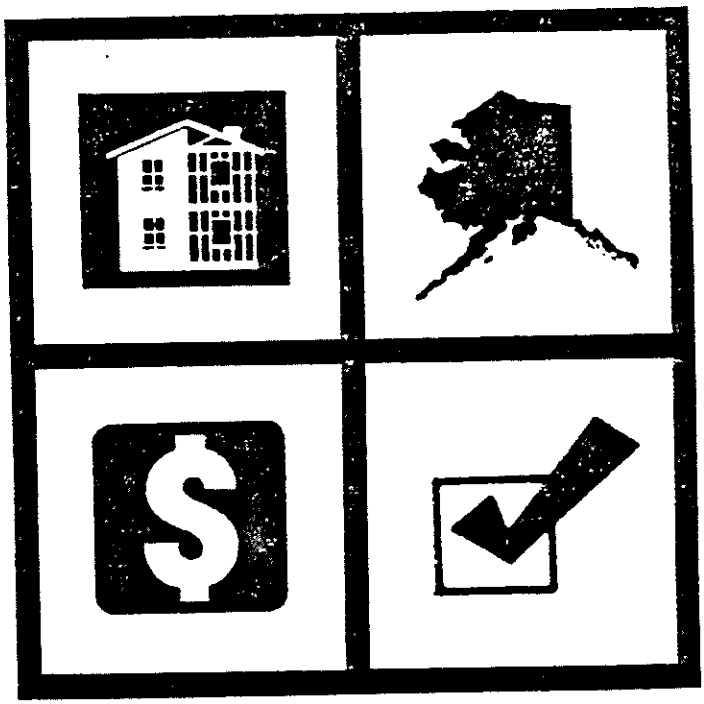
* The state is charged for a portion of the cost of the audit, on a sliding scale, depending upon location in the state. The homeowner pays the difference between that price and the market price.

TABLE 1: MARKET PENETRATION OF THE DEPD AUDIT PROGRAM AS OF 1983

COMMUNITY REGION	HOMES	AUDITS	MARKET PRODUCTION (%)
Kenai Peninsula	11,740	2,659	22.6
Anchorage	70,363	16,297	23.2
Matanuska-Susitna	10,198	2,801	17.7
Fairbanks	22,708	6,202	27.3
Southeast Fairbanks	2,490	734	29.5
Total	162,825	39,188	24.1

Source: Department of Commerce and Economic Development, Division of Energy and Power Development. 1983 Long Term Energy Plan, Appendix S, 1983.

ALASKA RESIDENTIAL ENERGY CONSERVATION PROGRAM



Department of Commerce and Economic Development
Division of Energy & Power Development
Box 3535
Anchorage, Alaska 99510
276-0512

17-18(1)-5



ALASKA RESIDENTIAL ENERGY CONSERVATION PROGRAM

In July, 1980, the Alaska Legislature enacted a comprehensive energy act, SB 438. Included in the provisions of the act is the establishment of a Residential Energy Conservation Program. The Program provides for State-financed energy audits of residences with grants/refunds and low-interest loans for the homeowner to implement the energy saving improvements recommended by the audit.



ENERGY AUDIT

A home energy audit approved by the State of Alaska must be made before an energy conservation grant/refund or loan can be made. An energy audit is a site visit to the home in which an inspection of the building is made to determine its energy consumption characteristics. The audit would include a calculation of the building's heat loss and recommended energy conservation measures with calculated energy cost savings attributed to the energy improvements.

State of Alaska Financed Audits



The Division of Energy and Power Development has developed a program that will provide for State financed energy audits for Alaskans upon request. The Division of Energy has contracted with specially trained and certified auditors to participate in the State-financed Residential Audit Program. Only those auditors under contract with the Division of Energy will be able to perform audits under the program.

A person requesting an energy audit is only required to pay a $10 fee to the auditor for the audit. The State will pay the balance of the real cost of the audit when the audit has been performed under a contract and by a State certified auditor. The audit will include a site visit of the home and an analysis of the energy consumption characteristics of the residence. Recommended energy conservation and calculations of the energy cost savings will be provided.

Persons requesting an audit should contact a State contractor. Current lists of contractors for energy audits are available from the Division of Energy and Power Development.



ENERGY CONSERVATION GRANT/REFUND

The Division of Energy and Power Development will make refunds or grants for the purchase and installation of energy-saving improvements that are recommended by an approved audit and shown to pay for themselves in seven years or less in energy savings. The refund or grant is for an amount up to $300 for a single-family dwelling and $200 for each unit in qualifying multi-family dwellings. A refund will be made for those who wish to purchase the recommended energy-saving measures immediately. A grant is applied for in the case where one is willing to wait for or is not capable of purchasing the material. For a grant you would obtain an estimate for the required materials from a vendor and submit the estimate with your application. Applications for refunds and grants will be provided by the auditor.



ENERGY CONSERVATION LOANS

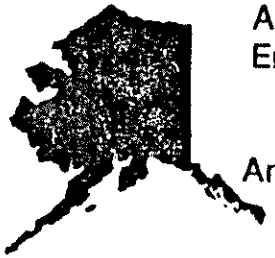
Individuals who have received an approved audit of their home may also qualify for a 5% interest loan up to $5,000 for energy conservation improvements that the energy audit shows to have a payback of less than ten years. The Division of Business Loans administers the program.

