OF 80-551

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

INDEX OF STREAMFLOW AND WATER-QUALITY RECORDS

TO SEPTEMBER 30, 1978

SOUTHWEST ALASKA

By

Patsy J. Still

OPEN-FILE REPORT 80-551

Anchorage, Alaska
1980

UNITED STATES DEPARTMENT OF THE INTERIOR

CECIL D. ANDRUS, Secretary

GEOLOGICAL SURVEY

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CONTENTS

ILLUSTRATION

TABLE

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INTRODUCTION

This report, which is one of a series of reports for Alaska, lists stations in southwest Alaska (fig. 1) at which streamflow and water-quality data have been collected by the U.S. Geological Survey.

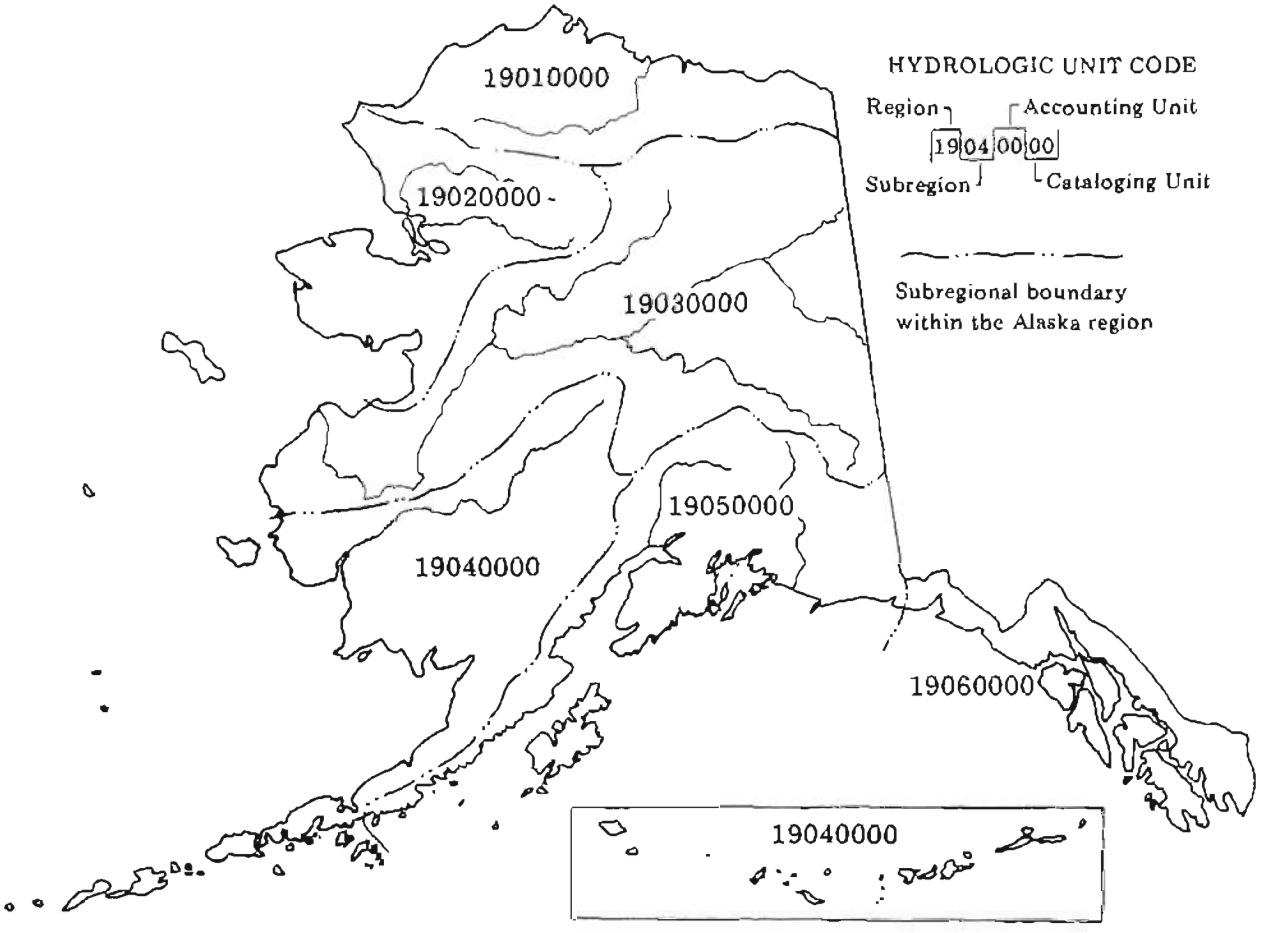
Most of the data referred to in this report have been published in reports of the Geological Survey. Water-quality data which were not included in those reports have been placed in the Survey's national computer storage system and are available through data-retrieval programs. Some of the older streamflow data have not been entered into the computer system. Geological Survey Water-Supply Paper (WSP) 1372 contains a summary of previously published records of monthly and annual discharges through September 1945, as well as records of daily and monthly discharges for the water years 1946-50 that had not yet been published. Water-Supply Paper 1372 also contains other stream chemical quality records collected between September 1948 and September 1950 and also some earlier records for the Yukon River at Anvik. Since 1950 data have been published in water-supply papers and a series of annual reports as shown in the following list:

