

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

GROUND-WATER LEVELS IN ALASKA, WATER YEAR 1983

by Jilann O. Brunett

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ALASKA DEPARTMENT OF NATURAL RESOURCES, DIVISION OF
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FAIRBANKS NORTH STAR BOROUGH
KENAI PENINSULA BOROUGH
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1986

UNITED STATES DEPARTMENT OF THE INTERIOR

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By Jilann O. Brunett

INTRODUCTION

The primary objectives of any ground-water level measurement program are to monitor fluctuations of hydrostatic head in aquifers and to detect significant water-level changes in wells. For maximum effectiveness, a water-level measurement program should provide a means for storage, retrieval, and dissemination of the data. It is especially important that potential users of water-level data know that those data are readily available in a useable and understandable format.

This report summarizes ground-water level data for the 1983 water year (October 1, 1982 to September 30, 1983) for observation wells at which water levels are either recorded continuously or measured intermittently. For wells at which water levels are measured semi-annually, 10-year summaries are presented. All the data are available upon request from the U.S. Geological Survey, Water Resources Division, in Anchorage, Fairbanks, or Juneau, Alaska. The report is divided into sections. Each section begins with a location map or series of location maps followed by well information, including a description of each well and a graph of water-level data for each well. Water levels that were measured intermittently are shown in the hydrographs as *'s and are connected by a dashed line. Water levels that were measured by a continuous recorder are shown as a solid line.

Each well is identified by a station number and a local number. The station number consists of 15 digits which describe each well's location based on latitude and longitude. The first six digits denote the degrees, minutes, and seconds of latitude, the next seven digits denote the degrees, minutes, and seconds of longitude, and the last two digits identify the well within a 1-second grid and are assigned sequentially.

The local number is based on the well's location within the rectangular subdivision of public lands (see diagram). The first two letters indicate the principal meridian and the quadrant formed by the intersection of the base line and the principal meridian. The first three digits indicate the township in which the well is located, the next three digits the range, and the following two digits the section. Letters following the section number indicate the quarter section, the quarter-quarter section and so forth to the fourth-order subdivision. The quarter-section subdivisions are lettered counter-clockwise from the northeast corner. Each well within the smallest order of subdivision has a sequential number. Finally, each well within a section is assigned a map number. The map number is a U.S. Geological Survey office number which is assigned sequentially to the fourth-order quarter subdivision within each section. Thus, SD00200310CDAD1001 indicates the Seward meridian (S), the southeast quadrant (D), township 2 south, range 3 east, section 10; and the well is in the SE $\frac{1}{4}$ of the NE $\frac{1}{4}$ of the SE $\frac{1}{4}$ of the SW $\frac{1}{4}$ of the section (CDAD). It was the first well in the fourth-order quarter subdivision assigned a sequential number (1). The next three digits, 001, indicates it was the first well plotted in the one-square-mile section.

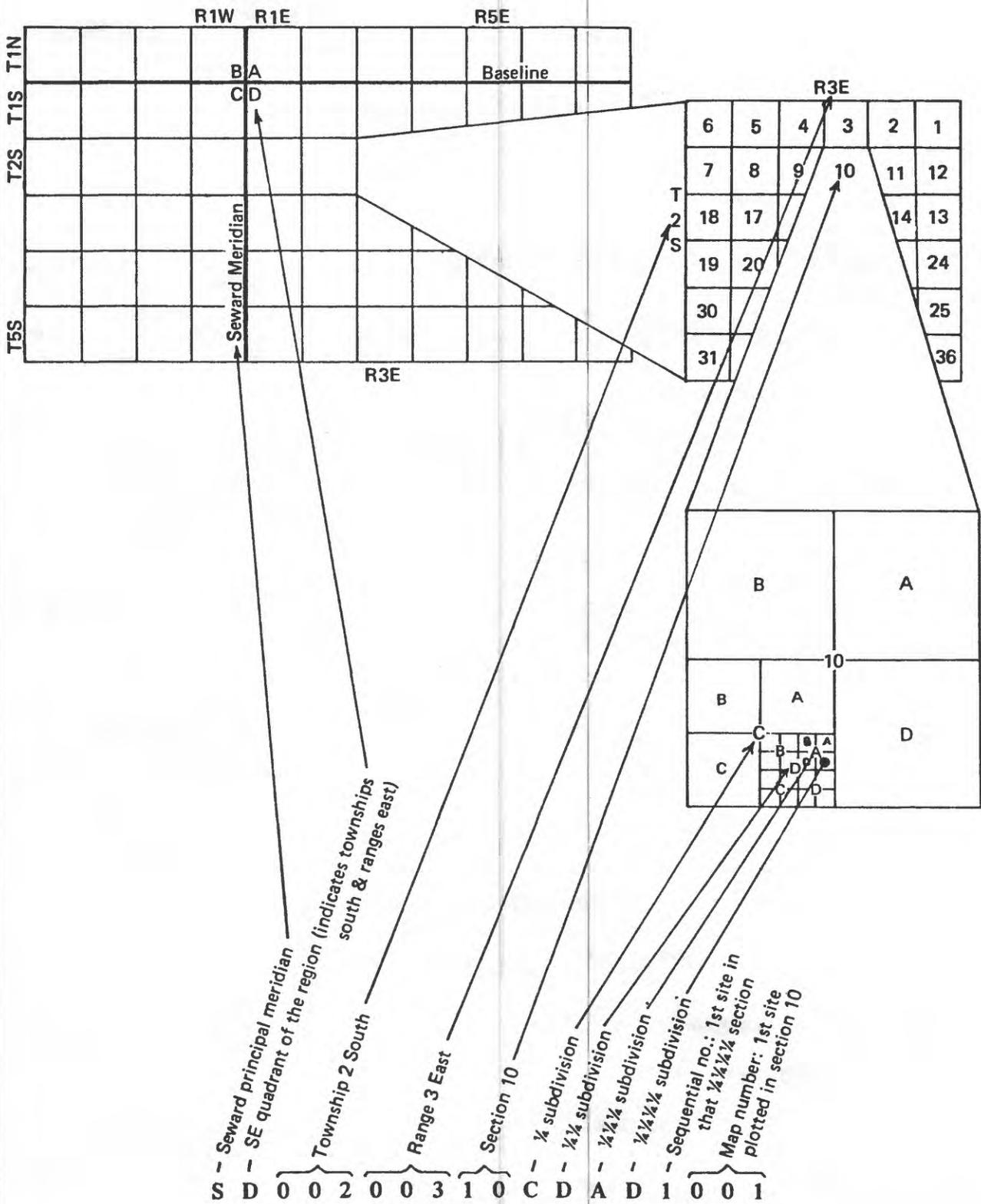


Diagram showing derivation of local number from the official rectangular subdivision of public lands.

Cooperation

The U.S. Geological Survey collects and compiles observation-well data in cooperation with the following:

Alaska Department of Natural Resources, Division of Geological and Geophysical Surveys (DGGS)
City and Borough of Juneau (JUNEAU)
Fairbanks North Star Borough (FNSB)
Kenai Peninsula Borough (KENAI PB)
Matanuska-Susitna Borough (MAT-SU)
Municipality of Anchorage (MUN. ANCH)

In addition to assisting the Survey, the Alaska Department of Natural Resources, Division of Geological and Geophysical Surveys (DGGS) maintains its own observation-well network. Data from DGGS observation wells are published in this report. Observation wells and the agency providing funds to monitor the wells are listed in the index.

Definition of Terms

Terms related to wells and water levels, as used in this report, are defined below:

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable materials to yield useable quantities of water to wells and springs.

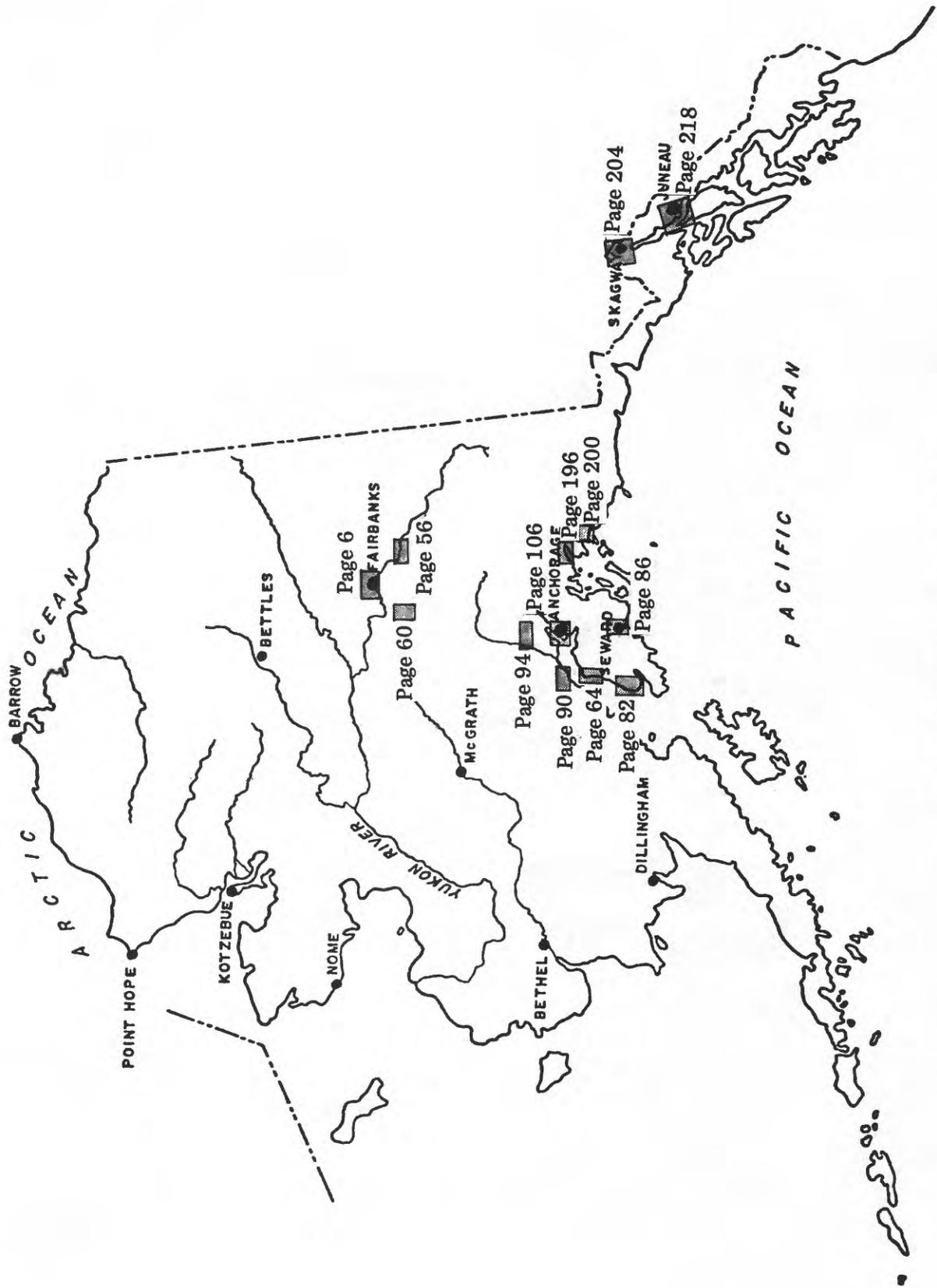
Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination on the State Hydrologic Unit Maps; each hydrologic unit is defined by an eight-digit number.

Water year is a 12-month period beginning October 1 and ending September 30.

Explanation of Maps

Scales: On index maps (1:250,000), 1 inch equals 4 miles.
 On area maps (1:63,360), 1 inch equals 1 mile.
 Exceptions will have scale on map.

Location Number: This number references the fourth-order quarter subdivision where wells are located. If more than one well occurs in that subdivision, the number of wells is indicated in parentheses.



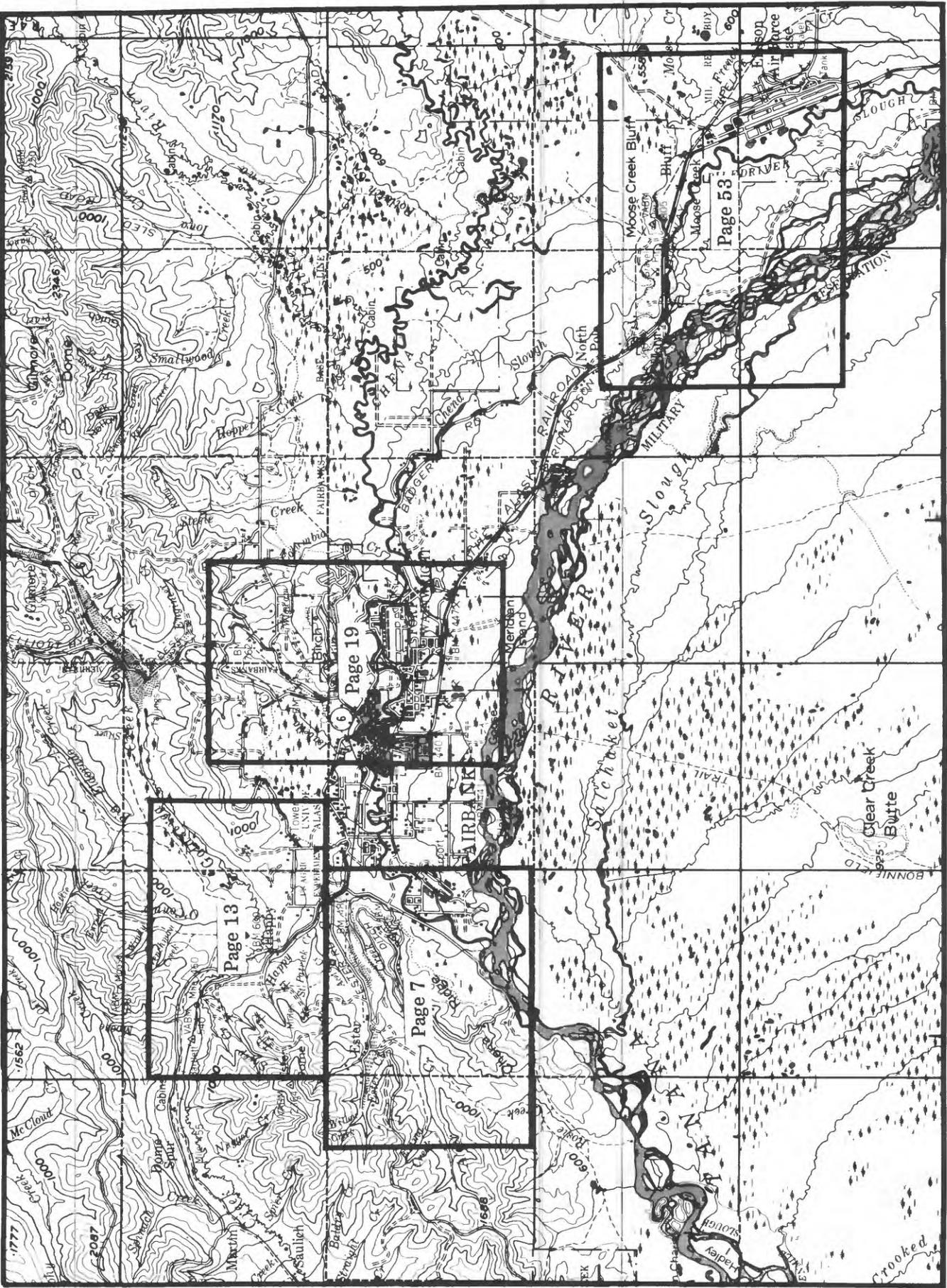
Index to maps on pages indicated.

147°00'

147°30'

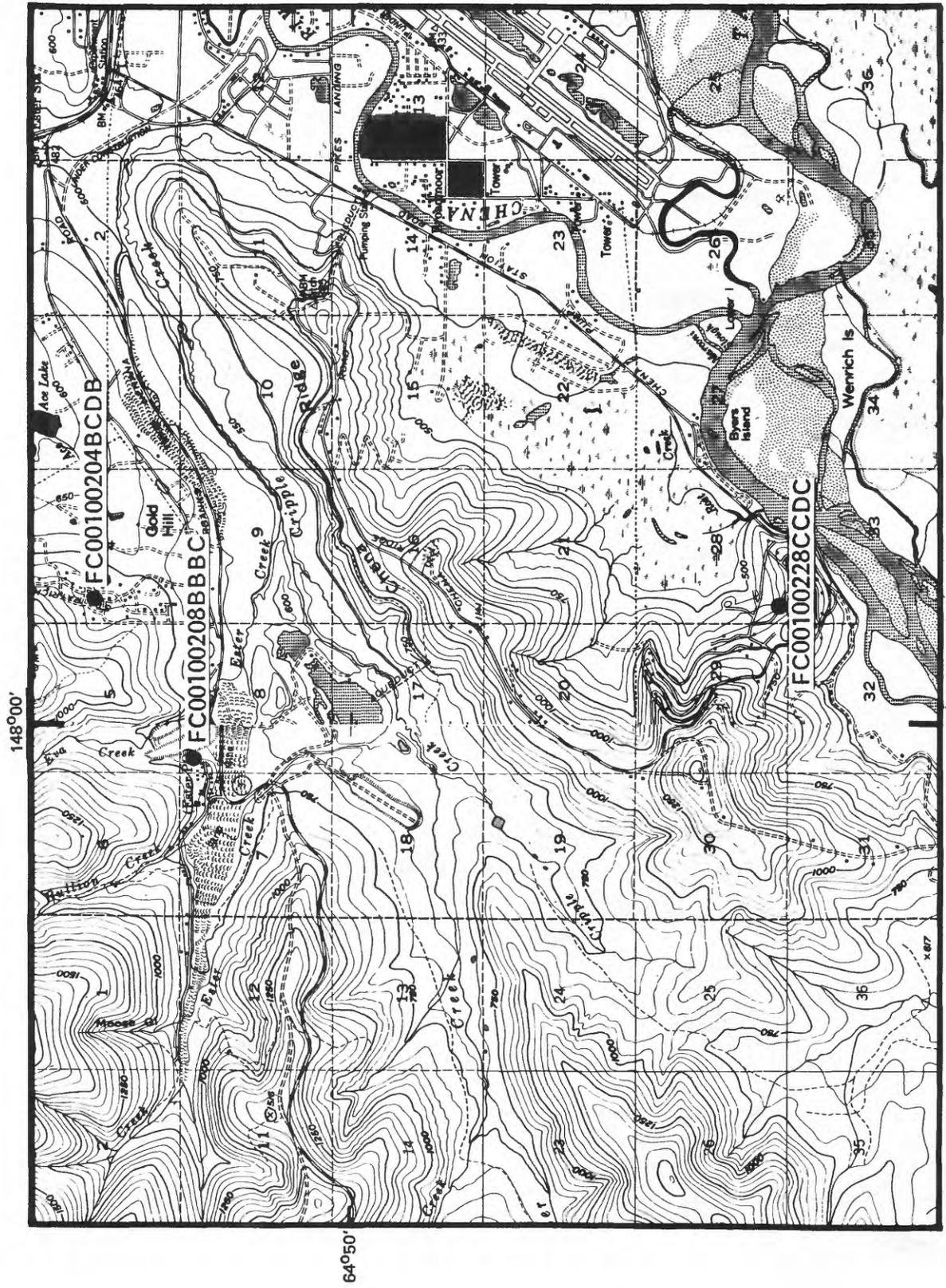
148°00'

65°00'



Fairbanks area.

64°45'



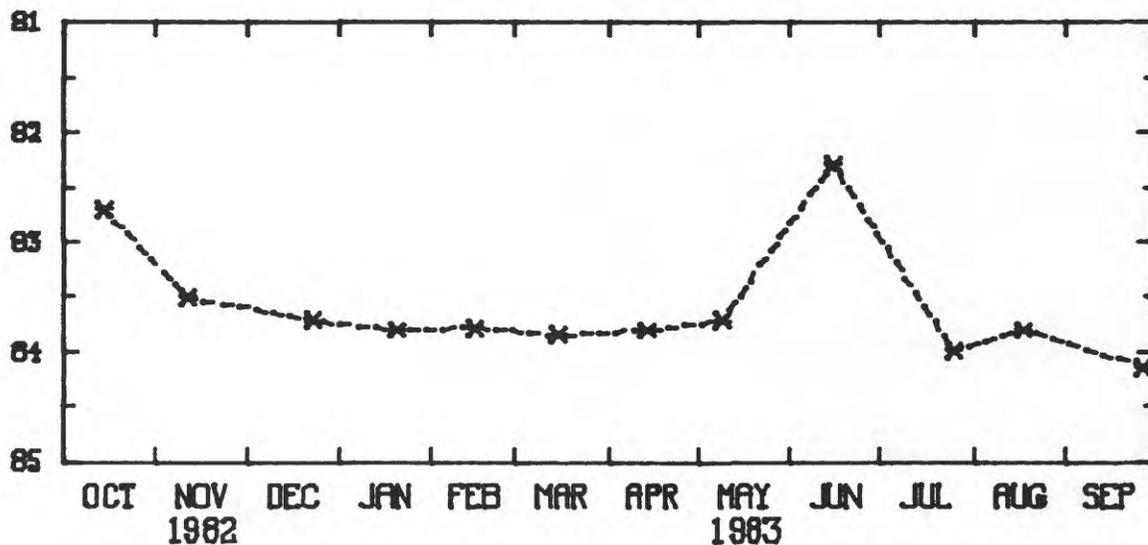
Location of wells on pages 8 - 11.

645129147582101. Local number, FC00100204BCDB2 021.
LOCATION.--Lat 64°51'29", long 147°58'21", Hydrologic unit 19030004,
Lot 1, Block 5 of Bluebird Subdivision, 4 mi west of Fairbanks.
Owner: U.S. Geological Survey.
AQUIFER: Metamorphic bedrock of pre-Jurassic age.
WELL CHARACTERISTICS.--Diameter 2 in, depth 180 ft, casing
information not available.
INSTRUMENTATION.--Monthly measurement with chalked steel tape or
calibrated electric tape by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 780 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80.95 ft
below land-surface datum, May 8, 1978; lowest measured, 84.14 ft
below land-surface datum, Sep. 27, 1983.
REMARKS.--U.S. Geological Survey Test Well 2. Well is located
50 ft from a well that is pumped for domestic purposes.

645054148003901. Local number, FC00100208BBBC1 014.
LOCATION.--Lat 64°50'54", long 148°00'39", Hydrologic unit 19030004,
0.5 mi uphill from post office in Ester.
Owner: U.S. Geological Survey.
AQUIFER.--Metamorphic bedrock of pre-Jurassic age.
WELL CHARACTERISTICS.--Diameter 2 in, depth 189 ft, casing
information not available.
INSTRUMENTATION.--Monthly measurement with chalked steel tape or
calibrated electric tape by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 730 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured,
131.15 ft below land-surface datum, July 16, 1977; lowest
measured, 137.27 ft below land-surface datum, May 16, 1983.
REMARKS.--U.S. Geological Survey Test Well 1.

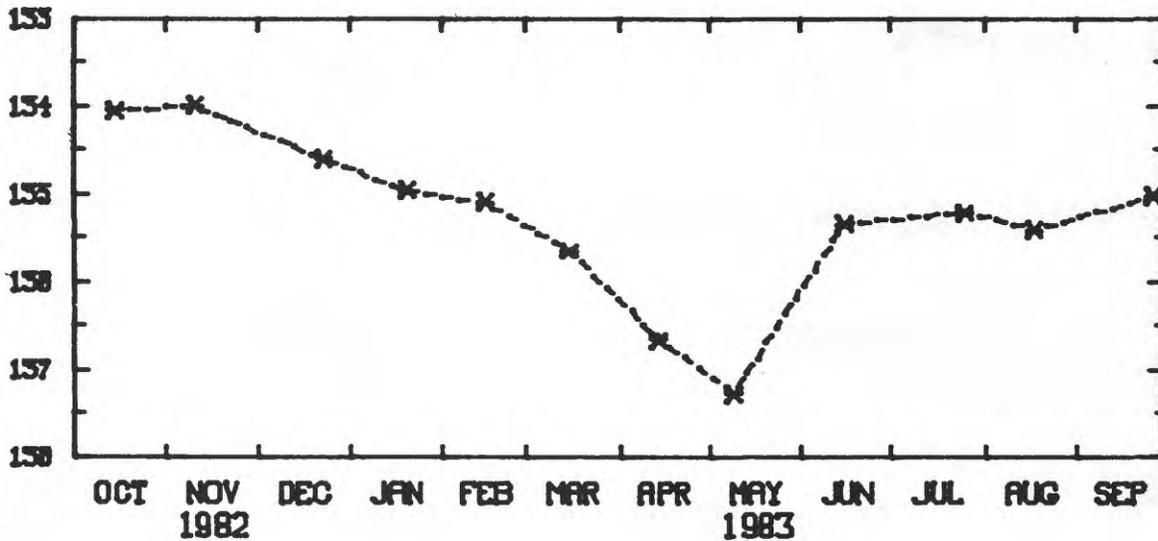
FC00100204BCDB2 021

WATER LEVEL, IN FT BELOW LSD



FC0010020888BC1 014

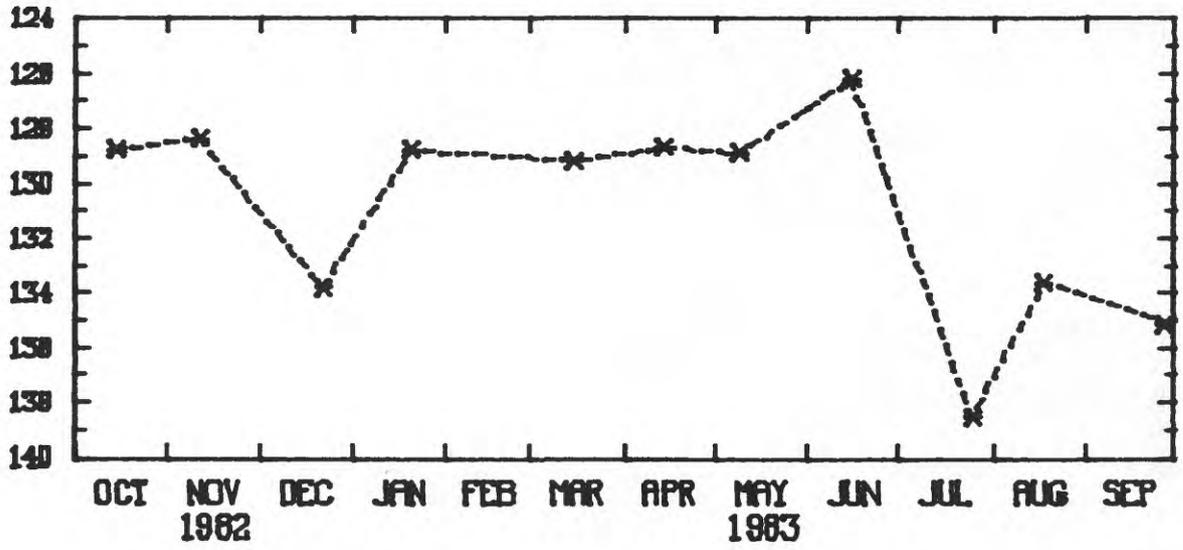
WATER LEVEL, IN FT BELOW LSD

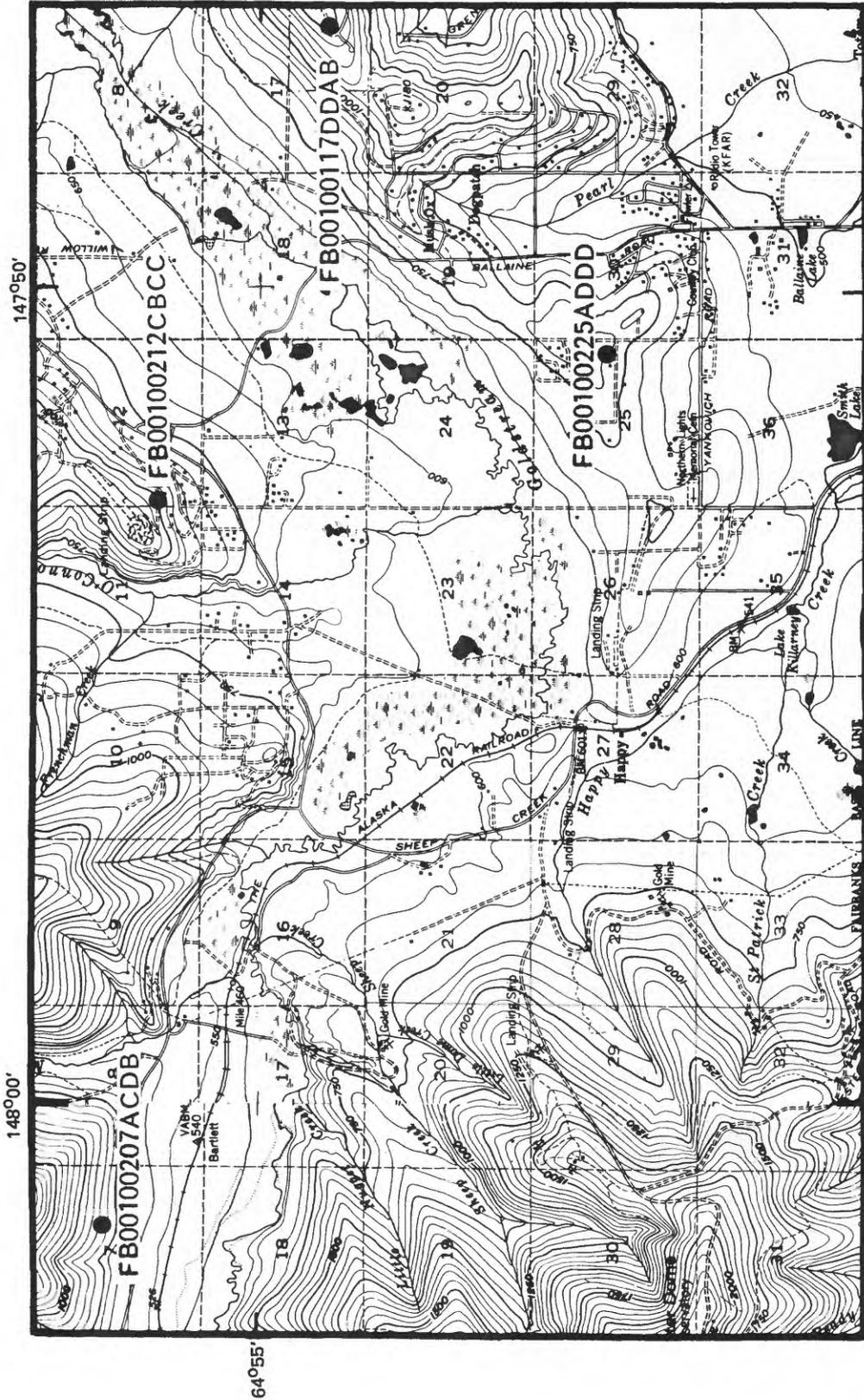


644739147581001. Local number, FC00100228CCDC1 006.
LOCATION.--Lat 64°47'31", long 147°58'28", Hydrologic unit 19030004,
Edenella Heights Subdivision, Chena Ridge Road, near Fairbanks.
Owner: Malcolm Pearson.
AQUIFER.--Metamorphic bedrock of pre-Jurassic age.
WELL CHARACTERISTICS.--Diameter 6 in, depth 205 ft, perforated
177 to 192 ft, open 192 to 205 ft.
INSTRUMENTATION.--Monthly measurement with chalked steel tape or
calibrated electric tape by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 690 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured,
116.44 ft below land-surface datum, June 13, 1978; lowest
measured, 138.52 ft below land-surface datum, July 25, 1983.
REMARKS.--Water is pumped from the well for domestic uses.

FC00100228CCDC1 006

WATER LEVEL, IN FT BELOW LSD





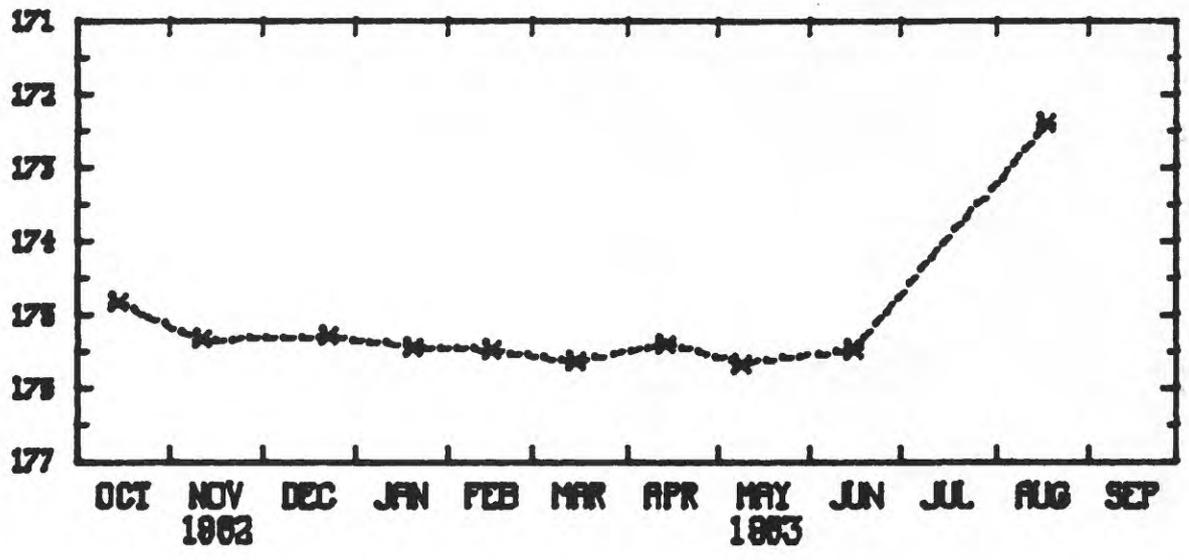
Location of wells on pages 14 - 17.

645546148013501. Local number, FB00100207ACDB1 011.
LOCATION.--Lat 64°55'46", long 148°01'35", Hydrologic unit 19030004,
Lot 11 Block 4 of Spinach Creek Subdivision, off Murphy Dome
Road, near Fairbanks.
Owner: Ken Dean.
AQUIFER.--Metamorphic bedrock of pre-Jurassic age.
WELL CHARACTERISTICS.--Diameter 6 in, depth 220 ft, perforated
183 to 198 ft, open 198 to 220 ft.
INSTRUMENTATION.--Monthly measurements with chalked steel tape or
calibrated electric tape by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 825 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured,
172.40 ft below land-surface datum, Aug. 18, 1983; lowest
measured, 176.98 ft below land-surface datum, Mar. 25, 1982.
REMARKS.--Water is pumped from the well for domestic purposes.

645531147524001. Local number, FB00100212CBCC1 004.
LOCATION.--Lat 64°55'31", long 147°52'40", Hydrologic unit 19030004,
2330 Stevens Avenue in Goldstream Acres Subdivision, near
Fairbanks.
Owner: Dennis Trabant.
AQUIFER.--Metamorphic bedrock of pre-Jurassic age.
WELL CHARACTERISTICS.--Diameter 6 in, depth 280 ft, perforated
249 to 264 ft, open 264 to 280 ft.
INSTRUMENTATION.--Monthly measurements with chalked steel tape or
calibrated electric tape by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 950 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured,
231.00 ft below land-surface datum, Apr. 9, 1977; lowest
measured, 250.83 ft below land-surface datum, July 24, 1983.
REMARKS.--Water is pumped from the well for domestic uses.

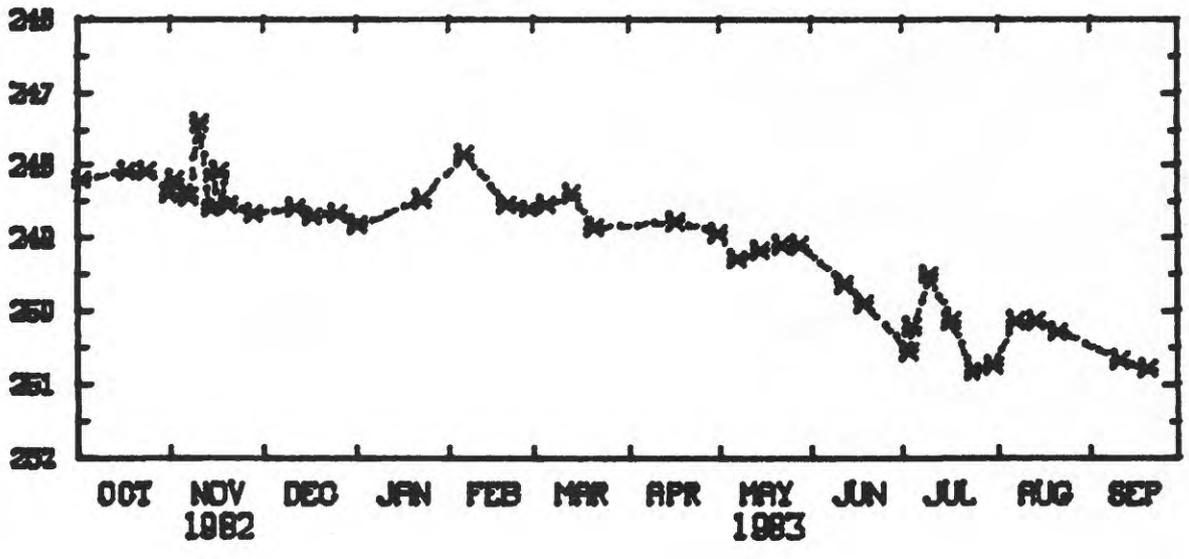
FB00100207ADDB1 011

WATER LEVEL, IN FT BELOW LSD



FB00100212CBCC1 004

WATER LEVEL, IN FT BELOW LSD

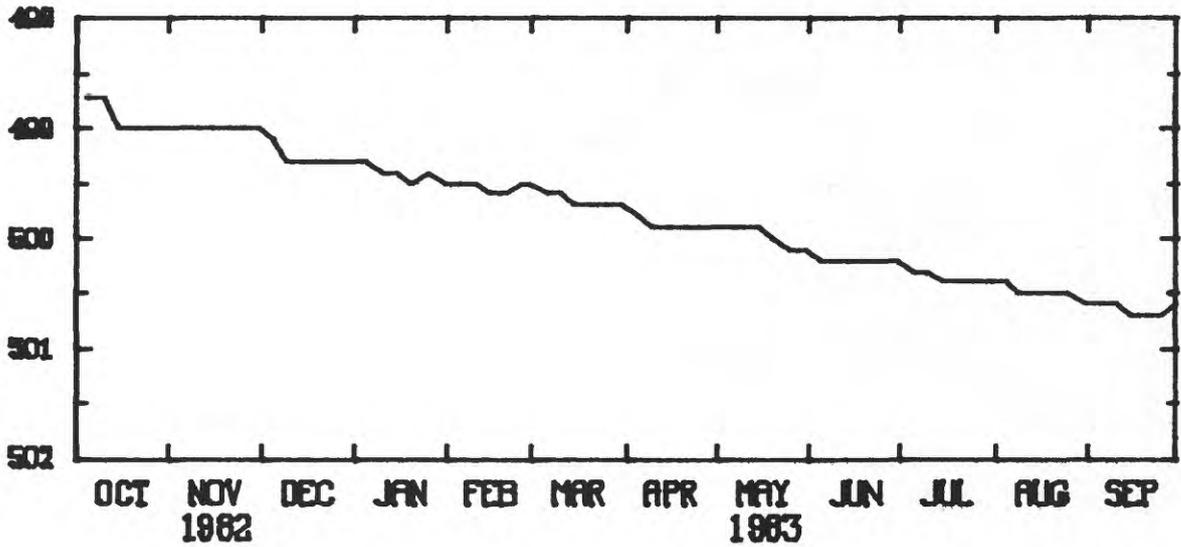


645442147461601. Local number, FB00100117DDAB1 001.
LOCATION.--Lat 64°54'38", long 147°46'45", Hydrologic unit 19030004,
1.4 mi northwest of intersection of Farmers Loop Road and Ski
Boot Hill Road, near Fairbanks.
Owner: U.S. Geological Survey.
AQUIFER.--Metamorphic bedrock of pre-Jurassic age.
WELL CHARACTERISTICS.--Diameter 6 in, depth 565 ft, open 370 to
565 ft.
INSTRUMENTATION.--Continuous strip-chart recorder.
DATUM.--Altitude of land surface is 1,283 ft (determined from levels
survey).
PERIOD OF RECORD.--1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 473.53 ft
below land-surface datum, May 28, 1975; lowest, 500.70 ft
below land-surface datum, Sep. 15-25, 1983.
REMARKS.--U.S. Air Force B-61 site.

645312147505001. Local number, FB00100225ADDD1 006.
LOCATION.--Lat 64°53'12", long 147°50'50", Hydrologic unit 19030004,
corner of Dalton Trail and Nottingham Loop, near Fairbanks.
Owner: Fred Pratt.
AQUIFER.--Metamorphic bedrock of pre-Jurassic age.
WELL CHARACTERISTICS.--Diameter 5 in. to 118 ft, 4 in. liner to
263 ft., depth 263 ft, perforated and open from 227 to 263 ft.
INSTRUMENTATION.--Monthly measurement with chalked steel tape or
calibrated electric tape by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 810 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured,
139.42 ft below land-surface datum, Nov. 25, 1981; lowest
measured, 149.02 ft below land-surface datum, Apr. 21, 1979.
REMARKS.--Water is pumped from well for domestic uses.

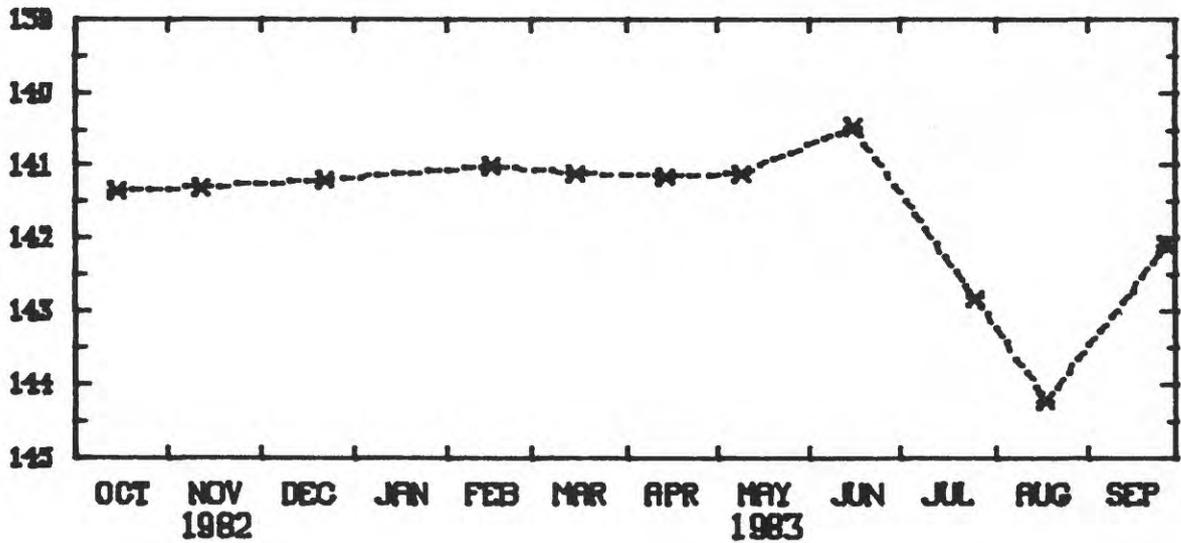
FB00100117DDAB1 001

WATER LEVEL, IN FT BELOW LSD



FB00100225A0001 006

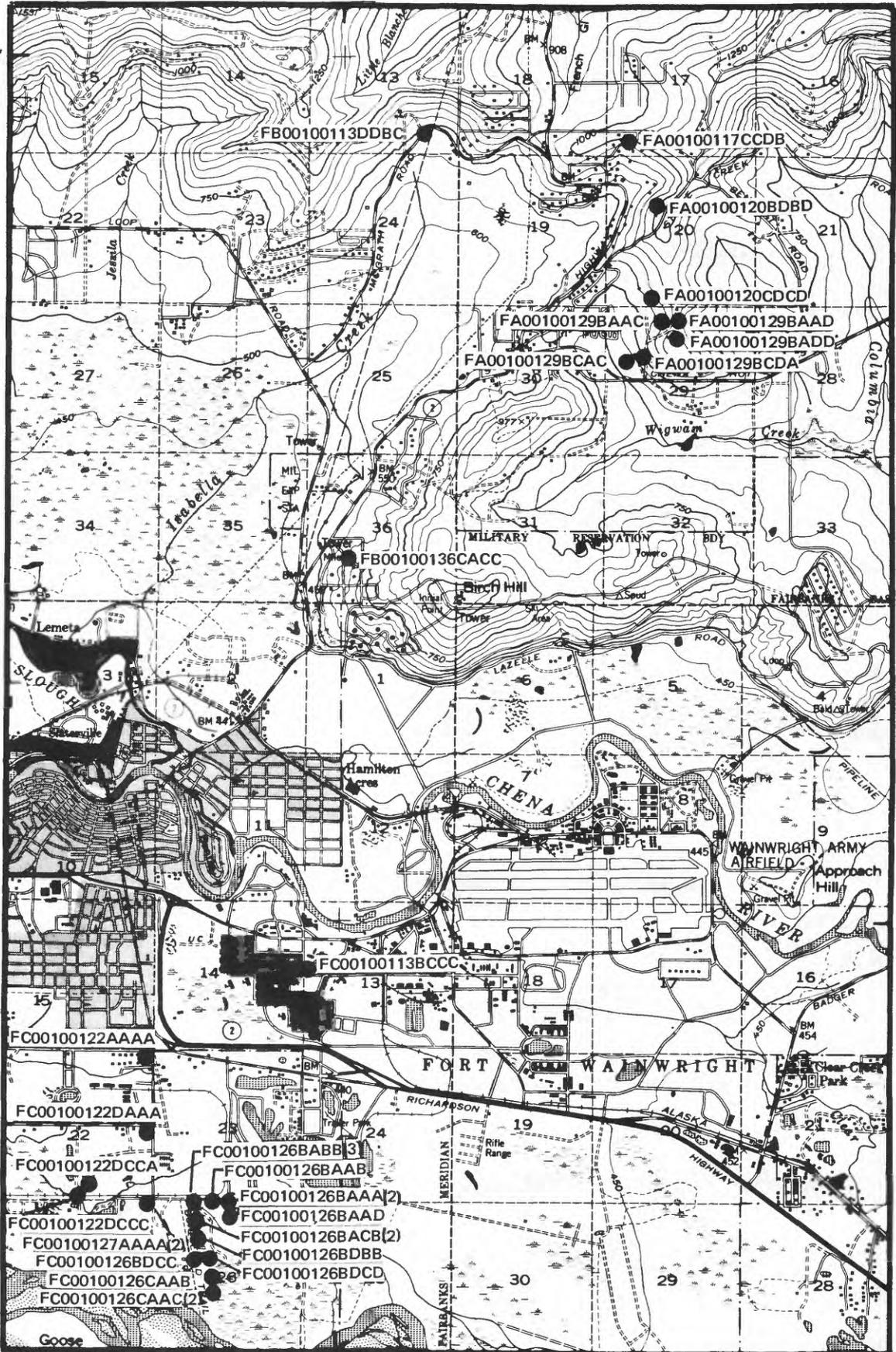
WATER LEVEL, IN FT BELOW LSD



147°40'

64°55'

64°50'



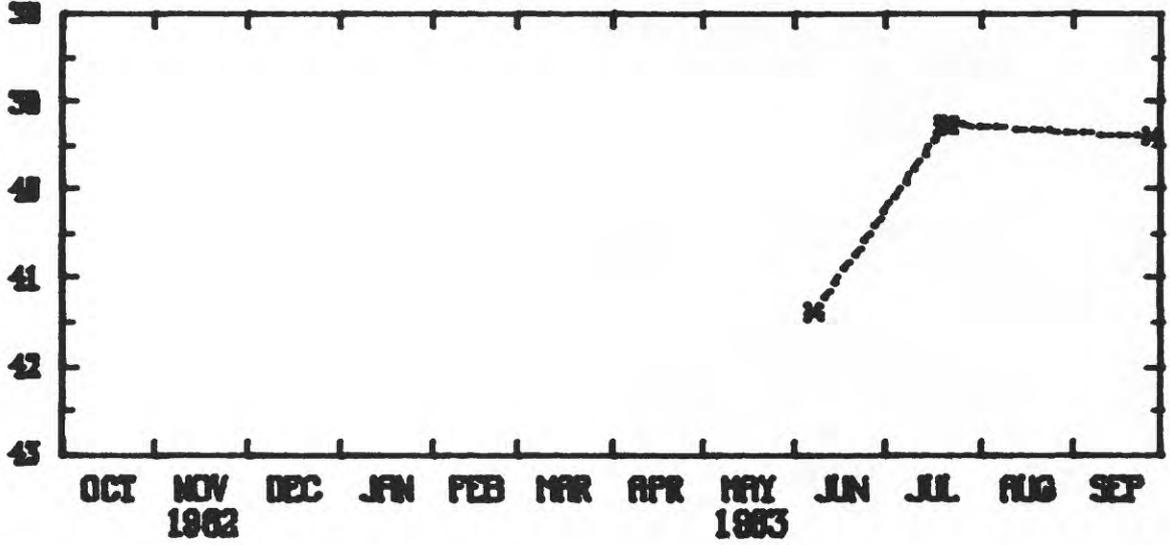
Location of wells on pages 20 - 51.

645434147385101. Local number, FB00100113DDBC2 001.
LOCATION.--Lat 64°54'34", long 147°38'51", Hydrologic unit 19030004,
in the right-of-way of McGrath Road, 2.2 mi north of Farmers
Loop Road, near Fairbanks.
Owner: U.S. Geological Survey.
AQUIFER.--Metamorphic bedrock of pre-Jurassic age.
WELL CHARACTERISTICS.-- Diameter 6 in, depth 100 ft, perforated
88 to 98 ft, open 98 to 100 ft.
INSTRUMENTATION.--Monthly measurement with chalked steel tape or
calibrated electric tape by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 748 ft (determined from levels
survey).
PERIOD OF RECORD.--Current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured,
39.25 ft below land-surface datum, July 22, 1983; lowest
measured, 41.39 ft below land-surface datum, June 7, 1983.
REMARKS.--U.S. Geological Survey McGrath Estates well.
This well replaces old observation well 645426147383801
which was abandoned.

645205147395201. Local number, FB00100136CACCI 016.
LOCATION.--Lat 64°52'05", long 147°39'52", Hydrologic unit 19030004,
0.5 mi east of intersection of Farmers Loop Road and Steese
Highway, near Fairbanks.
Owner: Ken Doyle.
AQUIFER.--Metamorphic bedrock of pre-Jurassic age.
WELL CHARACTERISTICS.-- Diameter 6 in, depth 165 ft, perforated
137 to 152 ft, open 152 to 165 ft.
INSTRUMENTATION.--Monthly measurement with chalked steel tape or
calibrated electric tape by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 610 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured,
112.60 ft below land-surface datum, Aug. 18, 1983; lowest
measured, 121.40 ft below land-surface datum, Sep. 26, 1977.
REMARKS.--Water is pumped from the well for domestic uses.