To apply, contact the Division of Business Loans:

Anchorage: 2600 Denali Street, Suite 401
Anchorage, Alaska 99501
PH: (907) 274-6693

Fairbanks: 675 7th Avenue
Fairbanks, Alaska 99701
PH: (907) 452-8182

Juneau:
Pouch "D"
Juneau, Alaska 99811
PH: (907) 465-2510



Alaska Division of
Energy and Power
Development
P.O. Box 3535
Anchorage, Alaska
99510

17-18(1)-8

STATE OF ALASKA
DIVISION OF ENERGY & POWER DEVELOPMENT

ENERGY AUDITS
BY
ELECTION DISTRICT *
STATE-WIDE
SUMMARY PAGE

ELECTION DISTRICT	TOTAL # OF HOMES	TOTAL # OF AUDITS
1	6,808	1,330
2	3,675	759
3	3,128	1,004
4	7,656	1,775
5	11,740	1,909
6	3,263	718
7-15	70,363	12,370
16	10,098	2,614
17	2,490	680
18-21	22,708	5,260
22	2,644	775
23	3,781	988
24	2,401	1,295
25	2,802	389
26	3,061	860
27	3,719	604
TOTAL:	162,825	33,330

*Information as of June 30, 1982

9/15/82
md

STATE OF ALASKA
DIVISION OF ENERGY & POWER DEVELOPMENT

ENERGY AUDITS
BY
ELECTION DISTRICT
STATE-WIDE

Election District 1 COMMUNITY	TOTAL # OF HOMES	TOTAL # OF AUDITS
Ketchikan Gateway Borough	4,431	830
- Clover Pass		
- Herring Cove		
- Ketchikan City		
- Ketchikan East		
- Florina		
- Mountain Point		
- Mud Bay		
- North Tongass Highway		
- Pennock-Gravina		
- Refuge Cove		
- Saxman City		
- Saxman East		
- Port Higgins		
- Ward Cove		
Annette	35	1
Hyder	29	
Kupreanof	26	
Metlakatla	286	106
Meyer's Chuck	21	19
Petersburg	1,074	238
- Scow Bay		
Wrangell	906	136
TOTAL	6,808	1,330

Election District 2		
Angoon	132	79
Cape Pole	4	0
Chilkat	N/I	0
Coffman Cove	62	0
Cordova	885	75
Craig	199	126
Eyak	14	0
Gustavus	45	25
Haines & Environs	743	270
Hollis	N/I	2

Hydaburg		122	42
Kake		181	10
Kasaan		9	9
Klawock		79	11
Klukwan		40	2
LaBouchere		N/I	0
Malaspina		N/I	0
Naukiti		N/I	0
Peninsula		N/I	0
Point Baker		45	39
Port Alice		N/I	0
Rowan Bay		N/I	17
Skagway & Environs		607	61
Thorne Bay		N/I	0
Whale Pass		25	0
Yakutat		783	0
	TOTAL	3,675	759

Election District 3

Elfin Cove		13	1
Hoonah		183	39
Pelican		80	63
Port Alexander		51	
Sitka		2,694	853
- Freshwater Bay			
- Halibut Point			
- Jamestown Bay			
- Mt. Edgecumbe			
- Port Armstrong			
Tenakee Springs		107	48
	TOTAL	3,128	1,004

Election District 4

Juneau		7,656	1,775
-Auke Bay			
-Douglas/North Douglas			
-Fritz Cove			
-Tee Harbor =			
-Thane			

Election District 5

Kenai Peninsula Borough		11,740	1,909
-Kenai			
-Homer			
-Anchor Point			
-Clam Gulch			
-Diamond Ridge			
-English Bay			
-Kachemak			

-Kalifonsky
-Kasilof
-Ninilchik
-Port Graham
-Salamatof
-Seldovia
-Soldotna
-Sterling
-Tustamena

Election District 6

Cooper Landing	90	21
Hope	43	0
Moose Pass	51	18
Nikiski	431	10
Seward	777	340
Valdez	1,559	312
Whittier	282	0
Tatitlek	30	17
TOTAL	3,263	718

Election District 7-15

Anchorage	70,363	12,370
- Birchwood		
- Bird		
- Bird Creek		
- Chugiak		
- Eagle River		
- Eklutna		
- Girdwood		
- Indian		
- Kern		
- Knik		
- Peter's Creek		
- Rabbit Creek		
- Portage		

Election District 16

Matanuska-Susitna	10,098	2,614
- Big Lake		
- Butte		
- Fishhook		
- Houston		
- Knik/Fairview		
- Lazy Mountain		
- Matanuska		
- Meadow Lakes		
- Palmer		
- Sheep Mountain		

- Susitna
- Sutton
- Chulitna
- Talkeetna
- Trappers Creek
- Wasilla
- Willow

Election District 17

Anderson	142	56
Big Delta	173	0
Cantwell	37	12
Chicken	14	0
Chistochina	15	0
Chitina	19	0
Clear	15	17
Copper Center	157	86
Delta Junction	472	150
Denali Park	41	38
Dot Lake	14	0
Eagle	96	1
Gakona	252	77
Glennallen	234	80
Gulkana	32	0
Healy	188	27
Kenny Lake/Tonsina	57	7
Lake View	N/I	0
McCarthy	15	7
Mentasta	12	1
Nenana	198	16
Northway	81	68
Paxson	12	0
Tanacross	32	14
Tazlina	23	0
Tetlin	27	0
Tok	192	16
Slana	16	6
Usibelli	19	1
TOTAL	2,490	680

Election District 18-21

Fairbanks	22,708	5,260
- Aurora		
- Badger		
- Central		
- Chatanika		
- Chena		
- Circle		
- Eielson/Moose Creek		
- Ester		
- Fort Wainwright		

