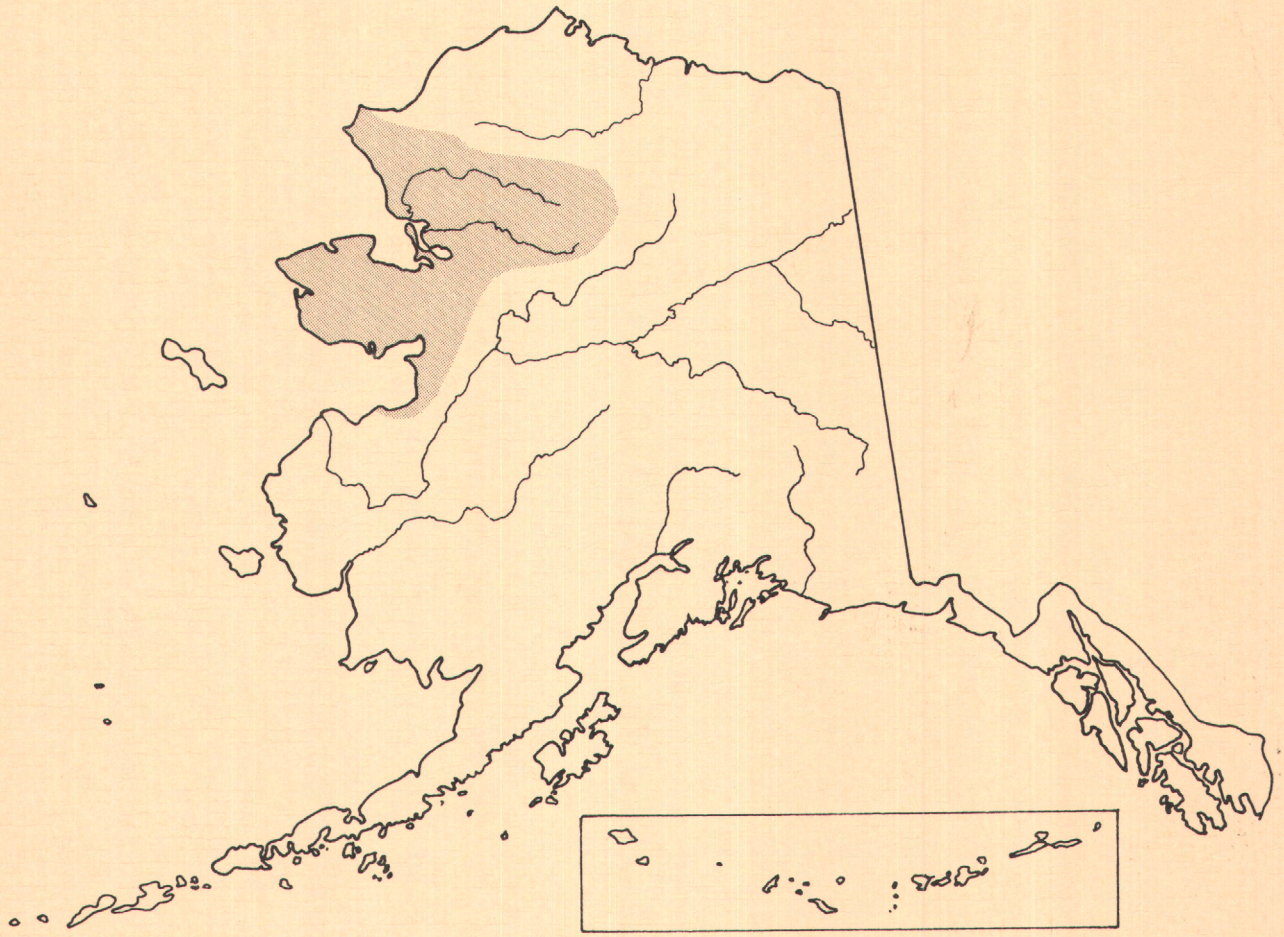
INDEX OF STREAMFLOW AND WATER-QUALITY RECORDS TO SEPTEMBER 30, 1978 NORTHWEST ALASKA