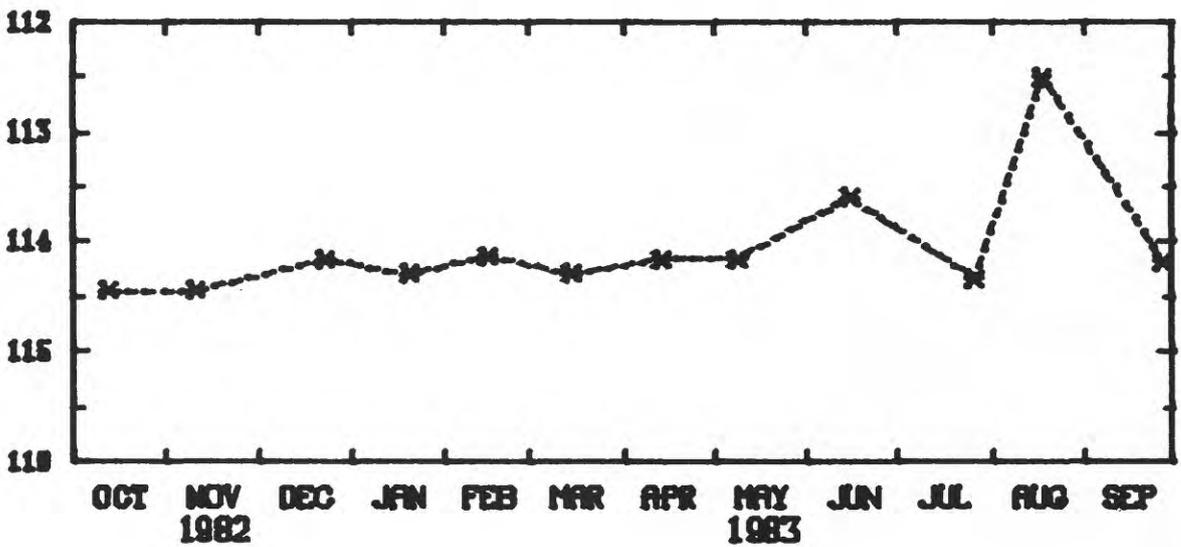
FB00100113008C2 001

WATER LEVEL, IN FT BELOW LSD



FB00100136CACC1 016

WATER LEVEL, IN FT BELOW LSD

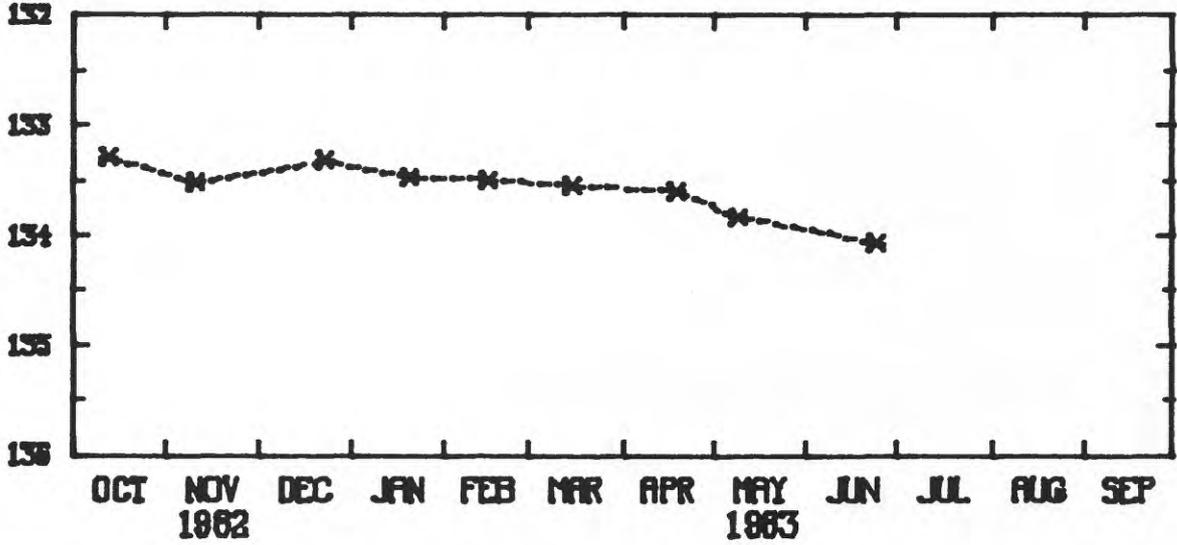


645429147360401. Local number, FA00100117CCDB1 020.
LOCATION.--Lat 64°54'29", long 147°36'04", Hydrologic unit 19030004,
0.3 mi south of Hagelbarger Road in Grandview Subdivision,
near Fairbanks.
Owner: U.S. Geological Survey.
AQUIFER.--Metamorphic bedrock of pre-Jurassic age.
WELL CHARACTERISTICS.--Diameter 2 in, depth 243 ft, open 60 to
243 ft.
INSTRUMENTATION.--Monthly measurements with chalked steel tape
or calibrated electric tape by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 1,000 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured,
126.74 ft below land-surface datum, Mar. 29, 1980; lowest
measured, 134.07 ft below land-surface datum, June 22, 1983.
REMARKS.--U.S. Geological Survey Test Well 3.

645407147354301. Local number, FA00100120BDBD1 010.
LOCATION.--Lat 64°54'07", long 147°35'43", Hydrologic unit 19030004,
in right-of-way of Steese Highway, 0.3 mi south of Hagelbarger
Road, near Fairbanks.
Owner: Alaska Department of Transportation and Public Facilities.
AQUIFER.--Metamorphic bedrock of pre-Jurassic age.
WELL CHARACTERISTICS.--Diameter 6 in, depth 190 ft, cased to 140 ft,
open to 190 ft.
INSTRUMENTATION.--Monthly measurements prior to 1983 made by Alaska
Department of Transportation and Public Facilities personnel.
Monthly measurements with chalked steel tape or calibrated
electric tape made by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 964 ft (determined from levels
survey).
PERIOD OF RECORD.--1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured,
153.50 ft below land-surface datum, Apr. 26, 1983; lowest
measured, 169.50 ft below land-surface datum, May 20, 1980.
REMARKS.--Alaska DOT Well No. 1.

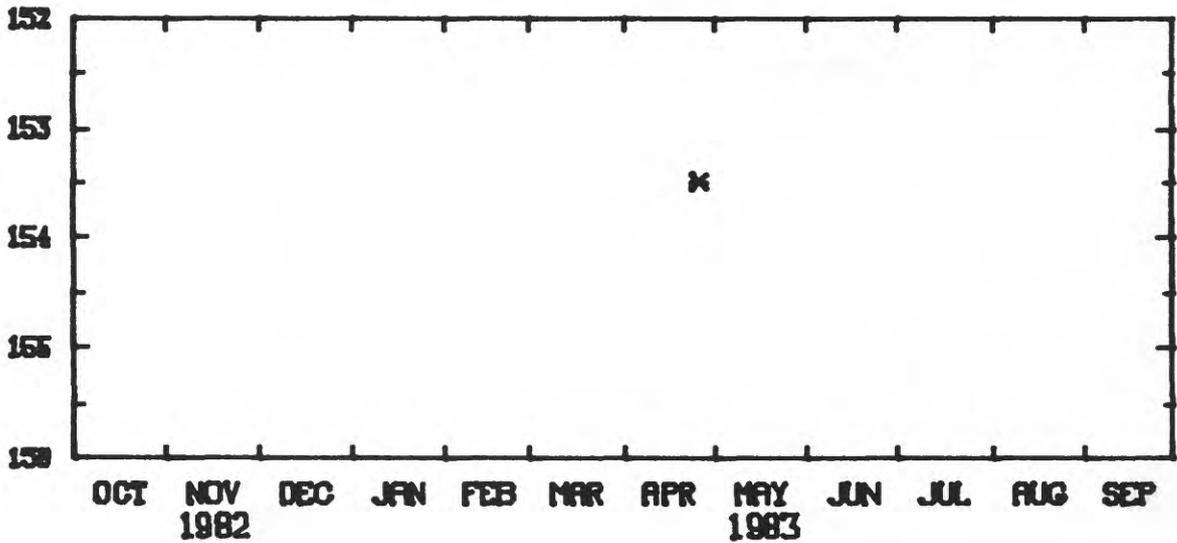
FA0010011700081 020

WATER LEVEL, IN FT BELOW LSD



FA0010012080801 010

WATER LEVEL, IN FT BELOW LSD



645335147354201. Local number, FA00100120CDD1 038.

LOCATION.--Lat 64°53'35", long 147°35'42", Hydrologic unit 19030004, 0.7 mi northeast of corner of Steese Highway and Chena Hot Springs Road, near Fairbanks.

Owner: Jon Lundquist.

AQUIFER.--Metamorphic bedrock of pre-Jurassic age.

WELL CHARACTERISTICS.--Diameter 6 in, depth 205 ft, open 195 to 205 ft.

INSTRUMENTATION.--Intermittent measurements with calibrated electric tape by personnel from State of Alaska Division of Geological and Geophysical Surveys or Division of Land and Water Management.

DATUM.--Altitude of land surface is 850 ft (determined from topographic map).

PERIOD OF RECORD.--Current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 109.35 ft below land-surface datum, Dec. 30, 1982; lowest measured, 135.67 ft below land-surface datum, July 8, 1983.

REMARKS.--Water is pumped from the well for domestic uses.

645328147353501. Local number, FA00100129BAAC1 017.

LOCATION.--Lat 64°53'28", long 147°35'35", Hydrologic unit 19030004, 1.0 mi Chena Hot Springs Road, near Fairbanks.

Owner: Doug Kansky.

AQUIFER.--Metamorphic bedrock of pre-Jurassic age.

WELL CHARACTERISTICS.--Diameter 6 in, depth 280 ft, open 275 to 280 ft.

INSTRUMENTATION.--Intermittent measurements with calibrated electric tape by personnel from State of Alaska Division of Geological and Geophysical Surveys or Division of Land and Water Management.

DATUM.--Altitude of land surface is 880 ft (determined from topographic map).

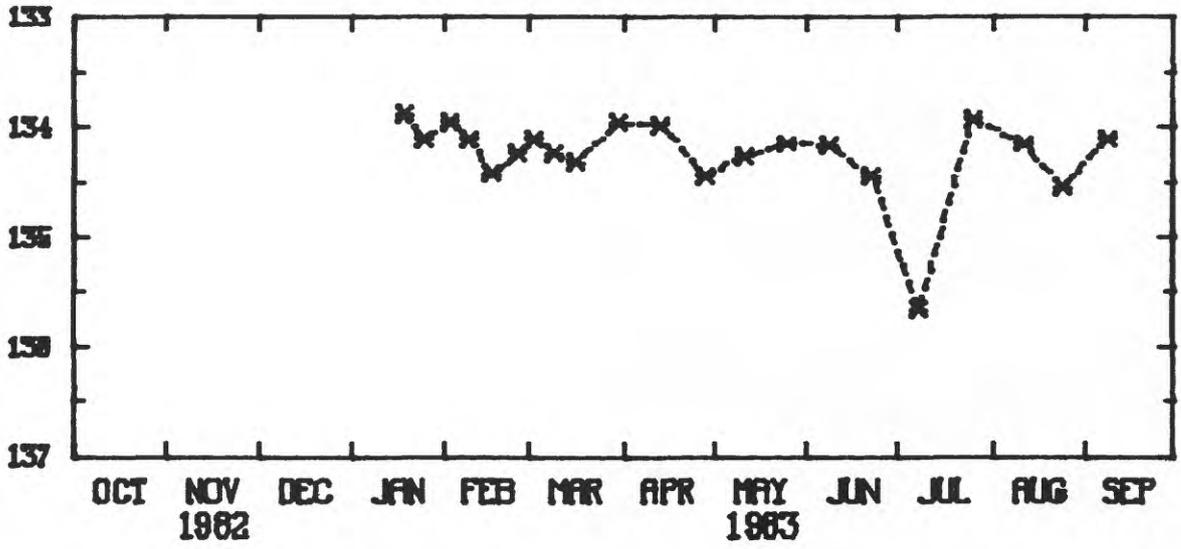
PERIOD OF RECORD.--Current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 149.30 ft below land-surface datum, May 11, 1983; lowest measured, 227.10 ft below land-surface datum, July 25, 1983.

REMARKS.--Water is pumped from well for domestic uses.

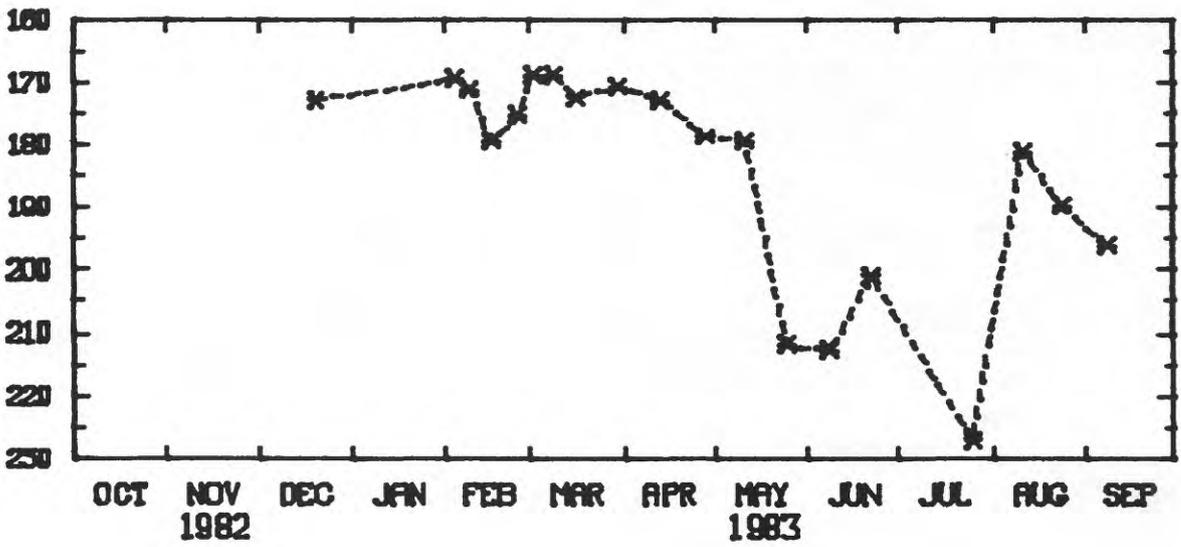
FA00100120C0C01 038

WATER LEVEL, IN FT BELOW LSD



FA00100129B0AC1 017

WATER LEVEL, IN FT BELOW LSD

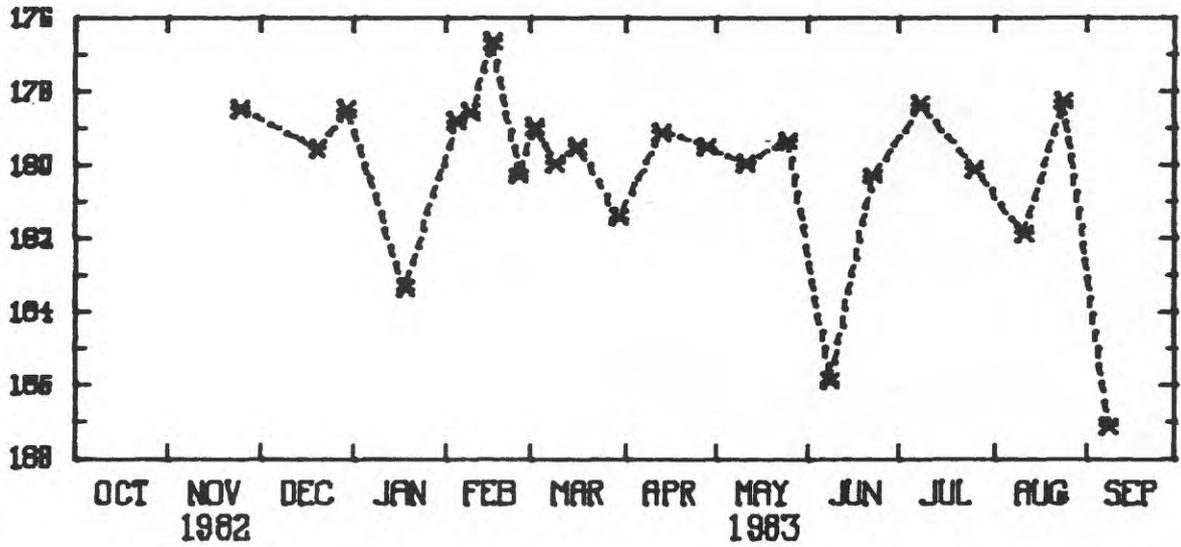


645328147352601. Local number, FA00100129BAAD1 005.
LOCATION.--Lat 64°53'28", long 147°35'26", Hydrologic unit 19030004,
1.0 mile Chena Hot Springs Road, near Fairbanks.
Owner: James Owen.
AQUIFER.--Metamorphic bedrock of pre-Jurassic age.
WELL CHARACTERISTICS.--Diameter 6 in, depth 240 ft, open 219 to
240 ft.
INSTRUMENTATION.--Intermittent measurements with calibrated electric
tape by personnel from State of Alaska Division of Geological and
Geophysical Surveys or Division of Land and Water Management.
DATUM.--Altitude of land surface is 890 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--Current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured,
176.60 ft below land-surface datum, Feb. 16, 1983; lowest
measured, 187.11 ft below land-surface datum, Sep. 8, 1983.
REMARKS.--Water pumped from well for domestic uses.

645322147352801. Local number, FA00100129BADD1 016.
LOCATION.--Lat 64°53'22", long 147°35'28", Hydrologic unit 19030004,
1.0 mi Chena Hot Springs Road, near Fairbanks.
Owner: Dave Johnson.
AQUIFER.--Metamorphic bedrock of pre-Jurassic age.
WELL CHARACTERISTICS.--Diameter 6 in. to 323 ft, 5 in. to 403 ft,
depth 403 ft.
INSTRUMENTATION.--Intermittent measurements with calibrated electric
tape by personnel from State of Alaska Division of Geological and
Geophysical Surveys or Division of Land and Water Management.
DATUM.--Altitude of land surface is 920 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--Current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured,
244.10 ft below land-surface datum, Dec. 15, 1982; lowest
measured, 267.97 ft below land-surface datum, Apr. 28, 1983.
REMARKS.--Water is pumped from well for domestic uses.

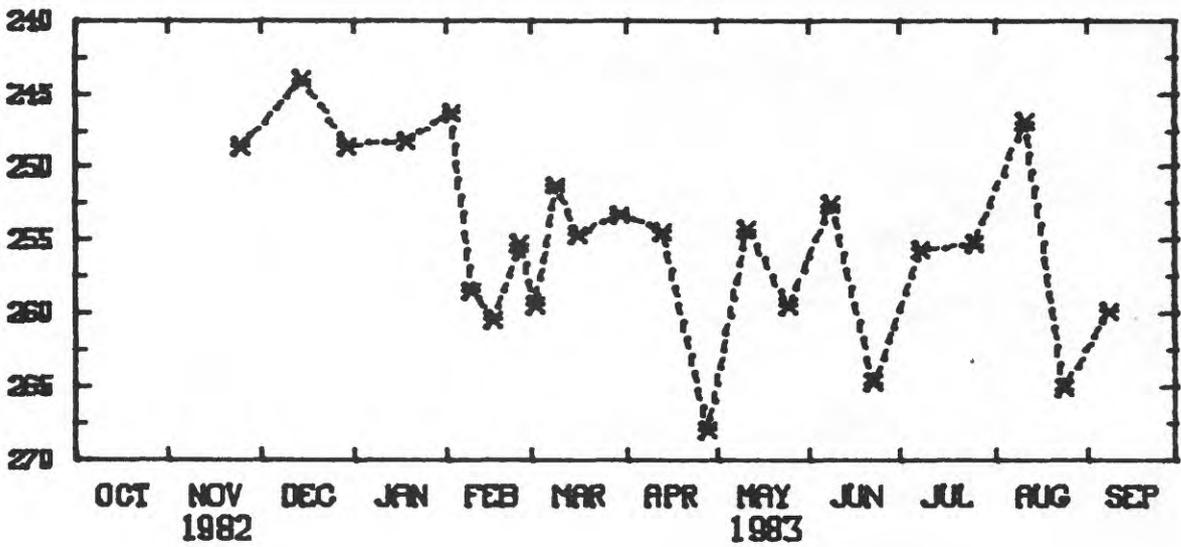
FA00100129BADD1 005

WATER LEVEL, IN FT BELOW LSD



FA00100129BADD1 016

WATER LEVEL, IN FT BELOW LSD

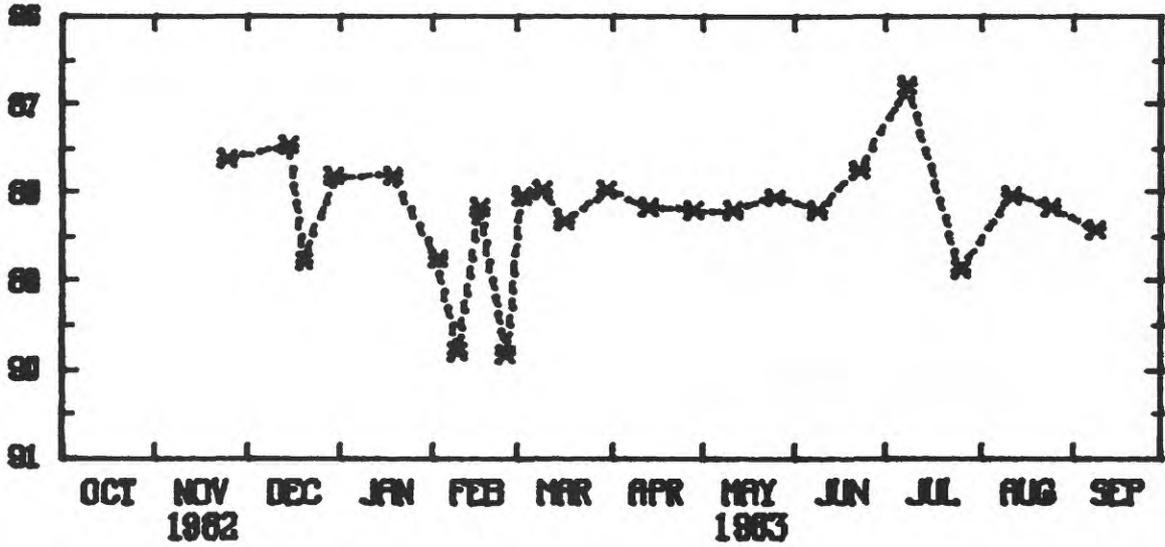


645315147360501. Local number, FA00100129BCAC1 018.
LOCATION.--Lat 64°53'15", long 147°36'05", Hydrologic unit 19030004,
1.0 mi Chena Hot Springs Road, near Fairbanks.
Owner: David and Vera Dance.
AQUIFER.--Metamorphic bedrock of pre-Jurassic age.
WELL CHARACTERISTICS.--Diameter 6 in, depth 160 ft, open 150 to
160 ft.
INSTRUMENTATION.--Intermittent measurements with calibrated electric
tape by personnel from State of Alaska Division of Geological and
Geophysical Surveys or Division of Land and Water Management.
DATUM.--Altitude of land surface is 680 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--Current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured,
86.77 ft below land-surface datum, July 8, 1983; lowest
measured, 89.83 ft below land-surface datum, Feb. 25, 1983.
REMARKS.--Water pumped from well for domestic uses.

645315147355701. Local number, FA00100129BCDA1 002.
LOCATION.--Lat 64°53'15", long 147°35'57", Hydrologic unit 19030004,
1.0 mi Chena Hot Springs Road, near Fairbanks.
Owner: Cynthia S. Rinear.
AQUIFER.--Metamorphic bedrock of pre-Jurassic age.
WELL CHARACTERISTICS.--Diameter 2 in, depth 63 ft, open 60 to
63 ft.
INSTRUMENTATION.--Intermittent measurements with calibrated electric
tape by personnel from State of Alaska Division of Geological and
Geophysical Surveys or Division of Land and Water Management.
DATUM.--Altitude of land surface is 720 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--Current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured,
32.72 ft below land-surface datum, Dec. 15, 1982; lowest
measured, 35.04 ft below land-surface datum, June 22, 1983.
REMARKS.--Water pumped from well for domestic uses.

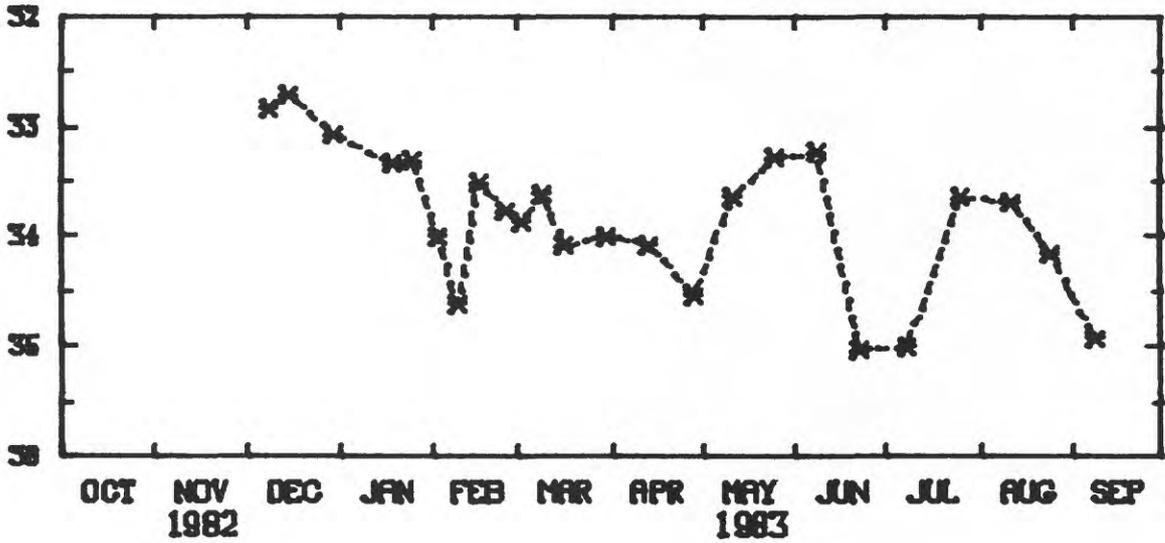
FA00100129BCAG1 018

WATER LEVEL, IN FT BELOW LSD



FA00100129BCDA1 002

WATER LEVEL, IN FT BELOW LSD

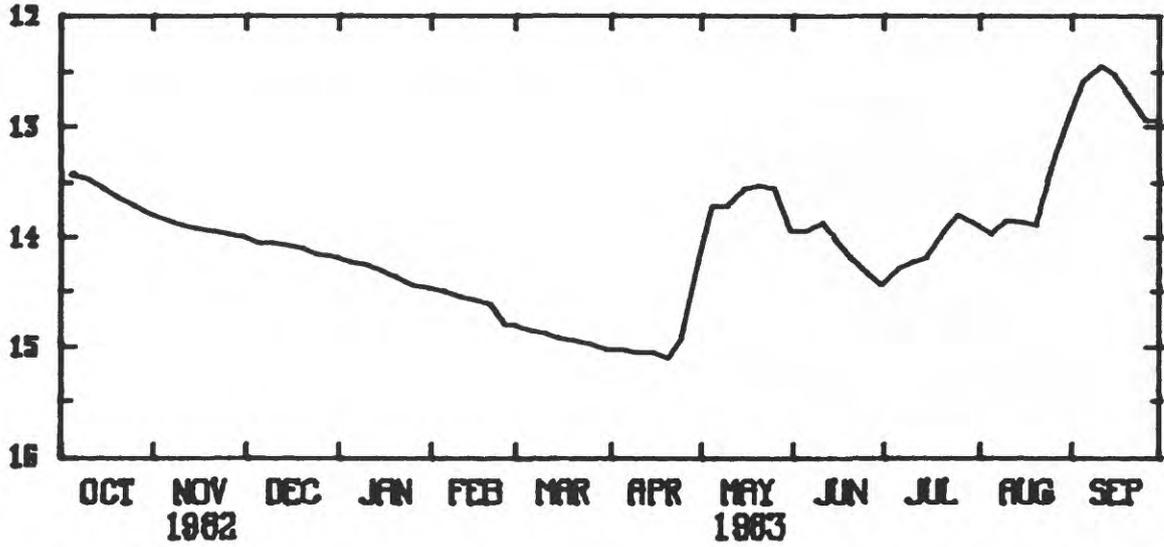


644944147402501. Local number, FC00100113BCCC1 022.
LOCATION.--Lat 64°49'44", long 147°40'25", Hydrologic unit 19030004,
one block southwest of Bassett Army Hospital, Ft Wainwright.
Owner: U.S. Army, Fort Wainwright.
AQUIFER.--Chena Alluvium of Quaternary age.
WELL CHARACTERISTICS.--Diameter 8 in, depth 113 ft, screened 100 to
113 ft.
INSTRUMENTATION.--Continuous strip-chart recorder operated from
August 1964 to June 1970, and March 1976 to current year.
DATUM.--Altitude of land surface is 442.8 ft (determined by
altimeter).
PERIOD OF RECORD.--1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 6.87 ft
below land-surface datum, July 27, 1967; lowest 9.90 ft
below land-surface datum, Nov. 11, 1969.

644820147420001. Local number, FC00100126BAAD1 007.
LOCATION.--Lat 64°48'18", long 147°41'29", Hydrologic unit 19030004,
1.3 mi southeast of the intersection of Van Horn Road and South
Cushman Street at Fairbanks North Star Borough Sanitary Landfill.
Owner: Fairbanks North Star Borough.
AQUIFER.--Chena Alluvium of Quaternary age.
WELL CHARACTERISTICS.--Diameter 2 in, depth 22 ft, perforated 17 to
22 ft.
INSTRUMENTATION.--Monthly measurement with chalked steel tape or
calibrated electric tape by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 441.1 ft (determined from levels
survey).
PERIOD OF RECORD.--1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.94 ft
below land-surface datum, Aug. 23, 1983; lowest measured, 9.04 ft
below land-surface datum, Mar. 30, 1983.
REMARKS.--Fairbanks North Star Borough Sanitary Landfill Well No. 1.

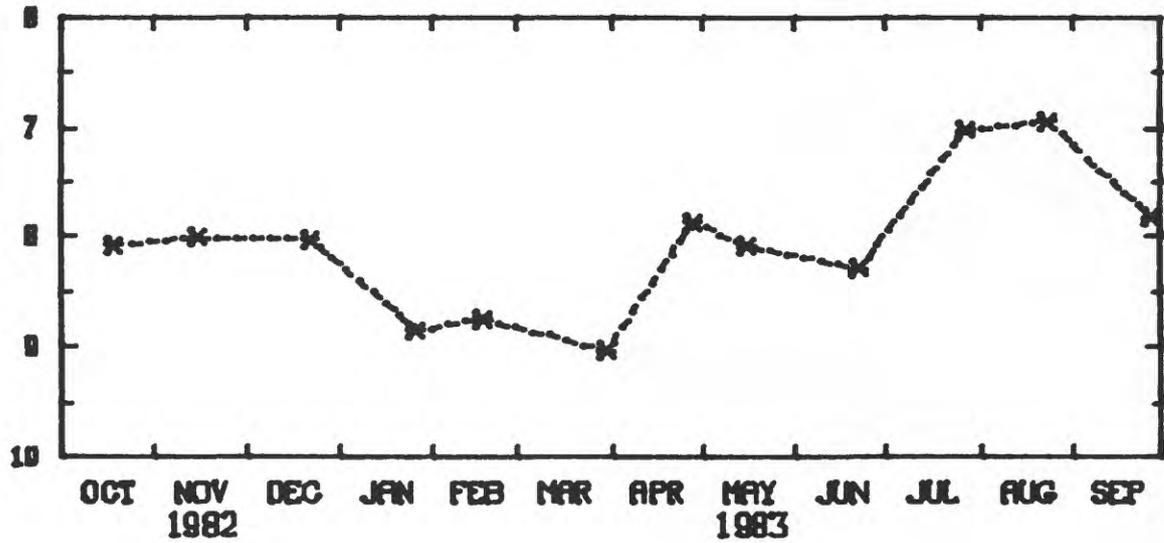
FC00100113BCCC1 022

WATER LEVEL, IN FT BELOW LSD



FC00100126BRAD1 007

WATER LEVEL, IN FT BELOW LSD

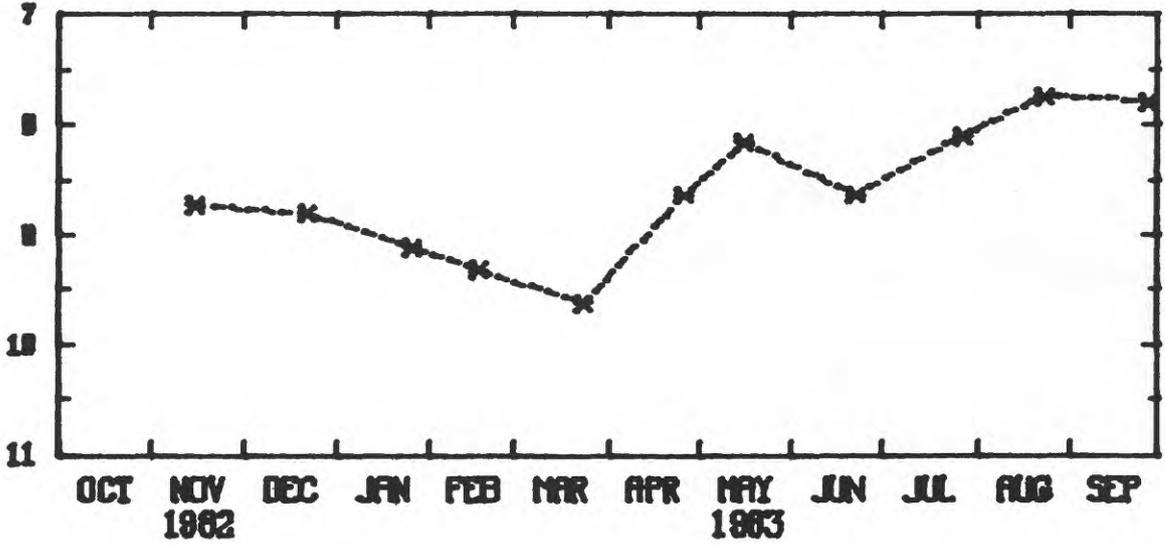


644912147423202. Local number, FC00100122AAAA2 002.
LOCATION.--Lat 64°49'12", long 147°42'32", Hydrologic unit 19030004,
at intersection of 30th Avenue and South Cushman Street, in
Fairbanks.
Owner: U.S. Army Corps of Engineers.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 1.5 in, depth 18 ft, casing
information not available.
INSTRUMENTATION.--Monthly measurement with chalked steel tape or
calibrated electric tape by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 437.40 ft (determined from
levels survey).
PERIOD OF RECORD.--1972 to 1976, 1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.18 ft
below land-surface datum, July 19, 1975; lowest measured, 10.22 ft
below land-surface datum, Apr. 19, 1974.
REMARKS.--U.S. Army Corps of Engineers Piezometer 53.

644848147423101. Local number, FC00100122DAAA1 003.
LOCATION.--Lat 64°48'48", long 147°42'31", Hydrologic unit 19030004,
at intersection of Van Horn Road and South Cushman Street, in
Fairbanks.
Owner: U.S. Geological Survey.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 2 in, depth 20 ft, casing
information not available.
INSTRUMENTATION.--Continuous strip-chart recorder operated in 1973.
Monthly measurement with chalked steel tape or calibrated electric
tape by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 438.20 ft (determined from levels
survey).
PERIOD OF RECORD.--1967 to 1974, 1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.82 ft
below land-surface datum, Aug. 29, 1967; lowest measured, 9.32 ft
below land-surface datum, Apr. 19, 1974.
REMARKS.--U.S. Geological Survey well Flood 34.

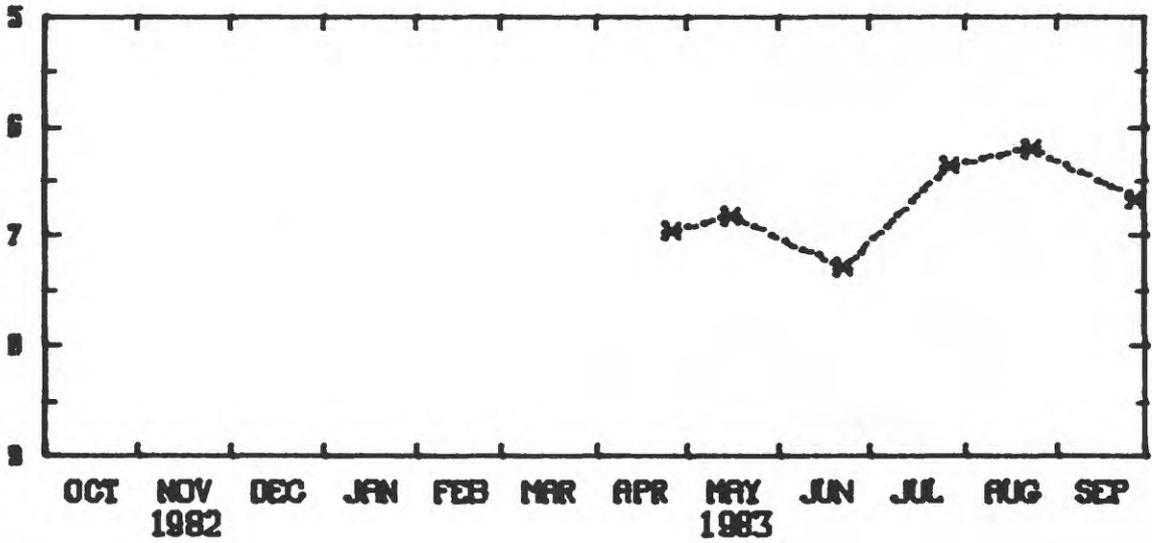
FC00100122AAAA2 002

WATER LEVEL, IN FT BELOW LSD



FC00100122DAAA1 003

WATER LEVEL, IN FT BELOW LSD

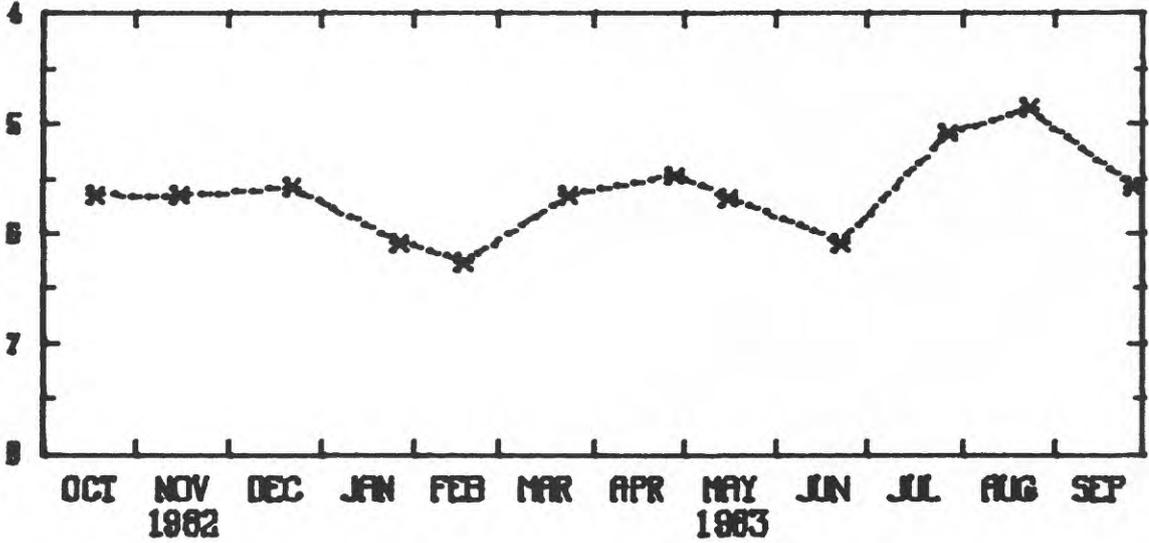


644827147432201. Local number, FC00100122DCCA1 005.
LOCATION.--Lat 64°48'27", long 147°43'22", Hydrologic unit 19030004,
1.0 mi northwest of South Cushman Street and Landfill Road, in
Fairbanks.
Owner: U.S. Army Corps of Engineers.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 1.5 in, depth 20 ft, casing
information not available.
INSTRUMENTATION.--Monthly measurement with chalked steel tape or
calibrated electric tape by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 437.60 ft (determined from levels
survey).
PERIOD OF RECORD.--1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.61 ft
below land-surface datum, Sep. 2, 1982; lowest measured, 6.26 ft
below land-surface datum, Feb. 17, 1983.
REMARKS.--U.S. Army Corps of Engineers Piezometer 178.

644825147432401. Local number, FC00100122DCCC1 006.
LOCATION.--Lat 64°48'25", long 147°43'24", Hydrologic unit 19030004,
1.0 mi northwest of South Cushman Street and Landfill Road, in
Fairbanks.
Owner: U.S. Army Corps of Engineers.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 1.5 in, depth 20 ft, casing
information not available.
INSTRUMENTATION.--Monthly measurement with chalked steel tape or
calibrated electric tape by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 437.60 ft (determined from levels
survey).
PERIOD OF RECORD.--1972 to 1975, 1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.73 ft
below land-surface datum, Aug. 2, 1973; lowest measured, 9.06 ft
below land-surface datum, Apr. 19, 1973.
REMARKS.--U.S. Army Corps of Engineers Piezometer 179.

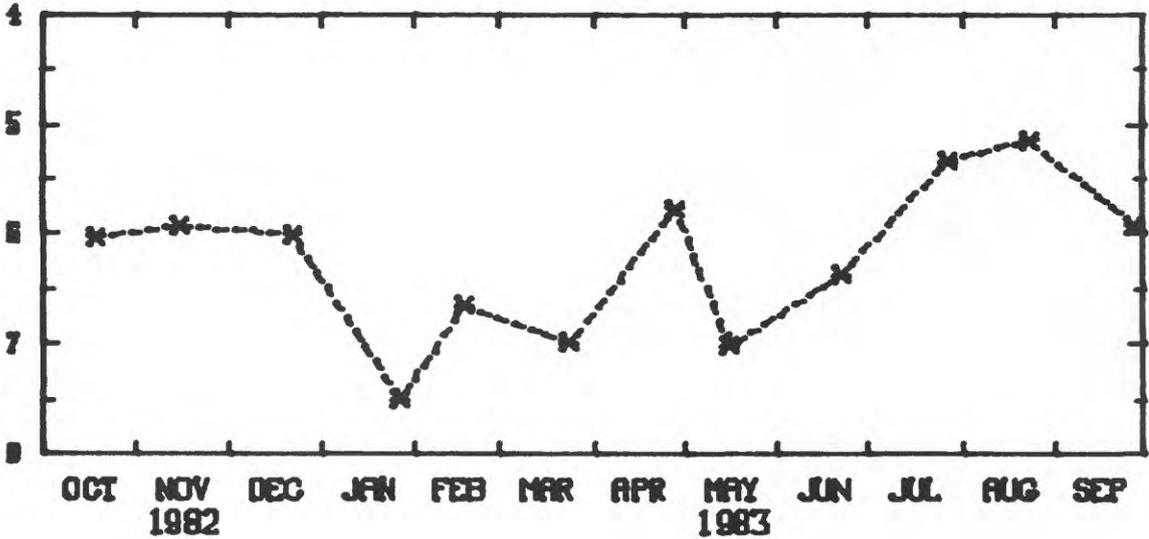
FC00100122DC0A1 005

WATER LEVEL, IN FT BELOW LSD



FC00100122DCCC1 006

WATER LEVEL, IN FT BELOW LSD

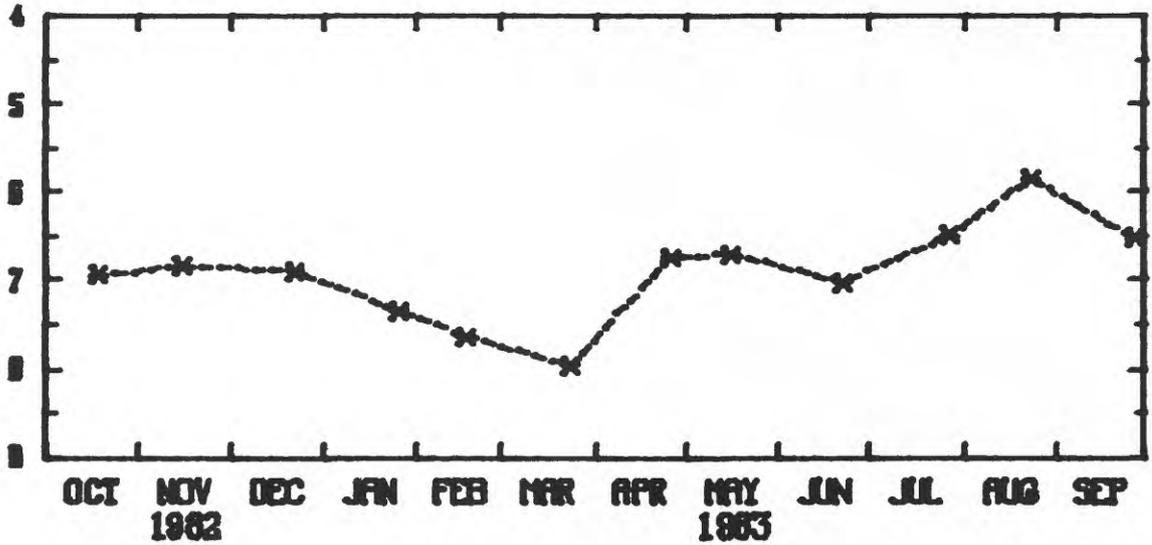


644751147423501. Local number, FC00100127AAAA1 004.
LOCATION.--Lat 64°48'20", long 147°42'30", Hydrologic unit 19030004,
SW corner of South Cushman Street Extension and Landfill Road at
drainage ditch 'A', in Fairbanks. (25 ft north of 644749147423401).
Owner: U.S. Geological Survey.
AQUIFER.--Chena Alluvium of Quaternary age.
WELL CHARACTERISTICS.--Diameter 2 in, depth 17 ft, perforated 15 to
17 ft.
INSTRUMENTATION.--Monthly measurement with chalked steel tape or
calibrated electric tape by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 439.2 ft (determined from levels
survey).
PERIOD OF RECORD.--1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.84 ft
below land-surface datum, Aug. 23, 1983; lowest measured, 7.96 ft
below land-surface datum, Mar. 24, 1983.
REMARKS.--Fairbanks North Star Borough Sanitary Landfill Well No 13.

644749147423401. Local number, FC00100127AAAA2 004.
LOCATION.--Lat 64°48'19", long 147°42'31", Hydrologic unit 19030004,
SW corner of intersection of South Cushman Street Extension and
Landfill Road at drainage ditch 'A', in Fairbanks.
Owner: U.S. Geological Survey.
AQUIFER.--Chena Alluvium of Quaternary age.
WELL CHARACTERISTICS.--Diameter 2 in, depth 50 ft, perforated 48 to
50 ft.
INSTRUMENTATION.--Monthly measurement with chalked steel tape or
calibrated electric tape by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 438.7 ft (determined from levels
survey).
PERIOD OF RECORD.--1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.37 ft
below land-surface datum, July 27, 1983; lowest measured, 8.32 ft
below land-surface datum, Mar. 24, 1983.
REMARKS.--Fairbanks North Star Borough Sanitary Landfill Well No. 12.

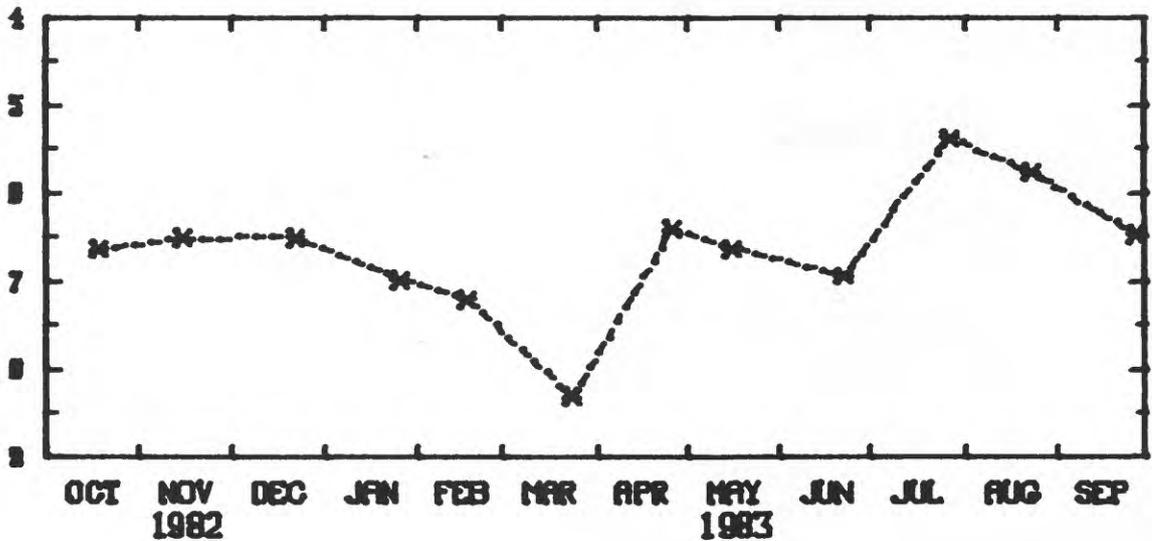
FC00100127AAAA1 004

WATER LEVEL, IN FT BELOW LSD



FC00100127AAAA2 004

WATER LEVEL, IN FT BELOW LSD

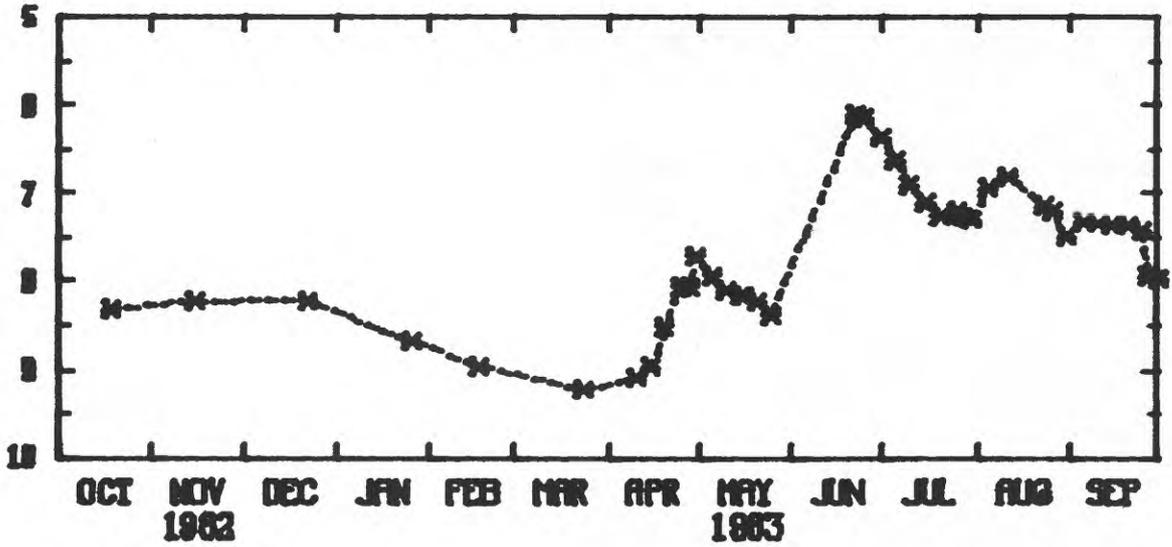


644820147421401. Local number, FC00100126BABB1 005.
LOCATION.--Lat 64°48'21", long 147°41'58", Hydrologic unit 19030004,
1.3 mi southeast of the intersection of Van Horn Road and South
Cushman Street at Fairbanks North Star Borough Sanitary Landfill.
Owner: Fairbanks North Star Borough.
AQUIFER.--Chena Alluvium of Quaternary age.
WELL CHARACTERISTICS.--Diameter 2 in, depth 17 ft, perforated 12 to
17 ft.
INSTRUMENTATION.--Continuous strip-chart recorder.
DATUM.--Altitude of land surface is 440.3 ft (determined from levels
survey).
PERIOD OF RECORD.--1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 6.11 ft
below land-surface datum, June 22, 1983; lowest, 9.24 ft
below land-surface datum, Mar. 24, 1983.
REMARKS.--Fairbanks North Star Borough Sanitary Landfill Well No. 3.

644821147420801. Local number, FC00100126BABB2 005.
LOCATION.--Lat 64°48'21", long 147°41'55", Hydrologic unit 19030004,
1.3 mi southeast of the intersection of Van Horn Road and South
Cushman Street at Fairbanks North Star Borough Sanitary Landfill.
Owner: Fairbanks North Star Borough.
AQUIFER.--Chena Alluvium of Quaternary age.
WELL CHARACTERISTICS.--Diameter 2 in, depth 17 ft, perforated 12 to
17 ft.
INSTRUMENTATION.--Monthly measurement with chalked steel tape or
calibrated electric tape by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 440.2 ft (determined from levels
survey).
PERIOD OF RECORD.--1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.85 ft
below land-surface datum, Aug. 23, 1983; lowest measured, 8.85 ft
below land-surface datum, Mar. 24, 1983.
REMARKS.--Fairbanks North Star Borough Sanitary Landfill Well No. 2.