- Fox
- Geist
- Goldstream
- Harding Lake
- Lemeta
- Livengood
- North Pole
- Pike
- Plack
- Richardson
- Salcha
- Shanly
- Steele Creek
- Steese
- Two Rivers
- University

Election District 22

Ambler	75	71
Anaktuvuk Pass	75	75
Atqasuk	22	0
Barrow	691	0
Browerville	88	0
Buckland	45	0
Deering	47	12
Kaktovik (Barter Island)	60	22
Kiana	107	15
Kivalina	37	43
Kobuk	37	0
Kotzebue	690	195
Noatak	59	88
Noorvik	136	27
Nuiqsut	66	66
Point Hope	137	100
Point Lay	18	0
Selawik	86	0
Shungnak	61	61
Wainwright	107	
TOTAL	2,644	775

Election District 23

Alakanuk	132	5
Brevig Mission	41	0
Chevak	103	30
Diomede	33	0
Elim	48	46
Emmonak	161	0
Gambell	163	157
Golovin	44	0
Hooper Bay	151	120
Kotlik	78	70

Koyuk	48	0
Nome	901 & 500	286
Savoonga	158	50
Scammon Bay	53	60
Shaktoolik	56	0
Sheldon Point	31	0
Shishmaref	86	80
St. Michael	73	12
Stebbins	82	0
Teller	116	
Unalakleet	200	37
- Area	428	
Wales	54	35
White Mountain	41	0
TOTAL	3,781	988

Election District 24

Alatna	156	156
Aniak	126	32
Anvik	39	0
Arctic Village	35	0
Beaver	23	0
Bettles	13	0
Chalkyitsik	29	0
Chuathbaluk	32	0
Crooked Creek	25	0
Fort Yukon	28	50
Fortuna Ledge	82	0
Galena	183	87
Grayling	62	39
Holy Cross	72	55
Hughes	27	0
Huslia	66	45
Kalskag	38	36
Kaltag	67	5
Koyukuk	32	36
Lower Kalskag	59	53
Manley Hot Springs	28	29
McGrath	163	81
Minto	50	0
Mountain Village	119	165
Nikolai	28	0
Nulato	86	56
Pilot Station	41	0
Pitkas Point	24	16
Rampart	14	0
Ruby	92	21
Shageluk	48	14
Sleetmute	10	40
St. Mary's	88	91
Stevens Village	30	0
Stony River	17	16
Takotna	17	27

Tanana	146	50
Tuluksuk	42	49
Tyonek	75	46
Venetie	36	0
TOTAL	2,401	1,295

Election District 25

Akiachak	87	40
Akiak	39	0
Atmauluak	47	29
Bethel & Area	1,486	157
Chefornak	44	24
Eek	80	63
Goodnews Bay	51	0
Kasigluk	75	0
Kipnuk	75	0
Kongiganak	48	1
Kwethluk	105	0
Kwigillingok	66	0
Mekoryuk	61	0
Napakiak	64	0
Napaskiak	64	0
Newtok	30	0
Nightmute	30	38
Nunapitchuk	50	0
Platinum	18	2
Quinhagak	82	0
Toksook Bay	71	35
Tuntutuliak	42	0
Tununak	87	0
TOTAL	2,802	389

Election District 26

Port Heiden	30	0
Sand Point	191	61
South Naknek	43	0
Saint George	40	0
Saint Paul	137	62
Togiak	121	103
Unalaska	323	174
Adak	666	0
Akutan	19	17
Alegnagik	75	12
Atka	22	0
Clarks Point	28	7
Cold Bay	49	0
Dillingham	580	92
Egegik	32	3
Pilot Point	16	0
Ekwok	25	15
False Pass	21	13

Iliamna		22	0
Newhalen		18	51
King Cove		134	38
King Salmon		75	16
Kokhanok/Igiugig		29	0
Koliganek		24	17
Dutch Harbor		N/I	16
Levelock		21	0
Manokotak		60	11
Naknek		103	87
New Stuyahok		65	23
Nikolski		23	19
Nondalton		58	23
Pedro Bay		11	0
	TOTAL	3,061	860

Election District 27:

Kodiak Island Borough		3,557	582
- Kodiak			
- Akhiok			
- Larsen Bay			
- Old Harbor			
- Ouzinkie			
- Port Lions			
Cape Chiniak			
Chigniks		101	0
Ivanof		9	0
Karluk		21	22
Perryville		31	0
	TOTAL	3,719	604

17. EXHIBIT B

Item 18(2)

Provide the BNW Railbelt End Use survey and a description of how it has been used.

Response

See RED Technical Documentation Report Appendix B.

17. Exhibit B

Item 26

The claim of no energy reduction due to retrofitting in the commercial/industrial sectors should be verified. Provide information on the ISER demand model assumptions regarding this claim.

Response

The ISER demand model is no longer used. This item is not applicable.

18. EXHIBIT D

Item 2(c):

Provide the annual cost for the Susitna Project in actual dollars including: (a) escalation of project costs; (b) cost of capital including finance charges and (c) interest during construction. Project annual costs should be presented for all the years included in the life cycle analysis.

Response:

See revised License Application Exhibit D, Table D.10.

18 EXHIBIT D

Item 5: Page 1-11, Section 1.5

Specify allowance for funds used during construction (AFDC).

Response:

See revised License Application Exhibit D, Table D.1.

18. EXHIBIT D

Item 31: Table D.8 and D.9

State interest during construction and provide copies of the references, i.e., Table 1, 5 R.L. 521,
etc.

Response:

See revised License Application Exhibit D,Table D.1 The IDC included in Table D.11 was calculated in the 100% debt financing analysis included in Table D.10.