U.S. GEOLOGICAL SURVEY

OPEN-FILE REPORT 80-553

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

INDEX OF STREAMFLOW AND WATER-QUALITY RECORDS TO SEPTEMBER 30, 1978, NORTHWEST ALASKA

By

Patsy J. Still

OPEN-FILE REPORT 80-553

Anchorage, Alaska
1980

UNITED STATES DEPARTMENT OF THE INTERIOR

CECIL D. ANDRUS, Secretary

GEOLOGICAL SURVEY

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U.S. Geological Survey
Water Resources Division
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INDEX OF STREAMFLOW AND WATER-QUALITY RECORDS

TO SEPTEMBER 30, 1978

NORTHWEST ALASKA

By Patsy J. Still

INTRODUCTION

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

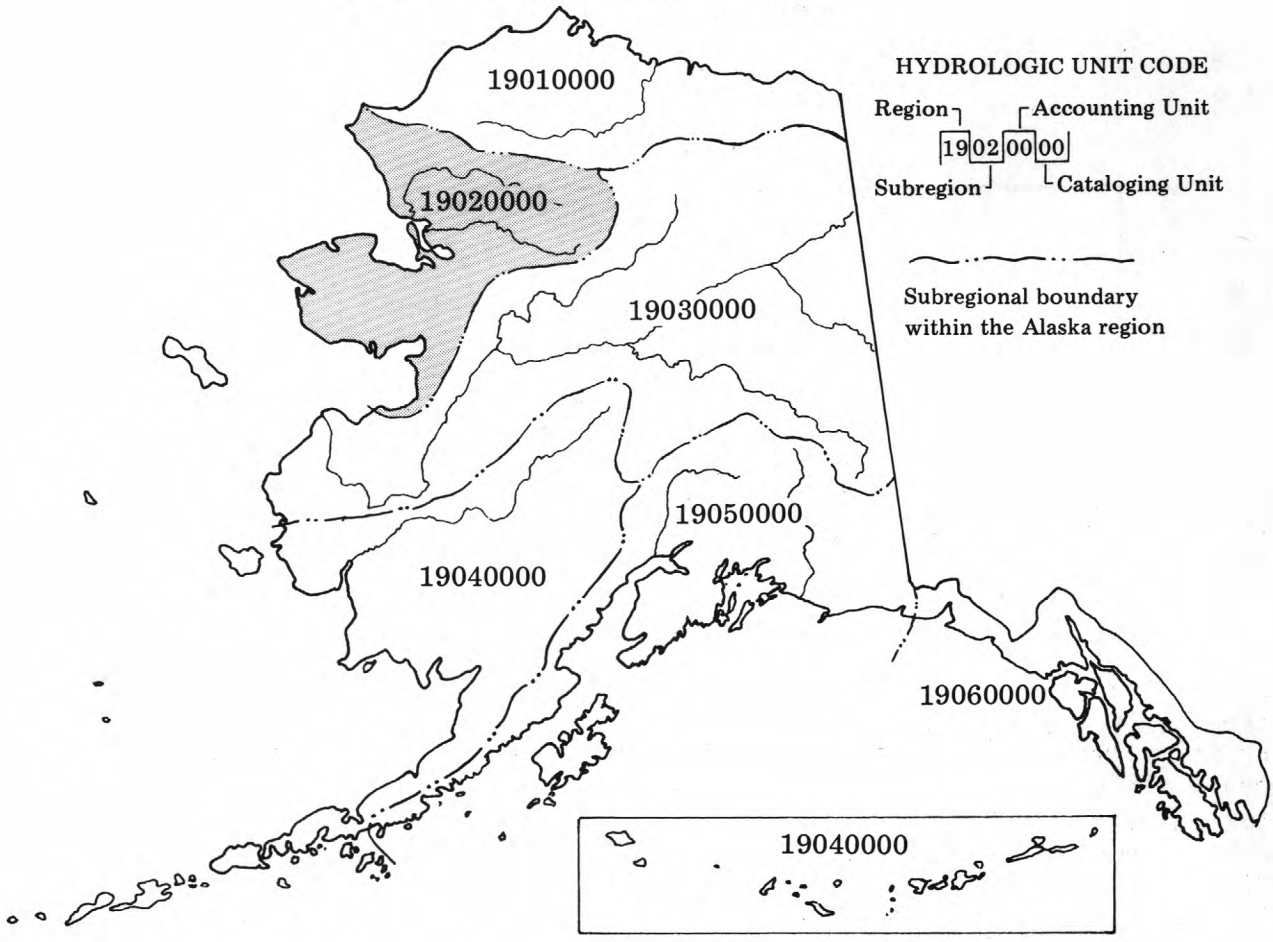
Most of the data referred to in this report have been published in reports of the Geological Survey. Water-quality data which were not included in those reports have been placed in the Survey's national computer storage system and are available through data-retrieval programs. Some of the older streamflow 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. -- Northwest 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. This type of record has not been collected in northwest Alaska.