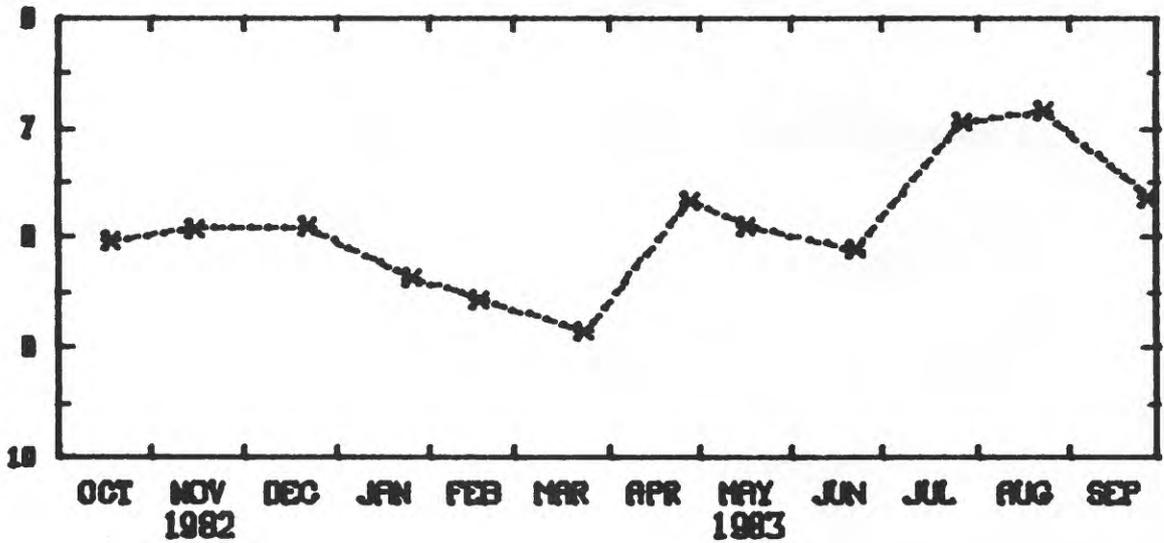
WATER LEVEL, IN FT BELOW LSD

FC001001268B8B1 005



WATER LEVEL, IN FT BELOW LSD

FC001001268B8B2 005

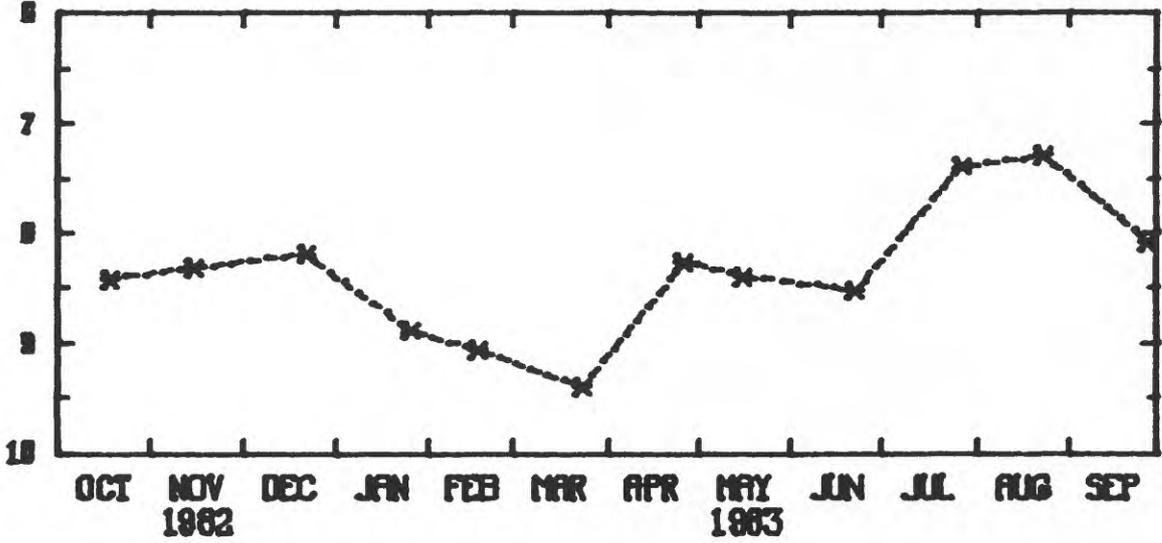


644818147421801. Local number, FC00100126BABB3 005.
LOCATION.--Lat 64°48'21", long 147°42'00", Hydrologic unit 19030004,
1.3 mi southeast of the intersection of Van Horn Road and South
Cushman Street at Fairbanks North Star Borough Sanitary Landfill.
Owner: Fairbanks North Star Borough.
AQUIFER.--Chena Alluvium of Quaternary age.
WELL CHARACTERISTICS.--Diameter 2 in, depth 17 ft, perforated 12 to
17 ft.
INSTRUMENTATION.--Monthly measurement with chalked steel tape or
calibrated electric tape by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 440.8 ft (determined from levels
survey).
PERIOD OF RECORD.--1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.29 ft
below land-surface datum, Aug. 23, 1983; lowest measured, 9.40 ft
below land-surface datum, Mar. 24, 1983.
REMARKS.--Fairbanks North Star Borough Sanitary Landfill Well No. 4.

644752147420201. Local number, FC00100126BAAB1 004.
LOCATION.--Lat 64°48'21", long 147°41'39", Hydrologic unit 19030004,
1.3 mi southeast of the intersection of Van Horn Road and South
Cushman Street at Fairbanks North Star Borough Sanitary Landfill.
Owner: U.S. Geological Survey.
AQUIFER.--Chena Alluvium of Quaternary age.
WELL CHARACTERISTICS.--Diameter 2 in, depth 14 ft, perforated 12 to
14 ft.
INSTRUMENTATION.--Monthly measurement with chalked steel tape or
calibrated electric tape by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 441.2 ft (determined from levels
survey).
PERIOD OF RECORD.--1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.01 ft
below land-surface datum, Aug. 23, 1983; lowest measured, 8.31 ft
below land-surface datum, June 22, 1983.
REMARKS.--Fairbanks North Star Borough Sanitary Landfill Well No. 10.

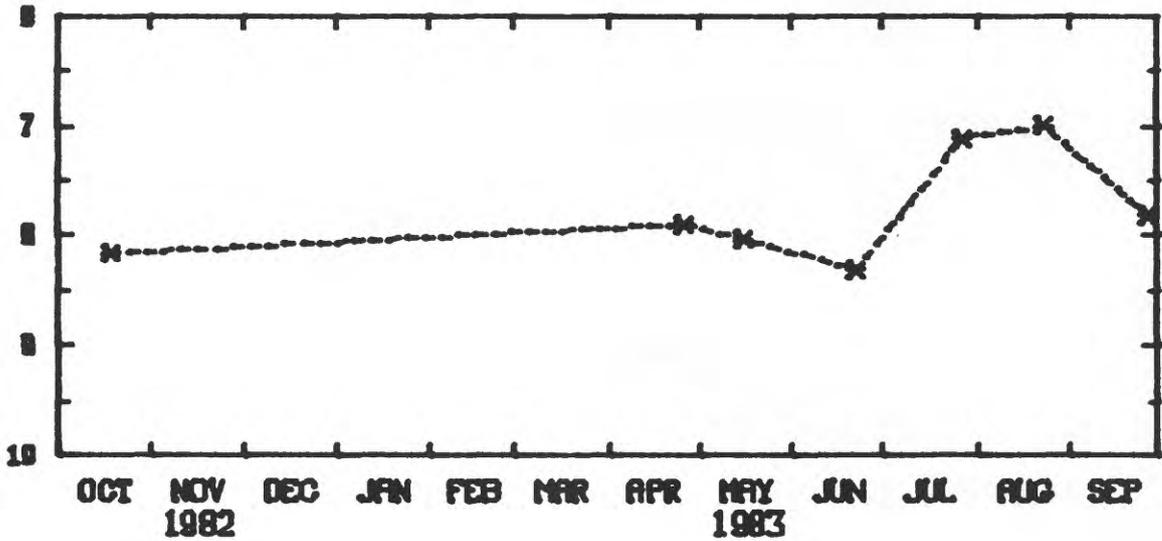
FC00100126BABB3 005

WATER LEVEL, IN FT BELOW LSD



FC00100126BAF01 004

WATER LEVEL, IN FT BELOW LSD

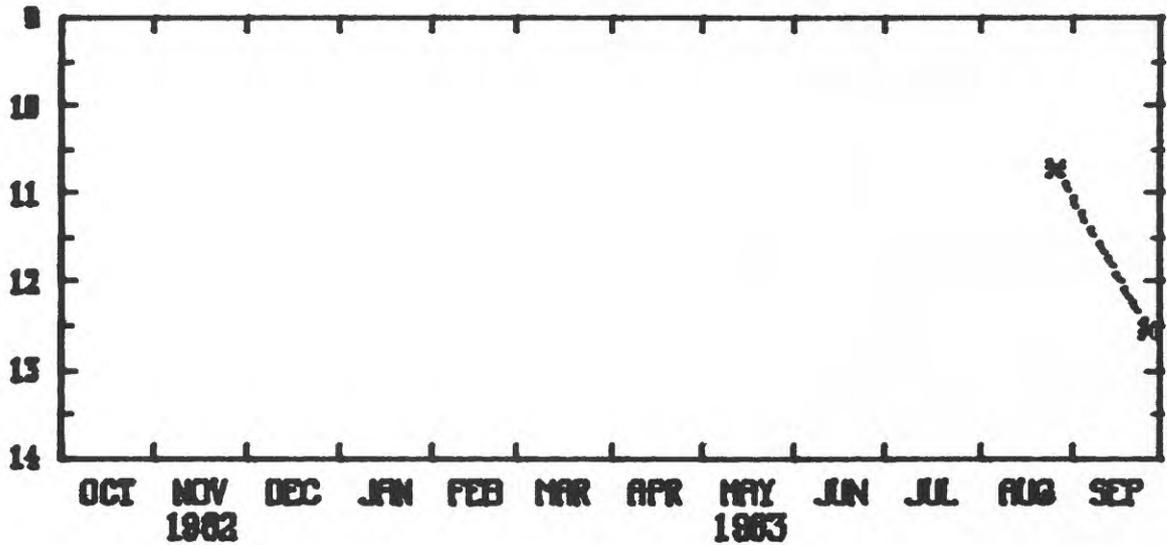


644751147415401. Local number, FC00100126BAAA1 016.
LOCATION.--Lat 64°48'20", long 147°41'36", Hydrologic unit 19030004,
1.3 mi southeast of the intersection of Van Horn Road and South
Cushman Street at Fairbanks North Star Borough Sanitary Landfill.
Owner: Fairbanks North Star Borough.
AQUIFER.--Chena Alluvium of Quaternary age.
WELL CHARACTERISTICS.--Diameter 6 in, depth 90 ft, screened 80 to
90 ft.
INSTRUMENTATION.--Monthly measurement with chalked steel tape or
calibrated electric tape by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 443.6 ft (determined from levels
survey).
PERIOD OF RECORD.--Current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured,
10.04 ft below land-surface datum, Aug. 11, 1983; lowest
measured, 12.50 ft below land-surface datum, Sep. 26, 1983.
REMARKS.--Fairbanks North Star Borough Sanitary Landfill Baler
building well. Water is pumped from well for institutional uses.

644752147415801. Local number, FC00100126BAAA2 016.
LOCATION.--Lat 64°48'22", long 147°41'30", Hydrologic unit 19030004,
1.3 mi southeast of the intersection of Van Horn Road and South
Cushman Street at Fairbanks North Star Borough Sanitary Landfill.
Owner: U.S. Geological Survey.
AQUIFER.--Chena Alluvium of Quaternary age.
WELL CHARACTERISTICS.--Diameter 2 in, depth 14 ft, perforated 12 to
14 ft.
INSTRUMENTATION.--Monthly measurement with chalked steel tape or
calibrated electric tape by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 441.3 ft (determined from levels
survey).
PERIOD OF RECORD.--1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.55 ft
below land-surface datum, Jan. 26, 1983; lowest measured, 9.09 ft
below land-surface datum, Mar. 24, 1983.
REMARKS.--Fairbanks North Star Borough Sanitary Landfill Well No. 11.

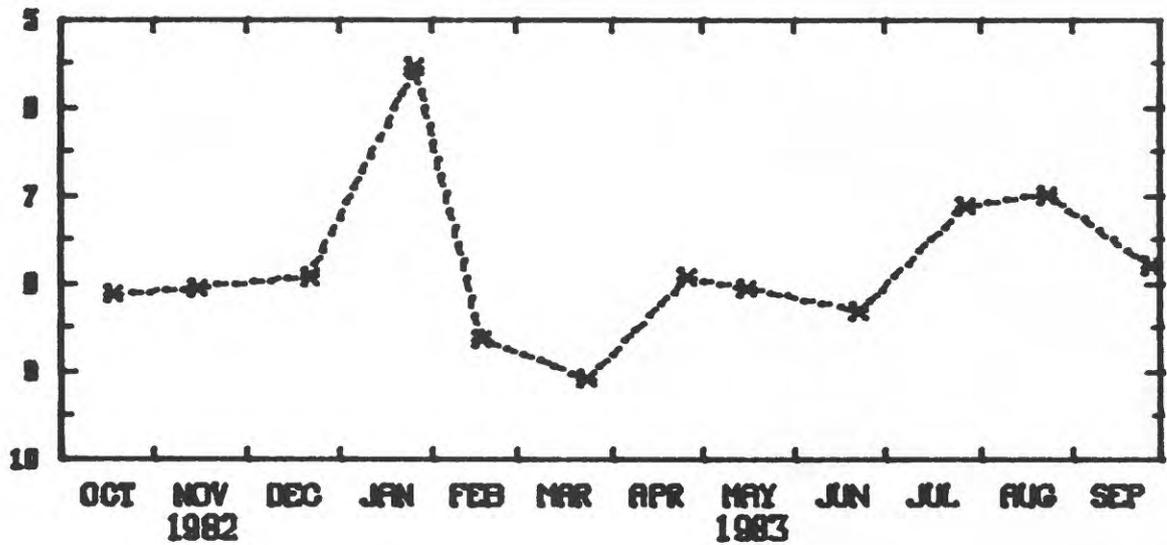
WATER LEVEL, IN FT BELOW LSD

FC00100126BAA1 016



WATER LEVEL, IN FT BELOW LSD

FC00100126BAA2 016

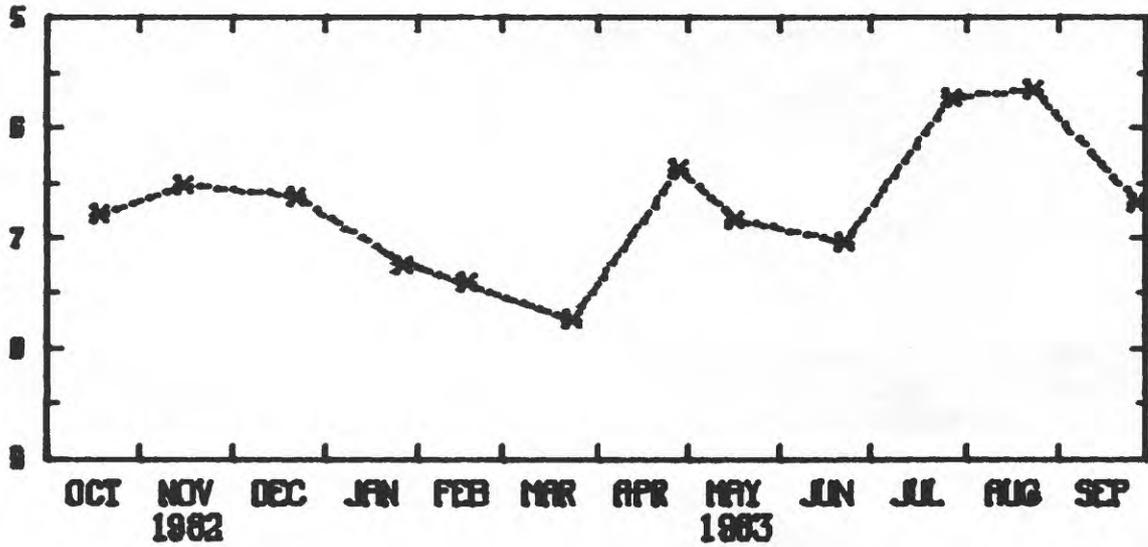


644809147421501. Local number, FC00100126BACB1 008.
LOCATION.--Lat 64°48'14", long 147°41'59", Hydrologic unit 19030004,
1.4 mi southeast of the intersection of Van Horn Road and South
Cushman Street at Fairbanks North Star Borough Sanitary Landfill.
Owner: Fairbanks North Star Borough.
AQUIFER.--Chena Alluvium of Quaternary age.
WELL CHARACTERISTICS.--Diameter 2 in, depth 17 ft, perforated 12 to
17 ft.
INSTRUMENTATION.--Monthly measurement with chalked steel tape or
calibrated electric tape by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 439.2 ft (determined from levels
survey).
PERIOD OF RECORD.--1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.63 ft
below land-surface datum, Aug. 27, 1982; lowest measured, 7.74 ft
below land-surface datum, Mar. 24, 1983.
REMARKS.--Fairbanks North Star Borough Sanitary Landfill Well No. 6.

644813147421701. Local number, FC00100126BACB2 008.
LOCATION.--Lat 64°48'16", long 147°41'59", Hydrologic unit 19030004,
1.3 mi southeast of the intersection of Van Horn Road and South
Cushman Street at Fairbanks North Star Borough Sanitary Landfill.
Owner: Fairbanks North Star Borough.
AQUIFER.--Chena Alluvium of Quaternary age.
WELL CHARACTERISTICS.--Diameter 2 in, depth 17 ft, perforated 12 to
17 ft.
INSTRUMENTATION.--Monthly measurement with chalked steel tape or
calibrated electric tape by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 439.1 ft (determined from levels
survey).
PERIOD OF RECORD.--1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.30 ft
below land-surface datum, Aug. 23, 1983; lowest measured, 7.27 ft
below land-surface datum, Mar. 24, 1983.
REMARKS.--Fairbanks North Star Borough Sanitary Landfill Well No. 5.

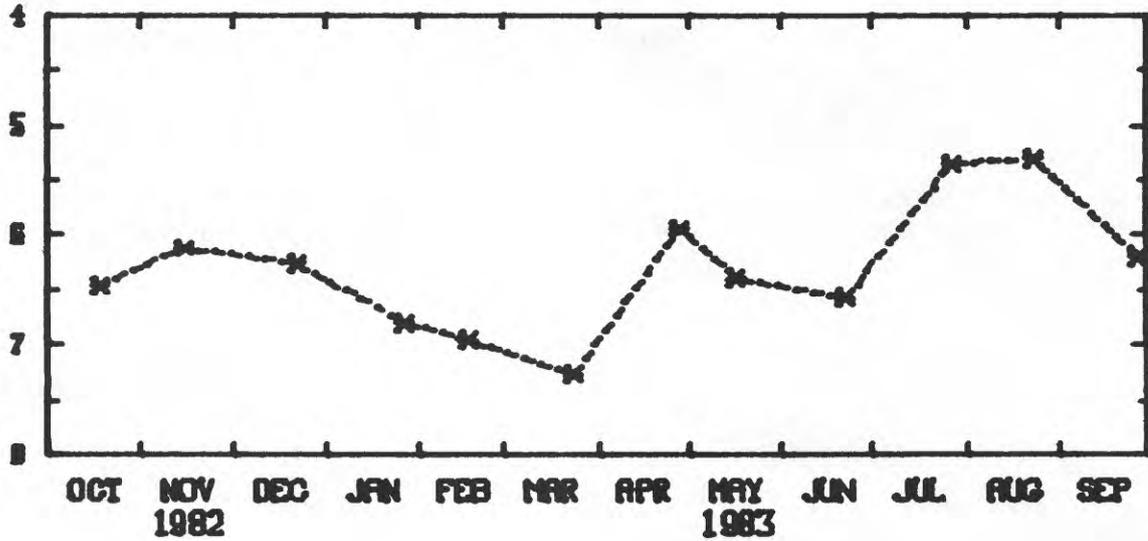
FC001001268ACB1 008

WATER LEVEL, IN FT BELOW LSD



FC001001268ACB2 008

WATER LEVEL, IN FT BELOW LSD

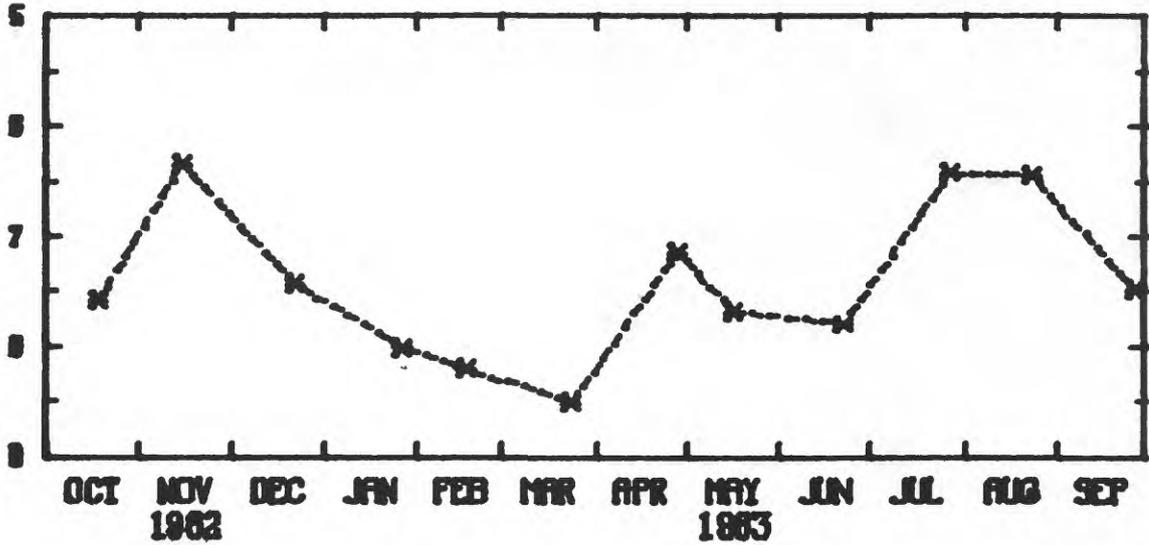


644808147420801. Local number, FC00100126BDRB1 010.
LOCATION.--Lat 64°48'09", long 147°41'59", Hydrologic unit 19030004,
1.4 mi southeast of the intersection of Van Horn Road and South
Cushman Street at Fairbanks North Star Borough Sanitary Landfill.
Owner: Fairbanks North Star Borough
AQUIFER.--Chena Alluvium of Quaternary age.
WELL CHARACTERISTICS.--Diameter 2 in, depth 17 ft, perforated 12 to
17 ft.
INSTRUMENTATION.--Monthly measurement with chalked steel tape or
calibrated electric tape by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 440.4 ft (determined from levels
survey).
PERIOD OF RECORD.--1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.35 ft
below land-surface datum, Nov. 15, 1982; lowest measured, 8.51 ft
below land-surface datum, Mar. 24, 1983.
REMARKS.--Fairbanks North Star Borough Sanitary Landfill Well No. 7.

644804147415901. Local number, FC00100126BDCC1 011.
LOCATION.--Lat 64°47'58", long 147°41'55", Hydrologic unit 19030004,
1.5 mi southeast of the intersection of Van Horn Road and South
Cushman Street at Fairbanks North Star Borough Sanitary Landfill.
Owner: Fairbanks North Star Borough.
AQUIFER.--Chena Alluvium of Quaternary age.
WELL CHARACTERISTICS.--Diameter 2 in, depth 17 ft, perforated 12 to
17 ft.
INSTRUMENTATION.--Monthly measurement with chalked steel tape or
calibrated electric tape by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 440.0 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.82 ft
below land-surface datum, Aug. 23, 1983; lowest measured, 7.31 ft
below land-surface datum, Mar. 24, 1983.
REMARKS.--Fairbanks North Star Borough Sanitary Landfill Well No. 8.

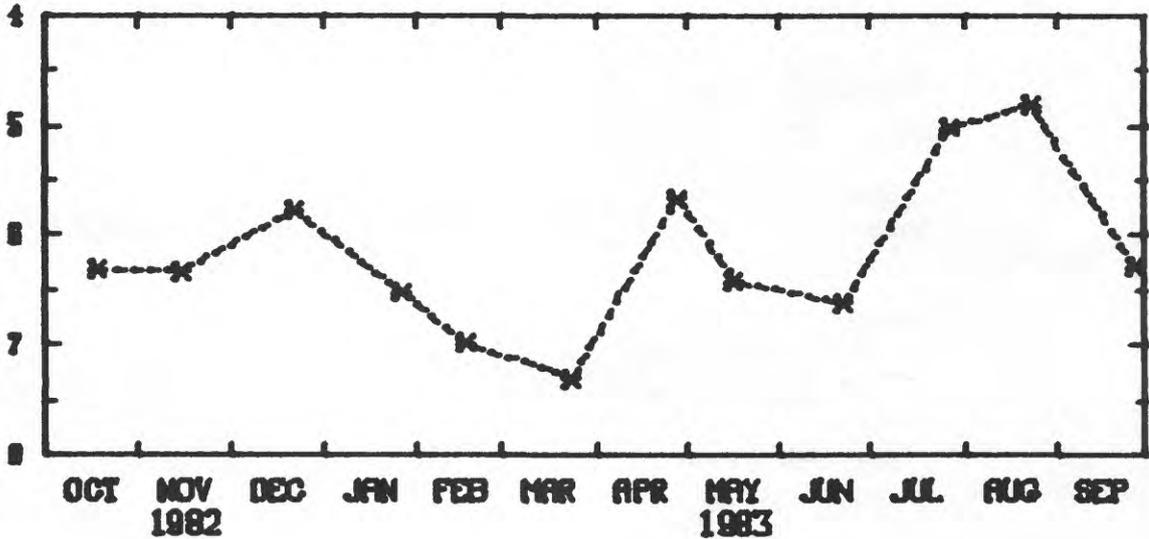
FC0010012680881 010

WATER LEVEL, IN FT BELOW LSD



FC0010012680CC1 011

WATER LEVEL, IN FT BELOW LSD

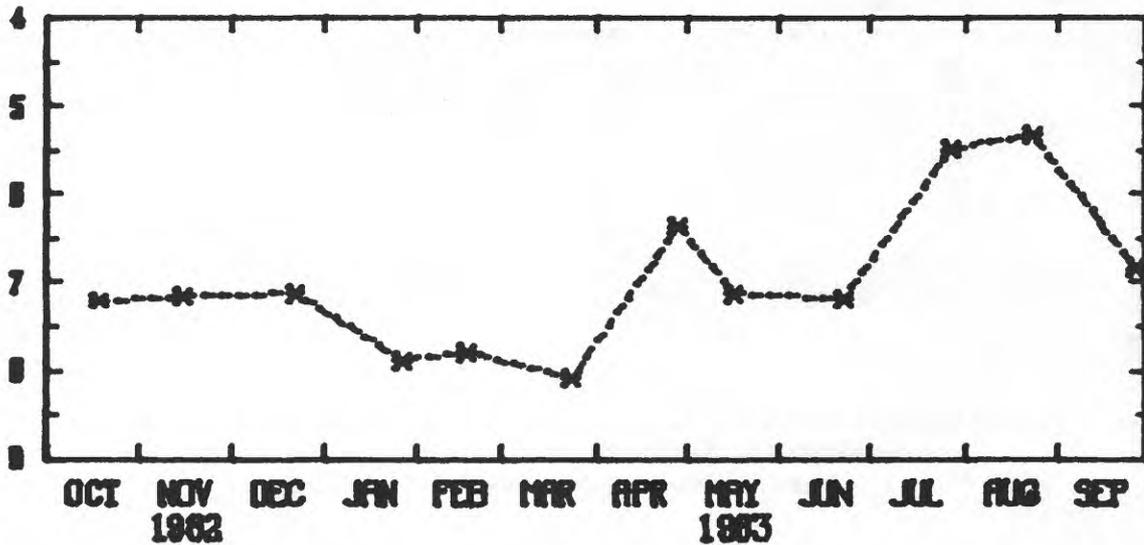


644806147413601. Local number, FC00100126BDCD1 012.
LOCATION.--Lat 64°47'58", long 147°41'47", Hydrologic unit 19030004,
1.5 mi southeast of the intersection of Van Horn Road and South
Cushman Street at Fairbanks North Star Borough Sanitary Landfill.
Owner: Fairbanks North Star Borough.
AQUIFER.--Chena Alluvium of Quaternary age.
WELL CHARACTERISTICS.--Diameter 2 in, depth 17 ft, perforated 12 to
17 ft.
INSTRUMENTATION.--Monthly measurement with chalked steel tape or
calibrated electric tape by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 440.0 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.31 ft
below land-surface datum, Aug. 23, 1983; lowest measured, 8.09 ft
below land-surface datum, Mar. 24, 1983.
REMARKS.--Fairbanks North Star Borough Sanitary Landfill Well No. 9.

644745147411401. Local number, FC00100126CAAB1 014.
LOCATION.--Lat 64°47'53", long 147°41'41", Hydrologic unit 19030004,
1.3 mi southeast of the intersection of Van Horn Road and South
Cushman Street near Fairbanks North Star Borough Sanitary Landfill.
Owner: U.S. Army Corps of Engineers.
AQUIFER.--Chena Alluvium of Quaternary age.
WELL CHARACTERISTICS.--Diameter 1.5 in, depth 23 ft, screened 18 to
23 ft.
INSTRUMENTATION.--Monthly measurement with chalked steel tape or
calibrated electric tape by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 441.3 ft (determined from levels
survey).
PERIOD OF RECORD.--1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.02 ft
below land-surface datum, July 27, 1983; lowest measured, 5.85 ft
below land-surface datum, Mar. 24, 1983.
REMARKS.--U.S. Army Corps of Engineers well P-288.

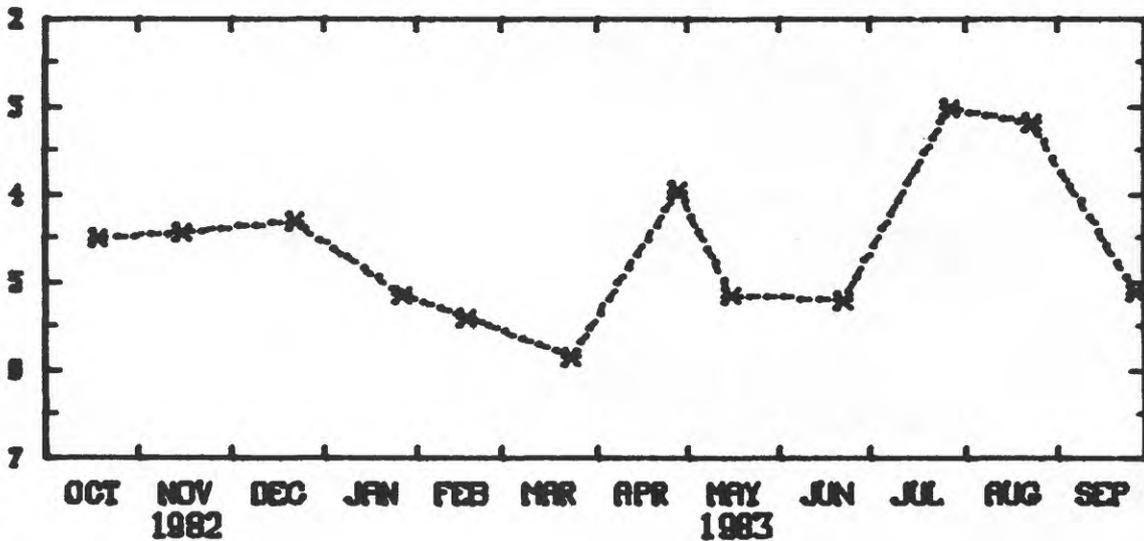
FC0010012680CD1 012

WATER LEVEL, IN FT BELOW LSD



FC00100126CRFB1 014

WATER LEVEL, IN FT BELOW LSD



644741147411501. Local number, FC00100126CAAC1 006.

LOCATION.--Lat 64°47'52", long 147°41'41", Hydrologic unit 19030004, 1.1 mi southeast of the intersection of South Cushman Street and Van Horn Road near Fairbanks North Star Borough Sanitary Landfill.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 1.5 in, depth 24 ft, screened 19 to 24 ft.

INSTRUMENTATION.--Monthly measurement with chalked steel tape or calibrated electric tape by U.S. Geological Survey personnel.

DATUM.--Altitude of land surface is 443.4 ft (determined from levels survey).

PERIOD OF RECORD.--1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.89 ft below land-surface datum, Aug. 23, 1983; lowest measured, 9.95 ft below land-surface datum, Mar. 24, 1983.

REMARKS.--U.S. Army Corps of Engineers well P-289.

644739147411501. Local number, FC00100126CAAC2 006.

LOCATION.--Lat 64°47'51", long 147°41'41", Hydrologic unit 19030004, 1.1 mi southeast of the intersection of South Cushman Street and Van Horn Road near Fairbanks North Star Borough Sanitary Landfill.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 1.5 in, depth 29 ft, screened 24 to 29 ft.

INSTRUMENTATION.--Monthly measurement with chalked steel tape or calibrated electric tape by U.S. Geological Survey personnel.

DATUM.--Altitude of land surface is 448 ft (determined from levels survey).

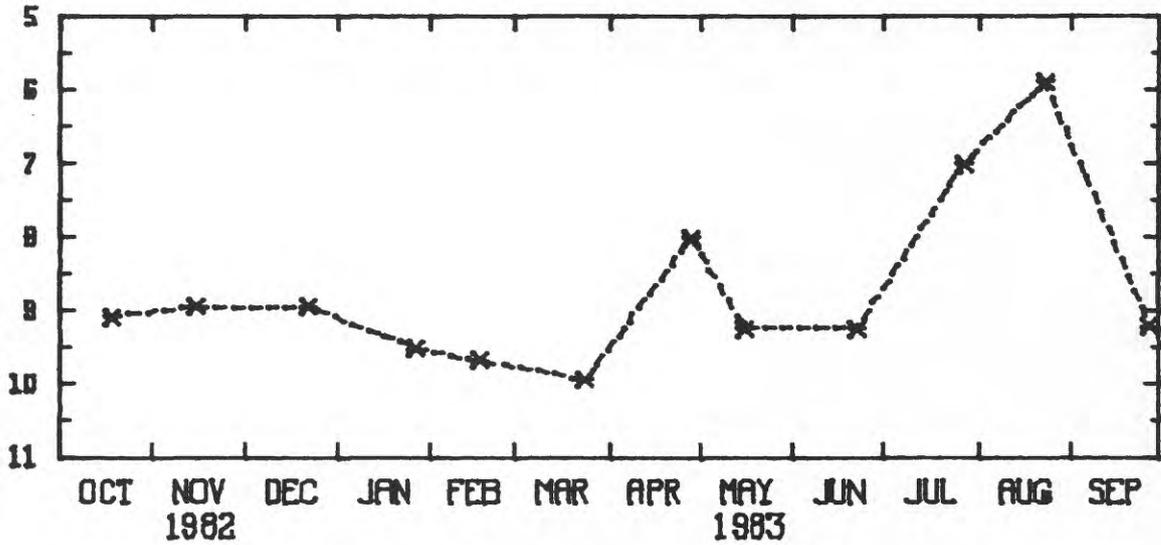
PERIOD OF RECORD.--1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.74 ft below land-surface datum, July 27, 1983; lowest measured, 15.67 ft below land-surface datum, Mar. 24, 1983.

REMARKS.--U.S. Army Corps of Engineers well P-290.

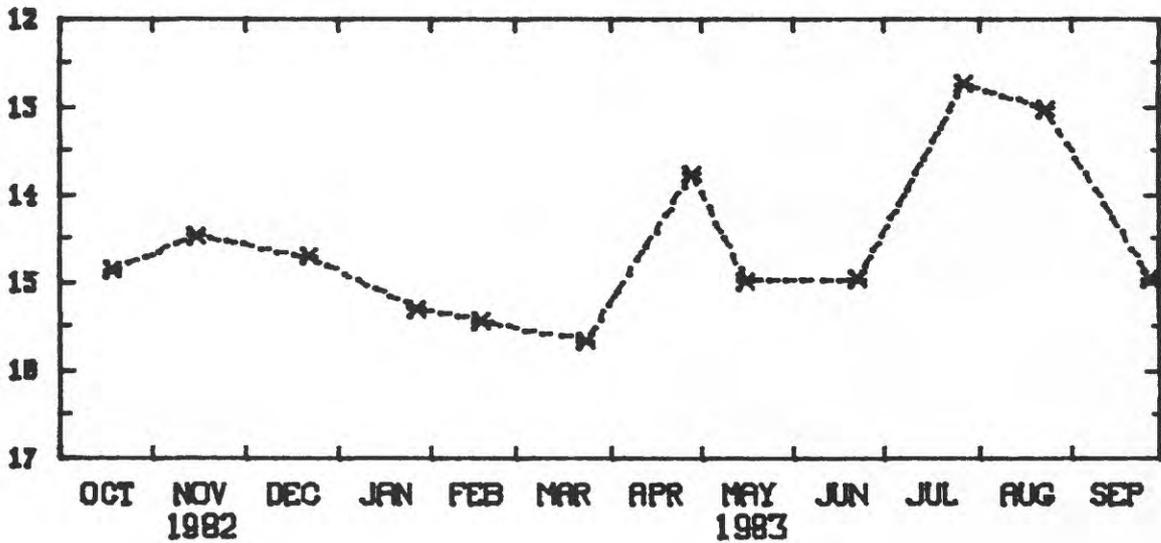
FC00100126CARG1 006

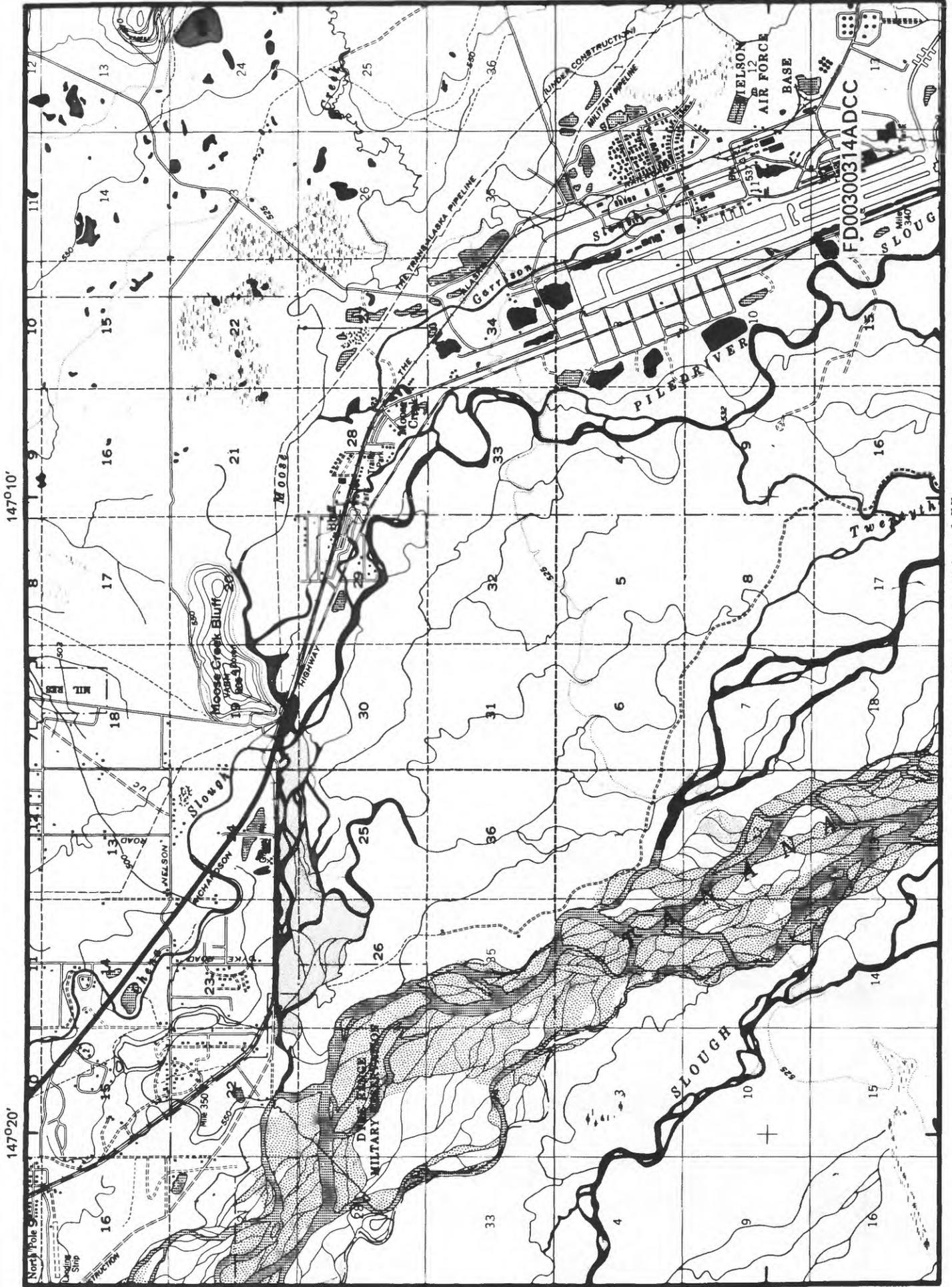
WATER LEVEL, IN FT BELOW LSD



FC00100126CARG2 006

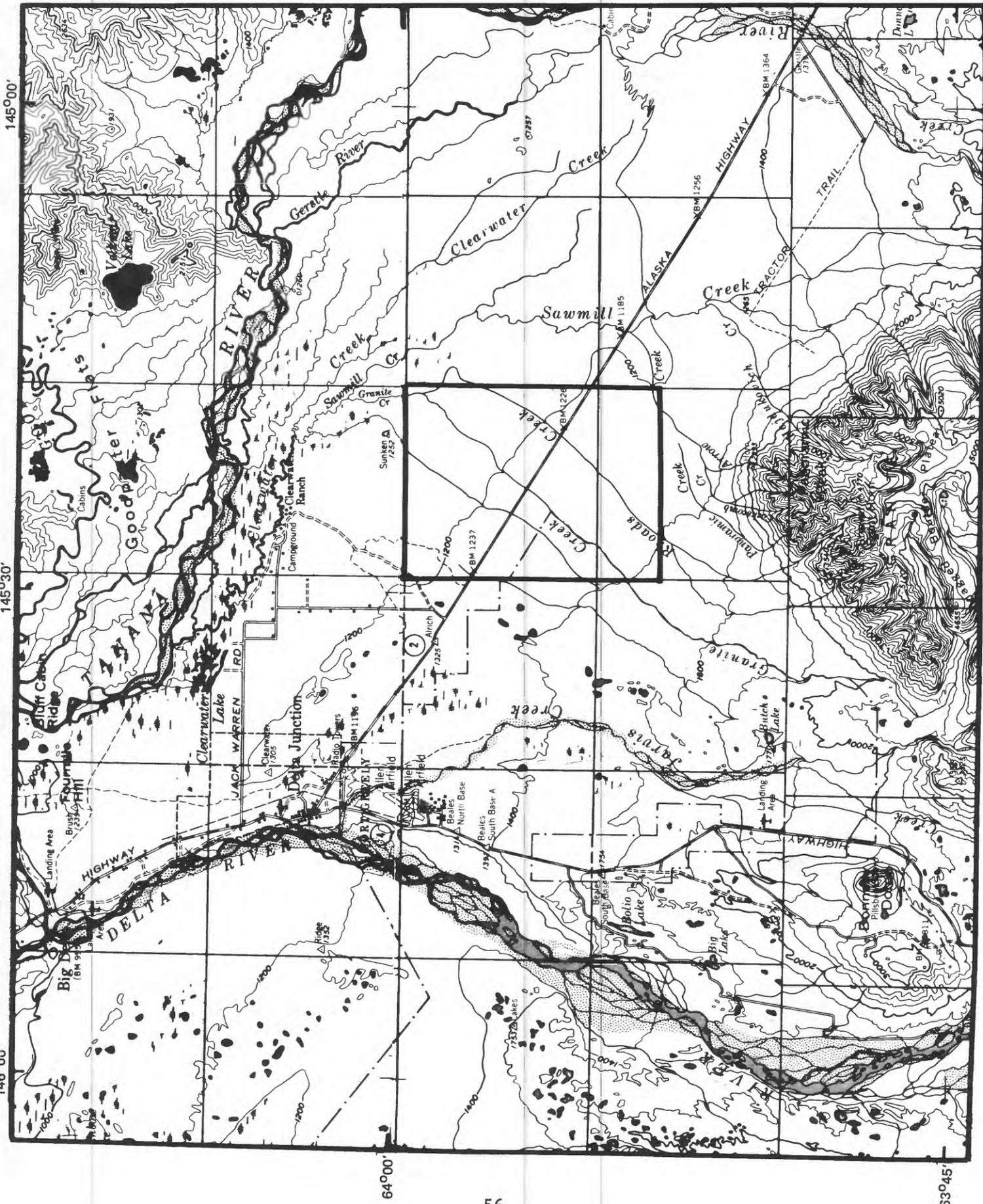
WATER LEVEL, IN FT BELOW LSD



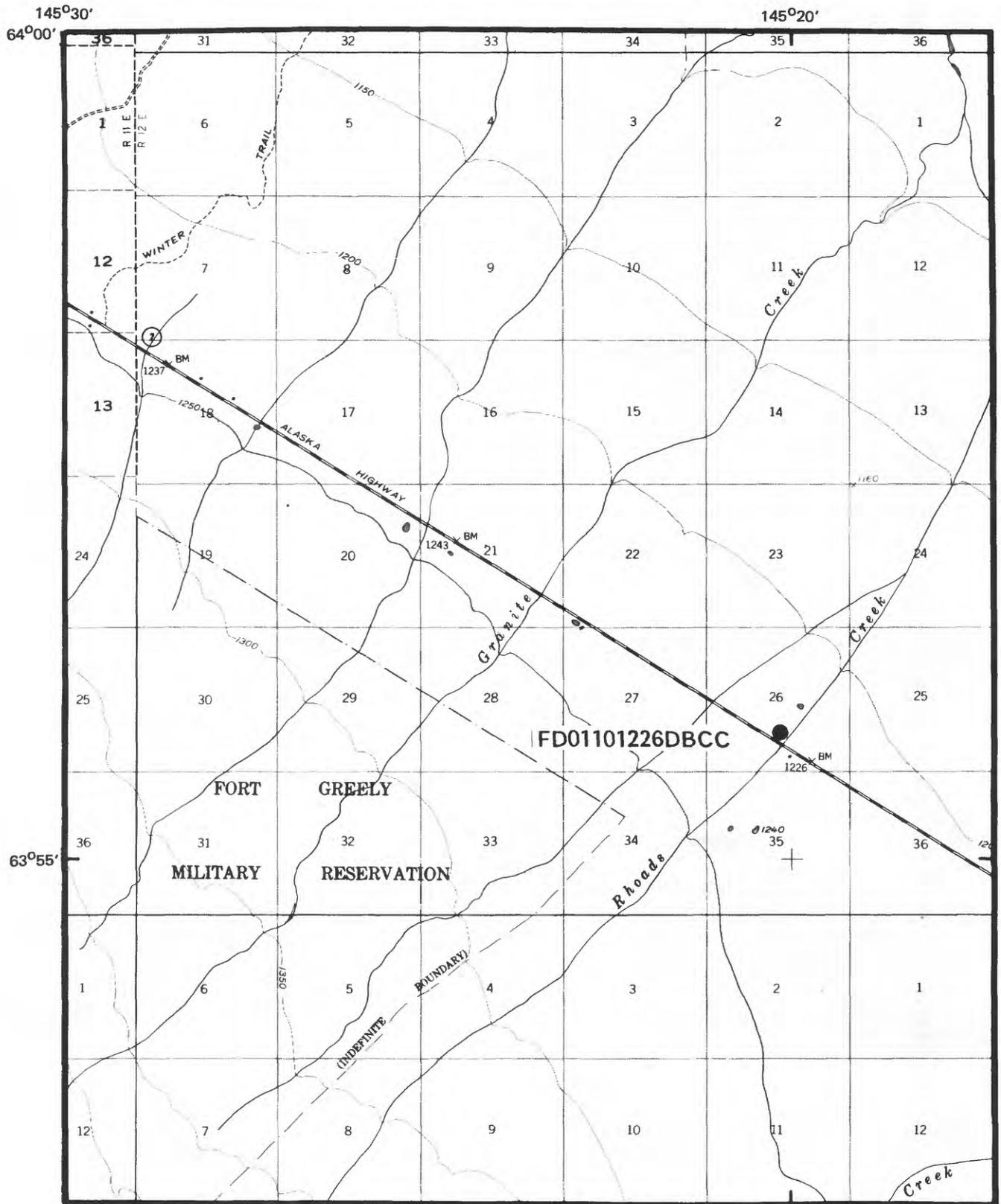


Location of well on pages 54 and 55.

643916147043501. Local number, FD00300314ADCC1 001.
LOCATION.--Lat 64°39'11", long 147°04'35", Hydrologic unit 19030004,
Building 4355, Eielson Air Force Base.
Owner: U.S. Air Force, Eielson Air Force Base.
AQUIFER.--Chena Alluvium of Quaternary age.
WELL CHARACTERISTICS.--Diameter 8 in, depth 101 ft.
INSTRUMENTATION.--Continuous strip-chart recorder.
DATUM.--Altitude of land surface is 540 ft (determined from topographic map).
PERIOD OF RECORD.--1965 to 1975, 1976 to 1983.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 6.87 ft below land-surface datum, July 27, 1967; lowest, 9.90 ft below land-surface datum, Nov. 11, 1969.



Delta area. Index to map on page 57.

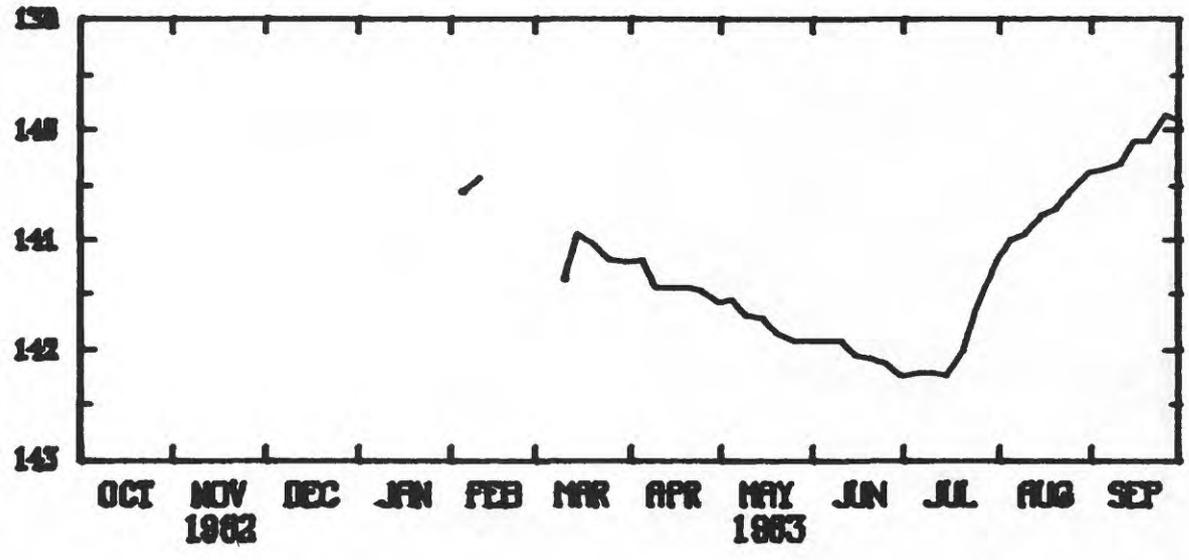


Location of well on pages 58 and 59.

635548145201101. Local number, FD01101226DBCC1 002.
LOCATION.--Lat 63°55'48", long 145°20'11", Hydrologic unit 19030004,
mile 14.08, Richardson Highway, near Delta Junction.
Owner: State of Alaska.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 200 ft, perforated 130
to 140 ft and 185 to 200 ft.
INSTRUMENTATION.--Continuous strip-chart recorder operated from
February 1978 to current year.
DATUM.--Altitude of land surface is 1,225 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 138.52 ft
below land-surface datum, Dec. 25, 1980; lowest, 142.40 ft
below land-surface datum, July 19, 1979.
REMARKS.--Observation well was drilled by U.S. Geological Survey
and is designated Delta Barley Project Well No. 3.

FD0110122608001 002

WATER LEVEL, IN FT BELOW LSD

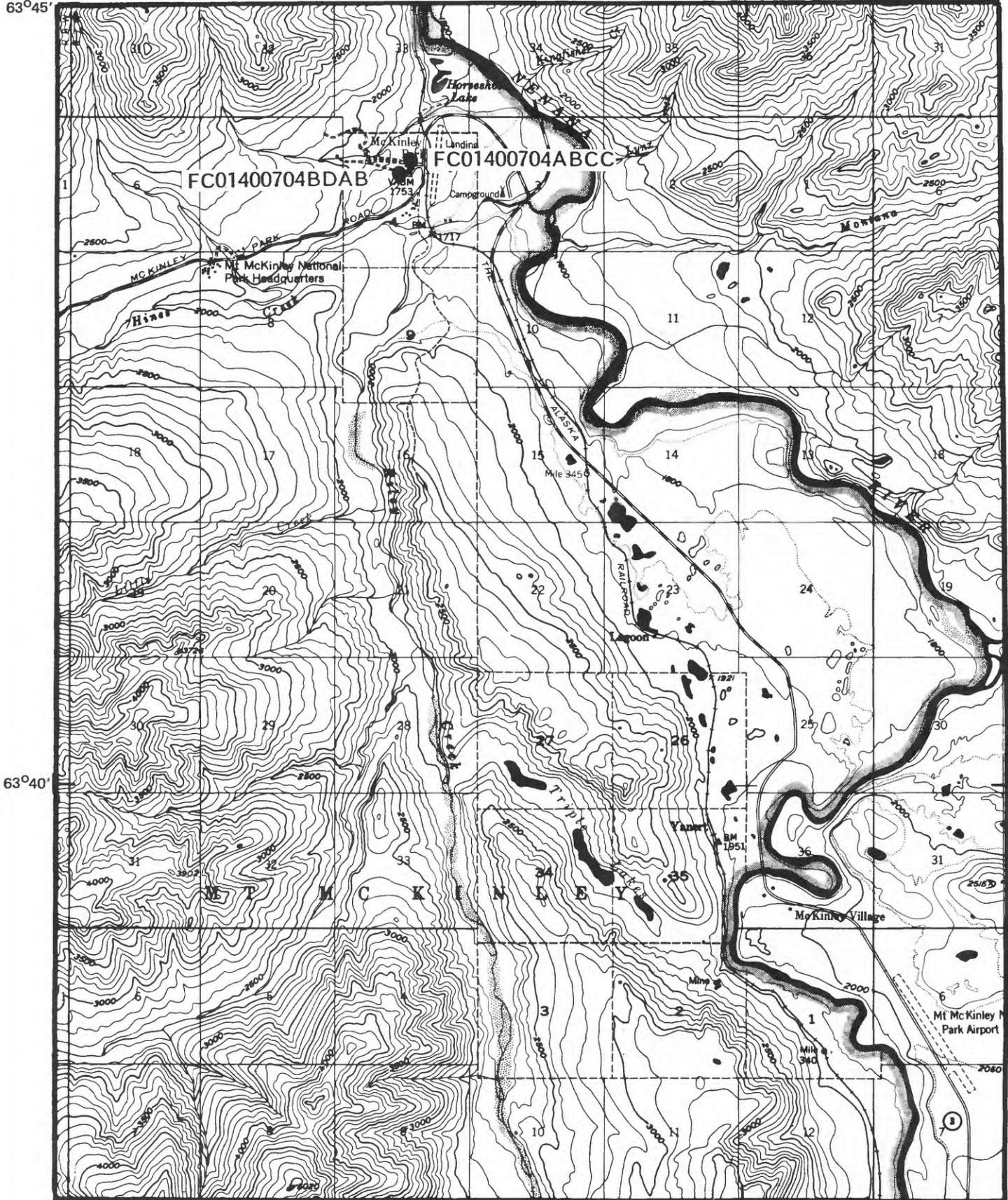




Denali National Park and Preserve area. Index to map on page 61.