18. EXHIBIT D

Item 22: Pages 4-25 and 4-26, Section 4.7

Furnish details of the base period coal price estimations of $1.66/mBtu for Beluga, and $1.75/mBtu for Healy. Show details of the residually derived annual escalation rates of 2.6 percent and 1.2 percent during the intervals 1982 to 2000, and 2000 to 2040, respectively.

Response:

See revised License Application Exhibit D, Appendix D-1 for revised fuel prices and residually derived annual escalation rates.

18. EXHIBIT D

Item 26: Page 4-31. Equal Environmental Costs - Provide details on analysis

Response:

The explanation of the subject costs in the application as filed has been expanded over that which was included in the prefiling review. The point of the explanation is that, because the Susitna Project has been studied to the feasibility-level, the costs for mitigation measures have been included as site specific items, whereas for the thermal plan the costs used were general per kilowatt costs not based on a site specific analysis at the feasibility level. Such a detailed study might result in increased costs for the thermal alternative.

18. EXHIBIT D

Item 19: Exhibit D (p. 1-6, section 1.1)

Some estimates should be made of possible escalation in nominal as well as real terms for both direct and indirect costs.

Response

Escalation is shown on Table D-1 of Exhibit D of the revised License Application. This value of escalation will cover both direct and indirect costs. The escalation shown is nominal escalation as real esclation of capital has been assumed to be zero in the present analysis.

18. EXHIBIT D

Item 19: Exhibit D (p.4 - 15)

Provide copies of all input data and all output results of the OGP5 runs and a brief explanation of all data entry for each alternative case study discussed in Section 4.7 and 4.8.

Response:

OGP 6 input and output is provided as Supplemental Attachment 18 - 19(4) for the Reference Case forecast.

18. EXHIBIT D

Item 19: Exhibit D (p. 4 - 17, Section 4.6)

Provide Beluga coal costs assuming commercial development does not take place. Discuss the relative economics of mining coal specifically for electric power generation, and its likelihood under this scenario.

Response:

See revised License Application Exhibit D, Appendix D-1.

18. EXHIBIT D

Item 19: Exhibit D, Pg. 4-18, Section 4.7.

There is currently a disparity between incremental, domestic market, and opportunity (shadow) values of natural gas prices. Quantify the sensitivity of using current incremental prices, assuming escalation will track world prices and eventually equal the international value, in the OGP5 runs.

Response:

See revised License Application Exhibit D, Appendix D-1.

18. EXHIBIT D

Item 19: Exhibit D, Pg. 4-19, Paragraph 2.

If feasible, we would also like to see analysis conducted in nominal terms (including inflation.)

Response:

See revised License Application Exhibit D. OGP6 input and output for nominal runs which served as the basis for the financial analysis are provided in Supplemental Attachment 18 - 19(7).

18. EXHIBIT D

Item 19: Exhibit D, Pg. 4-30.

On IRR - what is IRR for next largest Alaska project (power or non-power)?

Response:

The Power Authority does not customarily determine the internal rate of return for its' projects. The Power Authority bases its economic evaluation on the calculation of costs, benefits, net benefits and benefit/cost ratios. These values for the Susitna Project under the reference case and other recent representative Power Authority projects are as follows:

				Present Worth($1000)			
Project	Installed CapacityMW	Date of Report	Discount Rate%	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Susitna	1620.0	July 1983	3.0	5489.4	7316.0	1826.0	1.3
Tyee	20.0	Dec. 1981	3.0	130.0	139.0	9.0	1.1
Terror Lake	30.0	Dec. 1981	3.0	182.0	277.0	95.0	1.5
Bl. Bear Lake	6.0	Oct. 1981	3.0	57.7	191.4	133.7	3.3
Chester Lake	2.5	June 1983	3.5	20.2	28.7	8.5	1.4
Intertie	----	Nov. 1981	3.0	74.0	115.9	41.9	1.6

18. EXHIBIT D

Item 9: Exhibit D, Pg. 4 - 30

Response: (continued)

of 7 percent for a low and a high TAGS tariff scenario. The average Japanese price was found to be 1.4 times the TAGS low tariff cost and 1.1 times the TAGS high tariff cost.2/

The evaluation of the ANGTS was completed in 1977.3/ The ANGTS project is estimated to cost about $9 billion in 1975 dollars. The evaluation of Net National Economic Benefit (NNEB)4/ of the ANGTS project will produce benefits of about $11.8 billion of 1975 dollars for a cost of $6.0 billion

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2/ See Table 4, page 45 of reference cited in footnote 1.

3/ Decision and Report to Congress on the Alaska Natural Gas Transportation System." Executive Office of the President, September 1977.

4/ NNEB measures the desirability of a project from the public perspective and is the present value of benefits derived less the present value of resources employed in undertaking the project.

18. EXHIBIT D

Item 19: Exhibit D, Pg. 4-33, Section 4.7

In the single variable sensitivity analysis, a 5% discount rate resulted in a negative net economic benefit. Perform a multivariate sensitivity analysis using discount rates in lieu of capital costs as a key issue, assigned probabilities, and discuss results. Construct probability trees similar to Figures D.17 and D.18.

Response;

The multivariate sensitivity analysis which was included in the applicaton of February 28, 1985 was eliminated from the revised License Applicaton Exhibit D.

18. EXHIBIT D

Item 19: Exhibit D, Pg. 4-35, Paragraph 1

It might be helpful to model the interactions. Section 4.9.