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 - Northwest Alaska

a - approximately; g - includes Imuruk Lake; C - Crest-stage; D - Daily; G - Gage height and/or streamflow data; S - Seasonal or fragmentary

Station identification	Name	Location		Drainage area (square miles)	Streamflow		Water-Quality			
		Latitude	Longitude		Continuous record	Partial record	Chemical	Water temperature	Sediment	Biological
15566000	Pargon River near Boston	65°12'10"	163°42'35"	a20	1909					
15568000	Pargon ditch at intake near Boston	65°12'09"	163°42'35"		1909					
15570000	Pargon ditch below McKelvie Creek near Boston	65°11'00"	163°41'00"		1908-09					
15572000	Pargon ditch below Helena Creek near Boston	65°07'40"	163°39'15"		1906-09					
15575000	American Creek below Auburn Ravine near Iron Creek	64°56'00"	164°27'00"	a13	1908					
15575200	American Creek below Game Creek near Iron Creek	64°57'00"	164°25'00"	a24	1908					
15578000	Casadepaga River near Casadepaga	64°46'45"	164°26'55"	a47	1908					
15580000	Canyon ditch near intake near Council	65°03'00"	163°40'00"		1906; 07 S; 08-09					
15582000	Canyon ditch above Claim "No. 10 above" near Council				1909					
15584000	Solomon River at East Fork	64°41'00"	164°18'00"	a66	1908-09					
15585000	Goldengate Creek near Nome	64°26'03"	165°02'46"	1.55		1965 C; 76- C				
15586000	Campion Creek at Black Point near Nome	64°51'00"	165°16'00"		1906-09					
15588000	Nome River above Miocene ditch intake near Nome	64°51'55"	165°15'40"	a15	1906-08					
15590000	Miocene ditch at Black Point near Nome	64°51'01"	165°16'00"		1906-10					
15592000	Miocene ditch at Clara Creek near Nome				1907; 09					
15594000	Miocene ditch above Hobson Creek near Nome	64°45'41"	165°16'30"		1907-10					

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

a - approximately; g - includes Imuruk Lake; C - Crest-stage; D - Daily; G - Gage height and/or streamflow data; S - Seasonal or fragmentary

Station identification	Name	Location		Drainage area (square miles)	Streamflow		Water-Quality			
		Latitude	Longitude		Continuous record	Partial record	Chemical	Water temperature	Sediment	Biological
15596000	Miocene ditch below Hobson Creek near Nome	64°45'40"	165°16'30"		1907-10					
15598000	Miocene ditch below Flume near Nome				1906-10					
15600000	Nome River below Miocene ditch intake near Nome	64°51'54"	165°15'40"	a15	1909					
15602000	David Creek ditch near Nome	64°51'20"	165°15'20"		1906-09					
15604000	Seward ditch intake near Nome	64°49'20"	165°13'45"		1906 G; 07-10					
15606000	Seward ditch below Hobson Branch near Nome	64°44'40"	165°17'00"		1909-10					
15608000	Seward ditch below Dexter Creek Flume near Nome				1909-10					
15610000	Seward ditch above Newton Gulch near Nome				1909-10					
15612000	Pioneer ditch at intake near Nome	64°47'30"	165°12'50"		1907 S; 08-10					
15614000	Nome River near Nome	64°47'30"	165°12'40"	a37	1907 S; 08-10					
15616000	Hobson Creek near Nome	64°45'41"	165°16'31"	a2.6	1907-09					
15618000	Hobson Branch of Seward ditch near Nome				1909					
15619000	Dexter Creek near Dome	64°35'11"	165'16'39"	2.99		1976- C				
15620000	Snake River above Glacier Creek near Nome	64°35'55"	165°27'40"	a69	1907					
15621000	Snake River near Nome	64°33'51"	165°30'26"	a85.7	1965-		1967; 69-72		1964-73	
15622000	Sutton ditch at intake near Oregon	64°35'41"	165°39'20"		1906 G; 07					

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

a - approximately; g - includes Imuruk Lake; C - Crest-stage; D - Daily; G - Gage height and/or streamflow data; S - Seasonal or fragmentary