149°00'
63°45'

148°50'



Location of wells on pages 62 and 63.

634359148545401. Local number, FC01400704ABCC1 001.

LOCATION.--Lat 63°43'59", long 148°54'54", Hydrologic unit 19030004,
near Denali National Park Hotel.

Owner: U.S. National Park Service.

AQUIFER.--Fractured schist of Precambrian era.

WELL CHARACTERISTICS.--Diameter 8 in, depth 253 ft, cased to 204 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by
personnel from U.S. Geological Survey and U.S. National Park Service.

DATUM.--Altitude of land surface is 1,750 ft (determined from topo-
graphic map).

PERIOD OF RECORD.--1964 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.33 ft
below land-surface datum, June 2, 1980; lowest measured, 109.42 ft
below land-surface datum, Apr. 10, 1966.

634355148550501. Local number, FC01400704BDAB1 002.

LOCATION.--Lat 63°43'55", long 148°55'05", Hydrologic unit 19030004,
near Denali National Park Hotel.

Owner: U.S. National Park Service.

AQUIFER.--Fractured schist of Precambrian era.

WELL CHARACTERISTICS.--Diameter 8 in, depth 307 ft, cased to 304 ft,
perforated 150 to 199 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by
personnel from U.S. Geological Survey and U.S. National Park Service.

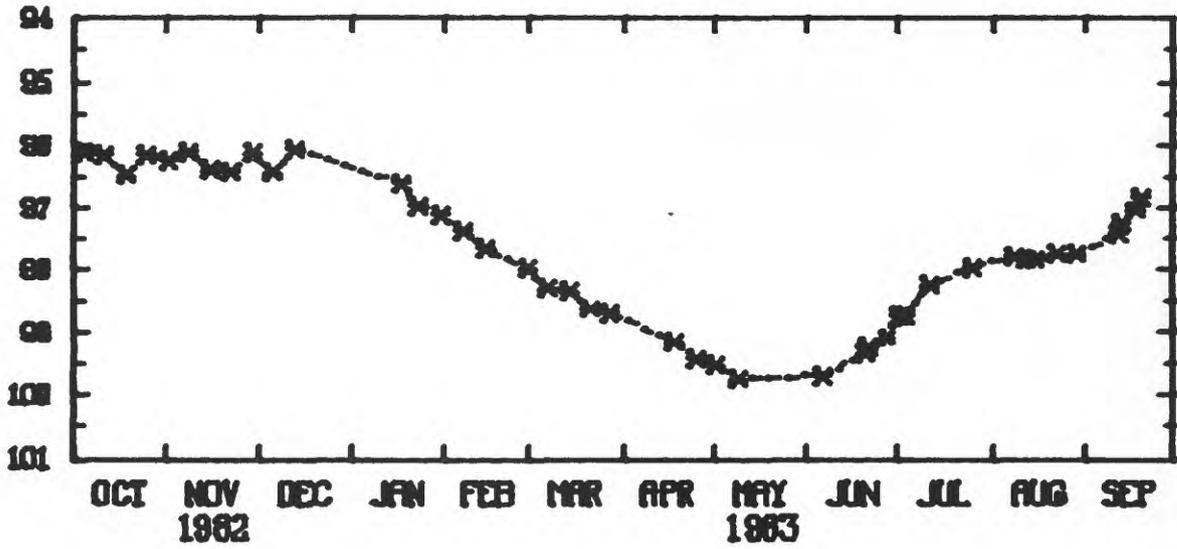
DATUM.--Altitude of land surface is 1,750 ft (determined from topo-
graphic map).

PERIOD OF RECORD.--June 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.26 ft
below land-surface datum, Oct. 4, 1969; lowest measured, 100.60 ft
below land-surface datum, June 22, 1974.

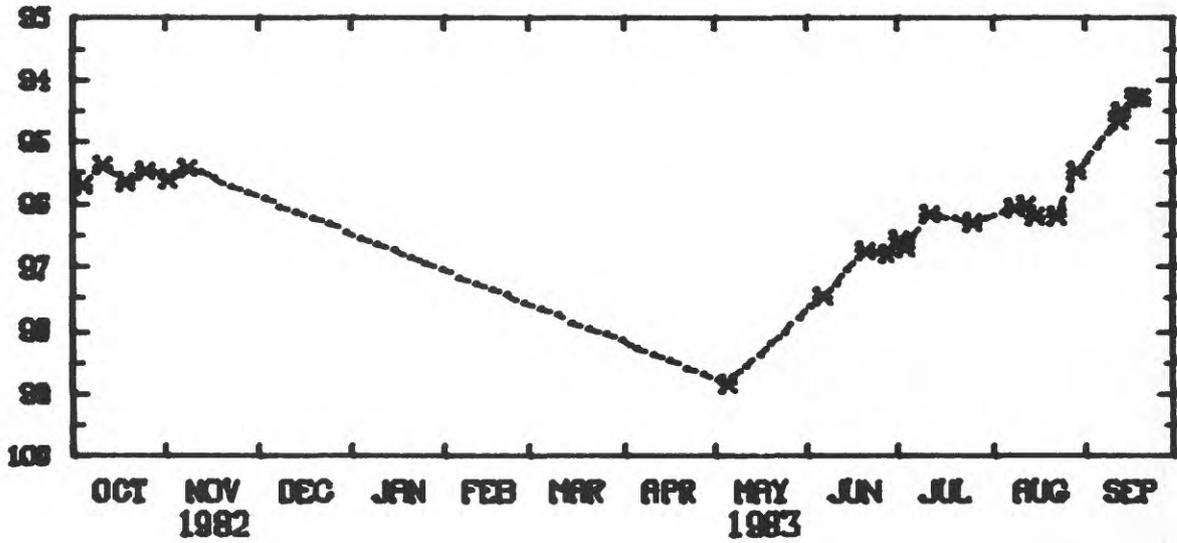
FC01400704AB001 001

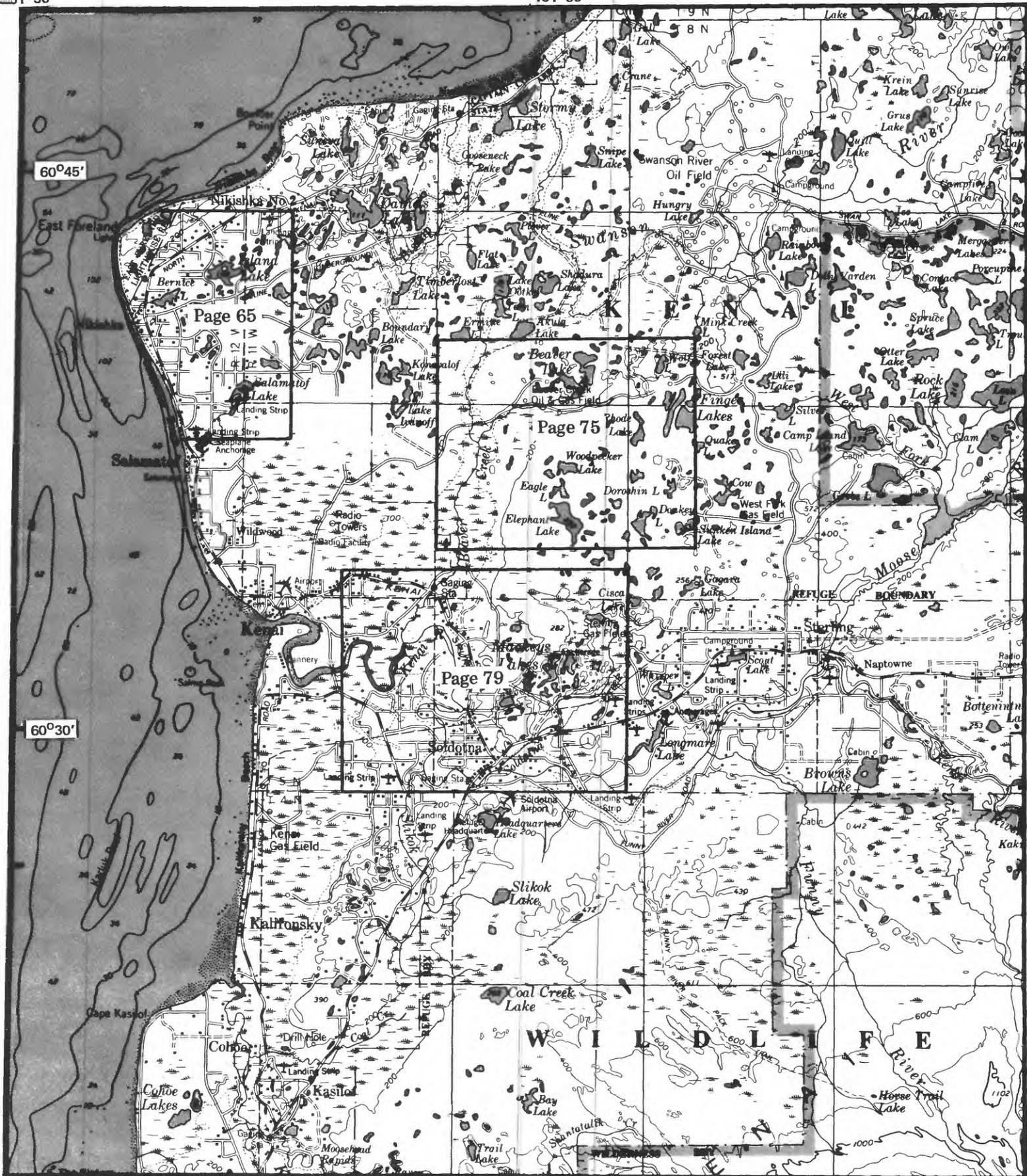
WATER LEVEL, IN FT BELOW LSD



FC01400704B0AB1 002

WATER LEVEL, IN FT BELOW LSD



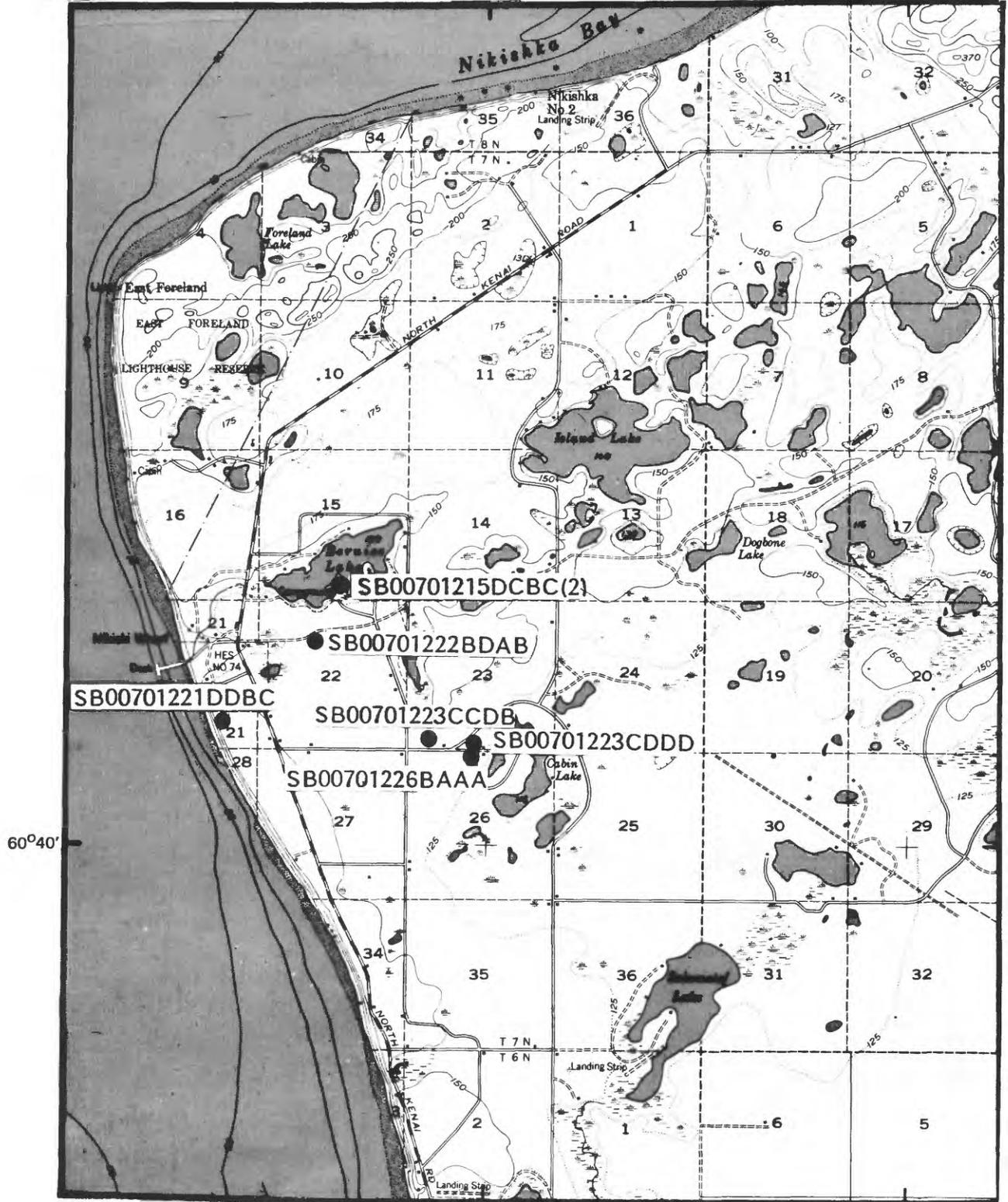


Kenai-Soldotna area.

151°25'

151°20'

151°15'



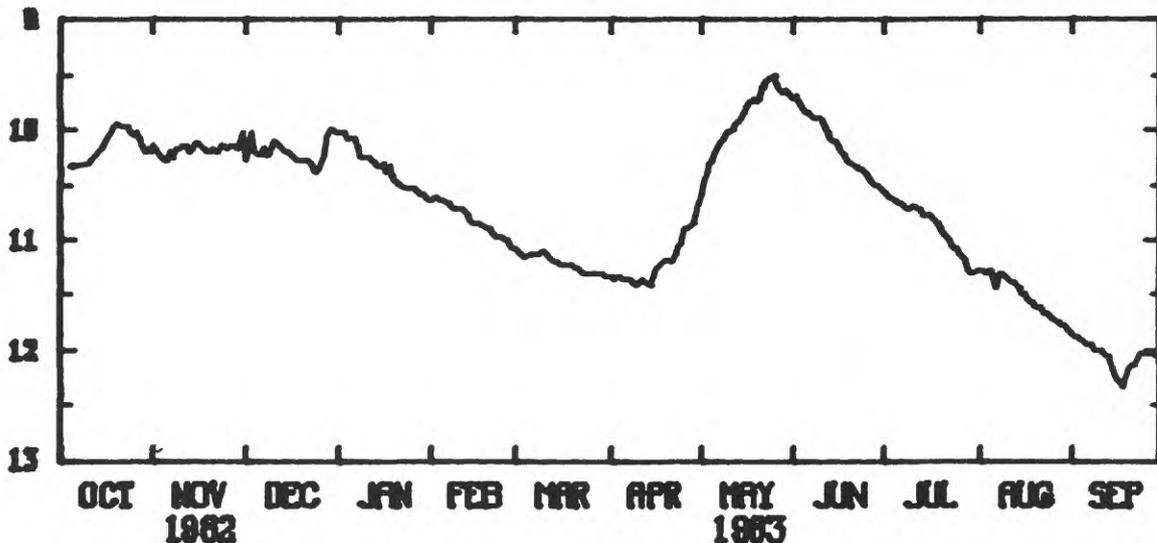
Location of wells on pages 66 - 73.

604133151214802. Local number, SB00701215DCBC2 004.
LOCATION.--Lat 60°41'33", long 151°21'48", Hydrologic unit 19050002,
Bernice Lake campground, North Kenai.
Owner: State of Alaska.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 202 ft, cased to 191 ft,
screened 191 to 196 ft.
INSTRUMENTATION.--Digital recorder -- 30-minute punch.
DATUM.--Altitude of land surface is 84.6 ft (determined from levels
survey).
PERIOD OF RECORD.--June 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 8.23 ft below
land-surface datum, Nov. 3, 1980; lowest, 14.08 ft below land-
surface datum, Sep. 10, 1978.

604133151214803. Local number, SB00701215DCBC3 004.
LOCATION.--Lat 60°41'33", long 151°21'48", Hydrologic unit 19050002,
Bernice Lake campground, North Kenai.
Owner: U.S. Geological Survey.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 52.4 ft, cased to 52.4 ft.
INSTRUMENTATION.--Intermittent measurements with chalked steel tape by
U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 84.6 ft (determined from levels
survey).
PERIOD OF RECORD.--June 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.74 ft
below land-surface datum, Dec. 2, 1980; lowest measured, 13.38 ft
below land-surface datum, Oct. 7, 1978.
REMARKS.--Well is 4 ft east of well SB00701215DCBC2 004.

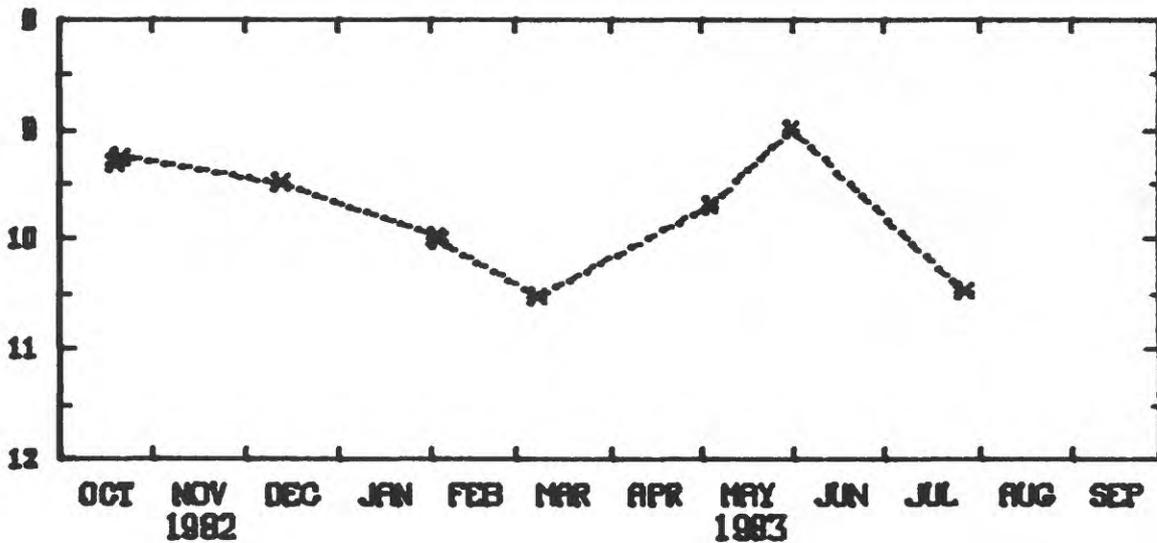
S8007012150C8C2 004

WATER LEVEL, IN FT BELOW LSD



S8007012150C8C3 004

WATER LEVEL, IN FT BELOW LSD

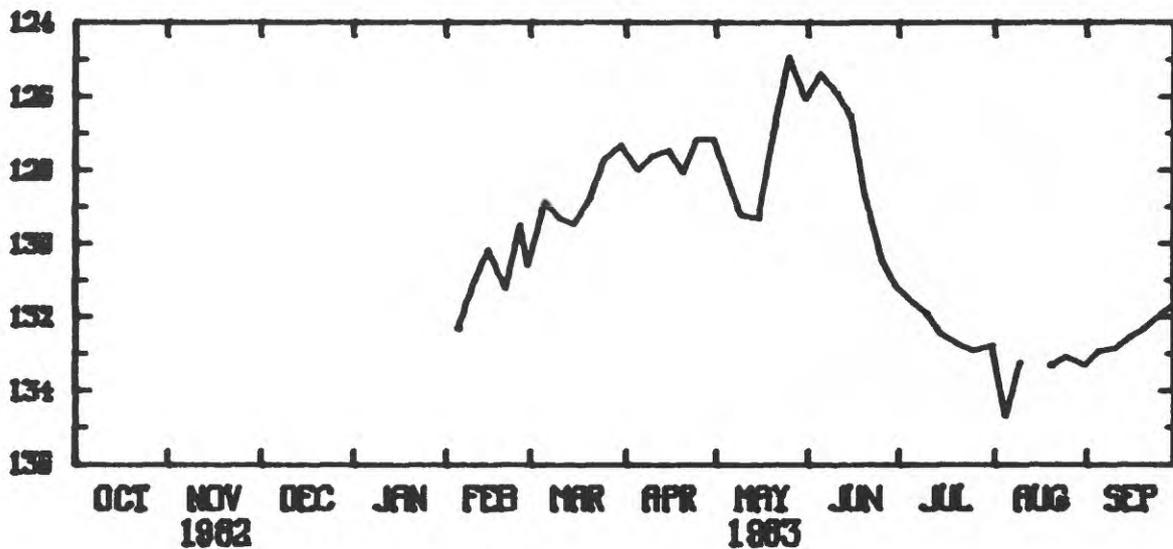


60411151220003. Local number, SB00701222BDAB3 008.
LOCATION.--Lat 60°41'14", long 151°22'00", Hydrologic unit 19050002,
Tesoro Alaska Refinery, North Kenai.
Owner: U.S. Geological Survey.
AQUIFER.--Gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 332 ft.
INSTRUMENTATION.--Continuous strip-chart recorder.
DATUM.--Altitude of land surface is 125 ft (determined from topographic map).
PERIOD OF RECORD.--1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 116.75 ft below land-surface datum, Nov. 29, 1977; lowest, 151.56 ft below land-surface datum, Apr. 26, 1979.

604041151230701. Local number, SB00701221DDBC1 008.
LOCATION.--Lat 60°40'41", long 151°23'13", Hydrologic unit 19050002,
Union Chemical Plant, North Kenai.
Owner: Union Chemical Company.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 10 in, depth 382 ft, screened 342 to 382 ft.
INSTRUMENTATION.--Continuous strip-chart recorder.
DATUM.--Altitude of land surface is 118 ft (determined from topographic map).
PERIOD OF RECORD.--1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 99.68 ft below land-surface datum, Aug. 30, 1977; lowest, about 156 ft below land-surface datum, Apr. 26-27, 1979.

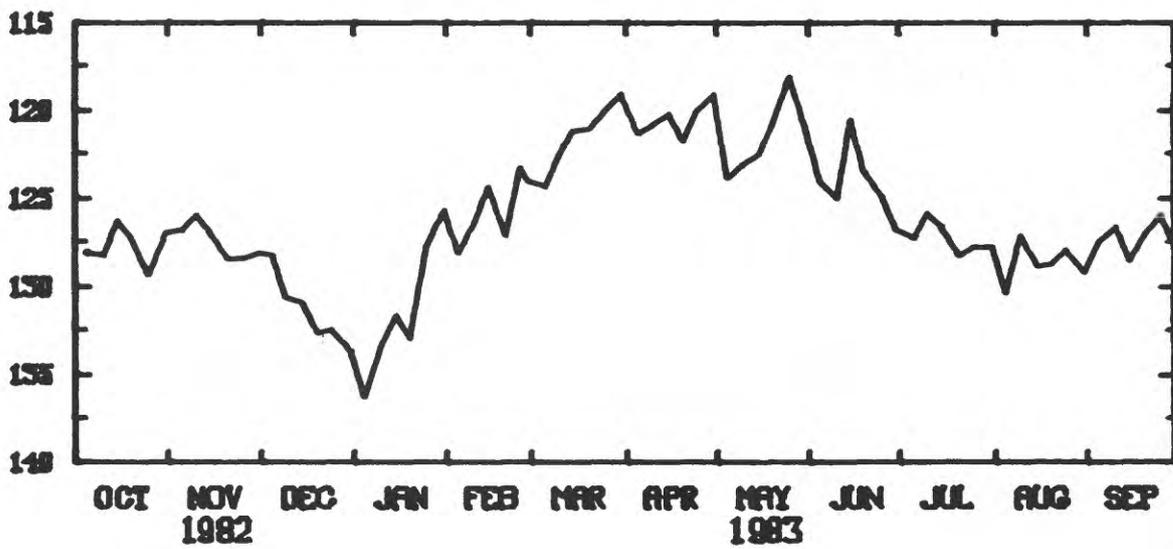
WATER LEVEL, IN FT BELOW LSD

SB0070122260FB3 008



WATER LEVEL, IN FT BELOW LSD

SB0070122100BC1 008

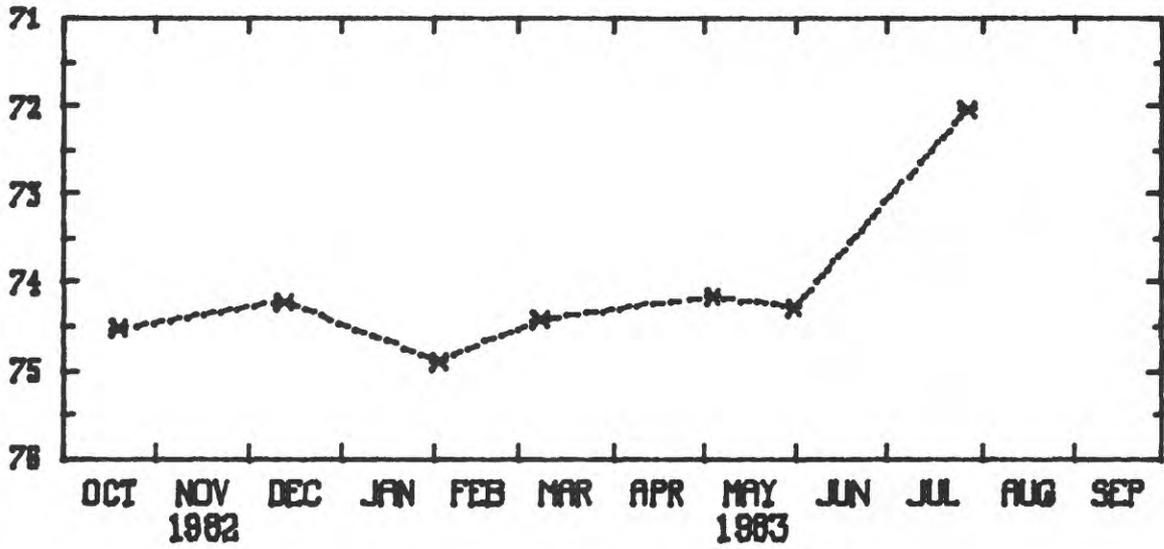


604034151200601. Local number, SB00701223CDDD1 006.
LOCATION.--Lat 60°40'34", long 151°20'06", Hydrologic unit 19050002,
mile 1.5, Miller Loop Road, North Kenai.
Owner: Union Chemical Company.
AQUIFER.--Sand of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 10 in, depth 408 ft, perforated 150
to 155 ft.
INSTRUMENTATION.--Intermittent measurements with chalked steel tape by
U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 130 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 72.03 ft
below land-surface datum, July 27, 1983; lowest measured, 77.37 ft
below land-surface datum, May 9, 1979.

604031151200607. Local number, SB00701226BAAA7 003.
LOCATION.--Lat 60°40'31", long 151°20'06", Hydrologic unit 19050002,
mile 1.5, Miller Loop Road, North Kenai.
Owner: Union Chemical Company.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 12 in, depth 90 ft, screened 55 to
65 ft, screened 65 to 75 ft, screened 85 to 90 ft.
INSTRUMENTATION.--Intermittent measurements with chalked steel tape by
U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 118 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.01 ft
below land-surface datum, Dec. 2, 1980; lowest measured, 28.20 ft
below land-surface datum, Apr. 20, 1971.

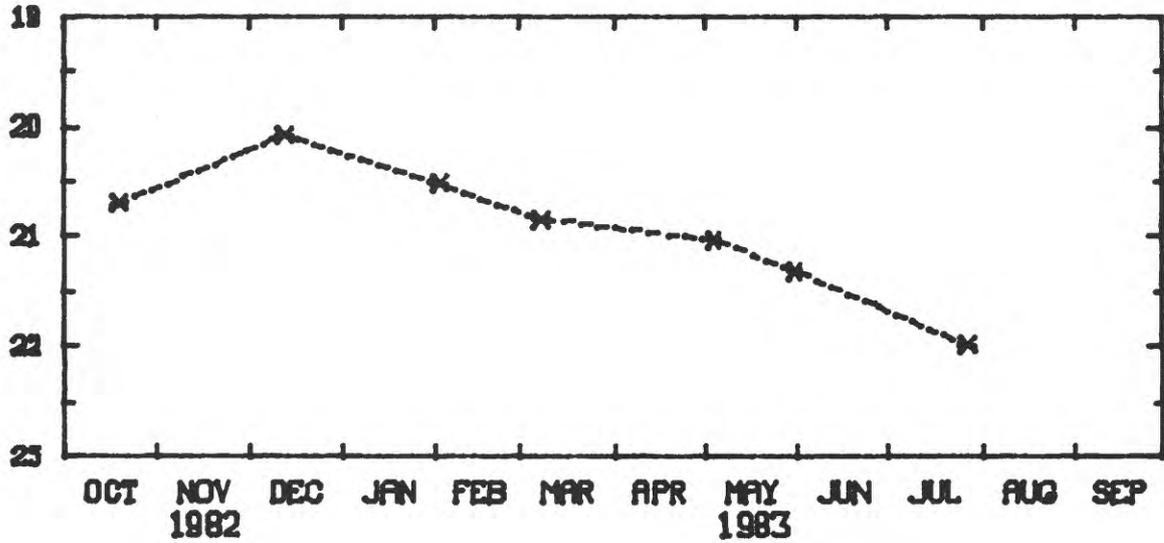
SB00701223CDD01 006

WATER LEVEL, IN FT BELOW LSD



SB00701226BAAA7 003

WATER LEVEL, IN FT BELOW LSD



604038151204303. Local number, SB00701223CCDB3 008.

LOCATION.--Lat 60°40'38", long 151°20'43", Hydrologic unit 19050002, mile 1, Miller Loop Road, North Kenai.

Owner: Union Chemical Company.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 6 in, depth 112 ft, screened 106 to 110 ft.

INSTRUMENTATION.--Continuous strip-chart recorder.

DATUM.--Altitude of land surface is 129.7 ft (determined from levels survey).

PERIOD OF RECORD.--December 1967 to current year.

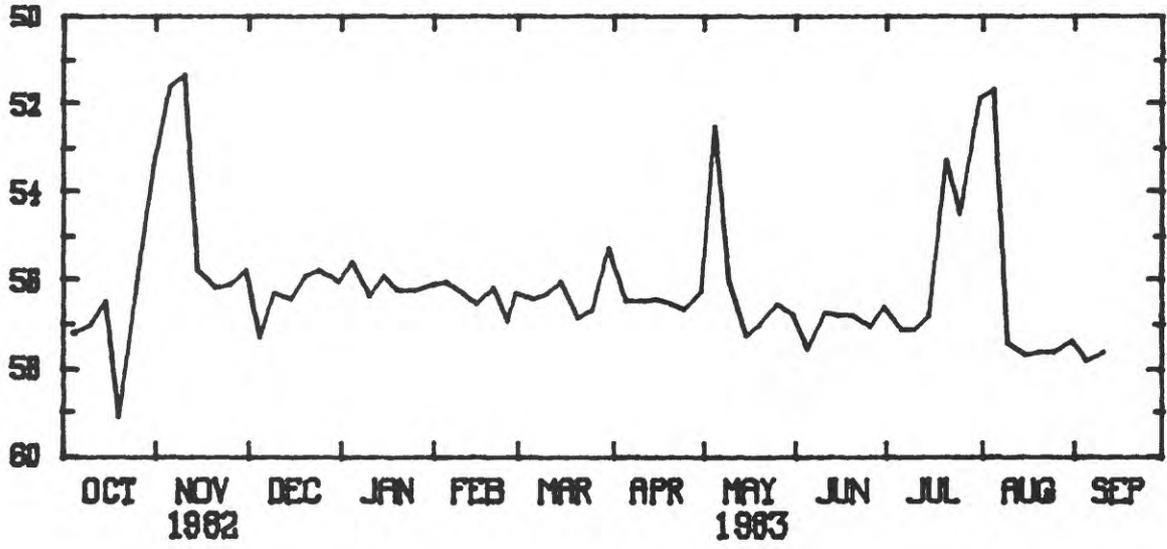
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 46.52 ft below land-surface datum, Feb. 7, 1968; lowest, 65.94 ft below land-surface datum, June 16, 1978.

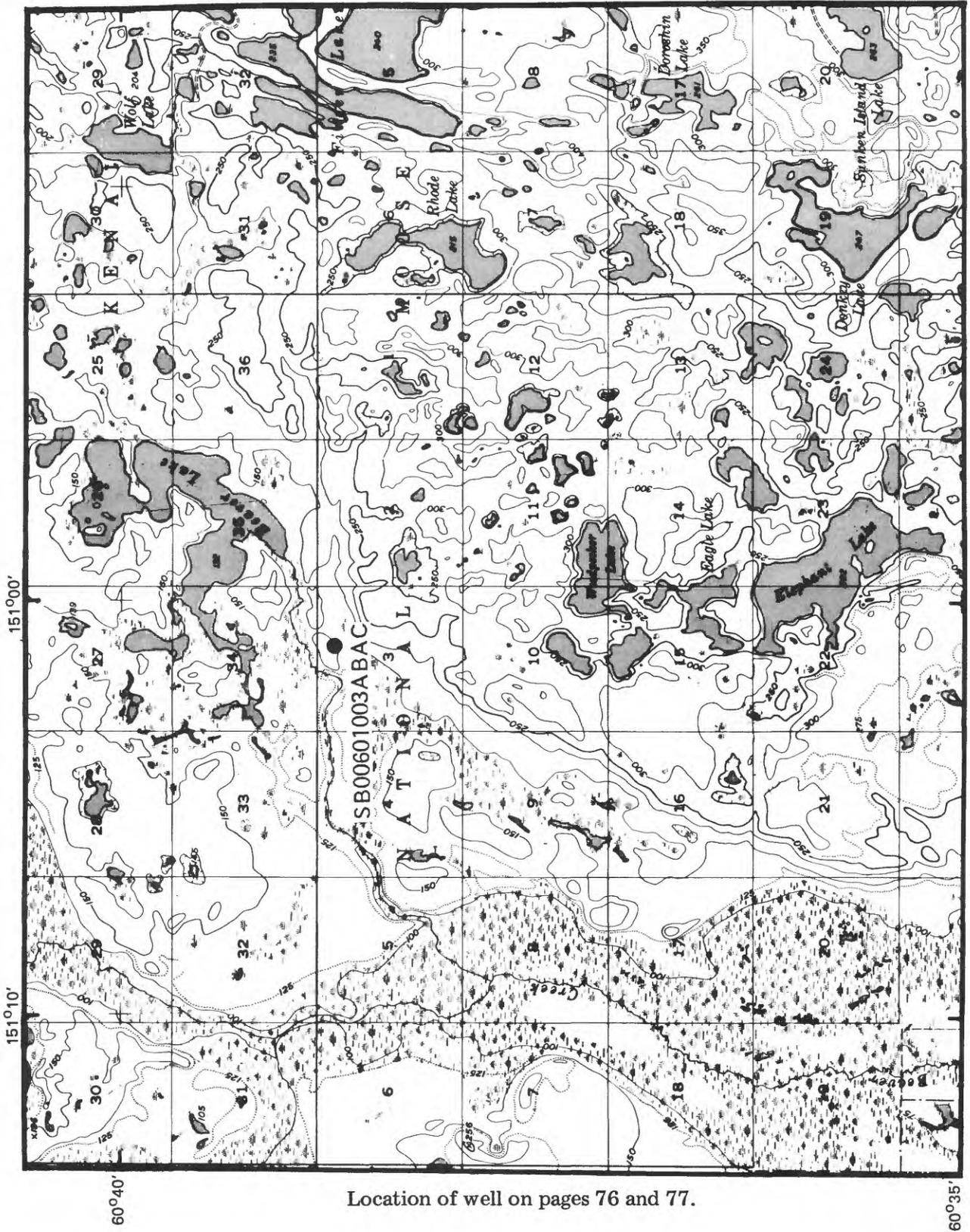
REMARKS.--Water levels are affected by pumping of nearby wells.

Well is also known as Union Chemical 5B.

SB0070122300DB3 008

WATER LEVEL, IN FT BELOW LSD



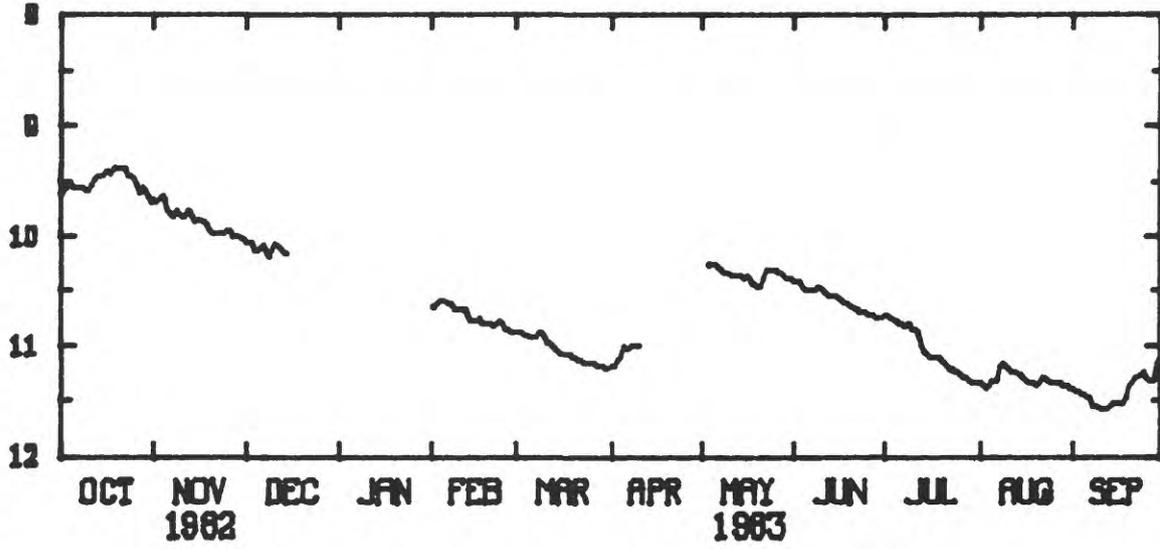


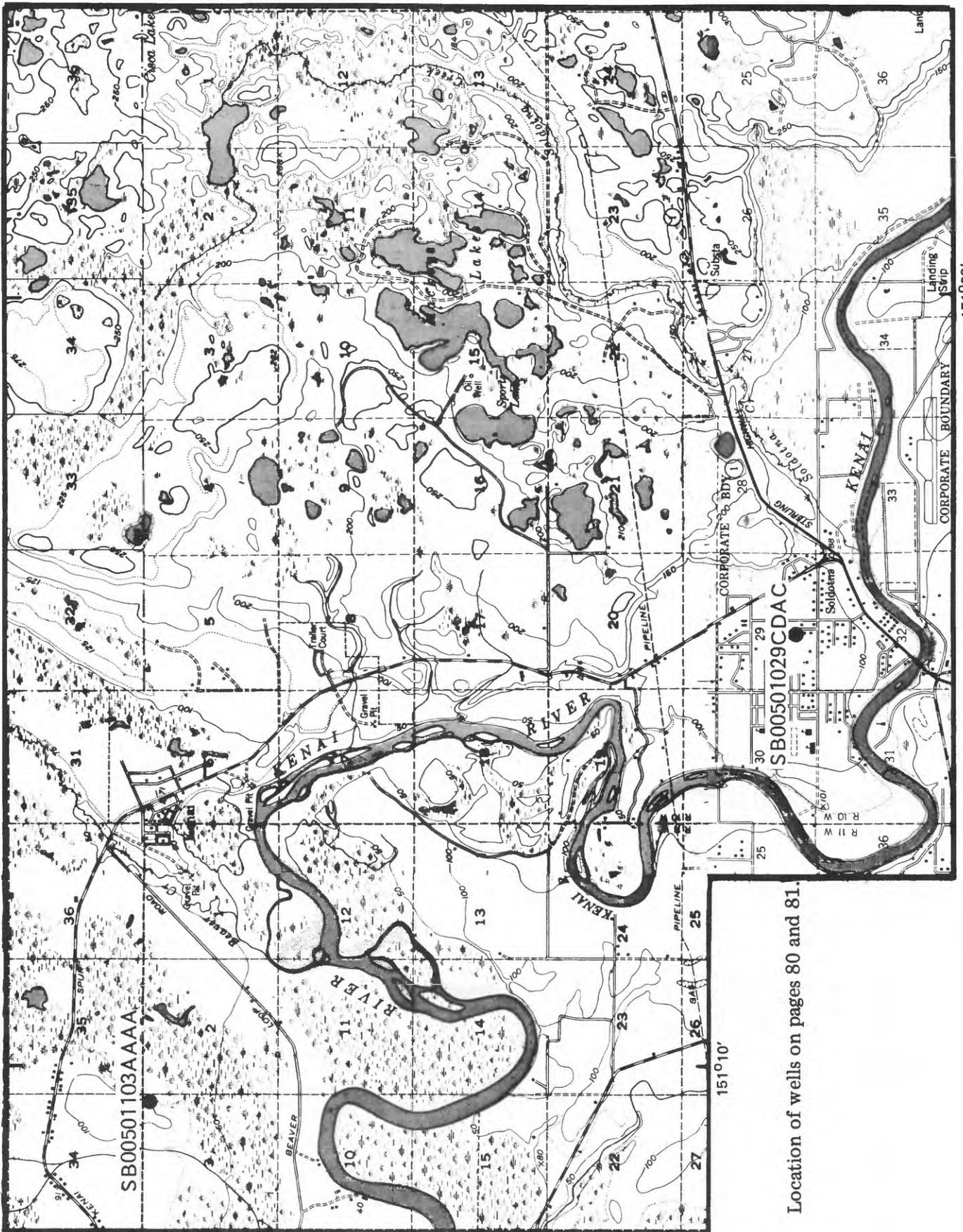
Location of well on pages 76 and 77.

603846151002701. Local number, SB00601003ABAC1 001.
LOCATION.--Lat 60°38'46", long 151°00'27", Hydrologic unit 19050002,
Marathon Oil Well Road in Beaver Creek basin, Kenai area.
Owner: Marathon Oil.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 65 ft, cased to 65 ft.
INSTRUMENTATION.--Digital recorder -- 30-minute punch.
DATUM.--Altitude of land surface is 150 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--August 1968 to November 1973, April 1976 to
current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 8.66 ft below
land-surface datum, Nov. 15 and 16, 1979; lowest, 14.26 ft below
land-surface datum, Apr. 4, 1969.

SB00601003ABAC1 001

WATER LEVEL, IN FT BELOW LSD





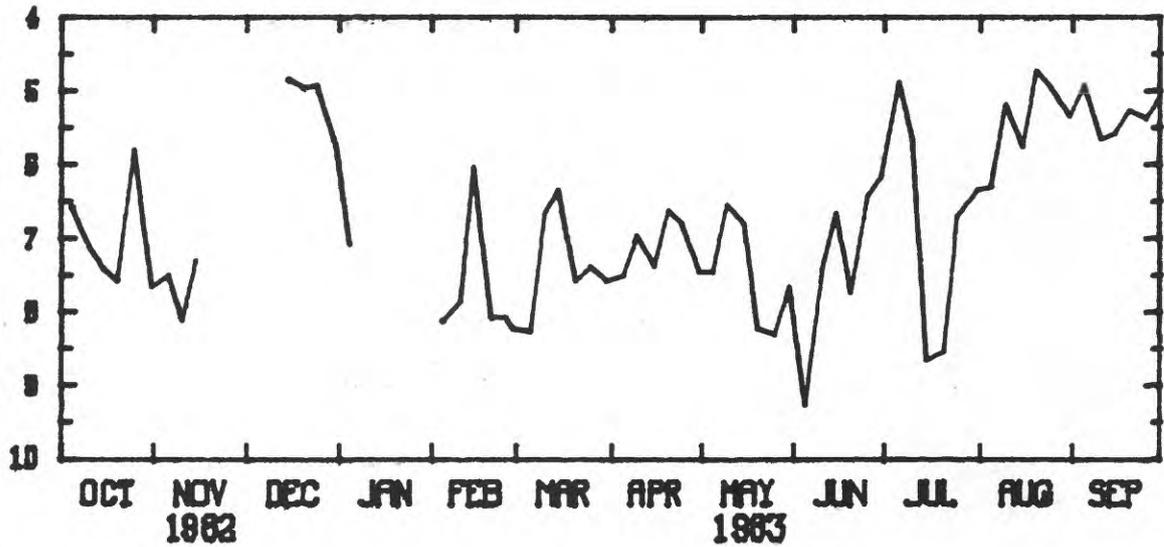
Location of wells on pages 80 and 81.

602926151042201. Local number, SB00501029CDAC1 001.
LOCATION.--Lat 60°29'26", long 151°04'22", Hydrologic unit 19050002,
Mt. Redoubt Way, Soldotna.
Owner: Charles S. Parker.
AQUIFER.--Gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 8 in, depth 100 ft, cased to 100 ft,
perforated 81 to 97 ft.
INSTRUMENTATION.--Continuous strip-chart recorder.
DATUM.--Altitude of land surface is 94 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--March 1963 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.38 ft below
land-surface datum, June 28, 1963; lowest, 13.11 ft below land-
surface datum; occurred sometime between Feb. 15 and Apr. 15, 1976.

603334151103001. Local number, SB00501103AAAA1 001.
LOCATION.--Lat 60°33'34", long 151°10'30", Hydrologic unit 19050002,
Swires Street, Kenai.
Owner: City of Kenai.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 273 ft, perforated 177
to 182 ft.
INSTRUMENTATION.--Digital recorder -- 30-minute punch.
DATUM.--Altitude of land surface is 80 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 8.64 ft below
land-surface datum, Dec. 3-4, 1979; lowest, 16.53 ft below land-
surface datum, Apr. 15, 1972.

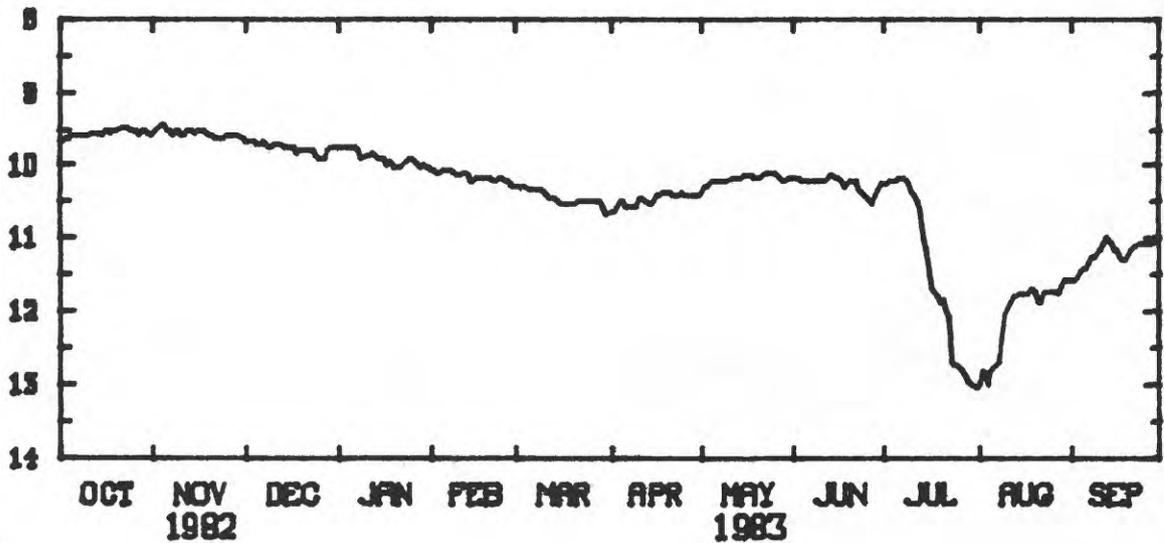
WATER LEVEL, IN FT BELOW LSD

SB005010290DAG1 001



WATER LEVEL, IN FT BELOW LSD

SB00501103AAAA1 001



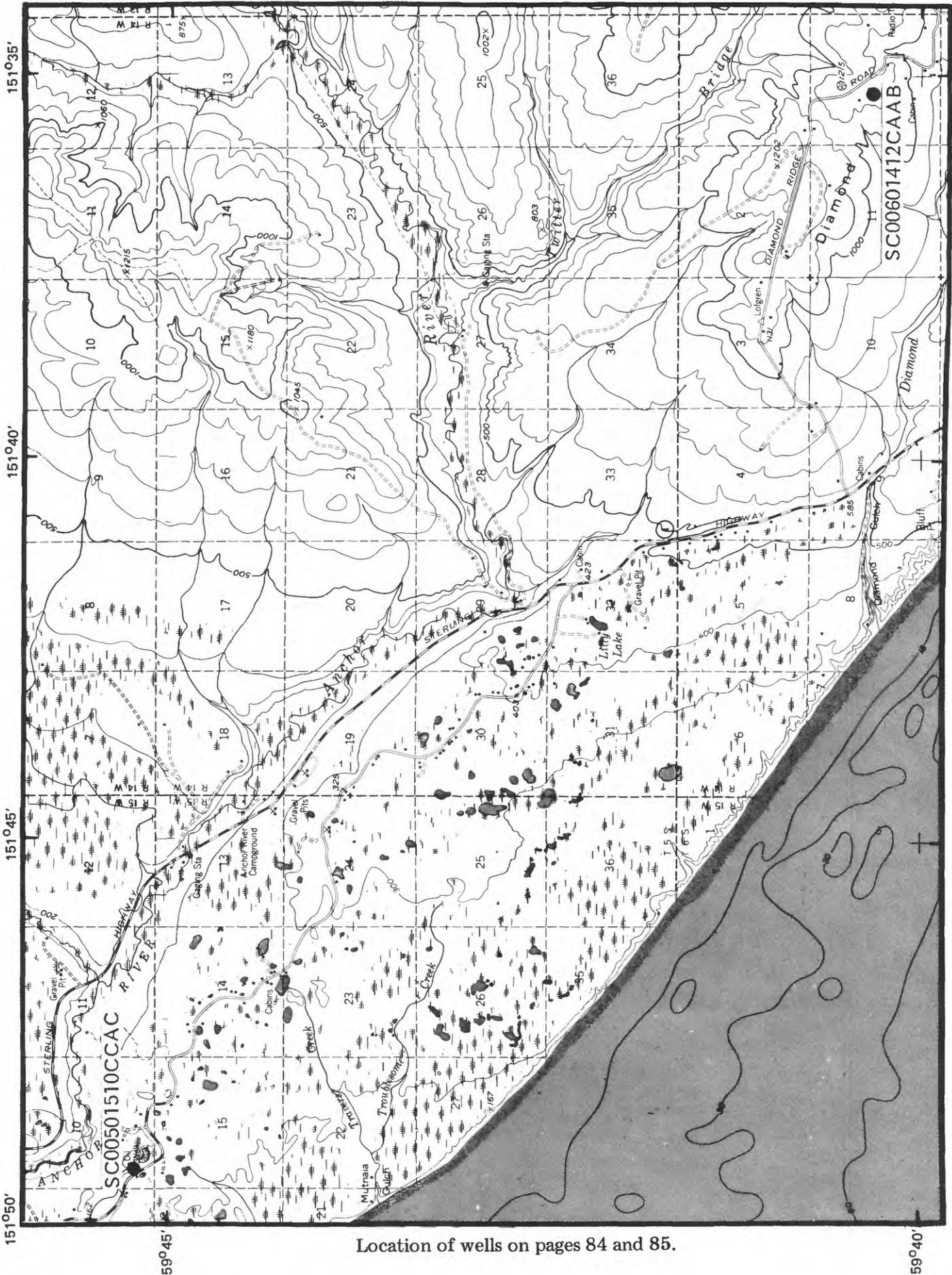
151°30'

60°00'

BASE LINE



Lower Kenai Peninsula area. Index to map on page 83.