Response;

The requested model of interactions references the multivariate sensitivity analyses which was be eliminated from Exhibit D. However, the point of the request is that there are variables which are interdependent such as fuel price escalation, revenue projections and load forecasts. These interdependencies are described in Section 5 of Exhibit B and the interactions are modeled in the RED model.

18. EXHIBIT D

Item 20: Financial Plan

Comment:

As a minimum financial plan, please provide us with letters from the various "Railbelt" utilities expressing conditions under which they would be interested in purchasing power from Susitna. We also need some type of expression from the Alaskan legislature which will provide us with at least a reasonable expectation that the "expected" State appropriations will be forthcoming if the project is approved and that necessary additional funds will be committed in the event of cost overruns. Also, please submit a letter from an investment banker (or groups of bankers) of sufficient size and reputation to handle the sale of revenue bonds on a project of this magnitude, which sets forth their view of the conditions required to market revenue bonds. Their letter should specifically address the projections of expected demand and revenue which you expect us to act upon in the filing (either the current projections on file or revised projection) and contain a statement concerning whether or not such projections provide a basis that would allow sale of revenue bonds to finance the project. Finally, please provide us with a statement concerning what would happen if Susitna is constructed and energy costs of alternative options do not rise as you expect or if cost overruns occur.' Would additional State funds be appropriated, or would consumers be required to bear the burden of high cost energy?

Response:

Item 20 - Financial Plan

First Quarterly Progress Report - April 12, 1983 through July 11, 1983

The information requested in Item 20 can be divided into four principal sub-items. The four sub-items and the progress of each during the report period is as follows:

Sub-item 1. Letters from the various "Railbelt" utilities expressing conditions under which they would be interested in purchasing power from Susitna.

Progress during period: The Power Authority continues to maintain close contact with the Railbelt utilities. During the period utilities were contacted to gather data in order to respond to the non-conforming items in Exhibit B. A dialogue on the subject of power purchases from Susitna was initiated by the Power Authority in a letter to utility managers dated May 6, 1983. (See attachment A). To date follow-up meetings have been held with the managers of Golden Valley Electric Association (See attachment B) and Anchorge Municipal Light and Power (See attachment C).

Sub-item 2. Expression from the Alaskan legislature which will provide a reasonable expectation that the "expected" State appropriations will be forthcoming if the project is approved and that necessary additional

funds will be committed in the event of cost overruns.

Progress during period: During the report period, the Alaskan State legislature has been in session, and has considered several bills affecting the Susitna Project. These bills illustrate the Alaskan legislature's commitment to resolving the Susitna financing question. The level of legislative activity related to Susitna underscores the continuing attention being focused on the project by the legislature. Of the numerous bills affecting Susitna considered during the 1983 Legislative Session, most were referred to committee for further study, and have not been finally enacted.

The bills which have been introduced during the 1983 Legislative Session are:

Chamber	Bill No.	Description	Status
Senate	68	Would authorize an advisory vote of the electorate establishing a $2.3 billion Susitna Project construction fund.	Referred to State Affairs, Resources and Finance Committees
Senate	69	Would authorize and approve construction of the Susitna Project with a construction	Referred to the State Affairs, Resources and Finance Committees

		budget of $5.4 billion.	
Senate	70	Would establish the Alaskan Energy Dividend Fund consisting of money transferred from the Alaskan Permanent Fund, to finance eligible energy projects.	Referred to State Affairs, Resources and Finance Committee
Senate	168	Extended to 1993 the deadline for appropriation of $5 billion to the Power Project Fund	Passed by both Chambers
House	120	Tracks the language of S.69. Would authorize and approve constructions of the Susitna Project with a construction budget of $5.4 billion.	Referred to State Affairs, Resources and Finance Committees
House	121	Tracks the language of S.68. Would authorize an advisory vote of the electorate on establishing a $2.3 billion Susitna Project	Referred to State Affairs, Resources and Finance Committees

construction fund.

House	239	Would affect a power project's proportionate share of debt service on state loan and bonds issued as part of the energy program for Alaska	Referred to the Labor and Commerce, Resources and Finance Committees
House	386	Would empower the APA to issue its own bonds for the construction or acquisition of power projects.	Referred to the Labor and Commerce, Resources, and Finance Committees

The most recent statement of support for Susitna from the legislature is the approval of $33 million to fund studies of the project during Fiscal 1984.

Sub-item 3. Letter from an investment banker (or groups of bankers) of sufficient size and reputation to handle the sale of revenue bonds on a project of this magnitude, which sets forth their view of the conditions required to market revenue bonds. The letter should specifically address the projections of expected demand and revenue which you expect and contain a statement concerning whether or not such projections provide a basis that would allow sale of revenue bonds to finance the project.

Progress during period: The most recent statement from investment banks setting forth their views is that contained in Section 5 of the report: "Susitna Hydroelectric Project, Task 11: Financing Options", January 1983. (See Attachment D.)

The Power Authority has maintained contact with the financial advisors during the preparation of responses to the non-conforming items.

Sub-item 4: Provide a statement concerning what would happen if Susitna is constructed and energy costs of alternative options do not rise as you expect, or if cost overruns occur. Would additional State funds be appropriated, or would consumers be required to bear the burden of high cost energy?

Progress during period: The subject of this sub-item has been part of the Power Authority's continuing dialogue with utilities (Sub-item 1) and with the State legislature (Sub-item 2).

Additional Discussion:

The financial plan for the Project is the subject of continuing discussions and study by the Power Authority and other agencies, both public and private, in the State of Alaska.

During the report period, the Power Authority has had contacts with the staff of the State Office of Management and Budget to identify the availability of funds for the project under alternative world oil price forecasts and state fiscal scenarios.