Water year	WSP	Water year	WSP
1951-53	1466	1964	1959 (Water-quality records)
1954-56	1486	1965	1966 (Water-quality records)
1957	1500	1966	1996 (Water-quality records)
1958	1570	1967	2016 (Water-quality records)
1959	1640	1968	2100 (Water-quality records)
1960	1720	1966-70	2136 (Streamflow records)
1951-60	1740 (Streamflow records)	1969	2150 (Water-quality records)
1961-63	1953 (Water-quality records)	1970	2160 (Water-quality records)
1961-65	1936 (Streamflow records)		

Data have been published in the annual series of reports, "Water Resources Data for Alaska," since 1961 for streamflow records and 1964 for water-quality records.

This index lists: continuous-record streamgaging stations, crest-stage gage and low-flow partial-record stations; daily chemical, sediment, and temperature stations; and stations where some chemical, sediment, and biological data have been collected on an intermittent basis.

HYDROLOGIC UNIT MAP - ALASKA



This map shows hydrologic units that are basically hydrographic in nature.

The Regions, Subregions and Accounting Units are aggregates of the Cataloging Units. The Regions and Subregions are currently used by the U.S. Water Resources Council for comprehensive planning, including the National Assessment, and as a standard geographical framework for more detailed water and related land-resources planning. The Accounting Units are those currently in use by the U.S. Geological Survey for managing the National Water Data Network.

The following table shows the Hydrologic Units for the State

Region	Subregion	Accounting Unit	Cataloging Unit
19 Alaska	01	00	01, 02, 03
	02	00	01, 02
	03	00	01, 02, 03, 04, 05, 06
	04	00	01, 02, 03
	05	00	01, 02, 03
	06	00	00