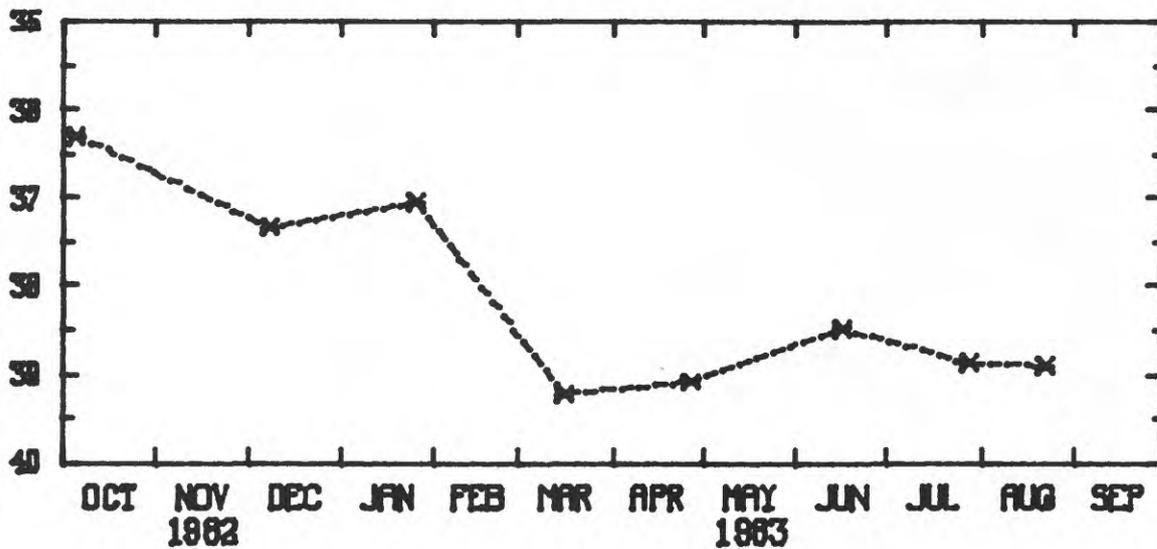
Location of wells on pages 84 and 85.

594515151492201. Local number, SC00501510CCAC1 001.
LOCATION.--Lat 59°45'15", long 151°49'22", Hydrologic unit 19050002,
mile 161, Old Sterling Highway, near Anchor Point.
Owner: Raymond Williams.
AQUIFER.--Sand and gravel of the Quaternary or Tertiary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 100 ft, perforated 91 to
100 ft.
INSTRUMENTATION.--Intermittent measurements with chalked steel tape by
U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 240 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--May 1962 to September 1970, May 1972 to current
year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.85 ft
below land-surface datum, May 31, 1963; lowest measured, 47.89 ft
below land-surface datum, June 20, 1964.
REMARKS.--Water is pumped from the well for domestic uses.

594019151351201. Local number, SC00601412CAAB1 001.
LOCATION.--Lat 59°40'19", long 151°35'12", Hydrologic unit 19050002,
Pitzman Avenue on Diamond Ridge, Homer.
Owner: Becky Fox-Krogstad.
AQUIFER.--Sandstone and conglomerate of the Tertiary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 56 ft, cased to 47.5 ft,
backfilled with gravel to 49 ft.
INSTRUMENTATION.--Intermittent measurements with chalked steel tape by
U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 1,150 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--June 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.57 ft
below land-surface datum, May 8, 1979; lowest measured, 11.74 ft
below land-surface datum, Mar. 16, 1983.
REMARKS.--Water is pumped from the well for domestic uses.

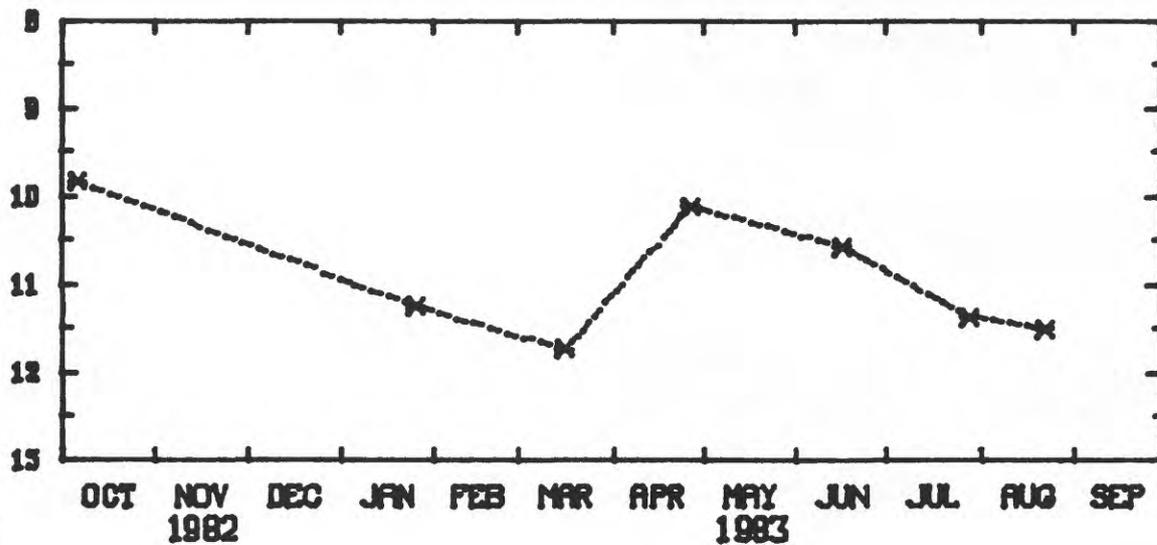
SC00501510CCAC1 001

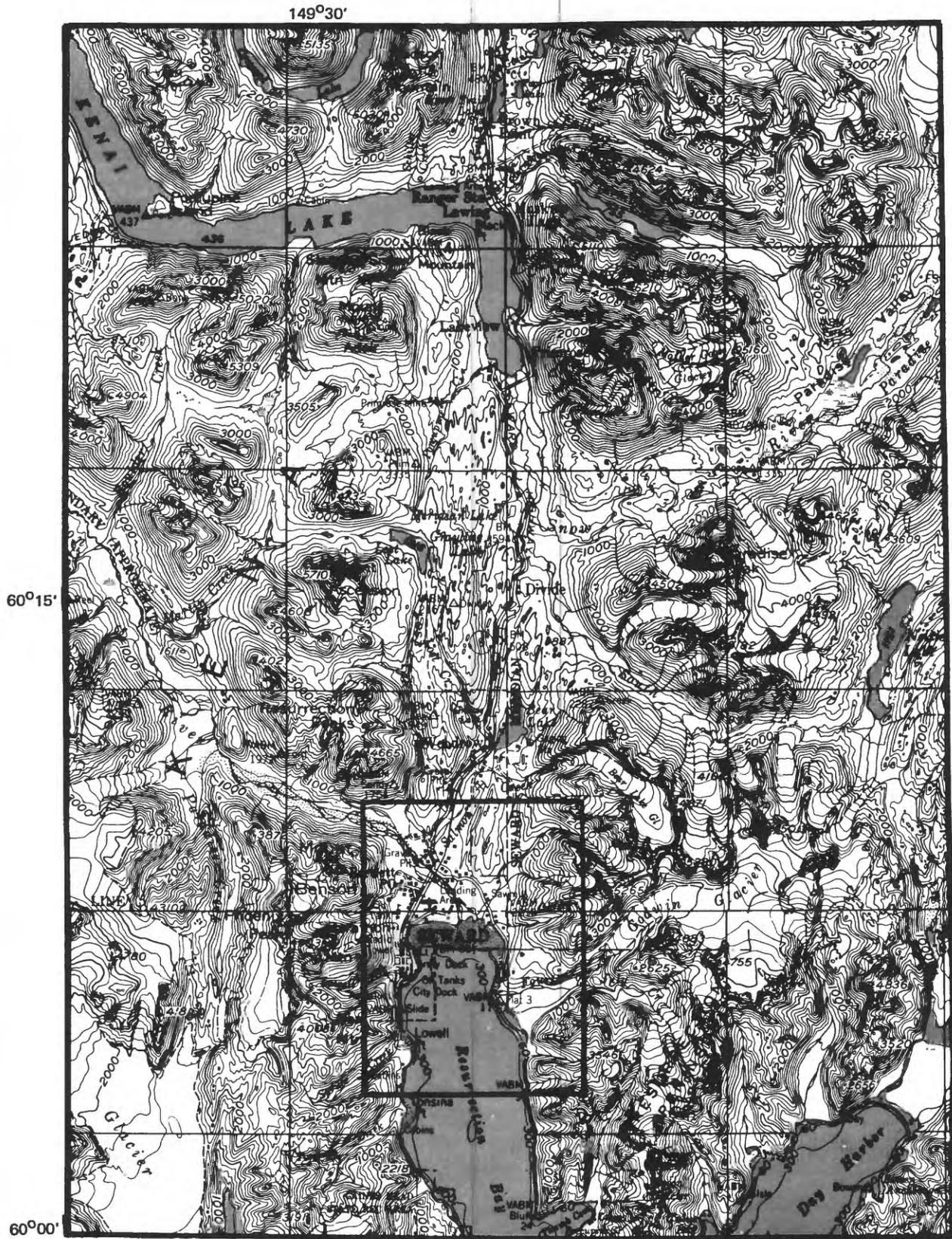
WATER LEVEL, IN FT BELOW LSD



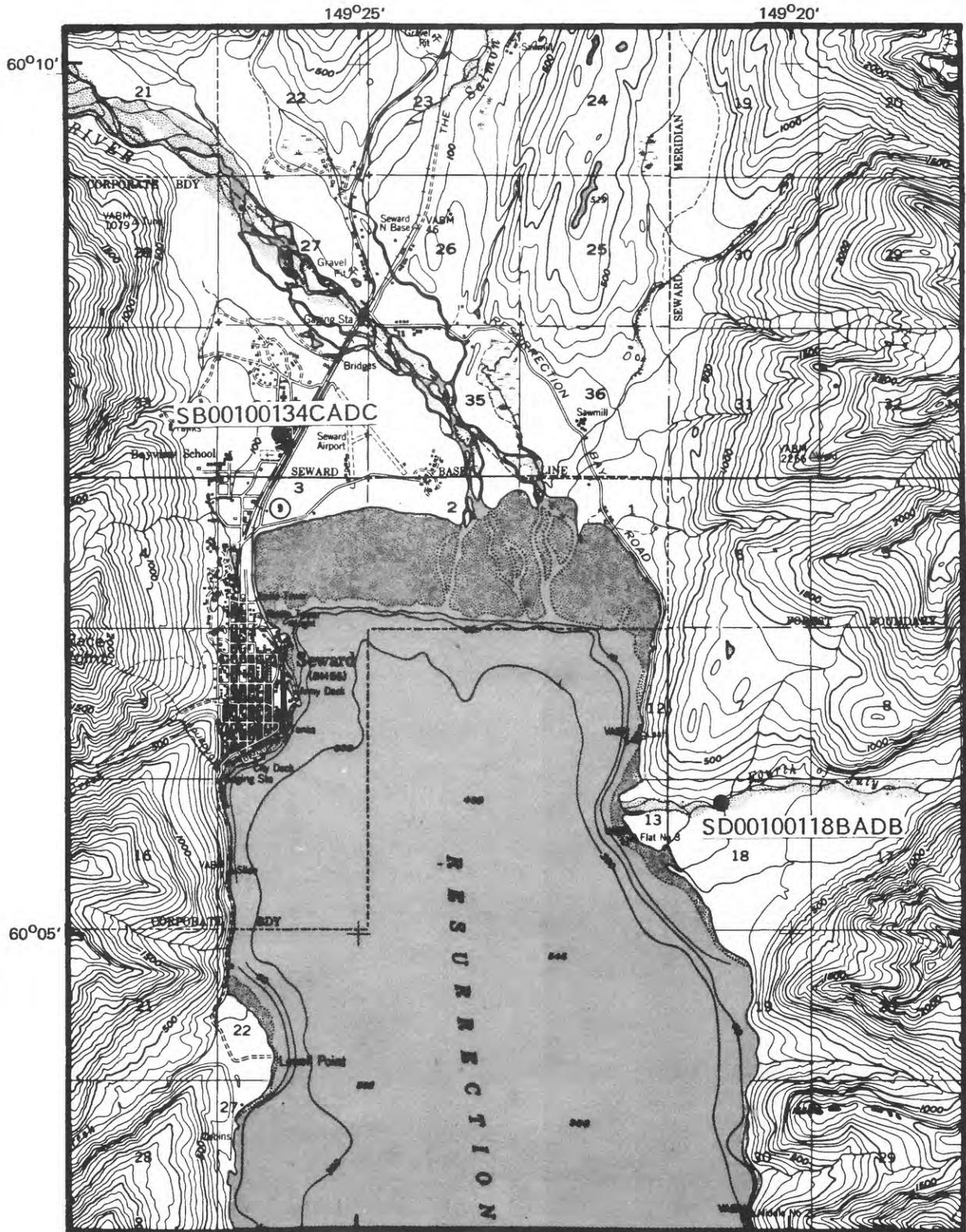
SC00601412CAFB1 001

WATER LEVEL, IN FT BELOW LSD





Seward area. Index to map on page 87.



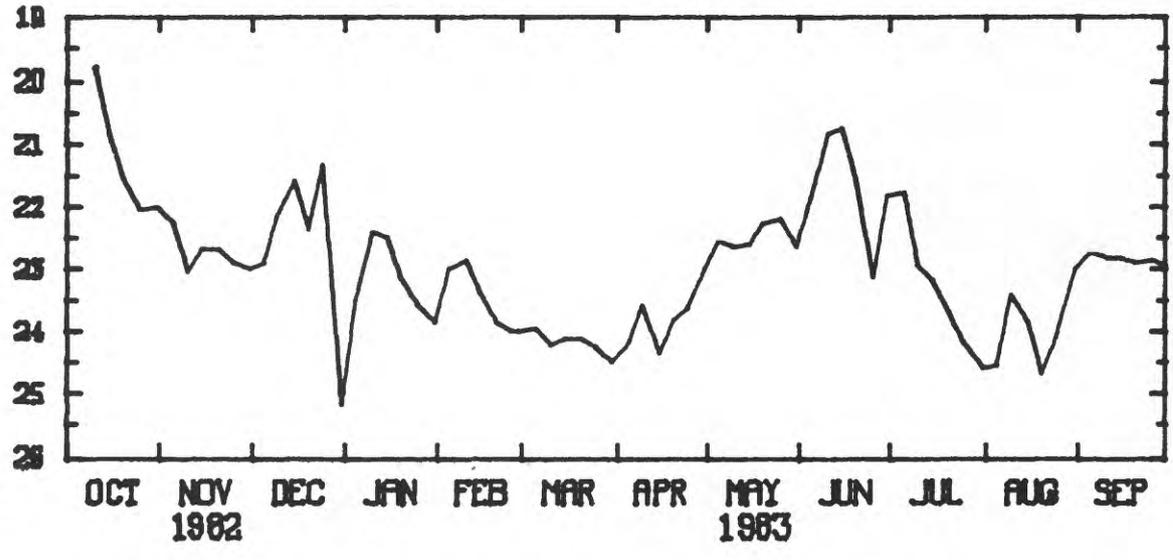
Location of wells on pages 88 and 89.

600808149254802. Local number, SB00100134CADC2 003.
LOCATION.--Lat 60°07'52", long 149°25'56", Hydrologic unit 19050003,
at Fort Raymond Recreation Camp, near Seward.
Owner: City of Seward.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 8 in, depth 141 ft, screen reportedly
installed at bottom of well.
INSTRUMENTATION.--Continuous strip-chart recorder.
DATUM.--Altitude of land surface is 46 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--July-August 1964, October 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 13.07 ft below
land-surface datum, Dec. 1, 1976; lowest, 27.72 ft below land-
surface datum, Apr. 14, 1979.
REMARKS.--Water levels are affected by pumping of nearby wells.

600546149204301. Local number, SD00100118BADB1 001.
LOCATION.--Lat 60°05'46", long 149°20'43", Hydrologic unit 19050003,
near Fourth of July Creek, near Seward.
Owner: U.S. Geological Survey.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 78 ft.
INSTRUMENTATION.--Continuous strip-chart recorder.
DATUM.--Altitude of land surface is 55 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 13.79 ft below
land-surface datum, June 2, 1983; lowest, 28.81 ft below land-
surface datum, Apr. 27, 1983.
REMARKS.--Water level fluctuates with river stage.

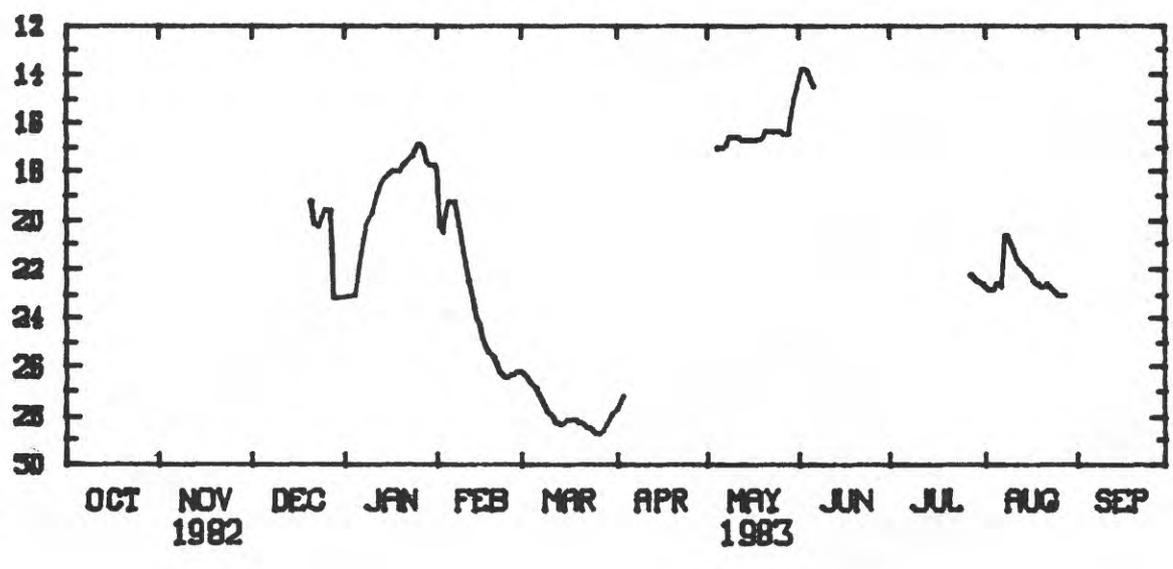
SB00100134CADG2 003

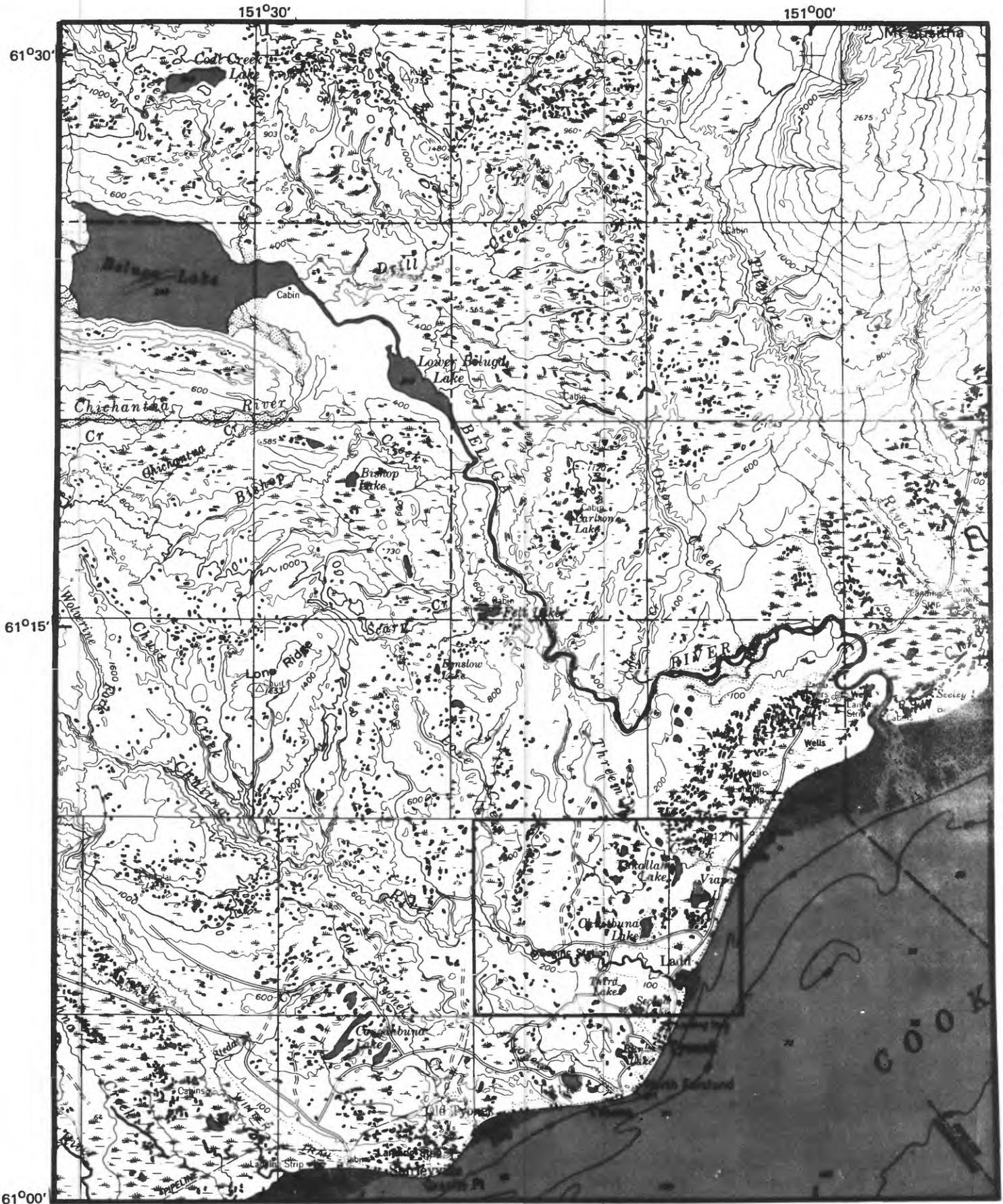
WATER LEVEL, IN FT BELOW LSD



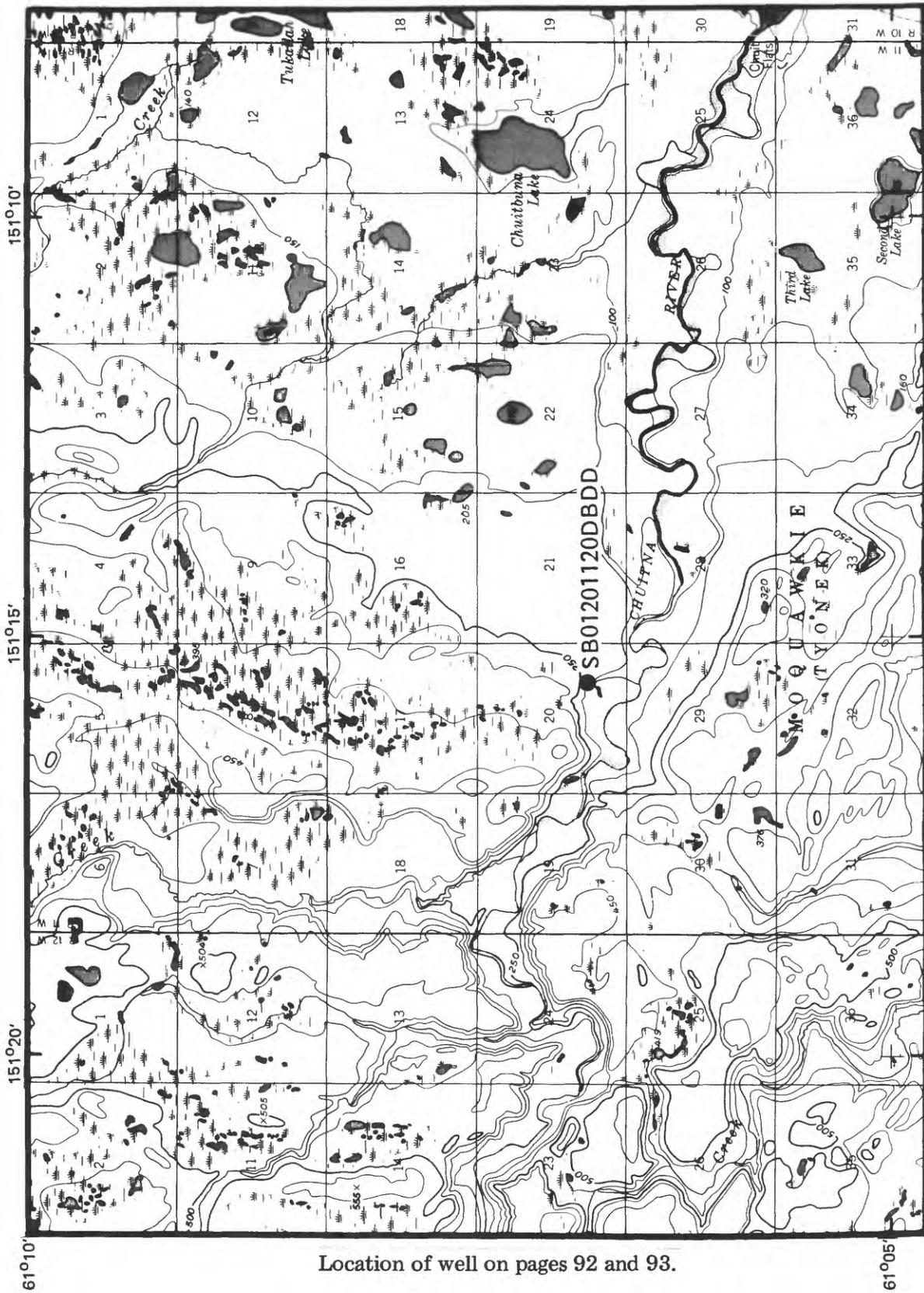
SD00100118BADB1 001

WATER LEVEL, IN FT BELOW LSD





Tyonek area. Index to map on page 91.



Location of well on pages 92 and 93.

610647151153001. Local number, SB01201120DBDD1 001.

LOCATION.--Lat 61°06'47", long 151°15'30", Hydrologic unit 19050002,
4 mi northwest of Tyonek.

Owner: U.S. Geological Survey.

AQUIFER.--Claystone and coal of Tertiary System.

WELL CHARACTERISTICS.--Hole depth 320 ft, 6 in steel casing to 43 ft,
4 in plastic pipe to 206 ft, perforated 106 to 206 ft, clay plug
in pipe 194 to 206 ft.

INSTRUMENTATION.--Continuous strip-chart recorder.

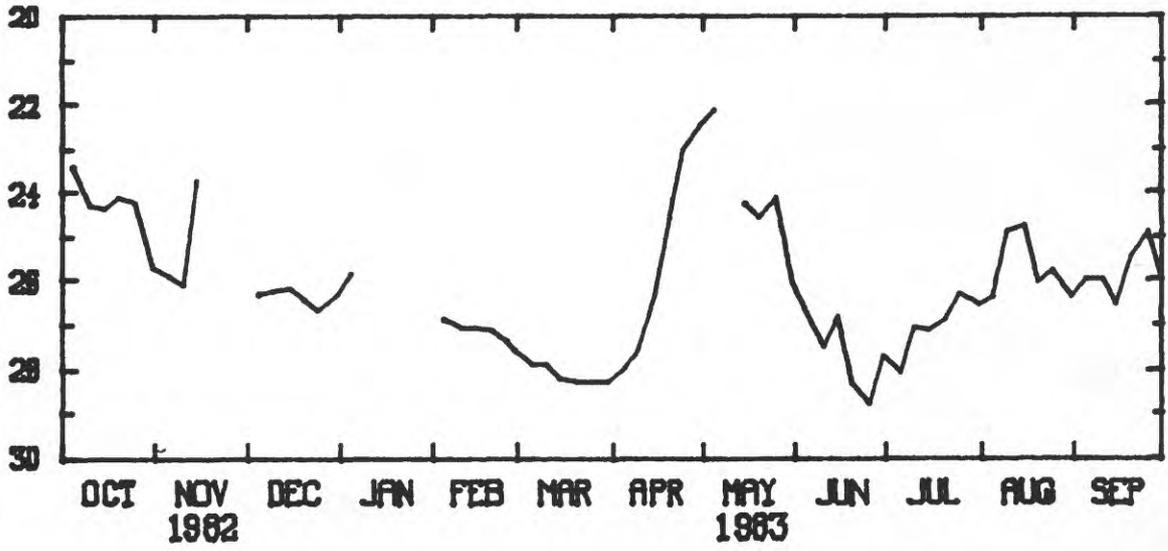
DATUM.--Altitude of land surface is 210 ft (determined from topo-
graphic map).

PERIOD OF RECORD.--December 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 20.06 ft
below land-surface datum, Apr. 27, 1978; lowest, 32.44 ft below
land-surface datum, July 30 and 31, 1980.

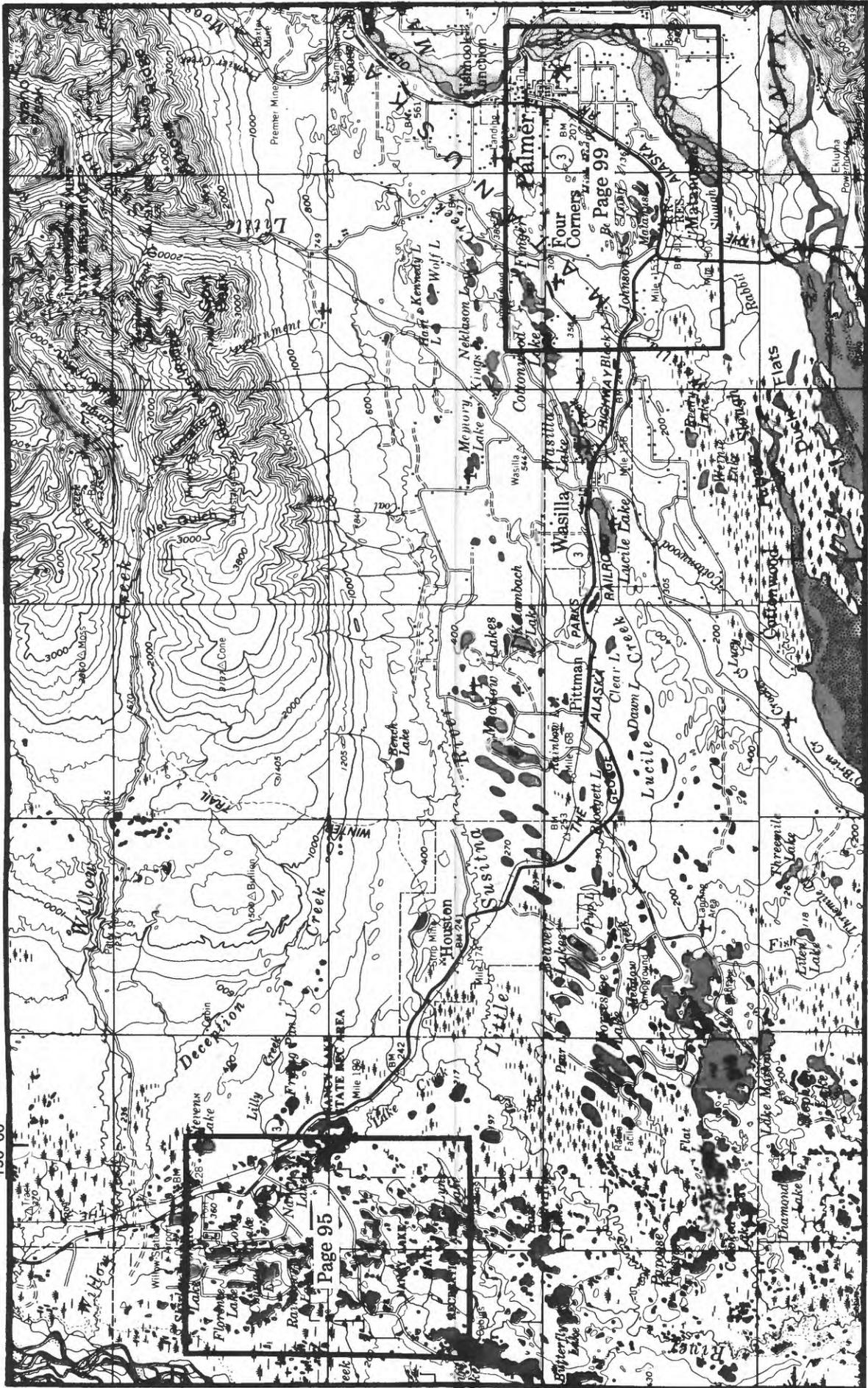
SBO1201120DBDD1 001

WATER LEVEL, IN FT BELOW LSD



149°30'

150°00'



61°045'

94

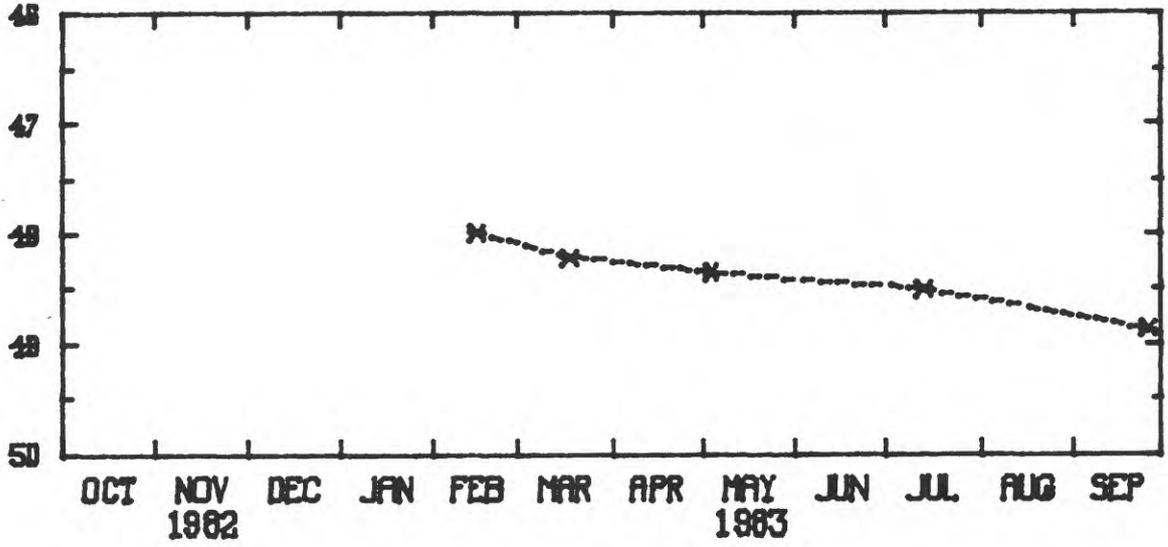
61°030'

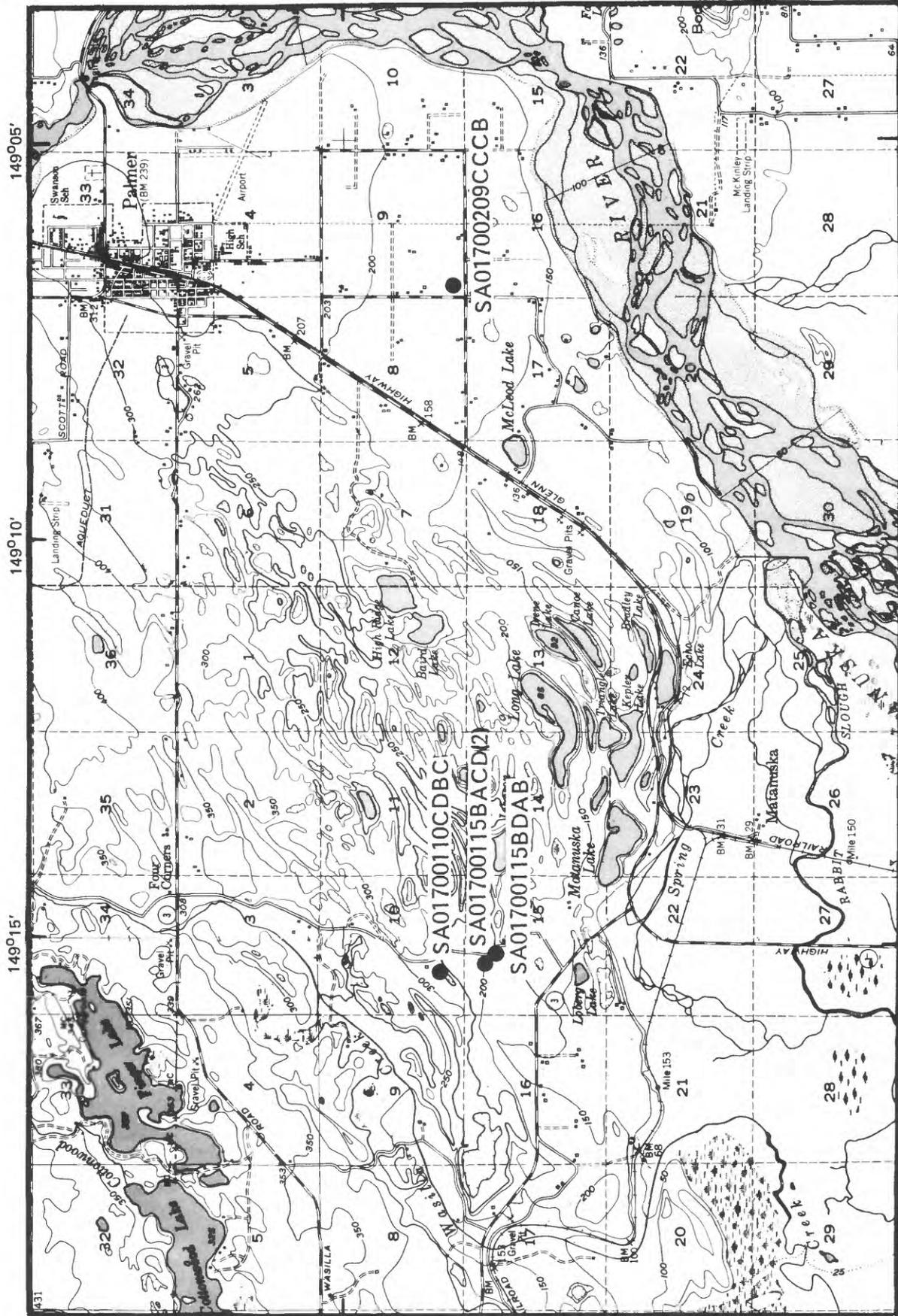
Willow - Wasilla - Palmer area.

614147150013801. Local number, SB01900432ADBD1 001.
LOCATION.--Lat 61°41'47", long 150°01'38", Hydrologic unit 19050002,
northwest corner of Nancy Lake Recreation maintenance facility,
3 mi south of Willow.
Owner: State of Alaska.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 69 ft, screened 64
to 69 ft.
INSTRUMENTATION.--Intermittent measurements with chalked steel tape by
U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 260 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--March 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.89 ft
below land-surface datum, Oct. 15, 1980; lowest measured, 50.54 ft
below land-surface datum, Apr. 4, 1979.
REMARKS.--Water is pumped from the well for institutional uses.

SBO1900432F0B01 001

WATER LEVEL, IN FT BELOW LSD





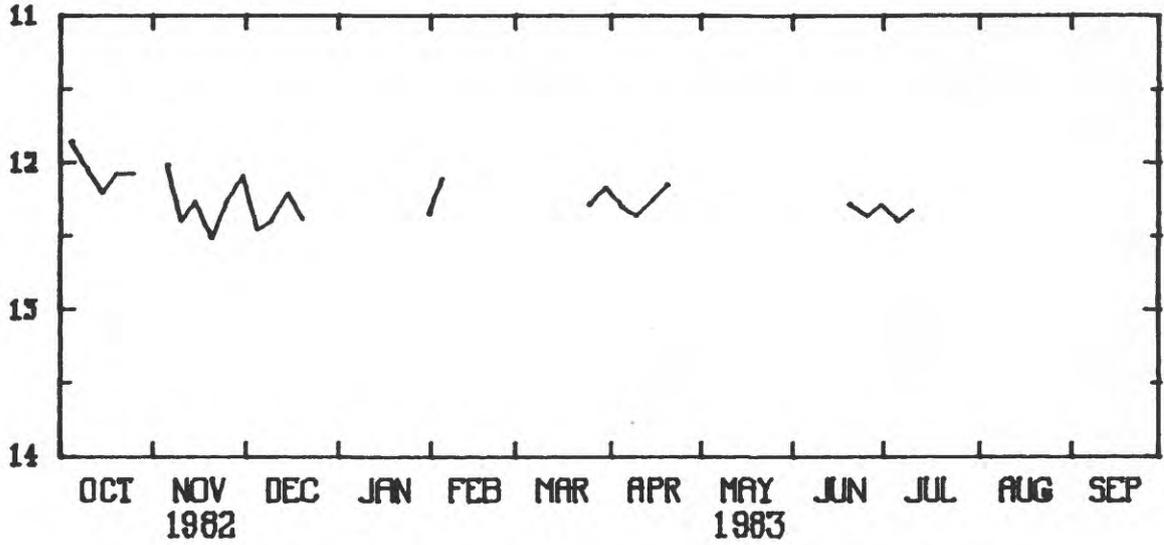
Location of wells on pages 100 - 105.

613406149152103. Local number, SA01700115BACD3 004.
LOCATION.--Lat 61°34'06", long 149°15'21", Hydrologic unit 19050002,
University of Alaska Agricultural Experiment Station, 5 mi
southwest of Palmer.
Owner: U.S. Geological Survey.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 313 ft, cased to 313 ft.
INSTRUMENTATION.--Digital recorder -- 30-minute punch.
DATUM.--Altitude of land surface is 172 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--September 1955 to August 1974, February 1977 to
current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 5.42 ft
below land-surface datum, June 28, 1962; lowest, 31.50 ft
below land-surface datum, Apr. 1, 1964.

613406149152102. Local number, SA01700115BACD2 004.
LOCATION.--Lat 61°34'06", long 149°15'21", Hydrologic unit 19050002,
University of Alaska Agricultural Experiment Station, 5 mi
southwest of Palmer.
Owner: U.S. Geological Survey.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Depth 259 ft, 6 in casing to 49 ft, 4 in
casing from 29 ft to unknown depth, perforated 155.5 to 156.5 ft.
INSTRUMENTATION.--Monthly measurement with chalked steel tape by U.S.
Geological Survey personnel.
DATUM.--Altitude of land surface is 172 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--September 1955 to August 1974, February 1977 to
current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, flowing over
top of casing (3.5 ft above land-surface datum), Aug. 1962 to
Mar. 1964; lowest measured, 2.33 ft below land-surface datum,
July 26, 1979.

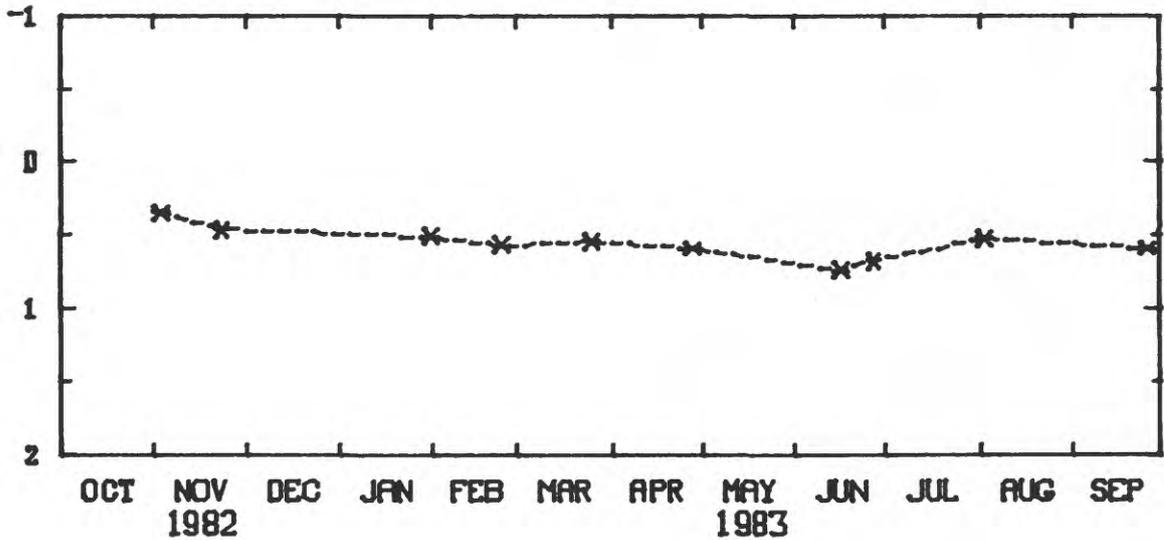
SA01700115BACD3 004

WATER LEVEL, IN FT BELOW LSD



SA01700115BACD2 004

WATER LEVEL, IN FT BELOW LSD



613425149152601. Local number, SA01700110CDBC1 003.

LOCATION.--Lat 61°34'25", long 149°15'26", Hydrologic unit 19050002.

Owner: Larry L. Dearborn.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 6 in, depth 333 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by State of Alaska Division of Geological and Geophysical Surveys personnel.

DATUM.--Altitude of land surface is 290 ft (determined from topographic map).

PERIOD OF RECORD.--1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 123.54 ft below land-surface datum, Mar. 8, 1982; lowest measured, 128.65 ft below land-surface datum, Oct. 23, 1976.

REMARKS.--Water is pumped from the well for domestic uses.

613403149151001. Local number, SA01700115BDAB1 003.

LOCATION.--Lat 61°34'03", long 149°15'10", Hydrologic unit 19050002, University of Alaska Agricultural Experiment Station, 5 mi southwest of Palmer.

Owner: University of Alaska.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Depth 40 ft, diameter unknown.

INSTRUMENTATION.--Monthly measurement with chalked steel tape by U.S. Geological Survey personnel.

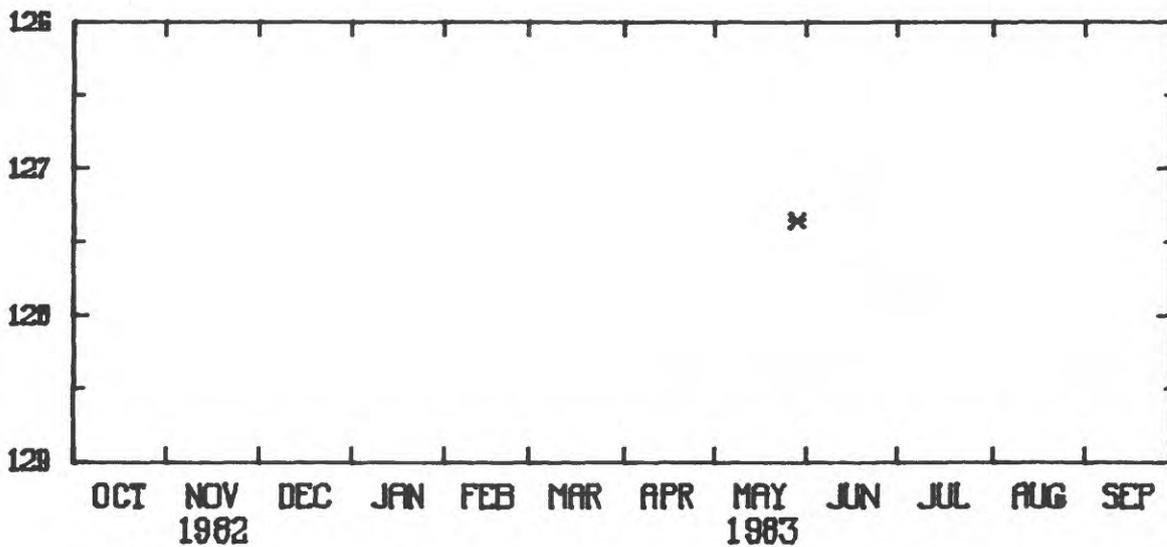
DATUM.--Altitude of land surface is 173 ft (determined from topographic map).

PERIOD OF RECORD.--December 1955 to August 1974, March 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.61 ft below land-surface datum, July 10, 1956; lowest measured, 29.75 ft below land-surface datum, Feb. 5, 1971.

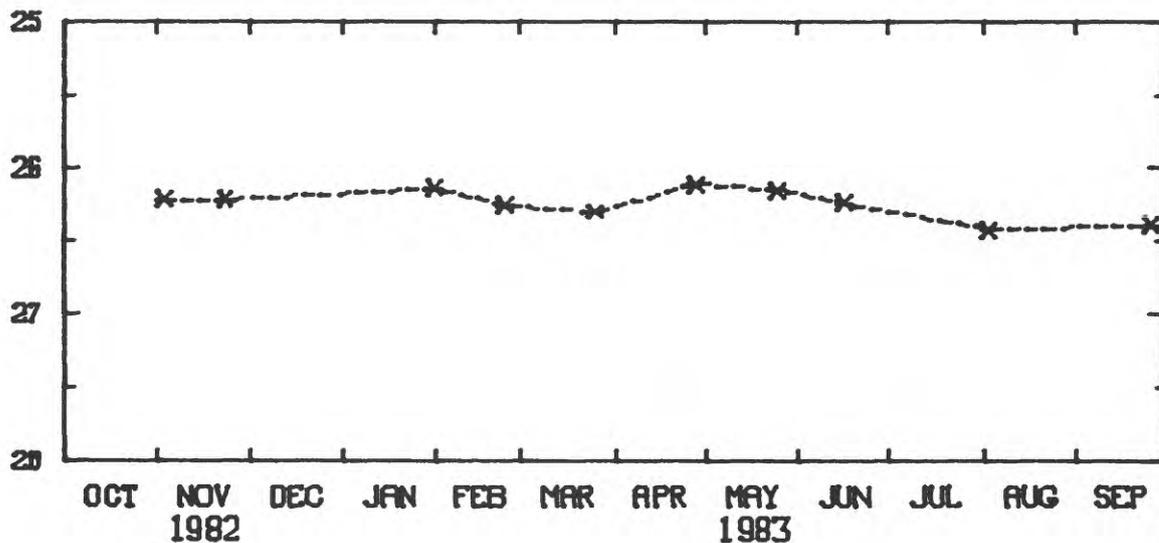
SA017001100DBC1 003

WATER LEVEL, IN FT BELOW LSD



SA017001156DAB1 003

WATER LEVEL, IN FT BELOW LSD



613417149065401. Local number, SA01700209CCCB1 009.

LOCATION.--Lat 61°34'17", long 149°06'54", Hydrologic unit 19050002,
Springer Road, 2 mi south of Palmer.

Owner: Glenn Woods.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 4 in, depth 83 ft, cased to 82 ft,
slotted at bottom.

INSTRUMENTATION.--Monthly measurement with chalked steel tape by U.S.
Geological Survey personnel.

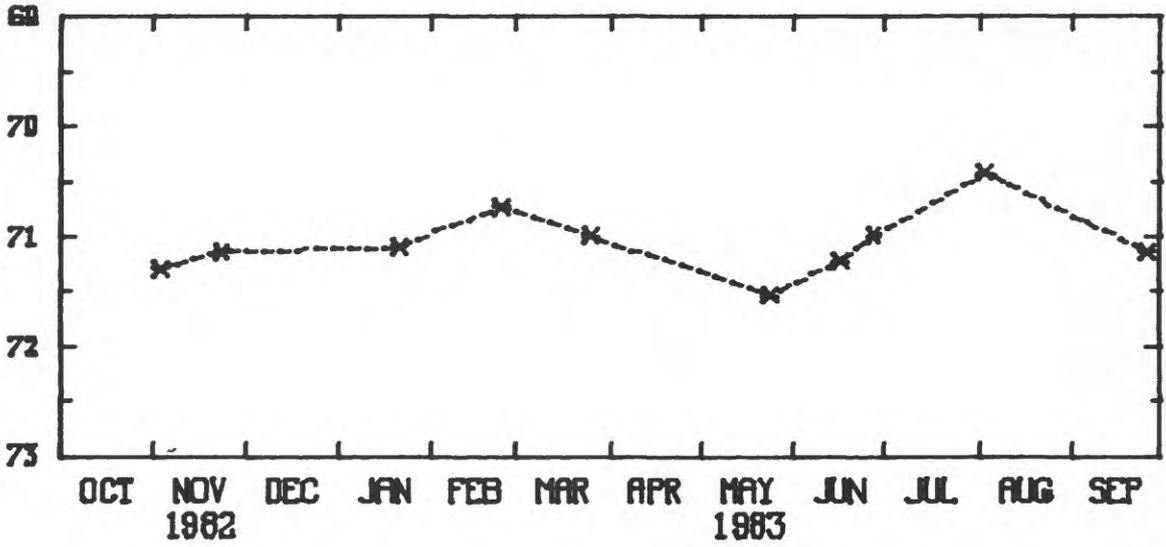
DATUM.--Altitude of land surface is 170 ft (determined from topo-
graphic map).

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.58 ft
below land-surface datum, July 29, 1964; lowest measured, 77.36 ft
below land-surface datum, Mar. 26, 1975.