Station identification	Name	Location		Drainage area (square miles)	Streamflow		Water-Quality			
		Latitude	Longitude		Continuous record	Partial record	Chemical	Water temperature	Sediment	Biological
15624000	Penny River near Oregon	64°35'40"	165°39'20"	a19	1906 G; 07					
15625000	Arctic Creek near Nome	64°38'15"	165°42'46"	1.76		1969- C	1971		1970-72	
15626000	Sinuk River near Nome	64°53'00"	165°22'00"	a8.2	1907					
15628000	Windy Creek near Nome	64°54'50"	165°26'20"	a12	1907					
15630000	North Star Creek near Nome	64°54'00"	165°25'00"	a2.3	1907					
15632000	Cedric ditch above Penstock near Nome				1907					
15633000	Washington Creek near Nome	64°42'52"	165°49'13"	6.34		1964-65 C; 68 C	1971		1971-72	
651515166181800	Coyote Creek near Teller	65°15'15"	166°18'48"				1972			
15638100	Fall Creek near Teller				1906 S					
15638200	Pond Creek near Teller				1906 S					
15638300	Glacier Creek near Teller				1906 S					
15640000	WF Grand Central River at pipe intake near Iron Creek	64°58'05"	165°17'40"	a2.8	1906-07; 09 S; 10 G					
15642000	WF Grand Central River at ditch intake near Iron Creek	64°58'25"	165°15'20"	a5.4	1906-07; 10 G					
15644000	Crater Lake outlet near Iron Creek	64°58'15"	165°15'30"	a1.8	1906-09; 10 G					
15646000	WF Grand Central River near Iron Creek	64°58'10"	165°14'05"	a7.7	1907-09; 10					
15648000	NF Grand Central River at pipe intake near Iron Creek	64°59'10"	165°14'50"	a2.3	1906-07; 09; 10 G					

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

a - approximately; g - includes Imuruk Lake; C - Crest-stage; D - Daily; G - Gage height and/or streamflow data; S - Seasonal or fragmentary

Station identification	Name	Location		Drainage area (square miles)	Streamflow		Water-Quality			
		Latitude	Longitude		Continuous record	Partial record	Chemical	Water temperature	Sediment	Biological
15650000	NF Grand Central River near ditch intake near Iron Creek	64°58'30"	165°14'15"	a5.5	1906					
15652000	NF Grand Central River near Iron Creek	64°58'10"	165°14'00"	a6.9	1907; 08-10 G					
15654000	Grand Central River below forks near Iron Creek	64°58'00"	165°13'50"	14.6	1906; 07 G; 08-10					
15656000	Gold Run Creek near Iron Creek	64°57'10"	165°09'35"	10.5	1906-07; 08-10 G					
15658000	Thompson Creek near Iron Creek	64°57'00"	165°11'00"	a2.5	1906-09; 10 G					
15661900	Nugget Creek at Miocene ditch intake near Iron Creek			a2.1	1907 S					
15662000	Grand Central ditch near Iron Creek	64°53'30"	165°12'30"		1907; 08 G; 09					
15664000	Grand Central River near Iron Creek	64°54'15"	165°07'35"	44	1906					
15666000	Jett Creek ditch near Iron Creek	64°52'50"	165°10'40"		1906 G; 07; 08 G; 09					
15668000	Kruzgamepa River near Iron Creek	64°55'00"	164°57'20"	a84	1906-10					
15668100	Star Creek near Nome	64°55'40"	164°57'39"	3.78		1964-65 C; 67- C	1971			
15668200	Crater Creek near Nome	64°55'48"	164°52'12"	21.9	1975-	1964-65 C; 67-75C	1971; 76			
15670000	Kruzgamepa River at Iron Creek	64°58'00"	164°39'30"	153	1908					
15672000	Dome Creek near Iron Creek			12.3	1907					

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

a - approximately; g - includes Imuruk Lake; C - Crest-stage; D - Daily; G - Gage height and/or streamflow data; S - Seasonal or fragmentary