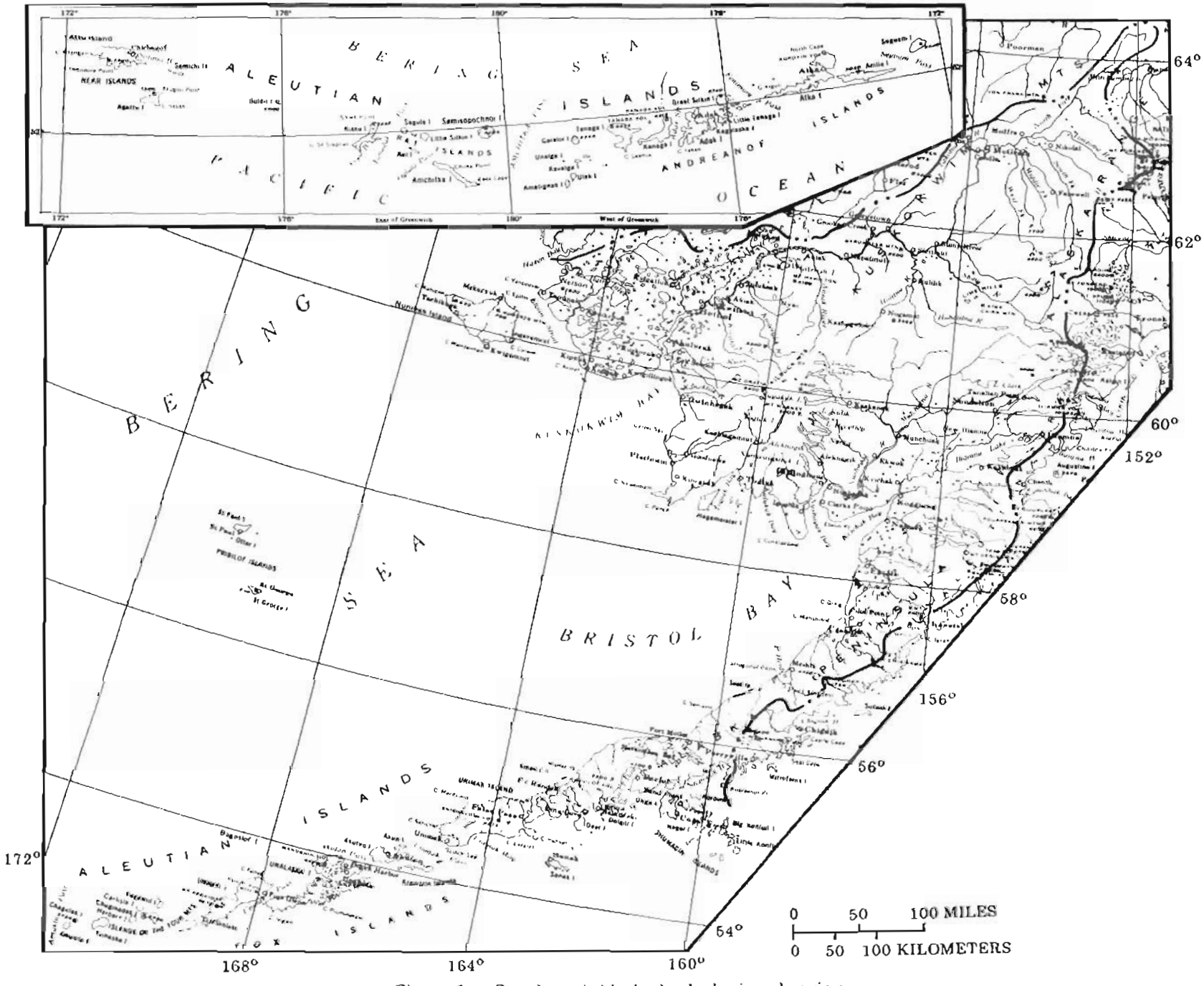


Figure 1. -- Southwest Alaska hydrologic subregion.

Stations are listed in order of their location in a downstream direction along the main stream. Stations on tributaries are listed between stations on the main stream in the order in which those tributaries enter the main stream. Stations on tributaries entering above all mainstream stations are listed before the first mainstream station. Stations on tributaries to tributaries are listed in a similar manner.

EXPLANATION OF TABLE

Station Identification

Numbers have been assigned to each station as an added means of identification and are of two types. In the 8-digit number, such as 15008000, the 2-digit "15" denotes Alaska and the 6-digit number "008000" indicates downstream order. These assigned numbers are in numerical order but are not consecutive. They are selected from the complete 6-digit number sequence so that intervening numbers will be available for future assignment to new locations.

A 15-digit number which is the original latitude and longitude location plus a 2-digit sequence number has been assigned to water-quality stations where data have been collected on an intermittent basis. This number may be different from the present location because of revisions to the topographic maps or adjustments to the original location. These stations are inserted in the standard downstream order.

Name

The station name consists of the name of the stream and in some instances its position relative to another physical feature or the nearest town. The name shown is that most recently used in publication. Another name may have been used in earlier publications.

Location

All station locations have been assigned a latitude and longitude determined from the most recent topographic maps available for the respective areas.

Drainage Area

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

Streamflow Stations

Continuous record: A streamgaging station for which the discharge or stage is published on a daily, weekly, or monthly basis for a continuous period of time. Annual extremes of discharge, stage, and low flow are also determined for most stations.

Crest-stage partial record: A station for which only the annual maximum stream discharge and stage are published over a period of years for use in flood-flow analysis.