SA01700209000B1 009

WATER LEVEL, IN FT BELOW LSD

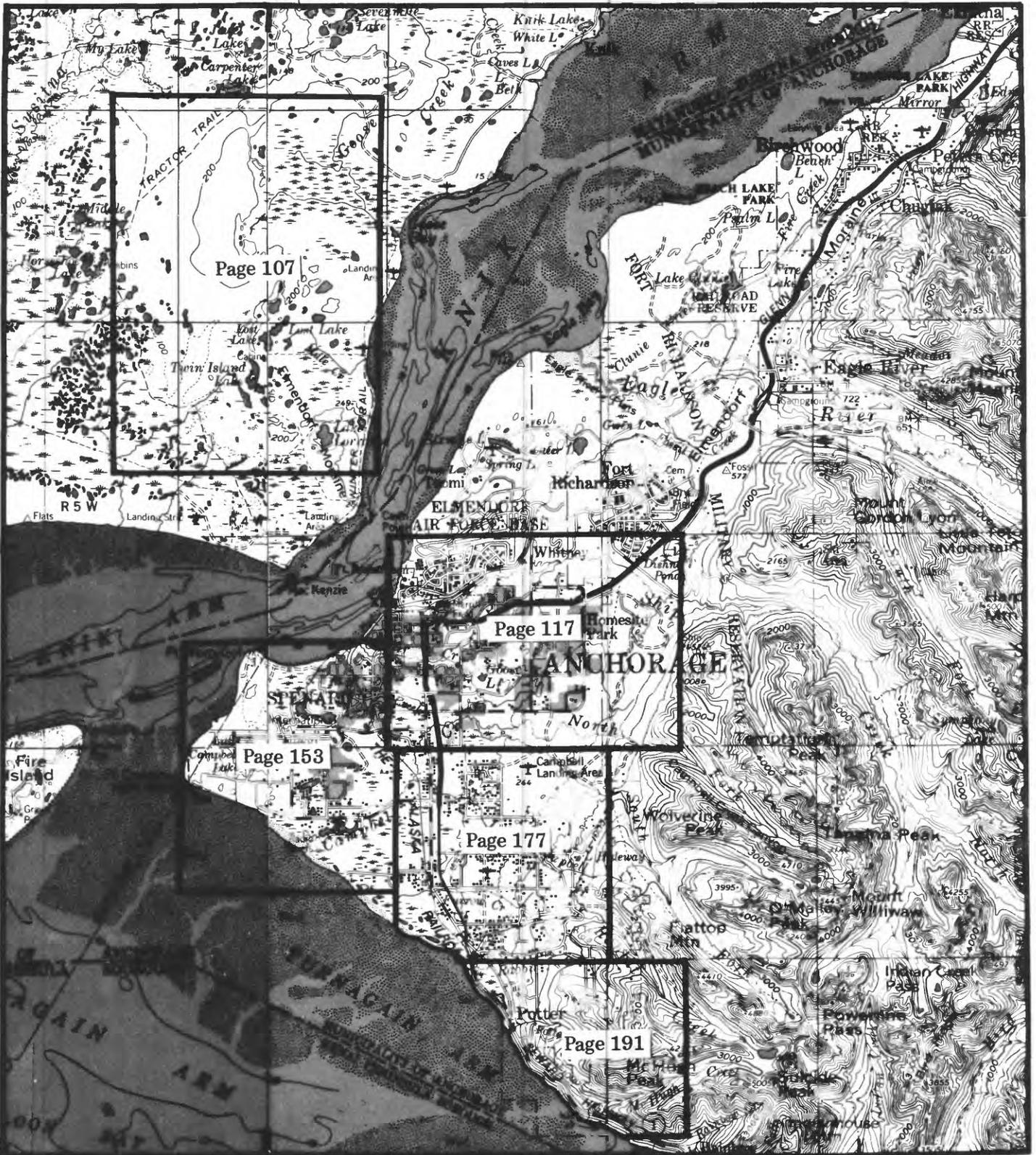


150°00'

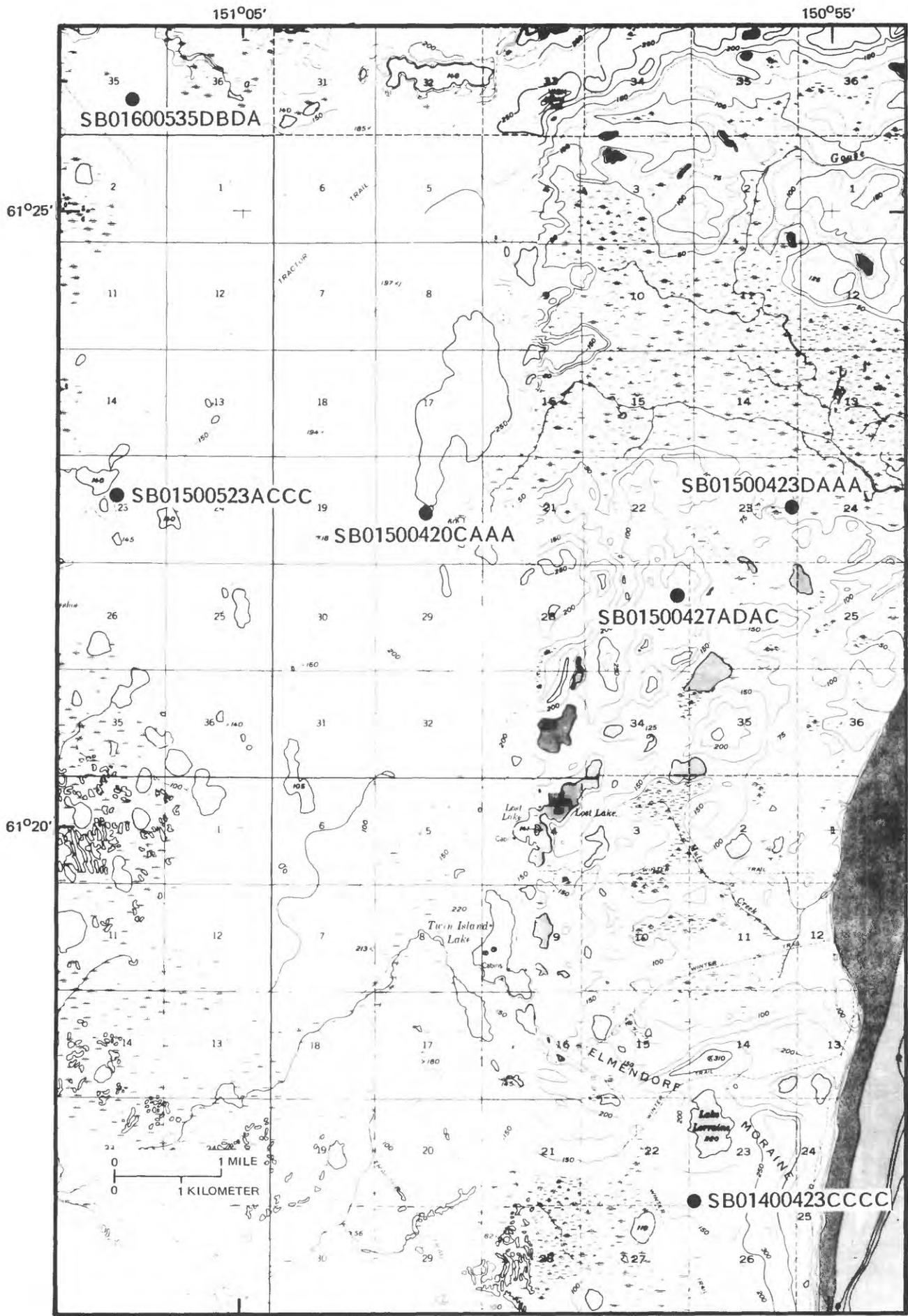
149°30'

61°15'

61°00'



Anchorage - Point MacKenzie area.



Location of wells on pages 108 - 115.

612556150064701. Local number, SB01600535DBDA1 002.

LOCATION.--Lat 61°25'56", long 150°06'47", Hydrologic unit 19050002,
Dairy West, Point MacKenzie agricultural area.

Owner: Karen Lee.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 6 in, depth 50 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by
U.S. Geological Survey personnel.

DATUM.--Altitude of land surface is 120 ft (determined from topo-
graphic map).

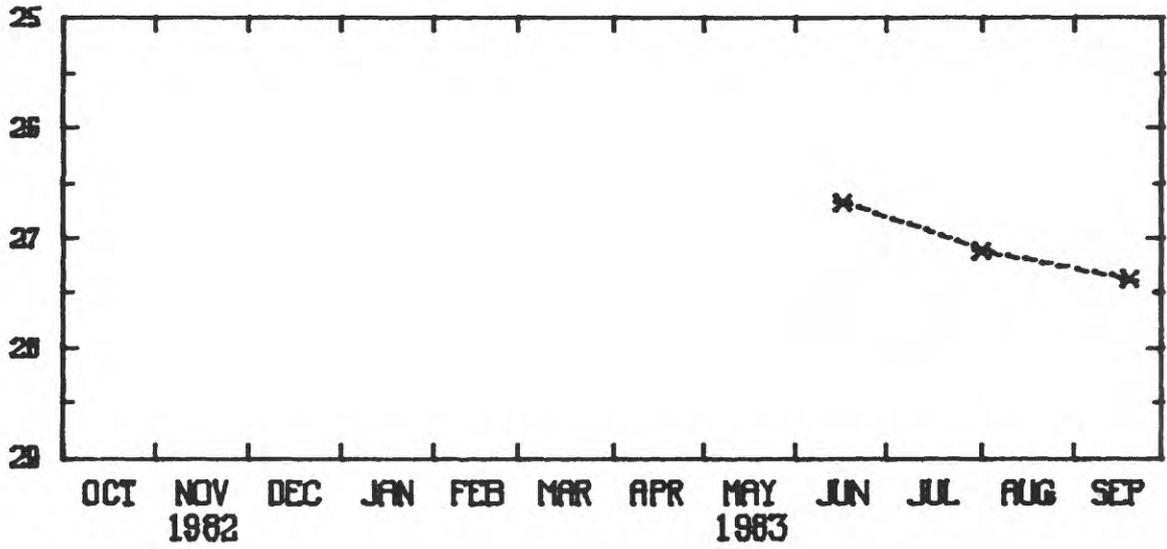
PERIOD OF RECORD.--June 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.67 ft
below land-surface datum, June 16, 1983; lowest measured, 27.38 ft
below land-surface datum, Sep. 19, 1983.

REMARKS.--Water is pumped from the well for domestic uses.

SB0160053508DA1 002

WATER LEVEL, IN FT BELOW LSD

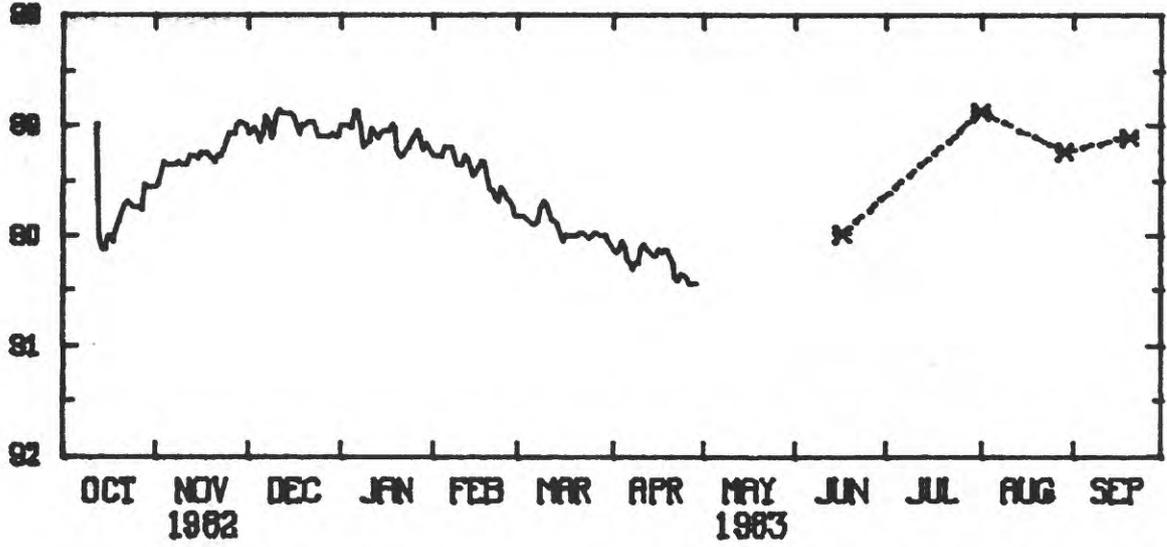


612231150015501. Local number, SB01500420CAAA1 001.
LOCATION.--Lat 61°22'31", long 150°01'55", Hydrologic unit 19050002,
Point MacKenzie agricultural area, Holstein Avenue.
Owner: U.S. Geological Survey.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 318 ft.
INSTRUMENTATION.--Digital recorder.
DATUM.--Altitude of land surface is 185 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--Oct. 1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 88.87 ft below
land-surface datum, Aug. 1, 1983; lowest, 90.44 ft below land-
surface datum, Apr. 28, 1983.

612235150070801. Local number, SB01500523ACCC1 001.
LOCATION.--Lat 61°22'35", long 150°07'08", Hydrologic unit 19050002,
Point MacKenzie agricultural area, Holstein Avenue.
Owner: U.S. Geological Survey.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 231 ft.
INSTRUMENTATION.--Intermittent measurements with chalked steel tape by
U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 140 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--Aug. 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.32 ft
below land-surface datum, Sep. 7, 1983; lowest measured, 11.40 ft
below land-surface datum, Sep. 19, 1983.

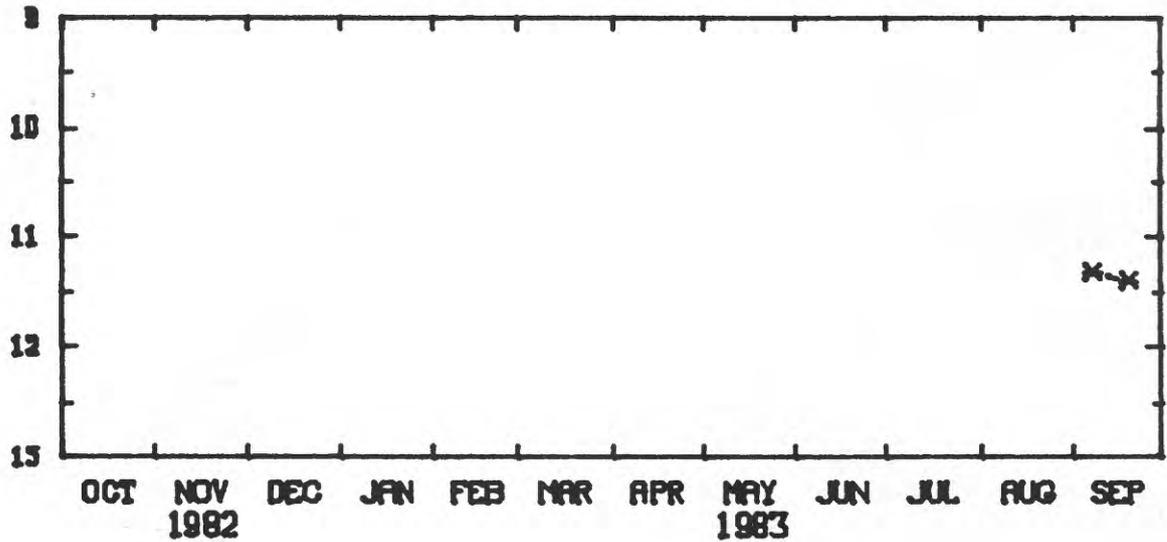
SBO1500420CRAA1 001

WATER LEVEL, IN FT BELOW LSD



SBO1500523ACCC1 001

WATER LEVEL, IN FT BELOW LSD

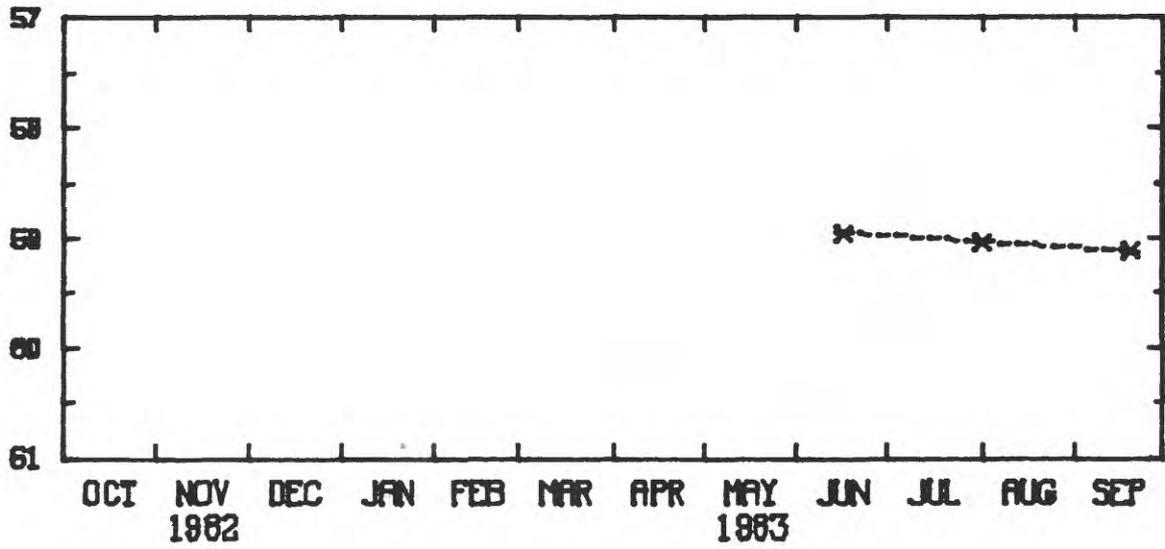


612232149553201. Local number, SB01500423DAAA1 001.
LOCATION.--Lat 61°22'33", long 149°55'38", Hydrologic unit 19050002,
10 mi north northwest of Point MacKenzie.
Owner: John Faeo.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 73 ft.
INSTRUMENTATION.--Intermittent measurements with chalked steel tape by
U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 65 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--June 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 58.95 ft
below land-surface datum, June 16, 1983; lowest measured, 59.12 ft
below land-surface datum, Sep. 19, 1983.
REMARKS.--Water is pumped from the well for domestic uses.

612148149572602. Local number, SB01500427ADAC2 001.
LOCATION.--Lat 61°21'52", long 149°57'35", Hydrologic unit 19050002,
9 mi north of Point MacKenzie.
Owner: Greg Bell.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, hole depth 400 ft, cased to
361 ft.
INSTRUMENTATION.--Intermittent measurements with chalked steel tape by
U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 200 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--June 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured,
141.21 ft below land-surface datum, Sep. 19, 1983; lowest
measured, 144.33 ft below land-surface datum, Aug. 1, 1983.
REMARKS.--From July 1982 to September 1983 the station number was
612148149572601, the local number was SB01500427ADAC1 001,
and the well depth was 363.5 ft.

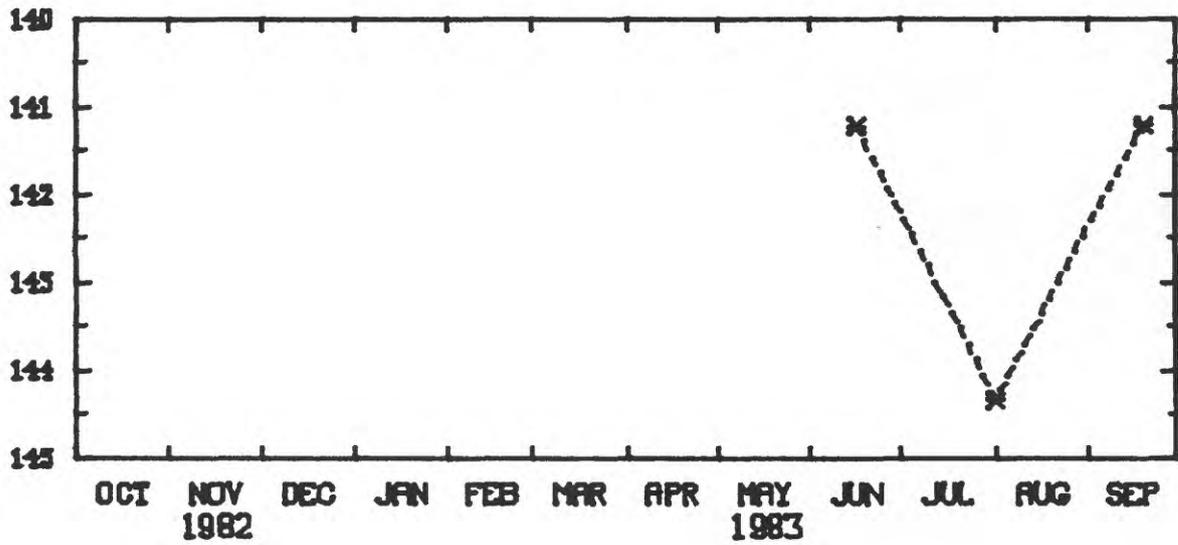
SBO1500423DRAA1 001

WATER LEVEL, IN FT BELOW LSD



SBO1500427ADAC2 001

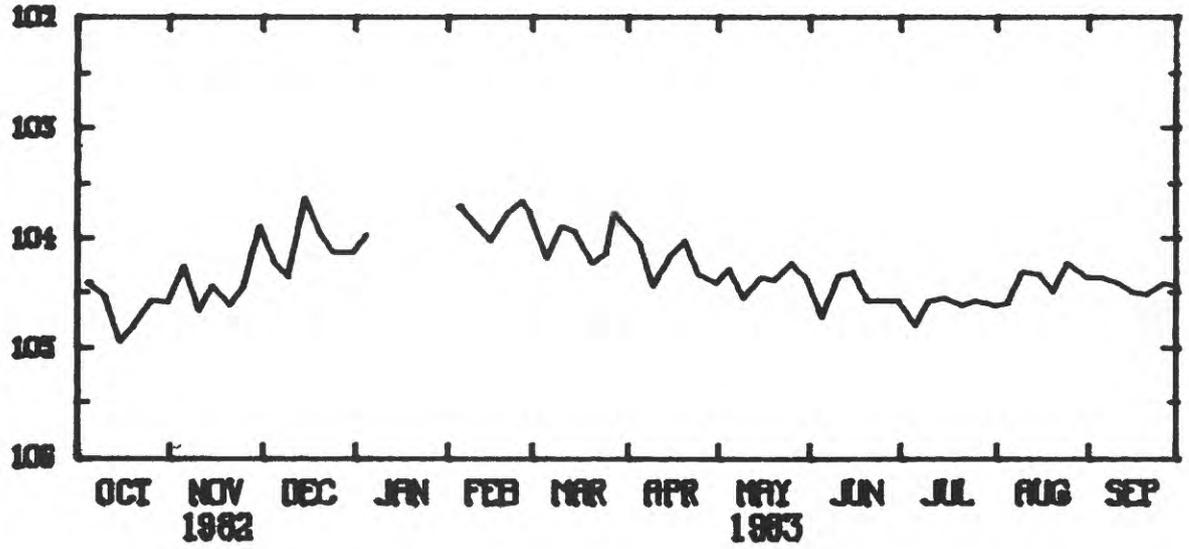
WATER LEVEL, IN FT BELOW LSD

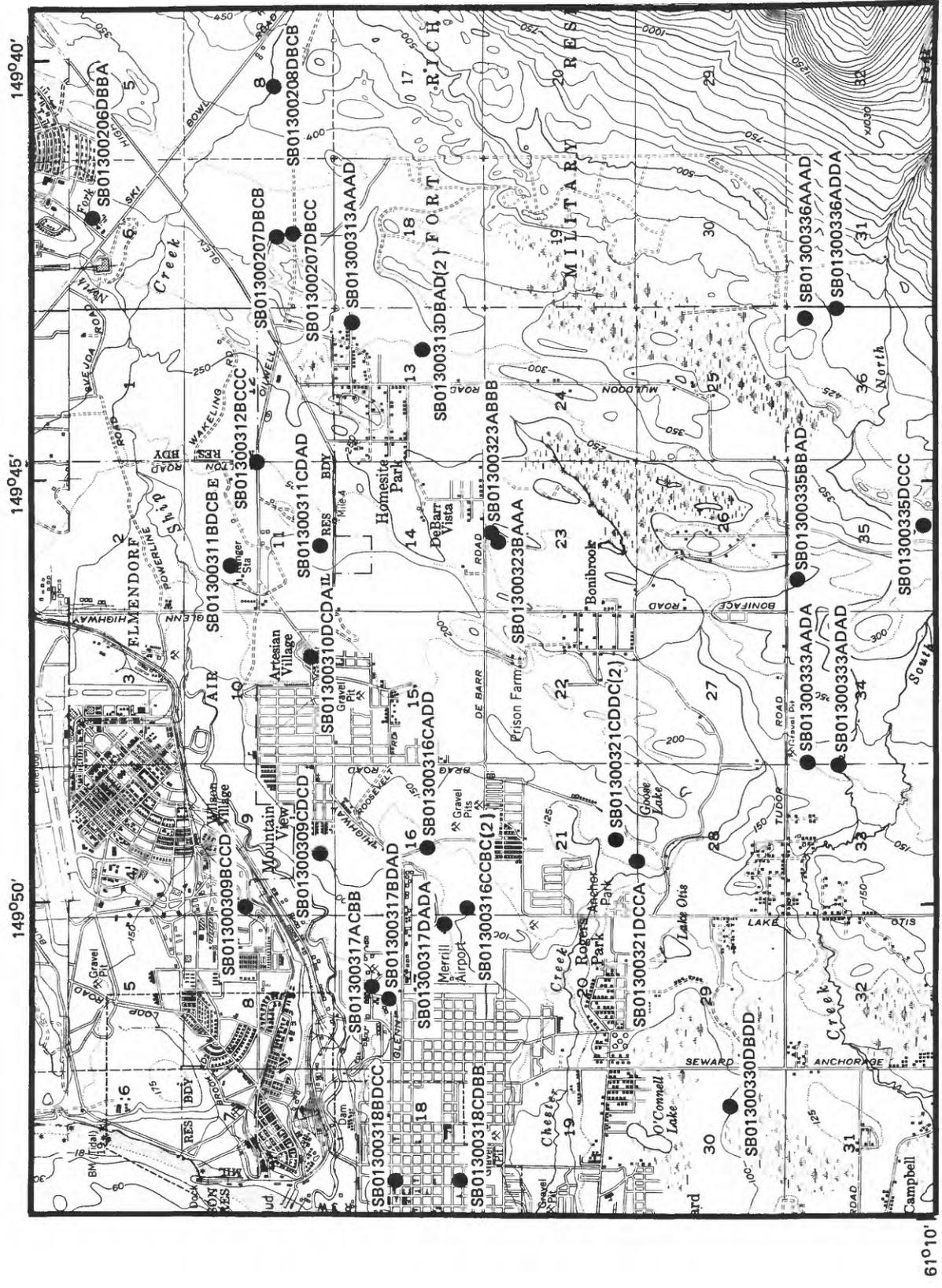


611659149572001. Local number, SB01400423CCCC1 001.
LOCATION.--Lat 61°16'59", long 149°57'20", Hydrologic unit 19050002,
3.5 mi. northeast of Point MacKenzie.
Owner: Mat-Su Borough.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 398 ft, screened 379
to 398 ft.
INSTRUMENTATION.--Continuous strip-chart recorder.
DATUM.--Altitude of land surface is 127 ft (determined from levels
survey).
PERIOD OF RECORD.--September 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 103.60 ft
below land-surface datum, Nov. 11, 1981; lowest, 105.55 ft
below land-surface datum, July 28, 1982.
REMARKS.--Tide-effect on water levels is about 0.5 ft.

SB0140042300001 001

WATER LEVEL, IN FT BELOW L.S.D





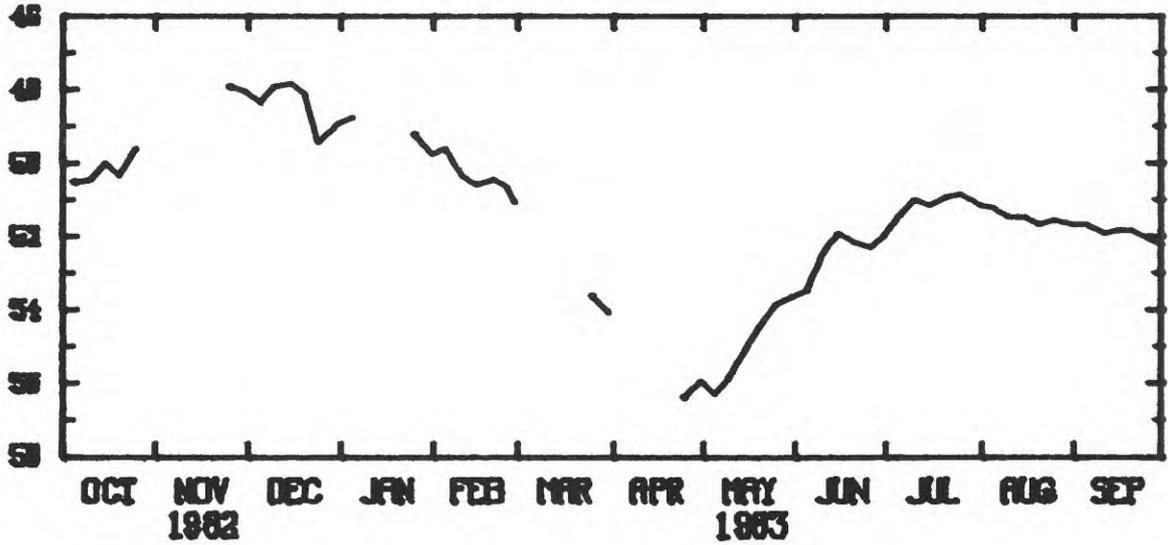
Location of wells on pages 118 - 151.

611444149415401. Local number, SB01300206DBBA1 004.
LOCATION.--Lat 61°14'41", Long 149°41'54", Hydrologic unit 19050002,
Arctic Valley Road, Fort Richardson.
Owner: U.S. Geological Survey.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 670 ft, cased to 134 ft,
backfilled with gravel to 134 ft and plugged, perforated 90 to
120 ft and 130 to 134 ft.
INSTRUMENTATION.--Digital recorder -- 30-minute punch.
DATUM.--Altitude of land surface is 294 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--August 1954 to June 1962, September 1966 to
current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 42.15 ft
below land-surface datum, Oct. 28, 1960; lowest, 66.49 ft
below land-surface datum, May 15, 1971.
REMARKS.--Water levels are affected by pumping of nearby wells.

611347149401601. Local number, SB01300208DBCB2 006.
LOCATION.--Lat 61°13'47", long 149°40'16", Hydrologic unit 19050002,
near Ship Creek at Fort Richardson.
Owner: U.S. Geological Survey.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 190 ft, perforated 110
to 116 ft.
INSTRUMENTATION.--Continuous strip-chart recorder.
DATUM.--Altitude of land surface is 370 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 50.46 ft below
land-surface datum, Sep. 20, 1975; lowest, 79.55 ft below land-
surface datum, Apr. 15, 1979.
REMARKS.--Water levels were affected by ground-water recharge
operations from 1973 through 1975.

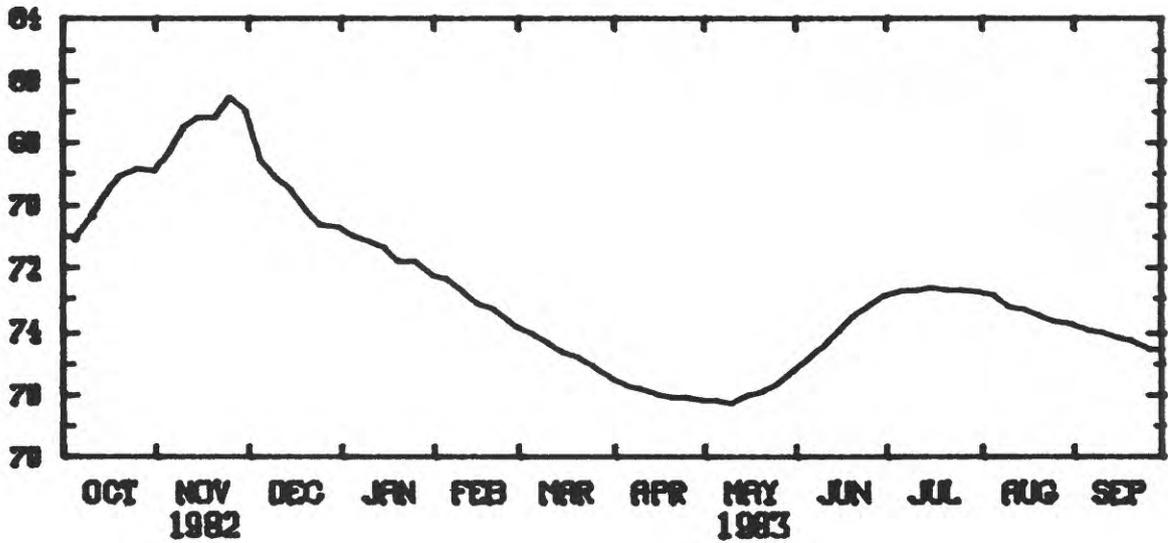
SBD1300206088A1 004

WATER LEVEL, IN FT BELOW LSD



SBD130020808CB2 006

WATER LEVEL, IN FT BELOW LSD

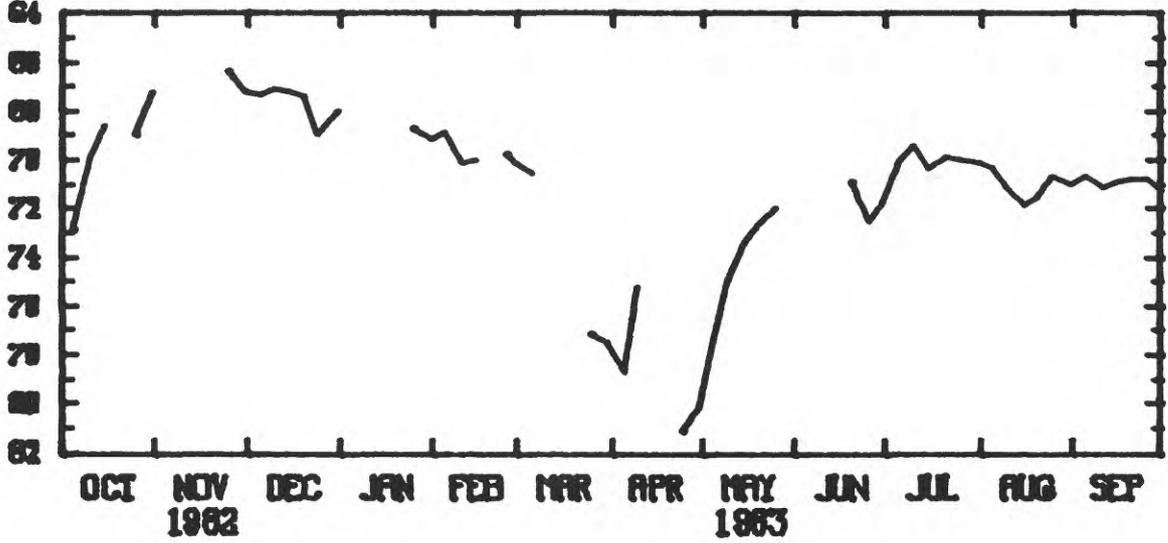


611345149420201. Local number, SB01300207DBCBI 003.
LOCATION.--Lat 61°13'45", long 149°42'02", Hydrologic unit 19050002,
Oilwell Road, near water-treatment plant, Anchorage.
Owner: U.S. Geological Survey.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 128.5 ft, screened 109
to 124 ft.
INSTRUMENTATION.--Continuous strip-chart recorder.
DATUM.--Altitude of land surface is 309 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1969 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 66.37 ft below
land-surface datum, Nov. 26, 1982; lowest, 89.77 ft below land-
surface datum, June 15, 1971.
REMARKS.--Water levels are affected by pumping of nearby wells.

611344149420501. Local number, SB01300207DBCC1 005.
LOCATION.--Lat 61°13'44", long 149°42'05", Hydrologic unit 19050002,
near Oilwell Road, Anchorage.
Owner: U.S. Geological Survey.
AQUIFER.--Gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 2 in, depth 43 ft, screened 40 to
43 ft.
INSTRUMENTATION.--Monthly measurement with chalked steel tape by U.S.
Geological Survey personnel.
DATUM.--Altitude of land surface is 307.2 ft (determined from levels
survey).
PERIOD OF RECORD.--September 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.26 ft
below land-surface datum, Sep. 19, 1975; lowest measured, 37.76 ft
below land-surface datum, May 17, 1971.
REMARKS.--Water levels were affected by ground-water recharge
operations from 1973 through 1975.

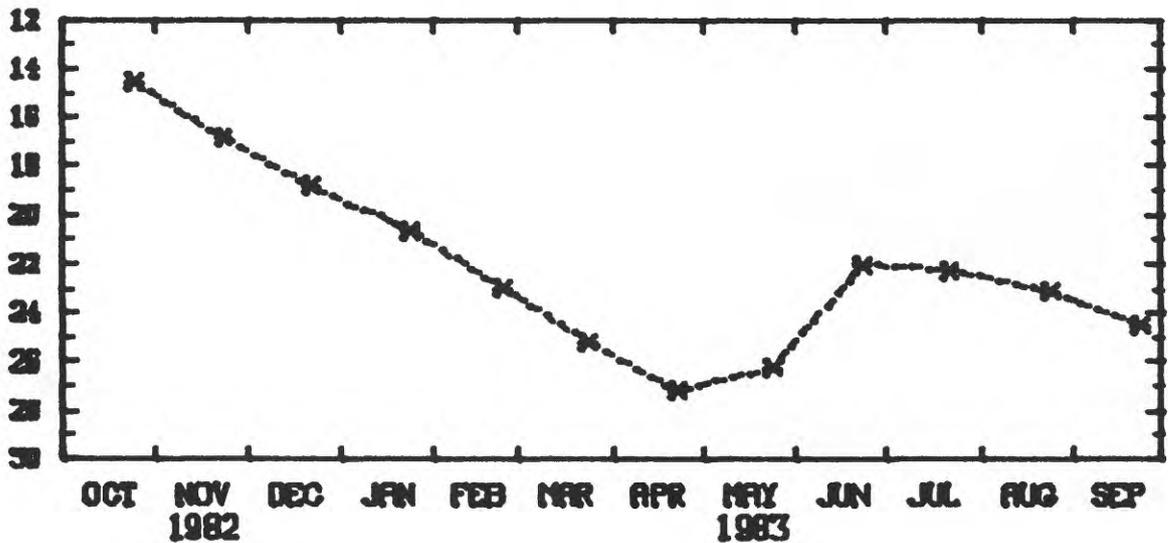
SB0130020708081 003

WATER LEVEL, IN FT BELOW LSD



SB0130020708081 005

WATER LEVEL, IN FT BELOW LSD

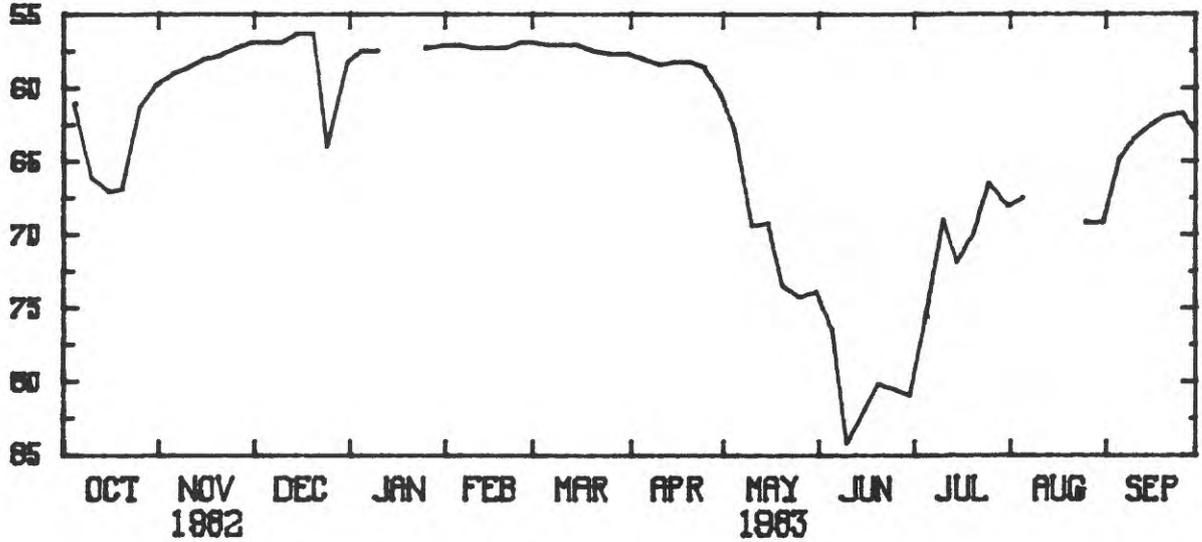


611355149500201. Local number, SB01300309BCCD1 006.
LOCATION.--Lat 61°13'55", long 149°50'02", Hydrologic unit 19050002,
near west power plant, Elmendorf AFB, Anchorage.
Owner: U.S. Geological Survey.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 336 ft, open end.
INSTRUMENTATION.--Continuous strip-chart recorder.
DATUM.--Altitude of land surface is 144 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1953, 1964, 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 40.21 ft below
land-surface datum, May 26, 1953; lowest, 96.32 ft below land-
surface datum, June 16, 1975.
REMARKS.--Water levels are affected by pumping of nearby wells.

611331149493001. Local number, SB01300309CDCD2 001.
LOCATION.--Lat 61°13'31", long 149°49'30", Hydrologic unit 19050002,
near Municipality of Anchorage's public-water supply well
number 4, Commercial Drive, Anchorage.
Owner: Municipality of Anchorage.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 370 ft, perforated 270
to 293 ft and 295 to 320 ft.
INSTRUMENTATION.--Semi-annual measurement with chalked steel tape by
U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 142 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1956 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.22 ft
below land-surface datum, Nov. 26, 1957; lowest measured, 133.82 ft
below land-surface datum, Apr. 25, 1972.
REMARKS.--Water levels are affected by pumping of nearby wells.

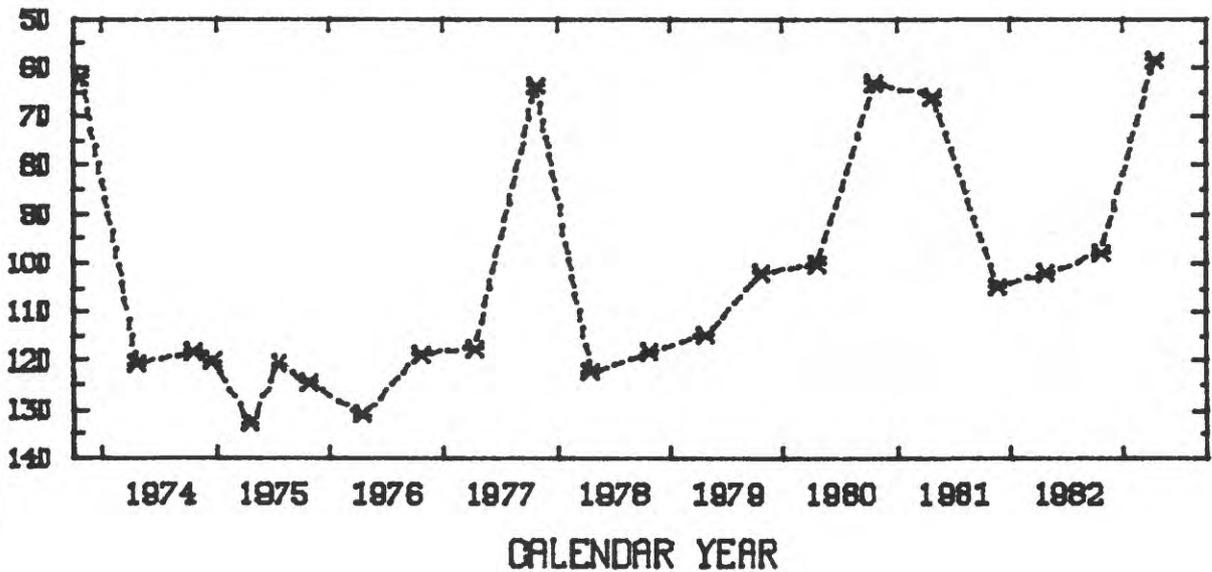
SB01300309BC001 006

WATER LEVEL, IN FT BELOW LSD



SB01300309CDC02 001

WATER LEVEL, IN FT BELOW LSD

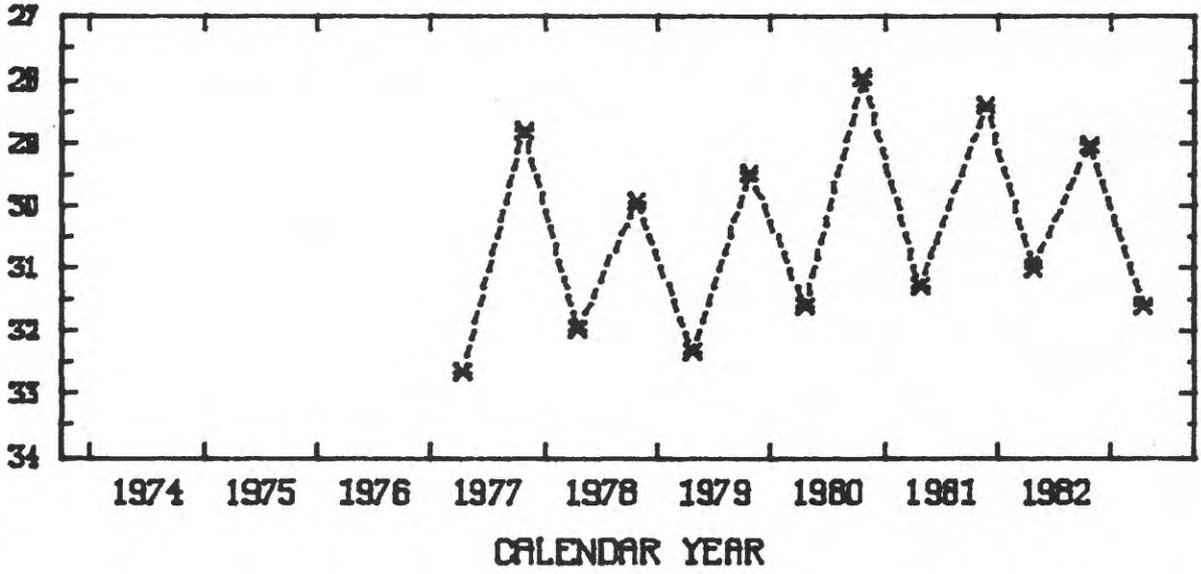


611400149460501. Local number, SB01300311BDCB2 001.
LOCATION.--Lat 61°14'00", long 149°46'05", Hydrologic unit 19050002,
Oilwell Road, Anchorage.
Owner: U.S. Geological Survey.
AQUIFER.--Sand of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 2 in, depth 52 ft, perforated 49 to
52 ft.
INSTRUMENTATION.--Semi-annual measurement with chalked steel tape by
U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 197 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1969 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.95 ft
below land-surface datum, Oct. 22, 1980; lowest measured, 37.72 ft
below land-surface datum, Apr. 22, 1971.

611357149444401. Local number, SB01300312BCCC1 001.
LOCATION.--Lat 61°13'57", long 149°44'44", Hydrologic unit 19050002,
near Oilwell and Walton Roads, Fort Richardson, Anchorage.
Owner: U.S. Army, Fort Richardson.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 145 ft, perforated 145
to 146 ft.
INSTRUMENTATION.--Semi-annual measurement with chalked steel tape by
U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 224 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1956 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.69 ft
below land-surface datum, Oct. 28, 1960; lowest measured, 35.45 ft
below land-surface datum, Mar. 25, 1971.

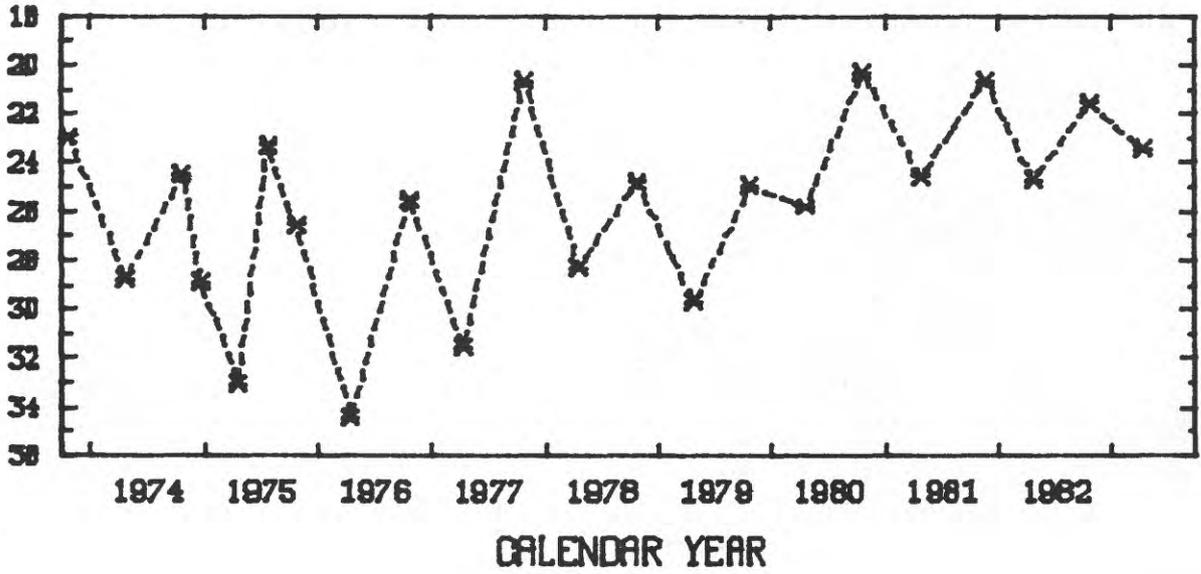
SB01300311B0082 001

WATER LEVEL, IN FT BELOW LSD



SB01300312B0001 001

WATER LEVEL, IN FT BELOW LSD

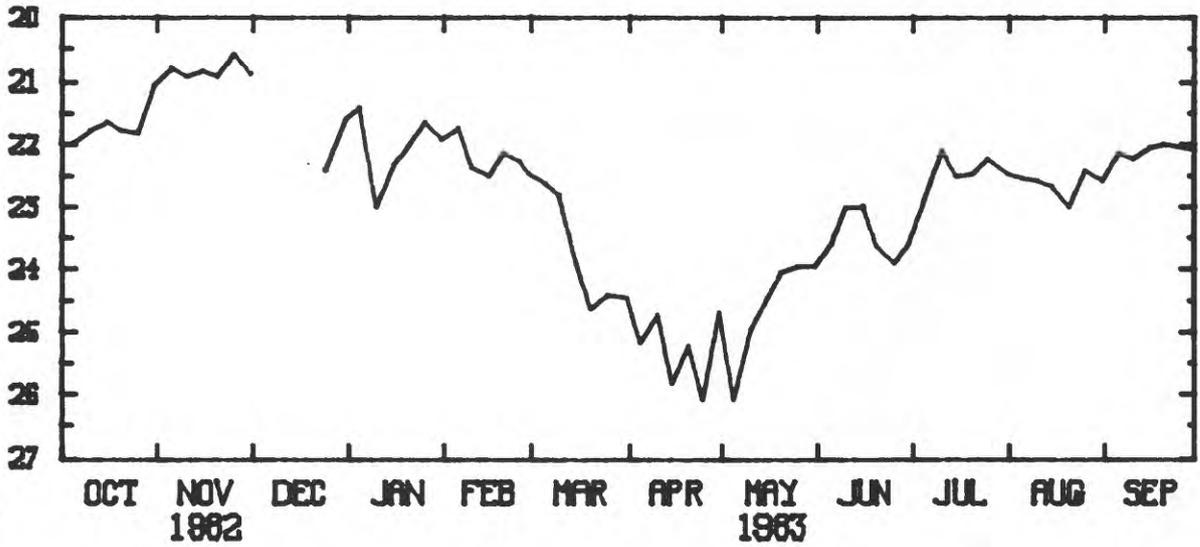


611336149454401. Local number, SB01300311CDAD1 003.
LOCATION.--Lat 61°13'36", long 149°45'44", Hydrologic unit 19050002,
near Glenn Highway and Boniface Parkway, Anchorage.
Owner: U.S. Air Force.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 187 ft, cased to 187 ft.
INSTRUMENTATION.--Monthly measurement with chalked steel tape by U.S.
Geological Survey personnel.
DATUM.--Altitude of land surface is 210 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--September 1959 to October 1962, September 1966 to
current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.88 ft
below land-surface datum, Oct. 28, 1960; lowest measured, 34.77 ft
below land-surface datum, May 14 and 18, 1971.
REMARKS.--Water levels are affected by pumping of wells in the
Anchorage area.

611335149470401. Local number, SB01300310DCDA1 002.
LOCATION.--Lat 61°13'35", long 149°47'04", Hydrologic unit 19050002,
near Mountain View Drive between McCarrey Street and Boniface
Parkway, Elmendorf Air Force Base, Anchorage.
Owner: U.S. Air Force, Elmendorf.
AQUIFER.--Unknown deposits of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 159.5 ft.
INSTRUMENTATION.--Semi-annual measurement with chalked steel tape by
U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 180 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1961 to 1970, 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, flowing over
top of casing (1.6 ft above land-surface datum), Oct. 3, 1961
and Sep. 26, 1962; lowest measured, 14.39 ft below land-surface
datum, Apr. 1, 1964.