In the private sector, the newly formed Susitna Finance Committee Inc., a non-profit group of Southcentral Alaska businessmen recently contracted William Kent and Company of Connecticut to make an independent study of the project's financial feasibility, which is expected to be completed in about six months.

ALASKA POWER AUTHORITY

334 WEST 5th AVENUE - ANCHORAGE, ALASKA 99501

May 6, 1983
Susitna File 40.6

Mr. James F. Palin
General Manager
Matanuska Electric Association, Inc.
P.O. Box 1148
Palmer, Alaska 99645

Subject: Susitna Hydroelectric Project, FERC Comments on Power Purchase by Railbelt Utilities.

Dear Mr. Palin:

In April, the Federal Energy Regulatory Commission (FERC) provided the Alaska Power Authority with written comments on its license application for the Susitna project. One area of concern is acceptance of the project by the Railbelt utilities.

The purpose of this letter is to solicit your ideas on this subject. Specifically, we would like you to consider the following issues:

1) What financial implications would you foresee in signing power purchase agreements for Susitna power? What are your risks or advantages?

2) What should be the basis upon which the price of capacity and energy should be established, and what type of power purchase formula should be established?

3) Do you foresee any problems in associating with other utilities in purchasing power?

4) How do you perceive the Susitna project affecting your system reliability and planning of your system?

Once you have had an opportunity to consider these issues, we would like to meet with you for an informal discussion, say during the week of May 16, 1983. Ray LaRusso, Vice President of Harza Engineering Company and Project Manager for the Harza-Ebasco Susitna Joint Venture,

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will be calling to arrange a brief meeting. Please keep in mind that these are preliminary discussions only, and that they do not represent a commitment by the utility to any future position on Susitna power.

Please feel free to call me if you wish to discuss this matter.

Sincerely,

Eric P. Yould
Executive Director

cc: Ray LaRusso, Harza-Ebasco, Anchorage

8659

RAILBELT UTILITY CONTACT LIST

Mr. James F. Palin
General Manager
Matanuska Electric Association, Inc.
P.O. Box 1148
Palmer, AK 99645

Mr. Michael Kelly
General Manager
Golden Valley Electric Association, Inc.
P.O. Box 1249
Fairbanks, AK 99707

Mr. Walter V. Truitt, Jr.
General Manager
Chugach Electric Association, Inc.
P.O. Box 3518
Anchorage, AK 99501

Mr. Wally Droz
Acting General Manager
Fairbanks Municipal Utilities
P.O. Box 2215
Fairbanks, AK 99707

Mr. Thomas Stahr
General Manager
Anchorage Municipal Light & Power Company
1200 East First Avenue
Anchorage, AK 99501

Mr. B. Kent Wick
General Manager
Homer Electric Association, Inc.
P.O. Box 429
Homer, AK 99603

Mr. Dennis Dooley
Seward Light & Power Division
Box 167
Seward, AK 99664

HARZA-EBASCO *SUSITNA JOINT VENTURE*

MEMORANDUM

LOCATION Anchorage DATE June 13, 1983

TO Files NUMBER

FROM H. H. Chen

SUBJECT Notes on Meeting with Golden Valley Electric Association and Fairbanks Municipal Utilities System on 23 May 1983. Page 1

Attending:

Golden Valley Electric Association:	Mike Kelly John Huber
Fairbanks Municipal Utilities System:	Don LaMarca Larry Colp
Alaska Power Authority:	David Wozniak Tom Arminski
Harza-Ebasco	Ray S. LaRusso Bill Rom Henry Chen

General:

The meeting was scheduled for the Fairbanks utilities to express their views on various issues related to power supply from Susitna including electricity price level, interconnection with other utilities, system reliability, as suggested in the letter of 6 May 1983 from the Power Authority to the utilities. In addition, we wanted to have an understanding of any other utilities concern which might be factored in the ongoing Susitna work.

Power Sales From Susitna

GVEA would be willing to pay Susitna energy at a price equivalent to GVEA's savings from fuel and O&M, and also savings in investment if GVEA had to build new capacity. GVEA does not feel they needed to pay for spinning reserve.

GVEA has diesels and combustion turbines (North Pole) which can be brought on line in 15 and 30 minutes respectively. The system outage level has been about 7 hours per customer per year, which is higher than REA had been encouraging them (5 hours). Keeping their CT's on spinning reserve could reduce the outages but would increase costs, and they have chosen not to do that.

GVEA thinks it would be unrealistic to accept or take-or-pay contract if there is no limitation in supply. However, GVEA would agree to take a specified amount related to the actual demand in a given near-term year.

Reliability

No specific reliability criteria have been set. At present there are no long transmission lines, the only one being from Healy. The line generally experiences outages in the summer, especially in the months of June and September. An average of 3 outages a year can be expected.

The idea of utilizing lower voltage lines from Susitna was discussed. Fairbanks utilities does not care if the transmission line voltage from the south is 345-kV (as shown in the License Application) or a lower voltage as we feel could be. They naturally favor two circuits (including the intertie,) but can also accept a single circuit initially in order to minimize initial electricity price, provided that as the system builds up two circuits are built. The two circuits can be on the same right of way if they are properly spaced so that the failure of one circuit does not affect the second one.

Generation Plans Without Susitna

The Fairbanks utilities are assuming Susitna will go ahead and have, therefore, not made any alternative plans for beyond 1990. GVEA thinks their present capacity can carry them through the time to take Susitna power without any new capacity. FMUS has a study done where they now plan to add a new unit to obtain additional capacity, retire several old units, and supply district heat to a number of commercial customers. District heat is unprofitable and is being subsidized by electricity business.