Low-flow partial record: A station for which measurements of low flow are published.

Discharge measurements have been made at many ungaged sites and published as miscellaneous measurements; these sites are not included in this index, nor are the data stored in the Survey's computer storage system.

Water-Quality Stations

Chemical: A station where samples have been collected on a daily or intermittent (one or more samples per year) basis for one or more of the following constituents: major cations and anions, specific conductance, pH, dissolved oxygen, color, trace metals, nutrients, radiochemicals, or pesticides.

Water temperature: A station where continuous or once-daily temperature records have been collected. Water temperatures are also usually measured when discharge measurements are made and water-quality samples are collected, but are not shown in this report.

Sediment: A station where samples for suspended-sediment concentrations and particle-size distributions have been collected on an intermittent (one or more samples per year) or daily basis.

Biological: A station where samples have been collected on a continuous or intermittent basis for one or more of the following: phytoplankton, periphyton, or benthic invertebrates.

Water-quality data collected at lakes and springs have been published and stored in the Survey's computer storage system; these data are not included in this index.

Periods of Record

The periods of record for daily or monthly discharge, chemical, water temperature, sediment, and biological data collected are listed in table 1 as calendar years in which records began or ended; breaks of less than a year are not shown. For example, if a record began in October 1923, ended in April 1932, began again in March 1933, and ended in September 1944, the period of record would be shown as 1923-44.

The "Crest-stage annual peaks" and "Low Flow" periods of record show the water years for which the record of annual maximum or minimum discharge is available. The water year begins October 1 and ends September 30. In listing the water year, only one date is shown; for example, 1952 stands for the water year October 1, 1951, to September 30, 1952.

A date followed by only a dash indicates that the station was continued in operation beyond September 30, 1978. A date followed by a semicolon indicates a break in the collection of records.

Explanatory notes are given in the heading of table 1.

COMPUTER RETRIEVAL OF DATA

Most of the types of data listed in this index are stored in the Survey's computer and can be retrieved in tabular form. Retrieval can be made for individual stations or for series of stations both by station number and in latitude-longitude sequence. Additional information related to streamflow, such as gage height records, discharge measurements, and stage-discharge rating curves and tables, that has not been published or stored in the computer is available in the District files. Questions regarding costs, procedures for computer retrieval, or other information regarding the kinds of data listed in this index should be addressed to:

District Chief
U.S. Geological Survey
Water Resources Division
733 West 4th Avenue, Suite 400
Anchorage, Alaska 99501

Table 1. -- Index of streamflow and water-quality records to September 30, 1978 - Southwest Alaska

< - less than; a - approximately; C - Crest-stage; D - Daily

Station identification	Name	Location		Drainage area (square miles)	Streamflow		Water-Quality			
		Latitude	Longitude		Continuous record	Partial record	Chemical	Water temperature	Sediment	Biological
15297630	Stream (15-32) on Amchitka Island	51°34'29"	178°54'45"				1968-70; 74			
15297633	Mudflow Creek on Amchitka Island	51°32'45"	178°57'22"				1968			
15297635	Andesite Creek on Amchitka Island	51°32'28"	178°57'26"				1968			
15297640	Limpet Creek on Amchitka Island	51°31'31"	178°58'23"	1.69	1967-72		1968-74			
15297649	Stream (08-40) on Amchitka Island	51°30'52"	179°01'41"				1968			
15297650	Falls Creek on Amchitka Island	51°30'00"	179°01'00"	0.86	1968-72		1968-74			
512627179062870	Stream (00-46) on Amchitka Island	51°26'27"	179°06'28"				1967			
512620179063670	Stream (00-46A) on Amchitka Island	51°26'20"	179°06'36"				1968-70			
512453179094970	Midden Creek on Amchitka Island	51°24'53"	179°09'49"				1968-74			
512451179105570	Stream (97-51A) on Amchitka Island	51°24'51"	179°10'55"				1972; 74			
512501179110270	Stream (98-51A) on Amchitka Island	51°25'01"	179°11'02"				1969-70			
15297655	Clevenger Creek on Amchitka Island	51°24'34"	179°11'00"	0.28	1968-74		1968-74			
512416179101970	Stream (96-51) on Amchitka Island	51°24'16"	179°10'19"				1969-74			
512347179120570	Stream (95-53) on Amchitka Island	51°23'47"	179°12'05"				1969			