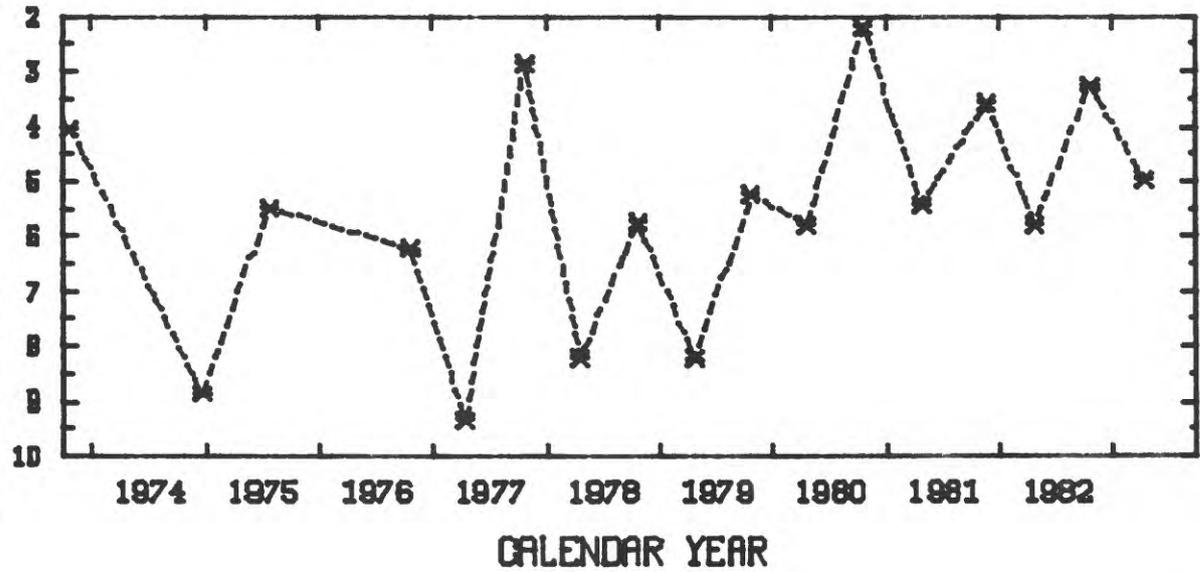
SB01300311CDA01 003

WATER LEVEL, IN FT BELOW LSD



SB01300310DCDA1 002

WATER LEVEL, IN FT BELOW LSD



611323149430103. Local number, SB01300313AAAD3 044.

LOCATION.--Lat 61°13'23", long 149°43'01", Hydrologic unit 19050002,
near Peck Avenue and North Eklutna Street, Anchorage.

Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 2 in, depth 30 ft, perforated 27 to
30 ft.

INSTRUMENTATION.--Monthly measurement with chalked steel tape by U.S.
Geological Survey personnel.

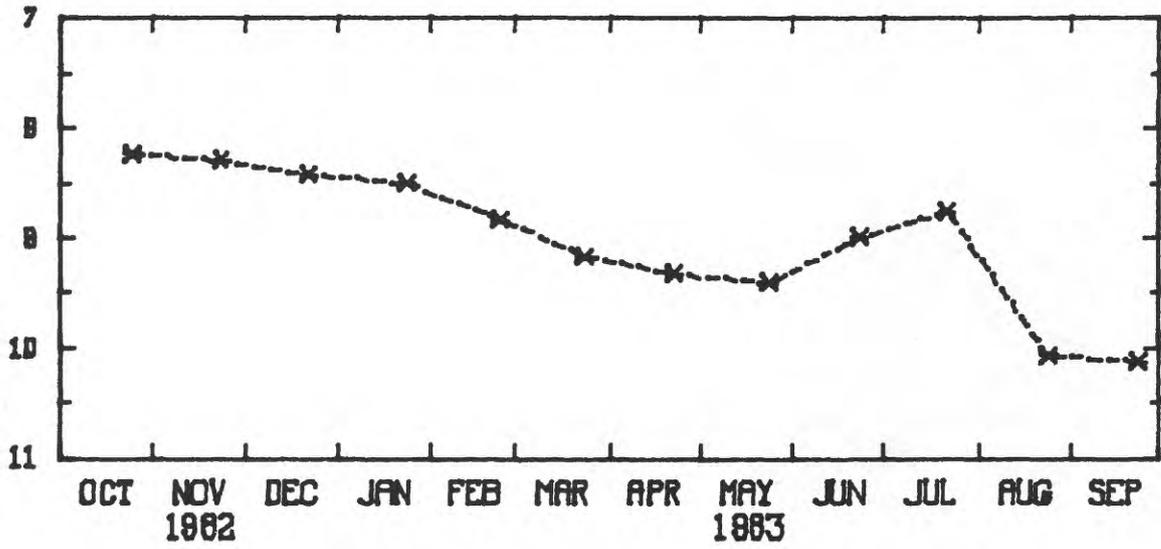
DATUM.--Altitude of land surface is 272 ft (determined from topo-
graphic map).

PERIOD OF RECORD.--March 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.98 ft
below land-surface datum, Oct. 28, 1980; lowest measured, 10.13 ft
below land-surface datum, Sep. 23, 1983.

SB01300313AAP03 044

WATER LEVEL, IN FT BELOW LSD

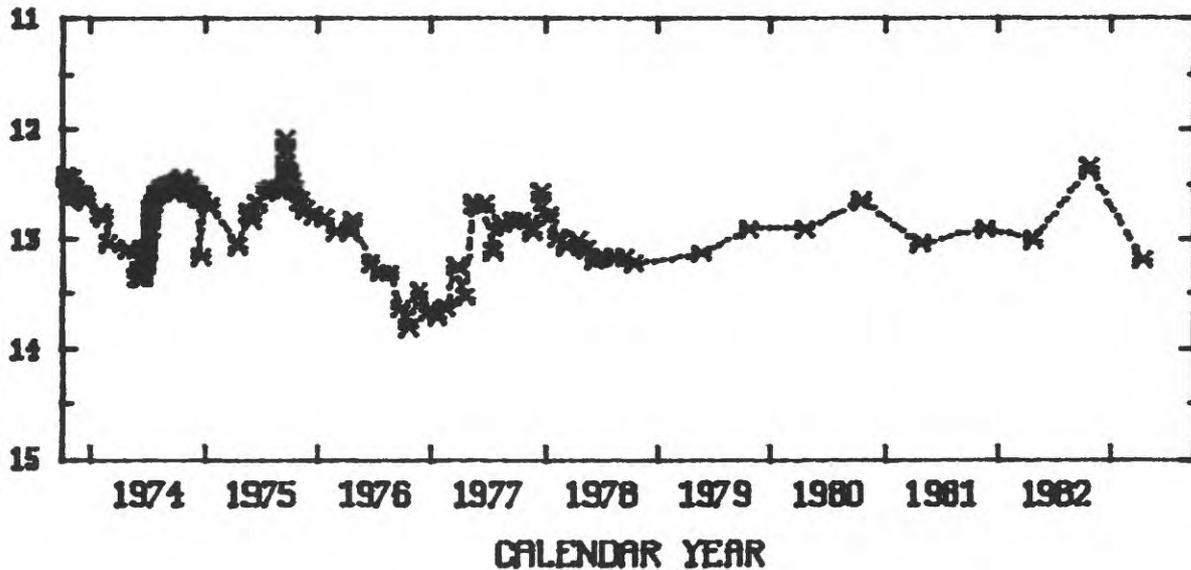


611259149432901. Local number, SB01300313DBAD1 045.
LOCATION.--Lat 61°12'59", long 149°43'29", Hydrologic unit 19050002,
near Rangeview Trailer Court, near East 6th Avenue and North
Valley Road, Anchorage.
Owner: U.S. Geological Survey.
AQUIFER.--Gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 2 in, depth 30 ft, perforated 27 to
30 ft.
INSTRUMENTATION.--Semi-annual measurement with chalked steel tape by
U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 260 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1969 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.09 ft
below land-surface datum, Sep. 19, 1975; lowest measured, 15.41 ft
below land-surface datum, June 25, 1971.
REMARKS.--Well responds sluggishly to water level changes.

611259149432902. Local number, SB01300313DBAD2 045.
LOCATION.--Lat 61°12'59", long 149°43'29", Hydrologic unit 19050002,
near Rangeview Trailer Court, near East 6th Avenue and Valley
Street, Anchorage.
Owner: U.S. Geological Survey.
AQUIFER.--Silty gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 2 in, depth 31 ft, perforated 28 to
31 ft.
INSTRUMENTATION.--Semi-annual measurement with chalked steel tape by
U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 260 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.29 ft
below land-surface datum, Jan. 19, 1978; lowest measured, 13.36 ft
below land-surface datum, Nov. 23, 1976.

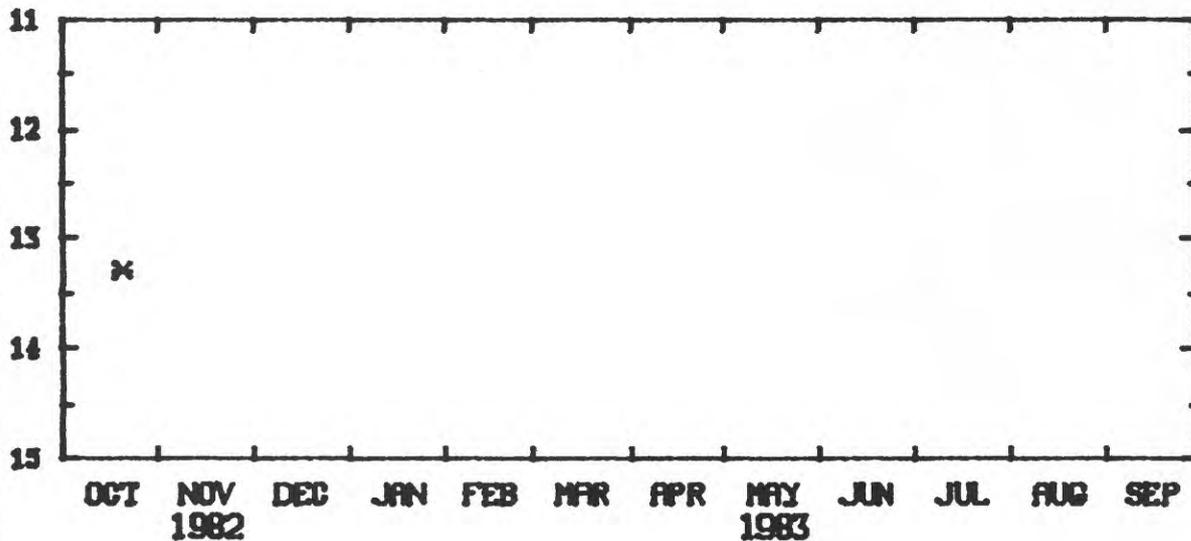
SB01300313DBAD1 045

WATER LEVEL, IN FT BELOW LSD



SB01300313DBAD2 045

WATER LEVEL, IN FT BELOW LSD

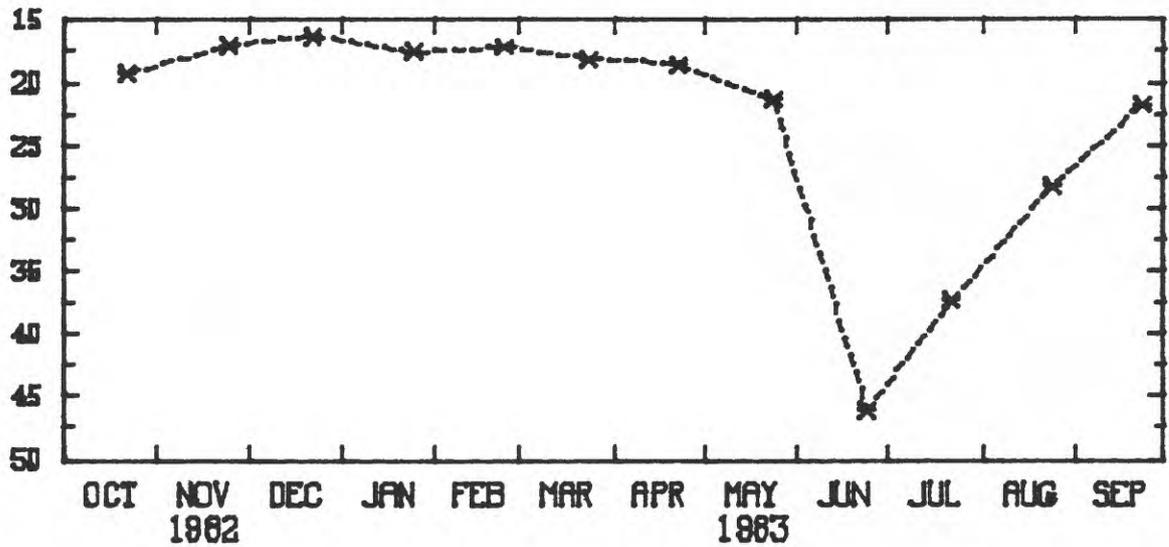


611243149500701. Local number, SB01300316CCBC1 006.
LOCATION.--Lat 61°12'43", long 149°50'07", Hydrologic unit 19050002,
Merrill Field Landfill, Anchorage.
Owner: Municipality of Anchorage.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 95 ft.
INSTRUMENTATION.--Monthly measurement with chalked steel tape by U.S.
Geological Survey personnel.
DATUM.--Altitude of land surface is 101 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1974 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.79 ft
below land-surface datum, Nov. 21, 1980; lowest measured, 61.89 ft
below land-surface datum, Apr. 28-29, 1976.

611243149500703. Local number, SB01300316CCBC3 006.
LOCATION.--Lat 61°12'43", long 149°50'07", Hydrologic unit 19050002,
Merrill Field Landfill, Anchorage.
Owner: Municipality of Anchorage.
AQUIFER.--Sand of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 17 ft, screened 13 to
17 ft.
INSTRUMENTATION.--Monthly measurement with chalked steel tape by U.S.
Geological Survey personnel.
DATUM.--Altitude of land surface is 102 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1974 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.76 ft
below land-surface datum, May 3-4, 1975; lowest measured, 10.27 ft
below land-surface datum, Oct. 22, 1980.

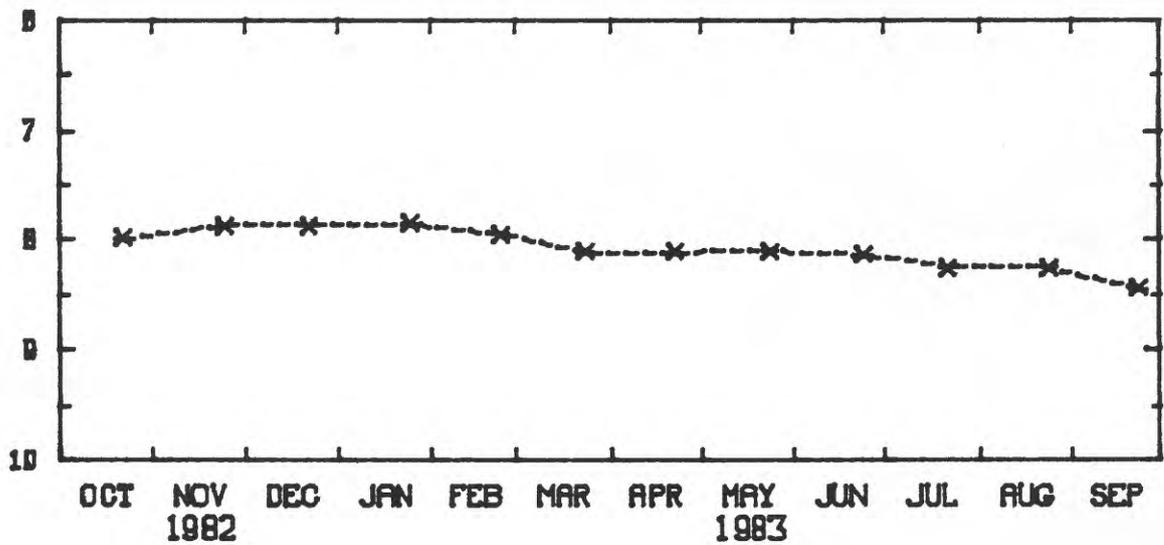
WATER LEVEL, IN FT BELOW LSD

SB01300316CCBC1 006



WATER LEVEL, IN FT BELOW LSD

SB01300316CCBC3 006

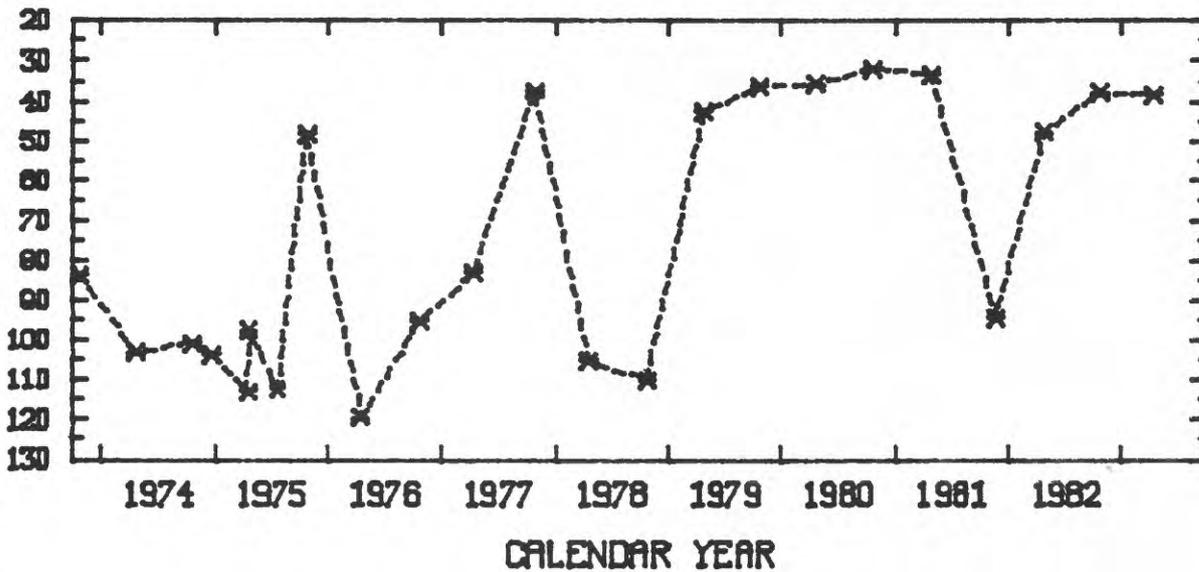


611252149491801. Local number, SB01300316CADD1 001.
LOCATION.--Lat 61°12'52", long 149°49'18", Hydrologic unit 19050002,
Municipality of Anchorage public-supply well number 1, near
Merrill Field Drive and Airport Heights Road, Anchorage.
Owner: Municipality of Anchorage.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 8 in, depth 470 ft, perforated 165
to 180 ft, 190 to 200 ft, and 269 to 274 ft.
INSTRUMENTATION.--Semi-annual measurement with chalked steel tape by
U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 117 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1956 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.14 ft
above land-surface datum, Nov. 26, 1957; lowest measured, 119.35 ft
below land-surface datum, Apr. 19, 1976.
REMARKS.--Water levels are affected by pumping of nearby wells.

611254149501301. Local number, SB01300317DADA1 012.
LOCATION.--Lat 61°12'54", long 149°50'13", Hydrologic unit 19050002,
at Merrill Field, Anchorage.
Owner: Municipality of Anchorage.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 305 ft, open end.
INSTRUMENTATION.--Continuous strip-chart recorder.
DATUM.--Altitude of land surface is 129 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1969 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 37.24 ft below
land-surface datum, Dec. 29, 1969; lowest, 91.95 ft below land-
surface datum, June 16, 1975.
REMARKS.--Water levels are affected by pumping of nearby wells.

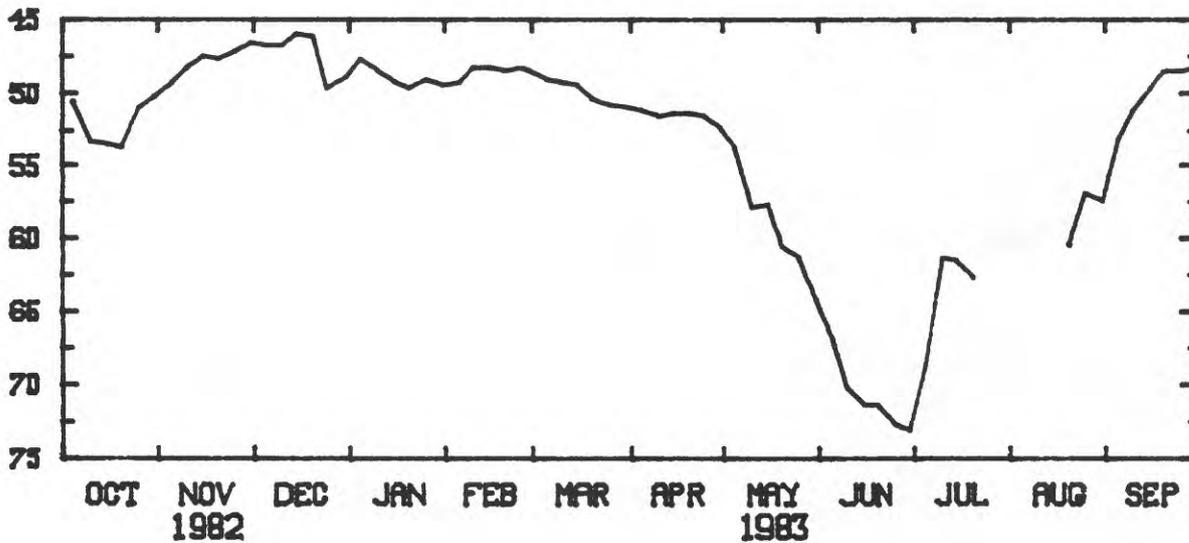
WATER LEVEL, IN FT BELOW LSD

SB01300316GAD01 001



WATER LEVEL, IN FT BELOW LSD

SB01300317DADA1 012

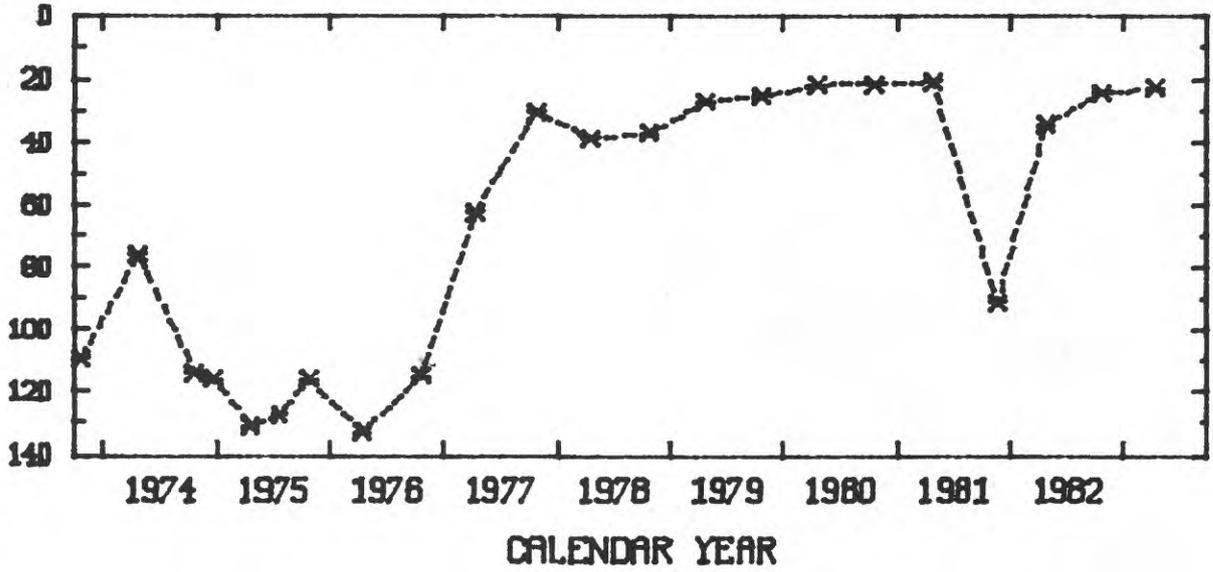


611313149510401. Local number, SB01300317ACBB1 001.
LOCATION.--Lat 61°13'13", long 149°51'04", Hydrologic unit 19050002,
near Municipality of Anchorage's public water-supply well
number 3, East 3rd Avenue near Concrete Street, Anchorage.
Owner: Municipality of Anchorage.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 8 in, depth 142 ft.
INSTRUMENTATION.--Semi-annual measurement with chalked steel tape by
U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 128 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.80 ft
below land-surface datum, Apr. 24, 1981; lowest measured, 132.81 ft
below land-surface datum, Apr. 19, 1976.
REMARKS.--Water levels are affected by pumping of nearby wells.

611311149510401. Local number, SB01300317BDAD1 003.
LOCATION.--Lat 61°13'11", long 149°51'04", Hydrologic unit 19050002,
near Municipality of Anchorage's public water-supply well
number 3, East 3rd Avenue and Concrete Street, Anchorage.
Owner: Municipality of Anchorage.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 8 in, depth 230 ft, slotted 162 to
182 ft and 190 to 201 ft.
INSTRUMENTATION.--Monthly measurement with chalked steel tape by U.S.
Geological Survey personnel.
DATUM.--Altitude of land surface is 129.3 ft (determined by levels
survey).
PERIOD OF RECORD.--October 1956 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.88 ft
below land-surface datum, Nov. 29, 1957; lowest measured, 128.17 ft
below land-surface datum, Apr. 19, 1976.
REMARKS.--Water levels are affected by pumping of nearby wells. Datum
was established prior to the 1964 earthquake; no adjustments have
been determined.

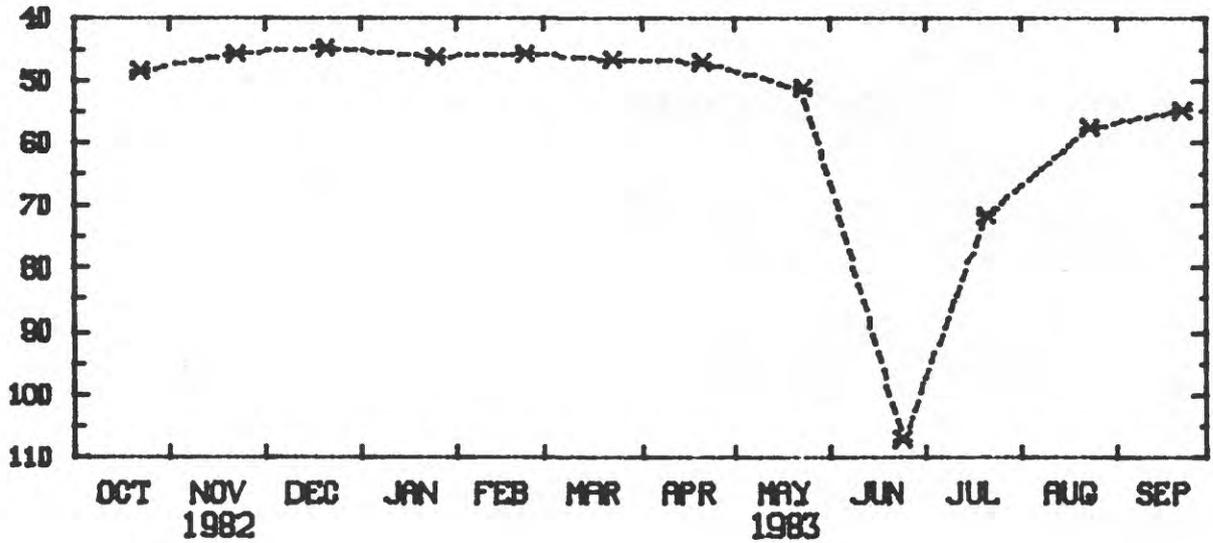
SB01300317ACBB1 001

WATER LEVEL, IN FT BELOW LSD



SB01300317BDAD1 003

WATER LEVEL, IN FT BELOW LSD

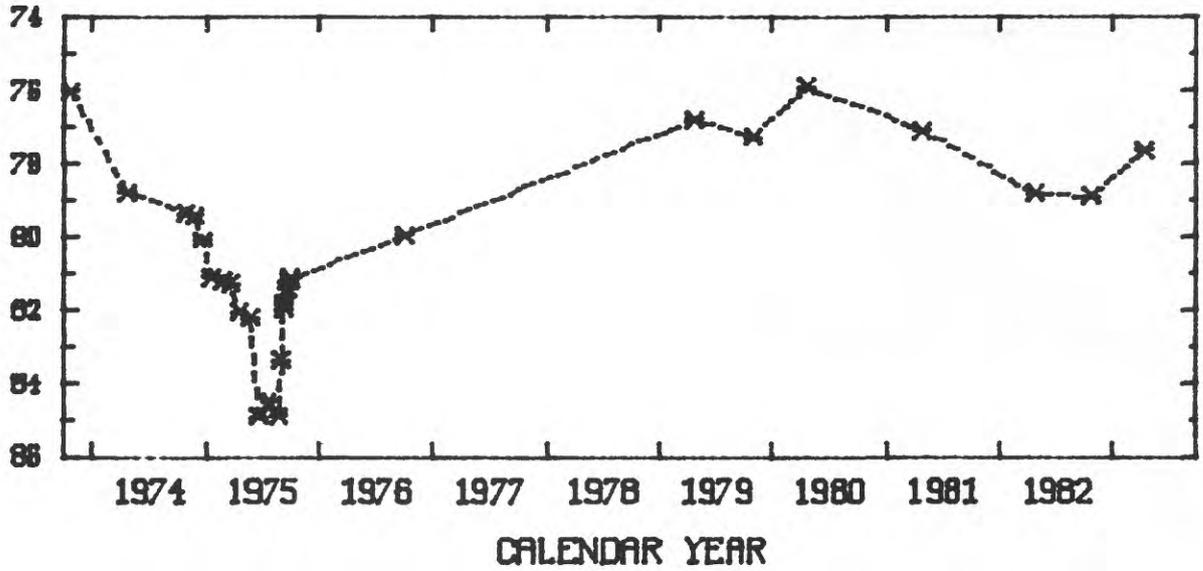


611305149531401. Local number, SB01300318BDCC1 008.
LOCATION.--Lat 61°13'05", long 149°53'14", Hydrologic unit 19050002,
6th and D Streets, Anchorage.
Owner: J C Penney
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 10 in, depth 190 ft, screened 185
to 190 ft.
INSTRUMENTATION.--Semi-annual measurement with chalked steel tape by
U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 103 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1969 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 75.90 ft
below land-surface datum, Apr. 22, 1980; lowest measured, 90.63 ft
below land-surface datum, July 9, 1976.
REMARKS.--Water levels are affected by pumping of nearby wells.

611248149531201. Local number, SB01300318CDBB1 009.
LOCATION.--Lat 61°12'48", long 149°53'12", Hydrologic unit 19050002,
Anchorage Park Strip, near 10th and D Streets, Anchorage.
Owner: U.S. Geological Survey.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 2 in, depth 28 ft, screened 25 to
28 ft.
INSTRUMENTATION.--Semi-annual measurement with chalked steel tape by
U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 102 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.48 ft
below land-surface datum, Oct. 21, 1982; lowest measured, 19.88 ft
below land-surface datum, Oct. 24, 1978.

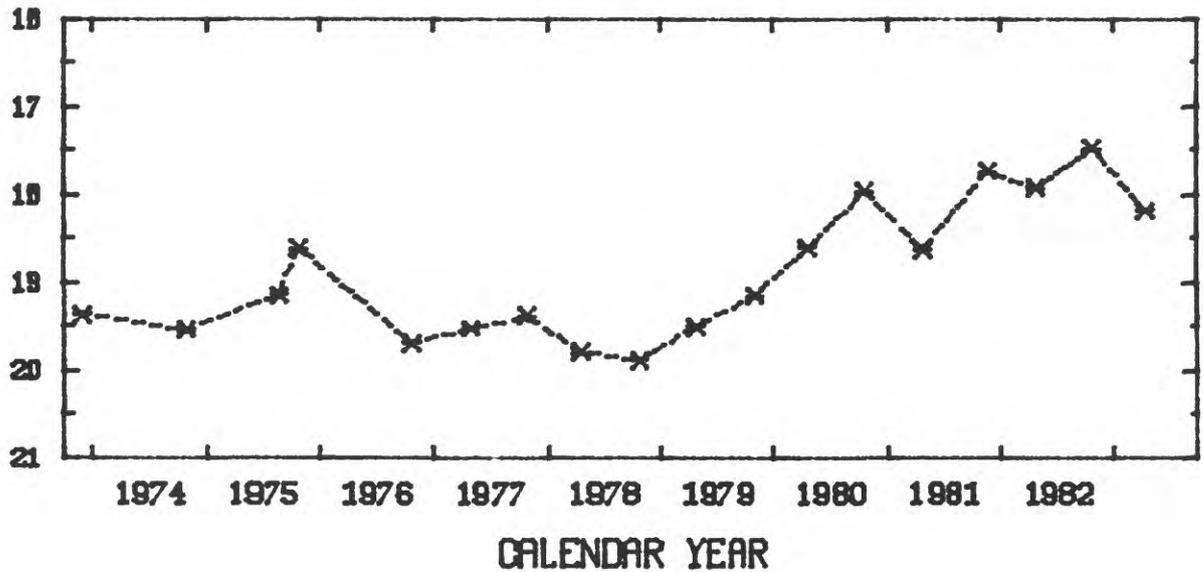
SB01300318B0CC1 008

WATER LEVEL, IN FT BELOW LSD



SB01300318C0BB1 009

WATER LEVEL, IN FT BELOW LSD



611236149453701. Local number, SB01300323ABBB1 013.

LOCATION.--Lat 61°12'36", long 149°45'37", Hydrologic unit 19050002, Nunaka Valley Park, near Debarr Road and Atkinson Drive, Anchorage.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 2 in, depth 20 ft, perforated 17 to 20 ft.

INSTRUMENTATION.--Semi-annual measurement with chalked steel tape by U.S. Geological Survey personnel.

DATUM.--Altitude of land surface is 213 ft (determined from topographic map).

PERIOD OF RECORD.--1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.14 ft below land-surface datum, Oct. 22, 1971; lowest measured, 13.41 ft below land-surface datum, July 23, 1971.

611235149454001. Local number, SB01300323BAAA1 001.

LOCATION.--Lat 61°12'34", long 149°45'43", Hydrologic unit 19050002, Nunaka Valley Park, near Debarr Road and Atkinson Drive, Anchorage.
Owner: Municipality of Anchorage.

AQUIFER.--Sand of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 10 in, depth 150 ft, screened 147 to 150 ft.

INSTRUMENTATION.--Continuous strip-chart recorder.

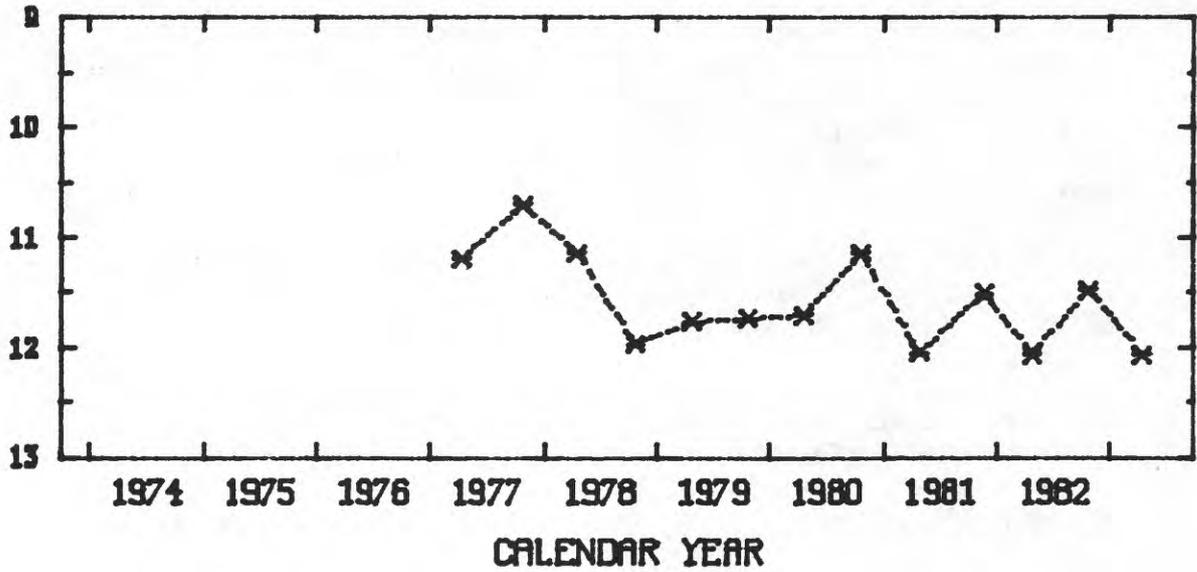
DATUM.--Altitude of land surface is 216 ft (determined from topographic map).

PERIOD OF RECORD.--1959 to 1969, 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 16.17 ft below land-surface datum, Oct. 3, 1961; lowest, 54.70 ft below land-surface datum, Mar. 24, 1979.

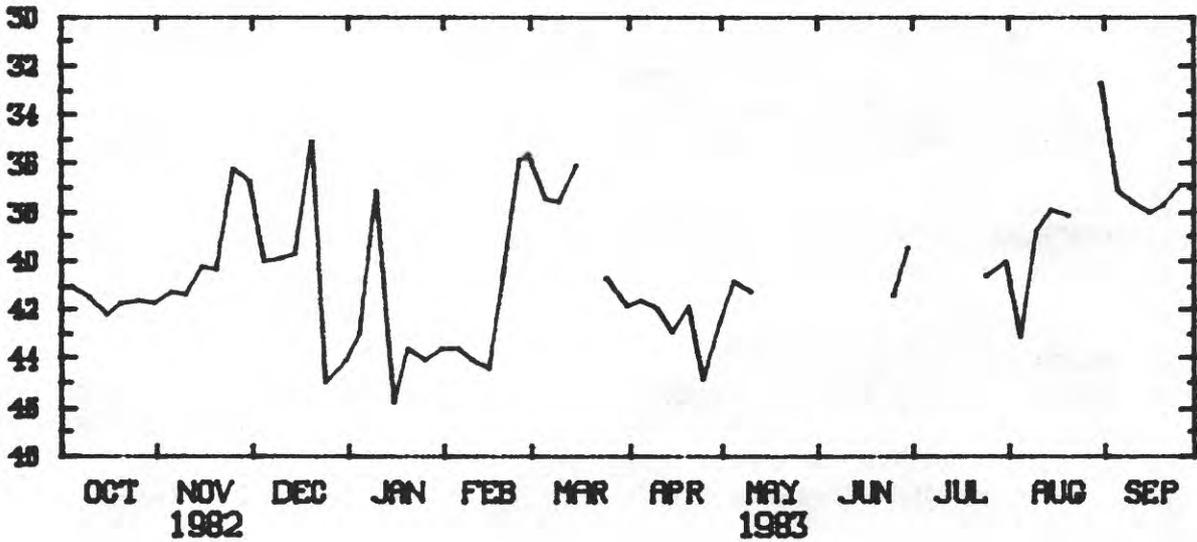
SB01300323ABBB1 013

WATER LEVEL, IN FT BELOW LSD



SB01300323BAAA1 001

WATER LEVEL, IN FT BELOW LSD



611146149492301. Local number, SB01300321CDDC1 001.

LOCATION.--Lat 61°11'46", long 149°49'23", Hydrologic unit 19050002, near Municipality of Anchorage's public water-supply well number 8, in Goose Lake Recreational Area, near East Northern Lights Boulevard and UAA Drive, Anchorage.

Owner: Municipality of Anchorage.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 6 in, depth 166 ft, screened 163 to 166 ft.

INSTRUMENTATION.--Semi-annual measurement with chalked steel tape by U.S. Geological Survey personnel.

DATUM.--Altitude of land surface is 140 ft (determined from topographic map).

PERIOD OF RECORD.--1964 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.11 ft below land-surface datum, Oct. 21, 1969; lowest measured, 69.28 ft below land-surface datum, Apr. 22, 1975.

REMARKS.--Water levels are affected by pumping of nearby wells.

611146149492303. Local number, SB01300321CDDC3 001.

LOCATION.--Lat 61°11'46", long 149°49'23", Hydrologic unit 19050002, near Municipality of Anchorage's public water-supply well number 8, in Goose Lake Recreational Area, near East Northern Lights Boulevard and UAA Drive, Anchorage.

Owner: U.S. Geological Survey.

AQUIFER.--Sand of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 2 in, depth 21 ft, screened 18 to 21 ft.

INSTRUMENTATION.--Semi-annual measurement with chalked steel tape by U.S. Geological Survey personnel.

DATUM.--Altitude of land surface is 140 ft (determined from topographic map).

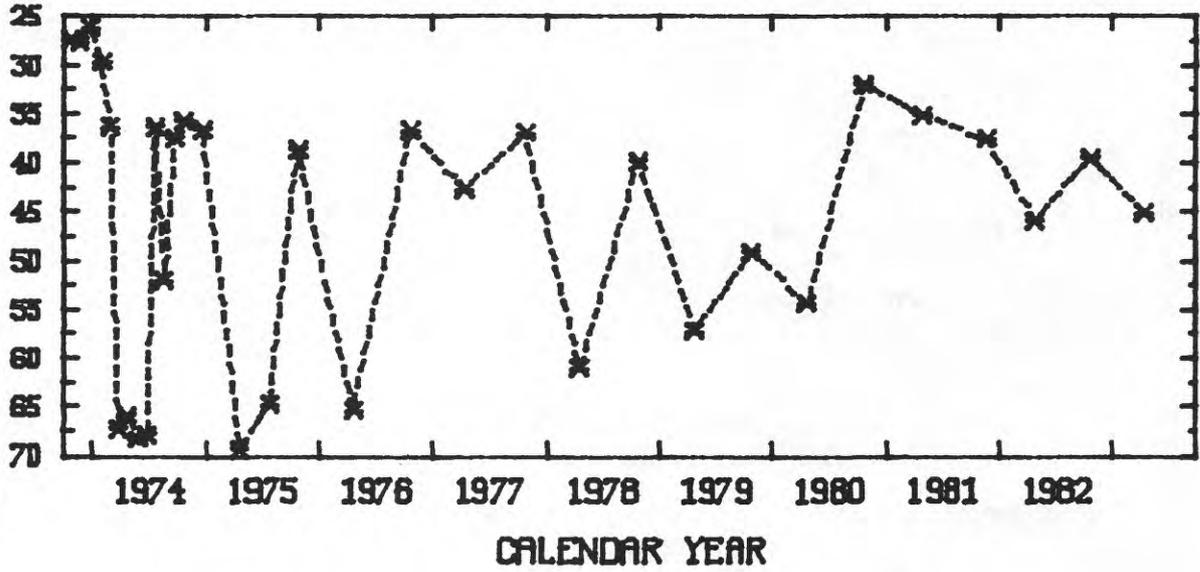
PERIOD OF RECORD.--1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.27 ft below land-surface datum, July 23, 1973; lowest measured, 12.59 ft below land-surface datum, Apr. 22, 1971.

REMARKS.--Water levels are affected by pumping of nearby wells.

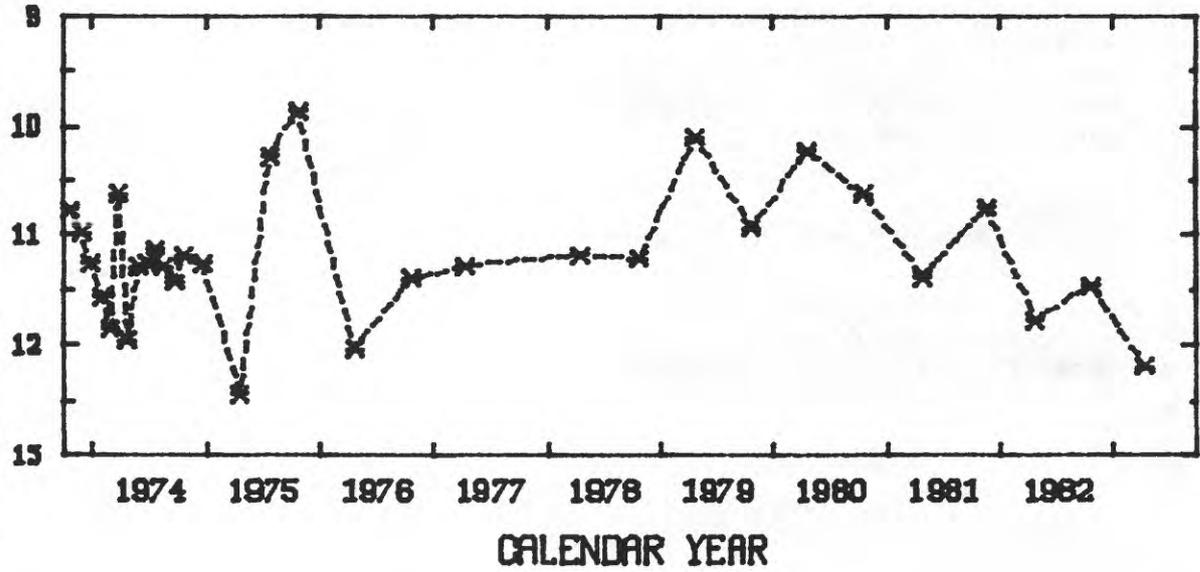
SB01300321CDDG1 001

WATER LEVEL, IN FT BELOW LSD



SB01300321CDDC3 001

WATER LEVEL, IN FT BELOW LSD



611150149490501. Local number, SB01300321DCCA1 009.

LOCATION.--Lat 61°11'50", long 149°49'05", Hydrologic unit 19050002, Goose Lake Recreational Area, near East Northern Lights Boulevard and UAA Drive, Anchorage.

Owner: U.S. Geological Survey.

AQUIFER.--Sandy gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 2 in, depth 28 ft, screened 25 to 28 ft.

INSTRUMENTATION.--Semi-annual measurement with chalked steel tape by U.S. Geological Survey personnel.

DATUM.--Altitude of land surface is 145 ft (determined from topographic map).

PERIOD OF RECORD.--1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.86 ft below land-surface datum, Apr. 26, 1979; lowest measured, 23.04 ft below land-surface datum, Apr. 22, 1971.

611106149522801. Local number, SB01300330DBDD1 030.

LOCATION.--Lat 61°11'06", long 149°52'28", Hydrologic unit 19050002, near East 39th Avenue and Denali Street, Anchorage.

Owner: Municipality of Anchorage.

AQUIFER.--Unknown deposits of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 6 in, depth 261 ft.

INSTRUMENTATION.--Continuous strip-chart recorder.

DATUM.--Altitude of land surface is 108 ft (determined from topographic map).

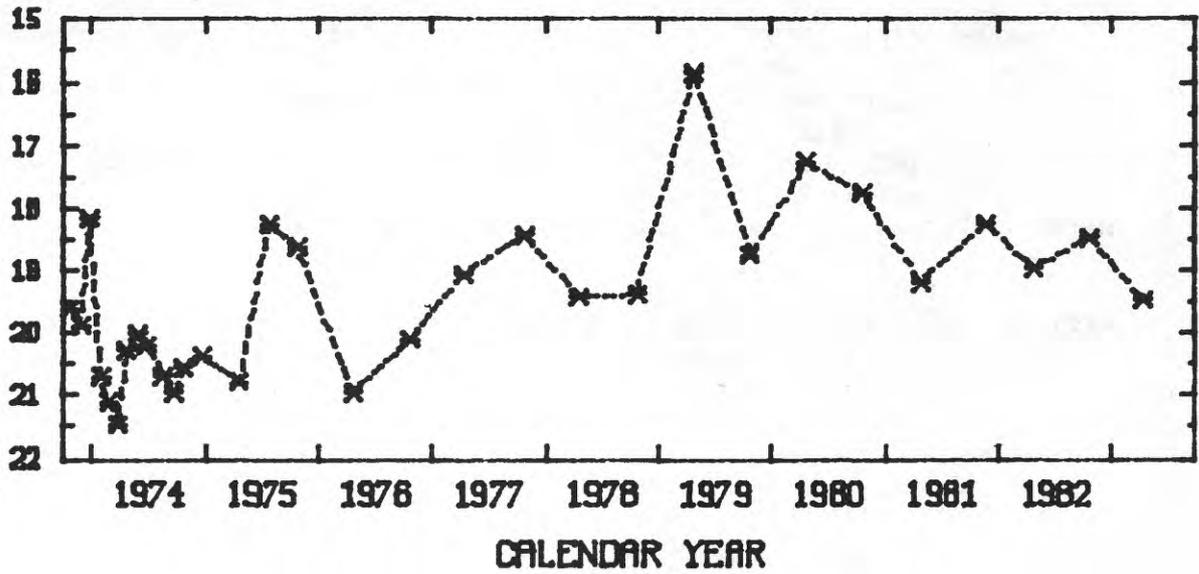
PERIOD OF RECORD.--1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.51 ft above land-surface datum, Sep. 24-25, 1976; lowest, 48.11 ft below land-surface datum, July 21, 1982.

REMARKS.--Water levels are affected by nearby pumping.

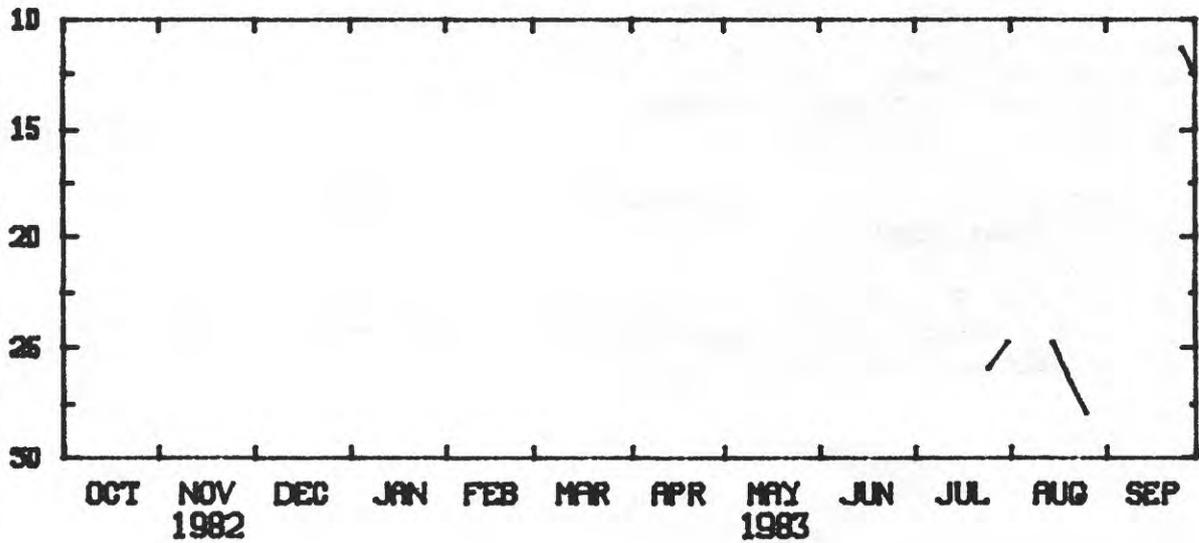
SB01300321DCCA1 009

WATER LEVEL, IN FT BELOW LSD



SB01300330DBDD1 030

WATER LEVEL, IN FT BELOW LSD

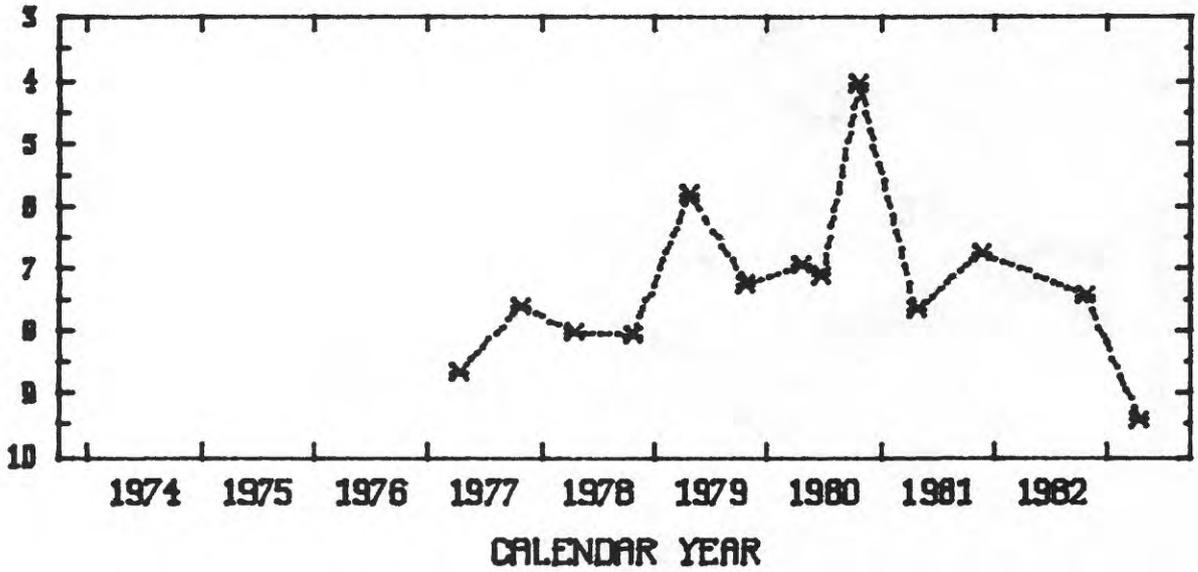


611046149482402. Local number, SB01300333AADA2 023.
LOCATION.--Lat 61°10'46", long 149°48'24", Hydrologic unit 19050002,
near Municipal Animal Shelter, 3600 Tudor Road, Anchorage.
Owner: Municipality of Anchorage.
AQUIFER.--Unknown deposits of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 40 ft.
INSTRUMENTATION.--Semi-annual measurement with chalked steel tape by
U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 171 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.05 ft
below land-surface datum, Oct. 22, 1980; lowest measured, 9.40 ft
below land-surface datum, Apr. 13, 1983.