GVEA believes that without Susitna they might want to build a coal-fired unit at Healy, or they might participate in a gas-fired combined cycle plant at Beluga with some Anchorage utilities. GVEA plans to have a power supply study done sometime this year or next.

HARZA-EBASCO *SUSITNA JOINT VENTURE*

MEMORANDUM

LOCATION Anchorage DATE June 13, 1983

TO Files NUMBER

FROM H. H. Chen

SUBJECT Notes on Meeting with Golden Valley Electric Association and Fairbanks Municipal Utilities System on 23 May 1983. Page 3

Military

GVEA is currently purchasing a small amount of energy from Fort Wainwright. However, the costs are high because the plants (coal-fired) are old. Eielson AFB is studying rehabilitating its plant in part to meet its expansion. The plants at both Fort Wainwright and Eielson AFB have large steam demands. Potentially this could adversely influence their ability to purchase power from Susitna.

Load Forecast Outlook

GVEA is optimistic about load growth. There is a good amount of new residential construction and new connections are up. Furthermore the shift from electricity to oil and wood seems to have stabilized.

With reference to load forecast, the Power Authority and Harza-Ebasco offered assistance to them since we have done a lot of work recently.

Henry H. Chen

HHC/gn

20-13

Attachment 1

HARZA-EBASCO SUSITNA JOINT VENTURE

MEMORANDUM

LOCATION Anchorage DATE June 22, 1983

TO Files NUMBER

FROM H. H. Chen

SUBJECT Notes on Meeting with Anchorage Municipal Light and Power Department, June 15, 1983

The meeting was held with Mr. Thomas Stahr, General Manager of Anchorage Municipal Light and Power, as a follow-up of the 6 May 1983 letter from the Power Authority requesting the views of the utilities on various aspects relating to purchasing power from Susitna. Representing Harza-Ebasco were D. L. Glasscock, R. L. Meagher, and H. H. Chen.

Power Sales From Susitna

AMLP feels that the state should demonstrate its commitment to the project. It should provide funding to the project in order to bring the initial cost of power sales down. He also suggested the need to come up with some innovative approaches to financing such as "geometric" rather than "levelized" power cost determination.

With regard to "take or pay" type contracts, AMLP has floated some bonds where there could be restrictions in signing this type of a contract. Mr Stahr suggested for us to contact a Goldman Sachs representative that AMLP deals with. (Mr. Stahr subsequently called and gave the name of Mr. Frank Ingrassia at 212/676-3122.)

Reliability

AMLP has previously given us their reliability criteria. Mr. Stahr agreed to confirm this in a letter to us. This is needed to respond to FERC non-conforming items.

Load Growth Outlook

AMLP and Chugach are cooperating in a study by Burns and McDonnell. According to Mr. Stahr, B&M is projecting good load growth in the 80's but flattening and leveling in the 1990's. Mr. Stahr feels that the fundamental assumptions relating to their load forecast could be questioned. He thought that the price of oil is important but might not be the only factor relating to load growth. For instance the demographic factor including birth rate is one that may not have been adequately addressed in that forecast.

Henry H. Chen

HHC/gn

20-14

Attn: Hedig Vollano
Fairbanks.

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ALASKA POWER AUTHORITY

SUSITNA HYDROELECTRIC PROJECT

TASK 11: FINANCING OPTIONS

Prepared by:
Acres American Incorporated

January 1983

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Harza-Ebasco

ALASKA POWER AUTHORITY

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EXHIBITS

Exhibit A - System Costs Avoided by Developing Susitna

Exhibit B - Watana Construction Schedule

Exhibit C - World Oil Price Forecasts

Exhibit D - U.S. Hydroelectric plant Construction Cost Indexes

Exhibit E - Energy Cost Comparison with Various Financing Options

FINANCIAL ANALYSES

Option A - $1.4 Billion Drawn from Uncommitted State Funds Available for Captial Construction

Option B - $1.8 Billion Drawn from Uncommitted State Funds Available for Capital Construction

Option C - $1.4 Billiong Dedicated from Permanent Fund Income
Option D - $1.8 Billion Dedicated from Permanent Fund Income

5 -STATEMENT BY THE FIRST BOSTON CORPORATION, JOHN NUVEEN & COMPANY, AND FIRST SOUTHWEST COMPANY

The First Boston Corporation and John Nuveen & Company (the Alaska Power Authority's co-senior managing underwriters) and First Southwest Company (the Power Authority's financial advisor) have reviewed the financing options described in this memorandum and have made the following observations regarding the financing of the Susitna Project. Together these investment firms are referred to as the Power Authority's Investment Advisors. Their opinions stated herein are based primarily upon the State's projected revenues using the "30th Percentile". First Boston Corporation, John Nuveen & Company and First Southwest Company have concurred in the following statement:

"It is our opinion that prior to major State expenditures, of State appropriations definitive contractual commitments by participating Railbelt Utilities be in place and that such appropriations should be funded by the State during the period 1983-1989, a period within the estimated life of Alaska's oil and gas reserves, so that appropriations provided during this period will provide the crucial "equity" to assure the most economical bond financing of the remainder of the project.

In view of the magnitude of Susitna and the relatively long construction period, the Power Authority should not commence significant borrowing for Susitna before the late 1980's at which time major risks have been defined and completion and start-up dates are known with a high degree of reliability.