Table 1. -- Index of streamflow and water-quality records to September 30, 1978 - Southwest Alaska -- Continued

< - less than; a - approximately; C - Crest-stage; D - Daily

Station identification	Name	Location		Drainage area (square miles)	Streamflow		Water-Quality			
		Latitude	Longitude		Continuous record	Partial record	Chemical	Water temperature	Sediment	Biological
15297660	Constantine Spring on Amchitka Island	51°22'52"	179°14'58"	0.01	1967-73		1964-65; 67-74			
512156179152670	Stream (92-57) on Amchitka Island	51°21'56"	179°15'26"				1969-70			
15297666	Pumphouse Lake inlet on Amchitka Island	51°22'13"	179°16'27"				1964; 68-70			
15297667	Pumphouse Lake outlet on Amchitka Island	51°22'08"	179°16'43"				1968-70			
512220179180670	Stream (93-61) on Amchitka Island	51°22'20"	179°18'58"				1969			
512214179202670	Stream (93-62) on Amchitka Island	51°22'14"	179°20'25"				1969			
15297670	Stream (97-63) at site A on Amchitka Island	51°24'11"	179°21'00"				1968-70			
512453179134570	Stream (98-55) on Amchitka Island	51°24'53"	179°13'45"				1969			
512611179111170	Stream (00-51) on Amchitka Island	51°26'11"	179°11'11"				1967-74			
512645179113270	Stream (01-52) on Amchitka Island	51°26'45"	179°11'32"				1965; 67-74			
512637179104770	Stream (01-51) on Amchitka Island	51°26'37"	179°10'47"				1965; 68-74			
15297680	Bridge Creek on Amchitka Island	51°26'54"	179°10'57"	3.03	1967-74		1964-74			
512808179063070	Stream (03-46) on Amchitka Island	51°28'08"	179°06'30"				1968			
15297690	White Alice Creek on Amchitka Island	51°28'39"	179°07'29"	0.79	1968-74		1967-74			

Table 1. -- Index of streamflow and water-quality records to September 30, 1978 - Southwest Alaska -- Continued

< - less than; a - approximately; C - Crest-stage; D - Daily

Station identification	Name	Location		Drainage area (square miles)	Streamflow		Water-Quality			
		Latitude	Longitude		Continuous record	Partial record	Chemical	Water temperature	Sediment	Biological
512847179071670	Stream (05-47) on Amchitka Island	51°28'47"	179°07'16"				1968; 70-74			
15297696	Stream (23-14) on Amchitka Island	51°38'55"	179°39'28"				1967-70			
15297767	Lake Creek at Shemya AFB	52°42'56"	174°05'39"	1.00	1970-72		1970-72			
15297771	Gallery Spring at Shemya AFB	52°43'06"	174°07'10"	< 0.01	1970-72		1970-72			
15297773	Gallery Creek at Shemya AFB	52°42'42"	174°07'18"	a1.00	1970-72		1970-72			
565432158051300	Aniakchak River at Lake outlet near Port Heiden	56°54'32"	158°05'13"				1976			
582132155233000	Windy Creek tributary near Brooks Camp	58°21'32"	155°23'30"				1969			
582518155355000	Margot Creek tributary near Brooks Camp	58°25'18"	155°35'50"				1969			
583315155471500	Brooks River near King Salmon	58°33'15"	155°47'15"				1953			
584014155252200	Bay of Islands tributary near Brooks Camp	58°40'14"	155°25'22"				1969			
584037156400000	Naknek River at King Salmon	58°40'37"	156°40'00"				1964; 71			
15297900	Eskimo Creek at King Salmon	58°41'08"	156°40'08"	16.1	1973-76; 77-	1965-67 C; 69-72 C	1964; 71-72		1970-72	
594215153422400	Chinkelyes Creek at Summit Lake outlet near Illiamna Bay	59°42'15"	153°42'24"				1953			
15298000	Tanalian River near Port Alsworth	60°11'20"	154°15'30"	a200	1951-56		1954-56			
15300000	Newhalen River near Illiamna	59°51'34"	154°52'24"	3478	1951-67	1969-77 C	1954-58			