Station identification	Name	Location		Drainage area (square miles)	Streamflow		Water-Quality			
		Latitude	Longitude		Continuous record	Partial record	Chemical	Water temperature	Sediment	Biological
15673000	Iron Creek below canyon near Iron Creek				1907					
15676000	Iron Creek near Iron Creek	64°57'45"	164°39'00"	a50	1908-09					
15678000	Iron Creek flume at intake near Iron Creek				1909					
15678100	Iron Creek at mouth near Iron Creek	64°58'00"	164°38'00"		1909					
15682000	Pass Creek near Pilgrim Springs	65°02'00"	165°06'00"	a3.7	1907-08 G; 09					
15684000	Smith Creek near Marys Igloo	65°04'00"	165°08'00"	a6.8	1907 G; 08-09					
15686000	West End Creek near Marys Igloo				1909 S					
15686500	Osborn Creek near Marys Igloo				1909 S					
15687000	Middle Creek near Marys Igloo				1909 S					
15692000	Kougarok River near Taylor	65°44'11"	164°56'45"	a44	1907-09					
15694000	Homestake ditch at intake near Taylor	65°44'10"	164°56'45"		1907-09					
15695000	Homestake ditch at Penstock near Taylor				1907					
15698000	North Star ditch near Taylor	65°41'25"	164°43'20"		1907					
15700000	Taylor Creek near Taylor	65°41'25"	164°39'40"	73.4	1907					
15702000	Henry Creek near Taylor	65°39'10"	164°48'20"	a51	1908-10					
15704000	Kougarok River below Henry Creek near Taylor	65°39'00"	164°48'25"	225	1909					
15706000	Kougarok River above Coarse Gold Creek near Taylor	65°35'40"	164°45'50"	254	1907-09					

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

a - approximately; g - includes Imuruk Lake; C - Crest-stage; D - Daily; G - Gage height and/or streamflow data; S - Seasonal or fragmentary

Station identification	Name	Location		Drainage area (square miles)	Streamflow		Water-Quality			
		Latitude	Longitude		Continuous record	Partial record	Chemical	Water temperature	Sediment	Biological
15708000	Coarse Gold Creek near Taylor	65°35'35"	164°45'30"	a34	1907-08 G; 09					
15710000	NF Kougarok River near Taylor	65°36'00"	164°41'00"	a66	1907 G; 08-09					
15712000	Kuzitrin River near Nome	65°13'17"	164°37'15"	a1720	1908-10; 62-73		1967; 71-72		1965-72	
15714000	Star Creek near Taylor				1907 S					
15716000	Goodhope River near Cotton-wood	65°48'30"	163°51'10"	194	1909					
15718000	Immachuk River at Utica	65°54'00"	163°02'00"	145	1909					
15720000	Imuruk Lake outlet near Utica	65°33'30"	163°04'30"	102	1909 G					
15722000	Fairhaven ditch at intake near Utica	65°33'21"	163°04'20"		1909					
15724000	Fairhaven ditch at Camp 2 near Utica	65°34'00"	162°57'50"		1908 G; 09					
15726000	Fairhaven ditch at Snow Gulch near Utica	65°51'00"	163°02'00"		1908 G; 09					
15728000	Kugruk River near Utica	65°33'20"	163°04'20"	102	1909					
15730000	Kugruk River near Candle	65°51'00"	162°27'00"	g556	1909					
15730200	Chicago Creek at coal mine near Candle			a32	1908					
15734000	Quartz Creek near Candle	65°32'00"	161°21'00"	a56	1909					
15736000	Glacier Creek near Candle	65°31'15"	162°08'10"	a10	1908-09					
15737000	Dome Creek at siphon cros-sing near Candle			a16	1909					
15740000	Hunter Creek near Candle	65°42'00"	161°21'00"	a32	1908-09					

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

a - approximately; g - includes Imuruk Lake; C - Crest-stage; D - Daily; G - Gage height and/or streamflow data; S - Seasonal or fragmentary