In our opinion, in order to maintain the financial integrity for the State of Alaska, prerequisites for issuance of bonds of any type for the project are:

(a) Definitive contractual commitments by participating Railbelt utilities;

(b) Up-dated economic and financial analysis of the project; and

(c) Resolution of the question of tax exemption of such bonds.

With regard to the utilization of State G.O. Bonds, it is our opinion that the issuance of such bonds will be of limited importance to financing Susitna because of the substantial borrowing required for this project. If a major portion of such borrowing were met from State G.O. Bonds, Alaska's present double A ratings would be endangered. The following are some major limitations of State G.O. Bonds:

(1) A crucial feature of Alaska's double A rating is the Rating Agencies' concurrence with the State's present debt policy of amortizing G.O. Bonds rapidly (i.e., within 10 to 15 years (a period within current estimates of oil/gas revenues (the principal source of State revenues) and we believe this policy should be continued.

(2) Using the State's December, 1982 Department of Revenue forecasts, we estimate that the State can issue a relatively small volume of G.O. Bonds while maintaining it's double A rating (see Tables 1 and 2). Based on the "30th percentile" of the Department of Revenue projections, the State could "safely" issue $565 million (nominal dollars, assuming 8% inflation) G.O. Bonds during the period fiscal 1983-1990. This amount would rise to $945 million i the "50th percentile" revenue projections were achieved during this period.

A reduction in the State's rating from double A to single A could correspondingly lower the rating of Alaska Power Authority's own revenue bonds backed by a Capital Reserve Fund with a moral obligation to a rating as low as Baa by Moody's and BBB by Standard Poors. Such a rating would substantially raise the

Authority's borrowing cost and could impair the viability of the project. The volume of debt contemplated under all scenarios would be extremely difficult to market if rated less than "A".

The Power Authority, rather than utilizing State G.O. Bonds, should utilize, to the fullest extent possible, revenue bonds secured by the income derived from participating Railbelt Utilities pursuant to long-term power sales contracts. Additional security for the bonds would be provided by the Capital Reserve Fund provided in the Alaska Power Authority Act whereby to the extent that revenues from Susitna were insufficient to service the bonds, the Legislature may, but is not legally obligated to, appropriate monies to make up such deficiency in the Capital Reserve Fund. Alaska Power Authority's credit perception will be enhanced by a simple and straightforward debt structure comprised solely of revenue bonds backed by the State's "moral obligation" pledge.

Any dedicated stream of State appropriations covering the entire construction and start-up period will enhance confidence of investors, participating utilities, and the rating agencies in the completion of the project. Such an appropriation would, however, require a constitutional amendment.
In conclusion, as Investment Advisors to the Authority, we strongly prefer the financing plan developed as Option B and D which requires greater appropriations prior to issuance of Revenue Bonds because the credit status of the State is least affected and the credit quality of the Authority's bonds is enhanced, maintaining project feasibility. Should oil revenue and projections, however, dramatically improve we would be in a position to more favorably consider alternate financial options.

May 6, 1983
Susitna File 40.6

Mr. James F. Palin
General Manager
Matanuska Electric Association, Inc.
P.O. Box 1148
Palmer, Alaska 99645

Subject: Susitna Hydroelectric Project, FERC Comments on Power Purchase by Railbelt Utilities.

Dear Mr. Palin:

In April, the Federal Energy Regulatory Commission (FERC) provided the Alaska Power Authority with written comments on its license application for the Susitna project. One area of concern is acceptance of the project by the Railbelt utilities.

The purpose of this letter is to solicit your ideas on this subject. Specifically, we would like you to consider the following issues:

1) What financial implications would you foresee in signing power purchase agreements for Susitna power? What are your risks or advantages?

2) What should be the basis upon which the price of capacity and energy should be established, and what type of power purchase formula should be established?

3) Do you foresee any problems in associating with other utilities in purchasing power?

4) How do you perceive the Susitna project affecting your system reliability and planning of your system?

Once you have had an opportunity to consider these issues, we would like to meet with you for an informal discussion, say during the week of May 16, 1983. Ray LaRusso, Vice President of Harza Engineering Company and Project Manager for the Harza-Ebasco Susitna Joint Venture,

will be calling to arrange a brief meeting. Please keep in mind that these are preliminary discussions only, and that they do not represent a commitment by the utility to any future position on Susitna power.

Please feel free to call me if you wish to discuss this matter.

Sincerely,

Eric P. Yould
Executive Director

cc: Ray LaRusso, Harza-Ebasco, Anchorage

8659

RAILBELT UTILITY CONTACT LIST

Mr. James F. Palin
General Manager
Matanuska Electric Association, Inc.
P.O. Box 1148
Palmer, AK 99645

Mr. Michael Kelly
General Manager
Golden Valley Electric Association, Inc.
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Mr. Walter V. Truitt, Jr.
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P.O. Box 3518
Anchorage, AK 99501

Mr. Wally Droz
Acting General Manager
Fairbanks Municipal Utilities
P.O. Box 2215
Fairbanks, AK 99707

Mr. Thomas Stahr
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Mr. Dennis Dooley
Seward Light & Power Division
Box 167
Seward, AK 99664

Anchorage June 22, 1983

Files

H. H. Chen

Notes on Meeting with Anchorage Municipal Light and Power Department, June 15, 1983

The meeting was held with Mr. Thomas Stahr, General Manager of Anchorage Municipal Light and Power, as a follow-up of the 6 May 1983 letter from the Power Authority requesting the views of the utilities on various aspects relating to purchasing power from Susitna. Representing Harza-Ebasco were D. L. Glasscock, R. L. Meagher, and H. H. Chen.

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H. H. Chen

HHC/gn