Table 1. -- Index of streamflow and water-quality records to September 30, 1978 - Southwest Alaska -- Continued

< - less than; a - approximately; C - Crest-stage; D - Daily

Station identification	Name	Location		Drainage area (square miles)	Streamflow		Water-Quality			
		Latitude	Longitude		Continuous record	Partial record	Chemical	Water temperature	Sediment	Biological
15300100	Bear Creek near Illiamna	59°49'28"	154°52'56"	2.59		1964-68 C				
15300200	Roadhouse Creek near Illiamna	59°45'26"	154°50'49"	20.8		1973-76 C; 78- C				
15300500	Kvichak River at Igiugig	59°19'44"	155°53'57"	a6500	1967-		1956-57; 67-68; 71-72		1967-68	
15301500	Allen River near Aleknagik	60°09'00"	158°44'00"	a270	1963-66					
15302000	Nuyakuk River near Dillingham	59°56'04"	158°11'05"	a1490	1953-		1954-57; 67; 70		1967-68; 70-72	
592716157180000	Nushagak River at New Stuyahok	59°27'16"	157°18'00"				1970			
592717157182000	Nushagak River tributary at New Stuyahok	59°27'17"	157°18'20"				1970			
15302500	Nushagak River at Ekwok	59°20'57"	157°28'23"	a9850	1977-		1956			
585421157443000	Nushagak River at Portage Creek near Dillingham	58°54'21"	157°44'30"				1971			
15302800	Grant Lake outlet near Aleknagik	59°47'43"	158°33'07"	34.3	1959-65		1960			
15302900	Moody Creek at Aleknagik	59°16'34"	158°35'42"	1.28		1969- C	1971			
15303000	Wood River near Aleknagik	59°16'30"	158°35'37"	a1110	1957-70	1972 C	1958-60; 67		1967-68	
15303010	Silver Salmon Creek near Aleknagik	59°13'34"	158°40'21"	4.46		1965-67 C; 69- C	1971		1970-72	
15303100	East Creek near Dillingham	59°11'32"	158°49'53"	2.12	1973-76			1973-76	1974-75	
15303150	Snake River near Dillingham	59°08'54"	158°53'14"	113	1973-			1974-	1974	
590258160270200	Unnamed Creek near Togiak	59°02'58"	160°27'02"				1972			
590711161351000	Goodnews Bay tributary at Goodnews	59°07'11"	161°35'10"				1970			

Table 1. -- Index of streamflow and water-quality records to September 30, 1978 - Southwest Alaska -- Continued

< - less than; a - approximately; C - Crest-stage; D - Daily

Station identification	Name	Location		Drainage area (square miles)	Streamflow		Water-Quality			
		Latitude	Longitude		Continuous record	Partial record	Chemical	Water temperature	Sediment	Biological
601318162013000	Eek River at Eek Village	60°13'18"	162°01'30"				1956			
630615154424500	Kuskokwim River at Medfra	63°06'15"	154°42'45"				1954 D	1954		
625900154572500	Big River near McGrath	62°59'00"	154°57'25"				1956			
15303600	Kuskokwim River at McGrath	62°57'10"	155°35'11"	a11700	1963-73		1950; 66-68; 71-73		1967-68; 70-72	
625755155362500	Takotna River near McGrath	62°57'55"	155°36'25"				1956-57			
614605156354000	Stony River near Stony River	61°46'05"	156°35'40"				1956-57			
614040157095000	Holitna River near Sleetmute	61°40'40"	157°09'50"				1956-57			
15304000	Kuskokwim River at Crooked Creek	61°52'16"	158°06'03"	a31100	1951-		1951; 55-56; 57-67 D; 68-72; 74-	1957-67; 1977-	1966-72; 75-	1975-
613415159302000	Aniak River at Aniak	61°34'15"	159°30'20"				1956-57			
15304300	Kuskokwim River at Bethel	60°47'30"	161°45'00"				1955; 71			

ALPHABETICAL LIST OF STATIONS

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