Station identification	Name	Location		Drainage area (square miles)	Streamflow		Water-Quality			
		Latitude	Longitude		Continuous record	Partial record	Chemical	Water temperature	Sediment	Biological
15742000	Kiwalik River at Candle	65°55'00"	161°55'00"	a800	1908 G; 09					
15743000	June Creek near Kotzebue	66°51'37"	162°36'13"	10.9	1965-67		1967-68		1967	
663551160003200	Selawik River at Selawik	66°35'51"	160°00'32"				1972			
665330157074500	Kobuk River at Shungnak	66°53'30"	157°07'45"				1952; 55; 72			
15744000	Kobuk River at Ambler	67°05'13"	157°50'51"	a6570	1965-78		1967-72; 75; 77		1967-72; 75	1977
15744500	Kobuk River near Kiana	66°58'27"	160°07'51"	a9520	1976-		1976-	1978-	1976-	1976-
670200160240000	Squirrel River near Kiana	67°02'00"	160°24'00"				1977			1977
674416156133000	Noatak River below Ipnelivik River near Noatak	67°44'16"	156°13'30"				1978			
675115156252700	Midas Creek at mouth near Noatak	67°51'15"	156°25'27"	204			1978			
675150158134000	Noatak River above Cutler River near Noatak	67°51'50"	158°13'40"	3420			1978			
675054158192000	Cutler River at mouth near Noatak	67°50'54"	158°19'20"	1100			1978			
680139158380400	Makpik Creek at mouth near Noatak	68°01'39"	158°38'04"	270			1978			
680140158553500	Noatak River above Anisak River near Noatak	68°01'40"	158°55'35"	4960			1978			
680240158570000	Anisak River at mouth near Noatak	68°02'40"	158°57'00"	805			1978			
680211159023600	Noatak River below Anisak River near Noatak	68°02'11"	159°02'36"	5780			1978			
681257159552300	Nimiuktuk River below Tumit Creek near Noatak	68°12'57"	159°55'23"	520			1978			

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

a - approximately; g - includes Imuruk Lake; C - Crest-stage; D - Daily; G - Gage height and/or streamflow data; S - Seasonal or fragmentary

Station identification	Name	Location		Drainage area (square miles)	Streamflow		Water-Quality			
		Latitude	Longitude		Continuous record	Partial record	Chemical	Water temperature	Sediment	Biological
680024160110000	Noatak River below Nimiuktuk River near Noatak	68°00'24"	160°11'00"	6750			1978			
675523160561000	Noatak River in Grand Canyon near Noatak	67°55'23"	160°56'10"	7800			1978			
675754161364000	Noatak River in Noatak Canyon near Noatak	67°57'54"	161°36'40"	8460			1978			
675745161442000	Lake Tulugak at outlet near Noatak	67°57'45"	161°44'20"				1978			
681317161291400	Kugururok River above Trail Creek near Noatak	68°13'17"	161°29'14"	440			1978			
680124161500800	Kugururok River near Noatak	68°01'24"	161°50'08"	860			1977-78			1977
675648162020400	Noatak River below Kugururok River near Noatak	67°56'48"	162°02'04"	9560			1978			
674913162415000	Noatak River above Noatak	67°49'13"	162°41'50"	10510			1978			
15746000	Noatak River at Noatak	67°34'18"	162°56'38"	a12000	1965-71		1955-56; 67		1966-71	
672804163044800	Noatak River above Eli River near Noatak	67°28'04"	163°04'48"	10890			1978			
672528162590500	Eli River near mouth near Noatak	67°25'28"	162°59'05"	510			1978			
671524162350900	Noatak River near Noatak	67°15'24"	162°35'09"				1977-78			1977
674954163580000	Wulik River near Kivalina	67°49'54"	163°58'00"				1977			1977
674842164304200	Kivalina River near Kivalina	67°48'42"	164°30'42"				1977			1977
675229164520400	Okpiksugruk Creek near Kivalina	67°52'29"	164°52'04"				1961			
675845165091500	Singoalik River near Kivalina	67°58'45"	165°09'15"				1959			

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

a - approximately; g - includes Imuruk Lake; C - Crest-stage; D - Daily; G - Gage height and/or streamflow data; S - Seasonal or fragmentary

Station identification	Name	Location		Drainage area (square miles)	Streamflow		Water-Quality			
		Latitude	Longitude		Continuous record	Partial record	Chemical	Water temperature	Sediment	Biological
680355165294500	Kisimilok Creek near Kivalina	68°03'55"	165°29'45"				1959			
15748000	Ogotoruk Creek near Point Hope	68°06'40"	165°45'10"	a35	1958-62		1958-59 D; 1959 60-61; 77	1959 D		1977
680630165510000	Nasorak Creek near Point Hope	68°06'30"	165°51'00"				1959			
682530165290000	Ipewik River near Kukpuk	68°25'30"	165°29'00"				1977			1977
682030165423000	Ipewik River near Cape Thompson	68°20'30"	165°42'30"				1961			
682424165564000	Kukpuk River at Kukpuk	68°24'24"	165°56'40"				1976-77			1977
634133170283000	Unnamed Creek at Savoonga	63°41'33"	170°28'30"				1957			

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