611036149482201. Local number, SB01300333ADAD1 027.
LOCATION.--Lat 61°10'36", long 149°48'22", Hydrologic unit 19050002,
near Municipal Animal Shelter, 3600 Tudor Road, Anchorage.
Owner: Municipality of Anchorage.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 194 ft, screened 190
to 194 ft.
INSTRUMENTATION.--Continuous strip-chart recorder.
DATUM.--Altitude of land surface is 173 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 33.01 ft below
land-surface datum, Jan. 25, 1981; lowest, 59.76 ft below land-
surface datum, June 28-29, 1983.

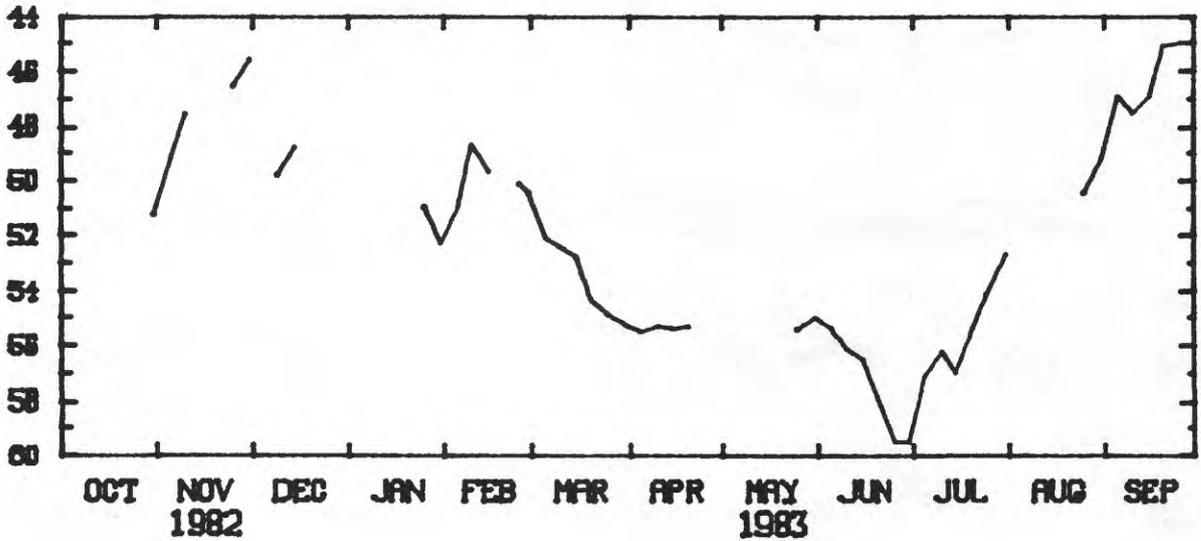
WATER LEVEL, IN FT BELOW LSD

SB01300333AADA2 023



WATER LEVEL, IN FT BELOW LSD

SB01300333ADAD1 027



611048149461101. Local number, SB01300335BBAD1 004.

LOCATION.--Lat 61°10'48", long 149°46'11", Hydrologic unit 19050002, near Tudor Road and Boniface Parkway, Anchorage.

Owner: State of Alaska.

AQUIFER.--Gravelly sand of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 6 in, depth 224 ft, screened 219 to 224 ft.

INSTRUMENTATION.--Semi-annual measurement with chalked steel tape by U.S. Geological Survey personnel.

DATUM.--Altitude of land surface is 242 ft (determined from topographic map).

PERIOD OF RECORD.--1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63.39 ft below land-surface datum, Sep. 20, 1968; lowest measured, 78.76 ft below land-surface datum, Apr. 13, 1983.

611002149453802. Local number, SB01300335DCCC2 005.

LOCATION.--Lat 61°10'02", long 149°45'38", Hydrologic unit 19050002, Stuckagain Heights Road, near South Fork Campbell Creek, Anchorage.

Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 2 in, depth 48 ft, screened 45 to 48 ft.

INSTRUMENTATION.--Semi-annual measurement with chalked steel tape by U.S. Geological Survey personnel.

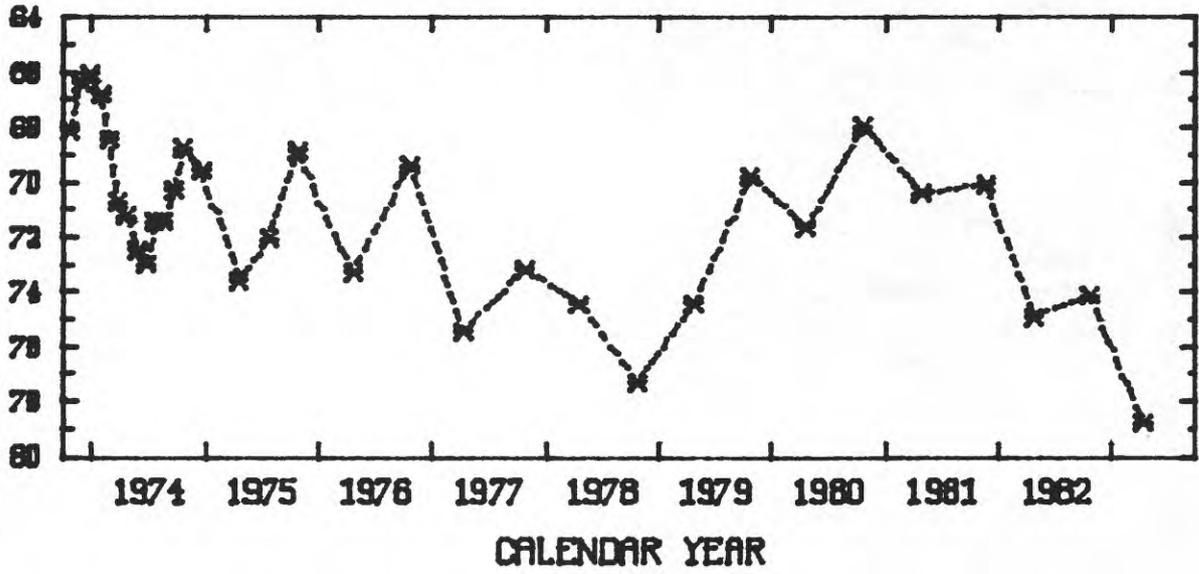
DATUM.--Altitude of land surface is 286 ft (determined from topographic map).

PERIOD OF RECORD.--1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.26 ft below land-surface datum, May 24, 1973; lowest measured, 11.64 ft below land-surface datum, Mar. 24, 1975.

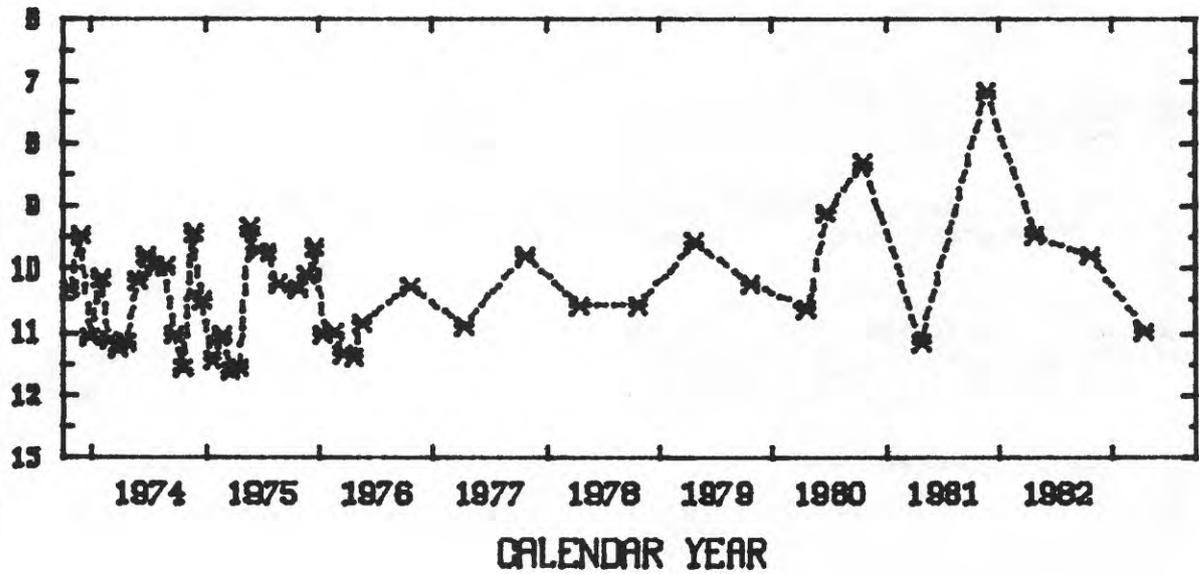
SB01300335BBAD1 004

WATER LEVEL, IN FT BELOW LSD



SB01300335DCCC2 005

WATER LEVEL, IN FT BELOW LSD



611047149430001. Local number, SB01300336AAAD1 010.

LOCATION.--Lat 61°10'47", long 149°43'00", Hydrologic unit 19050002, near Tudor Road and Muldoon Road, Anchorage.

Owner: Municipality of Anchorage.

AQUIFER.--Clay, sand, and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 6 in, depth 151 ft, perforated 75 to 78 ft, open hole 101 to 151 ft.

INSTRUMENTATION.--Continuous strip-chart recorder.

DATUM.--Altitude of land surface is 385 ft (determined from topographic map).

PERIOD OF RECORD.--1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 11.21 ft below land-surface datum, Nov. 15, 1977; lowest, 30.12 ft below land-surface datum, Sep. 20, 1976.

611033149430101. Local number, SB01300336ADDA1 001.

LOCATION.--Lat 61°10'33", long 149°43'01", Hydrologic unit 19050002, 0.5 mi southeast of intersection of Tudor Road and Muldoon Road, Anchorage.

Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 6 in, depth 112 ft, perforated 61 to 64 ft and 73 to 76 ft, screened 76 to 90 ft.

INSTRUMENTATION.--Monthly measurement with chalked steel tape by U.S. Geological Survey personnel.

DATUM.--Altitude of land surface is 414 ft (determined from topographic map).

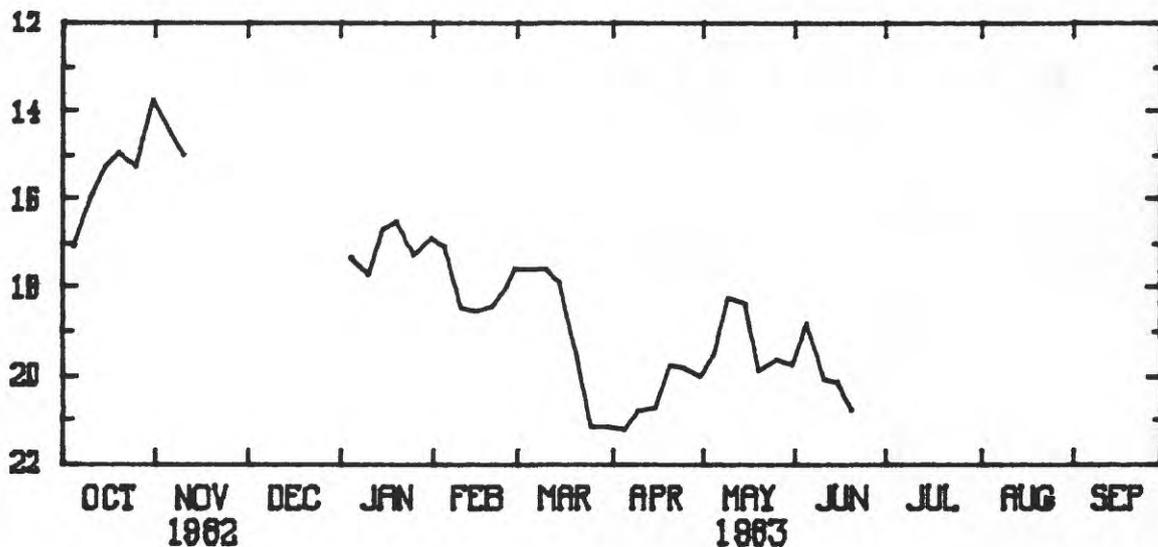
PERIOD OF RECORD.--1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.29 ft below land-surface datum, Nov. 10, 1972; lowest measured, 69.43 ft below land-surface datum, Jan. 14, 1974.

REMARKS.--Water levels are affected by pumping of nearby wells.

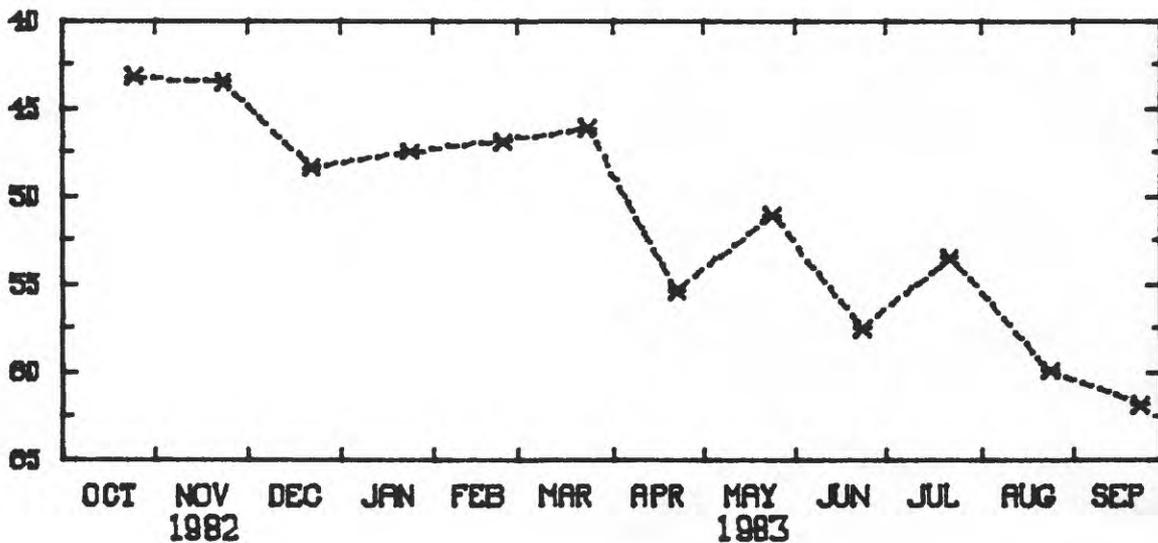
SB01300336AARD1 010

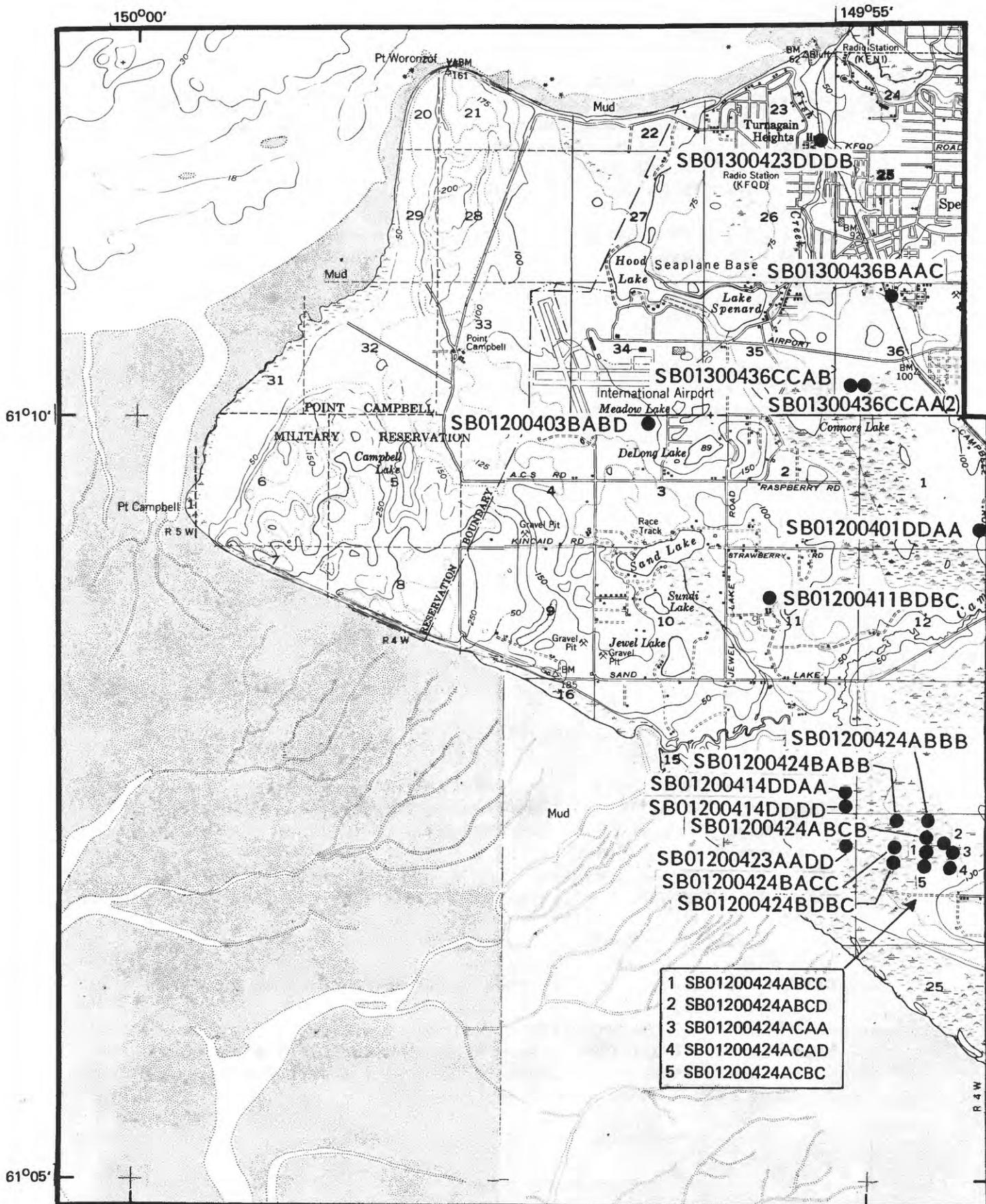
WATER LEVEL, IN FT BELOW LSD



SB01300336ADDA1 001

WATER LEVEL, IN FT BELOW LSD





Location of wells on pages 154 - 175.

611149149553901. Local number, SB01300423DDDB1 002.

LOCATION.--Lat 61°11'49", long 149°55'39", Hydrologic unit 19050002,
West Northern Lights Boulevard and Lahonda Drive, Anchorage.

Owner: Municipality of Anchorage.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 6 in, depth 283 ft, screened 278 to
283 ft.

INSTRUMENTATION.--Continuous strip-chart recorder.

DATUM.--Altitude of land surface is 44 ft (determined from topo-
graphic map).

PERIOD OF RECORD.--September 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, flowing over
top of casing (2.8 ft above land-surface datum), 1962 to 1963;
lowest, 13.02 ft below land-surface datum, Apr. 2, 1964.

REMARKS.--Water levels are affected by pumping of wells in the
Anchorage area. Tide effect in the well is about 0.2 ft.

611049149545101. Local number, SB01300436BAAC1 041.

LOCATION.--Lat 61°10'49", long 149°54'51", Hydrologic unit 19050002,
Harding Drive and 45th Street, Anchorage.

Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 6 in, depth 18.5 ft, screened 13.5 to
18.5 ft.

INSTRUMENTATION.--Monthly measurement with chalked steel tape by U.S.
Geological Survey personnel.

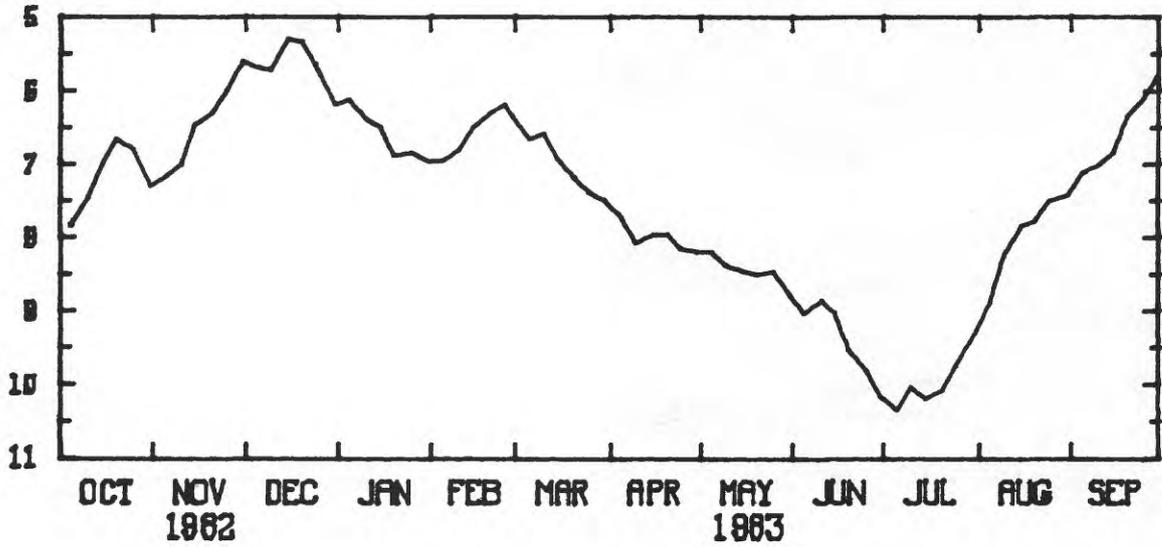
DATUM.--Altitude of land surface is 88 ft (determined from topo-
graphic map).

PERIOD OF RECORD.--June 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.50 ft
below land-surface datum, Oct. 21, 1980; lowest measured, 13.52 ft
below land-surface datum, Sep. 23, 1974.

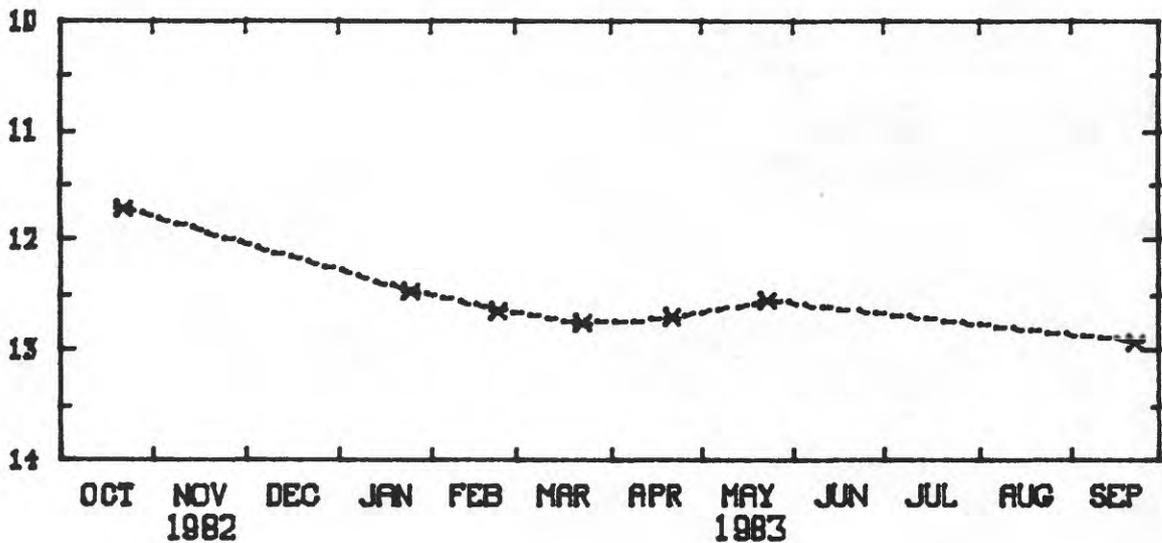
SBO1300423D0DB1 002

WATER LEVEL, IN FT BELOW LSD



SBO1300436BAAC1 041

WATER LEVEL, IN FT BELOW LSD

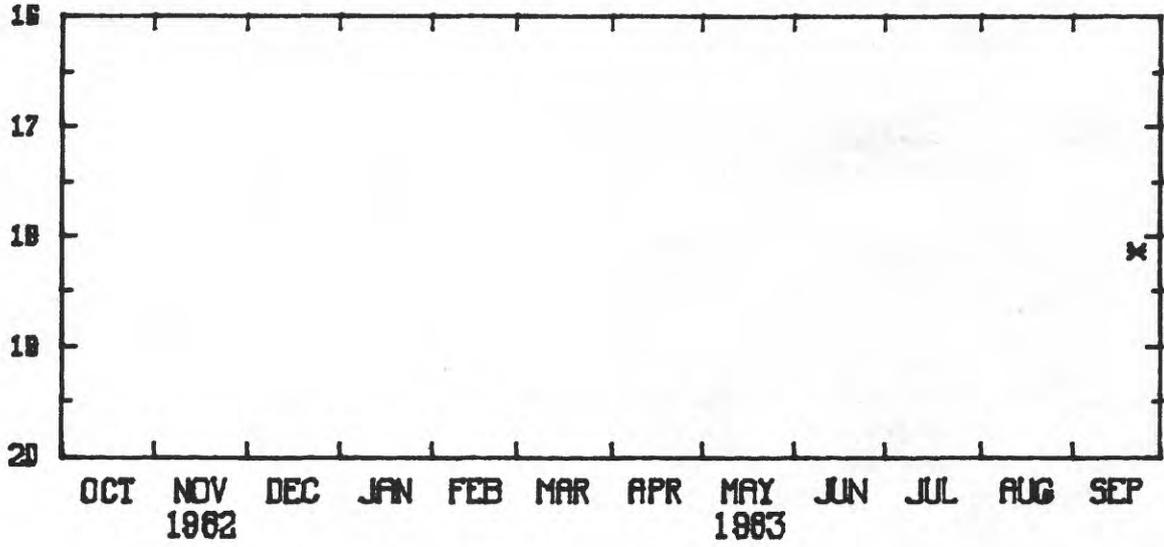


611013149550801. Local number, SB01300436CCAA1 036.
LOCATION.--Lat 61°10'13", long 149°55'08", Hydrologic unit 19050002,
Greater Anchorage Area Borough Landfill, near Minnesota Drive
and International Airport Road, Anchorage.
Owner: Municipality of Anchorage.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 4 in, depth 46 ft, perforated 38 to
46 ft.
INSTRUMENTATION.--Intermittent measurements with chalked steel tape by
U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 96.6 ft (determined from levels
survey).
PERIOD OF RECORD.--1973 to 1981, 1983.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.17 ft
below land-surface datum, Sep. 16, 1981; lowest measured, 20.54 ft
below land-surface datum, Mar. 26, 1975.
REMARKS.--Well is located in landfill. Altitude of top of casing
is 103.4 ft.

611013149551101. Local number, SB01300436CCAA2 036.
LOCATION.--Lat 61°10'13", long 149°55'11", Hydrologic unit 19050002,
Greater Anchorage Area Borough Landfill, near Minnesota Drive and
International Airport Road, Anchorage.
Owner: Municipality of Anchorage.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 145 ft.
INSTRUMENTATION.--Intermittent measurements with chalked steel tape by
U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 96.0 ft (determined from levels
survey).
PERIOD OF RECORD.--1974 to 1976, 1983.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.89 ft
below land-surface datum, Oct. 15, 1975; lowest measured, 39.54 ft
below land-surface datum, June 26, 1974.
REMARKS.--Well is located in landfill. Altitude of top of casing
is 104.0 ft.

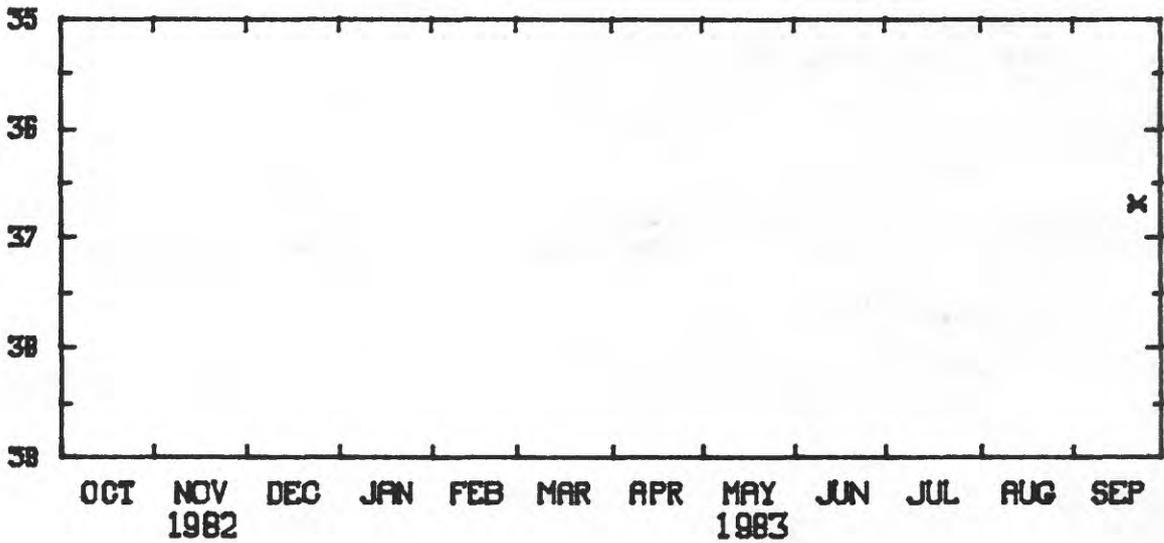
SBO1300436CCAR1 036

WATER LEVEL, IN FT BELOW LSD



SBO1300436CCAR2 036

WATER LEVEL, IN FT BELOW LSD



611013149551601. Local number, SB01300436CCAB1 035.

LOCATION.--Lat 61°10'13", long 149°55'16", Hydrologic unit 19050002, Greater Anchorage Area Borough Landfill, near Minnesota Drive and International Airport Road, Anchorage.

Owner: Municipality of Anchorage.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 4 in, depth 29 ft, perforated 24 to 27 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by U.S. Geological Survey personnel.

DATUM.--Altitude of land surface is 96.0 ft (determined from levels survey).

PERIOD OF RECORD.--1973 to 1975, 1983.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.50 ft below land-surface datum, Aug. 15, 1983; lowest measured, 21.27 ft below land-surface datum, June 12, 1974.

REMARKS.--Well is located in landfill. Altitude of top of casing is 103.8 ft.

610958149580801. Local number, SB01200403BABD1 001.

LOCATION.--Lat 61°09'58", long 149°58'08", Hydrologic unit 19050002, International Airport, Anchorage.

Owner: Alaska Air National Guard.

AQUIFER.--Gravelly sand of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 10 in, depth 268 ft, screened 243 to 268 ft.

INSTRUMENTATION.--Semi-annual measurement with chalked steel tape by U.S. Geological Survey personnel.

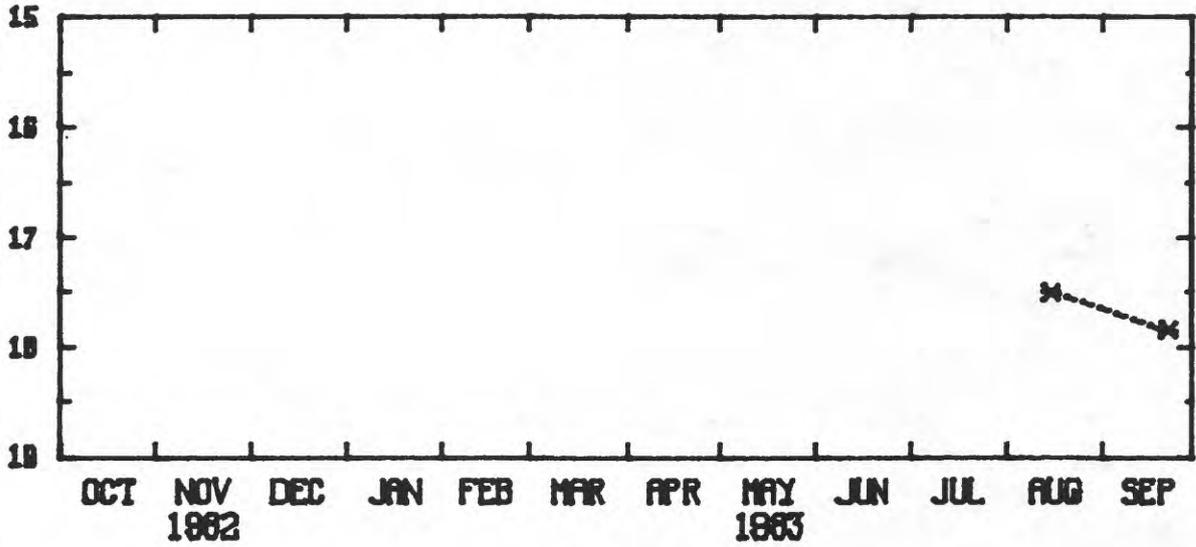
DATUM.--Altitude of land surface is 106 ft (determined from topographic map).

PERIOD OF RECORD.--1961 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 85.17 ft below land-surface datum, Aug. 31, 1961; lowest measured, 91.70 ft below land-surface datum, Nov. 18, 1981.

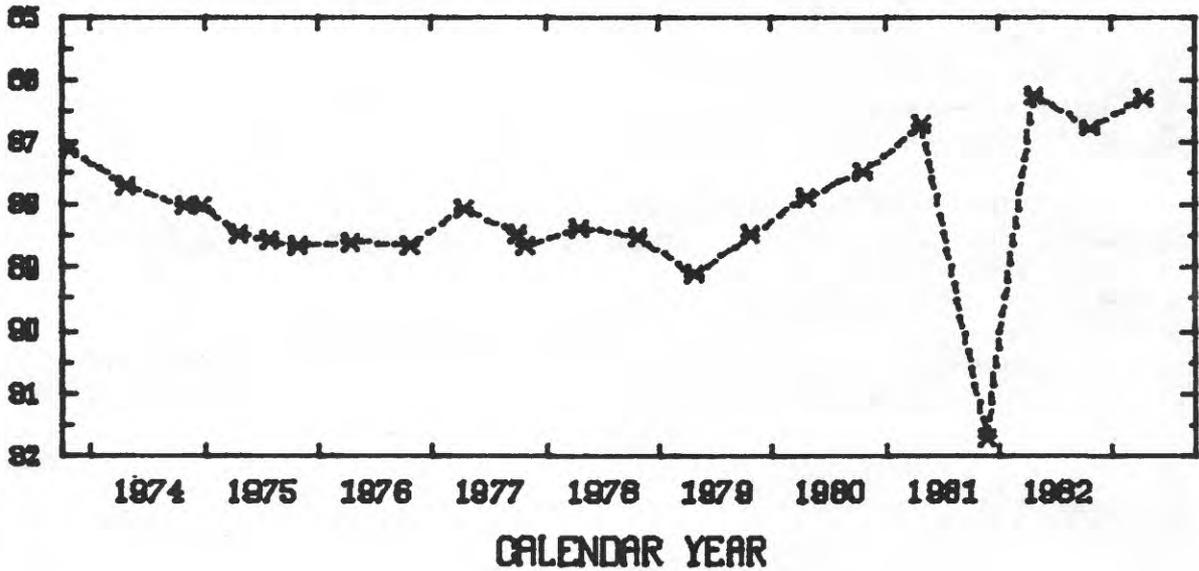
SB0130043600AB1 035

WATER LEVEL, IN FT BELOW LSD



SB0120040300AB01 001

WATER LEVEL, IN FT BELOW LSD

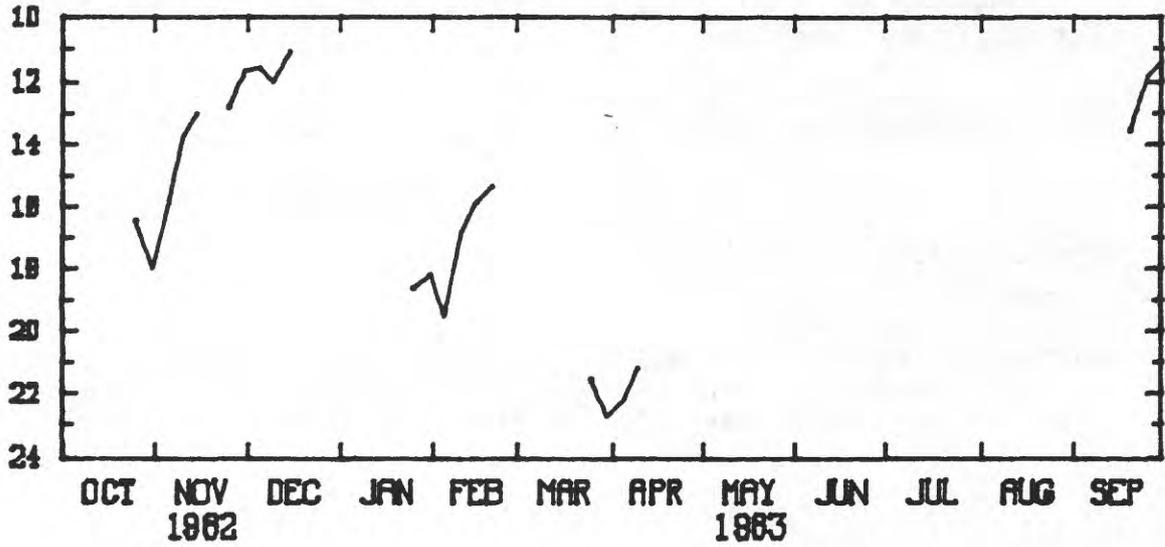


610920149532601. Local number, SB01200401DDAA1 004.
LOCATION.--Lat 61°09'20", long 149°53'26", Hydrologic unit 19050002,
Pierce Subdivision, near Arctic Boulevard and West 74th Avenue,
Anchorage.
Owner: Municipality of Anchorage.
AQUIFER.--Unknown deposits of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 8 in, depth 243 ft, screened 233
to 243 ft.
INSTRUMENTATION.--Continuous strip-chart recorder.
DATUM.--Altitude of land surface is 98 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, flowing over
top of casing (3 ft above land surface) Jan. 27, 1981;
lowest, 28.85 ft below land-surface datum, June 24, 1983.
REMARKS.--Well is reported to have flowed before the 1964
earthquake.

610852149562701. Local number, SB01200411BDBC1 010.
LOCATION.--Lat 61°08'52", long 149°56'27", Hydrologic unit 19050002,
Shady Birch Park, near West 82nd Avenue and Blackberry Street,
Anchorage.
Owner: Municipality of Anchorage.
AQUIFER.--Gravel and sandy clay of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 8 in, depth 307 ft, screened 297
to 307 ft.
INSTRUMENTATION.--Continuous strip-chart recorder.
DATUM.--Altitude of land surface is 112 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 55.86 ft below
land-surface datum, Nov. 7, 1971; lowest, 70.86 ft below land-
surface datum, May 15, 1969.

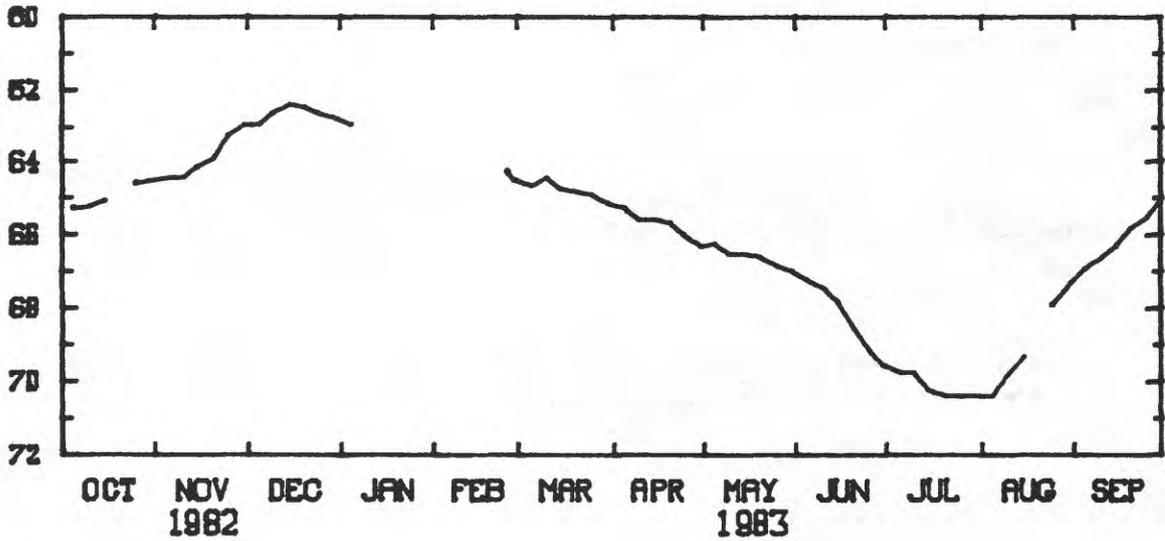
SBO1200401DDAA1 004

WATER LEVEL, IN FT BELOW LSD



SBO120041180BC1 010

WATER LEVEL, IN FT BELOW LSD



610737149551301. Local number, SB01200414DDAA1 015.

LOCATION.--Lat 61°07'37", long 149°55'13", Hydrologic unit 19050002,
in Klatt Bog, Anchorage.

Owner: Carr-Gottstein

AQUIFER.--Peat of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 2 in, depth 9 ft, perforated 2 to
9 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by
U.S. Geological Survey personnel.

DATUM.--Altitude of land surface is 63 ft (determined from topo-
graphic map).

PERIOD OF RECORD.--1983.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.18 ft
below land-surface datum, May 4, 1983; lowest measured, 2.52 ft
below land-surface datum, Aug. 3, 1983.

610726149551201. Local number, SB01200414DDDD1 016.

LOCATION.--Lat 61°07'26", long 149°55'12", Hydrologic unit 19050002,
in Klatt Bog, Anchorage.

Owner: Carr-Gottstein

AQUIFER.--Peat of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 2 in, depth 9 ft, perforated 2 to
9 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by
U.S. Geological Survey personnel.

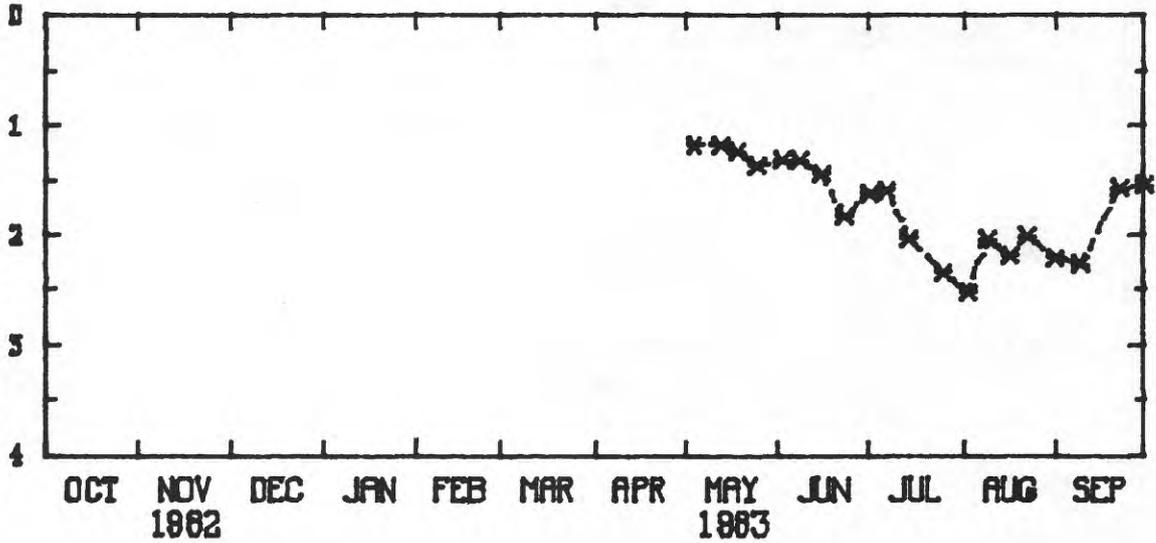
DATUM.--Altitude of land surface is 62 ft (determined from topo-
graphic map).

PERIOD OF RECORD.--1983.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.70 ft
below land-surface datum, May 4, 1983; lowest measured, 1.56 ft
below land-surface datum, Aug. 3, 1983.

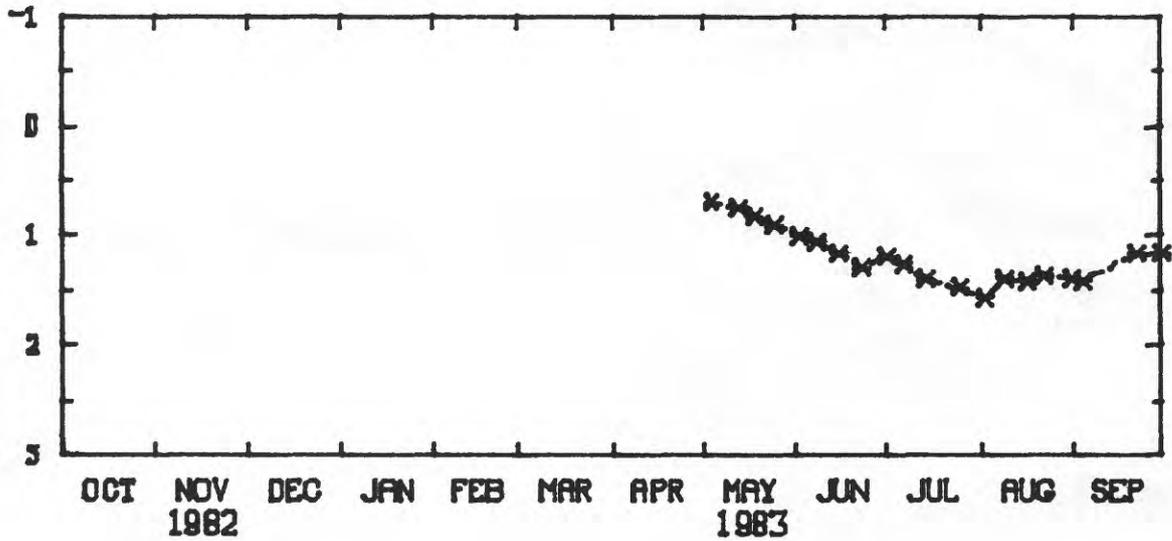
SBO1200414DDAA1 015

WATER LEVEL, IN FT BELOW LSD



SBO1200414DDDD1 016

WATER LEVEL, IN FT BELOW LSD

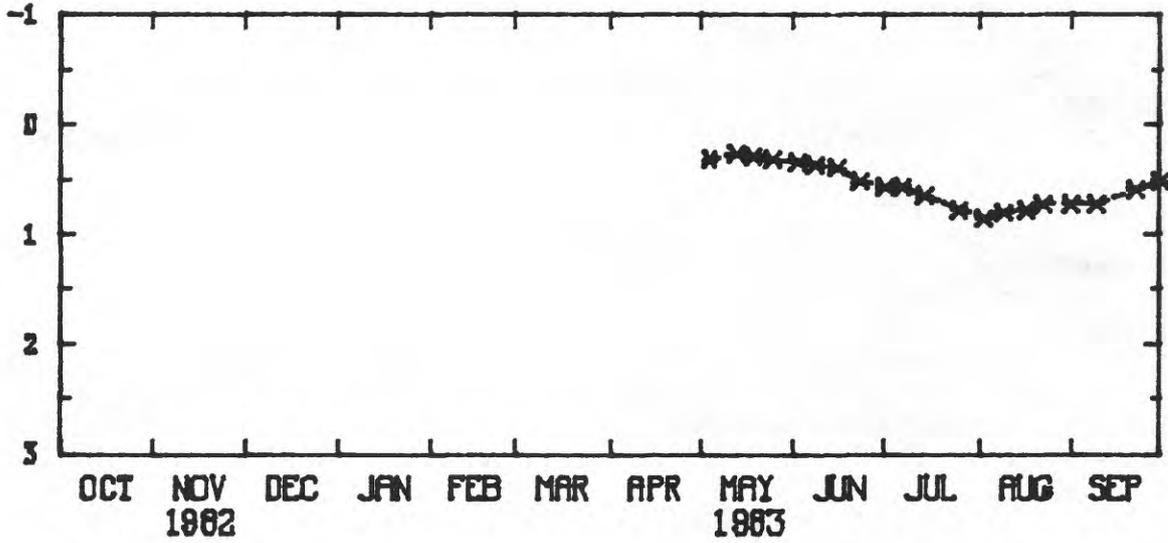


610724149544201. Local number, SB01200424BABBI 028.
LOCATION.--Lat 61°07'24", long 149°54'42", Hydrologic unit 19050002,
in Klatt Bog, Anchorage.
Owner: U.S. Bureau of Land Management.
AQUIFER.--Peat of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 1.25 in, depth 8 ft, perforated 2 to
8 ft.
INSTRUMENTATION.--Intermittent measurements with chalked steel tape by
U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 65 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1983.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.27 ft
below land-surface datum, May 13, 1983; lowest measured, 0.85 ft
below land-surface datum, Aug. 3, 1983.

610713149551301. Local number, SB01200423AADD1 003.
LOCATION.--Lat 61°07'13", long 149°55'13", Hydrologic unit 19050002,
in Klatt Bog, Anchorage.
Owner: Carr-Gottstein.
AQUIFER.--Peat of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 2 in, depth 9 ft, perforated 2 to
9 ft.
INSTRUMENTATION.--Intermittent measurements with chalked steel tape by
U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 62 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1983.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.19 ft
below land-surface datum, May 4, 1983; lowest measured, 1.65 ft
below land-surface datum, Aug. 3, 1983.

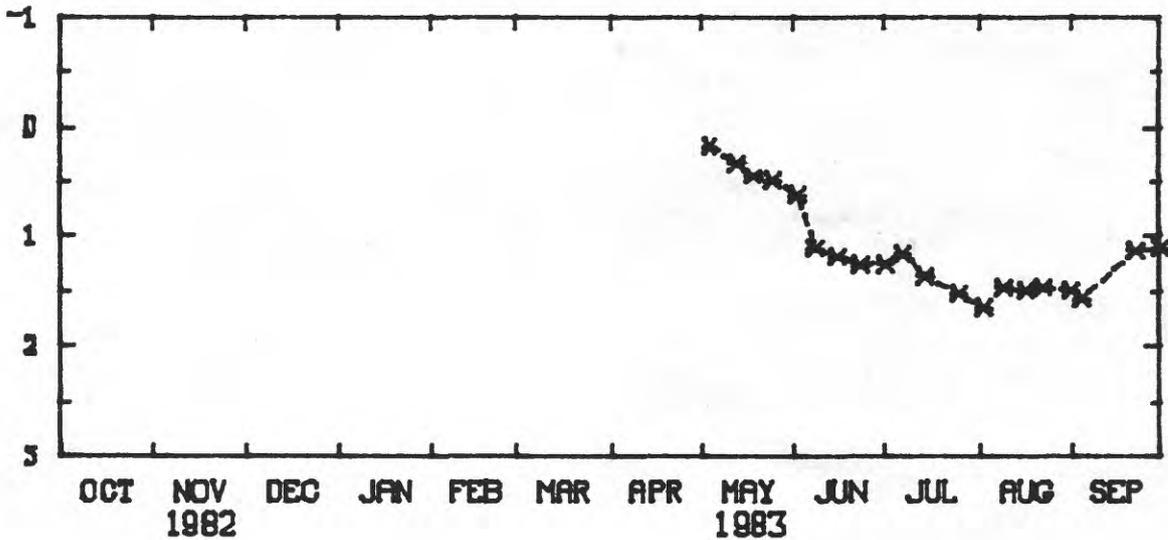
SBO1200424BABB1 028

WATER LEVEL, IN FT BELOW LSD



SBO1200423AADD1 003

WATER LEVEL, IN FT BELOW LSD



610724149541701. Local number, SB01200424ABBB1 021.

LOCATION.--Lat 61°07'24", long 149°54'17", Hydrologic unit 19050002, in Klatt Bog, Anchorage.

Owner: U.S. Bureau of Land Management.

AQUIFER.--Peat of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.25 in, depth 7 ft, perforated 2 to 7 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by U.S. Geological Survey personnel.

DATUM.--Altitude of land surface is 70 ft (determined from topographic map).

PERIOD OF RECORD.--1983.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.22 ft below land-surface datum, June 15, 1983; lowest measured, 0.75 ft below land-surface datum, Aug. 3, 1983.

610717149541601. Local number, SB01200424ABCB1 022.

LOCATION.--Lat 61°07'17", long 149°54'16", Hydrologic unit 19050002, in Klatt Bog, Anchorage.

Owner: U.S. Bureau of Land Management.

AQUIFER.--Peat of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 2 in, depth 18 ft, perforated 2 to 18 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by U.S. Geological Survey personnel.

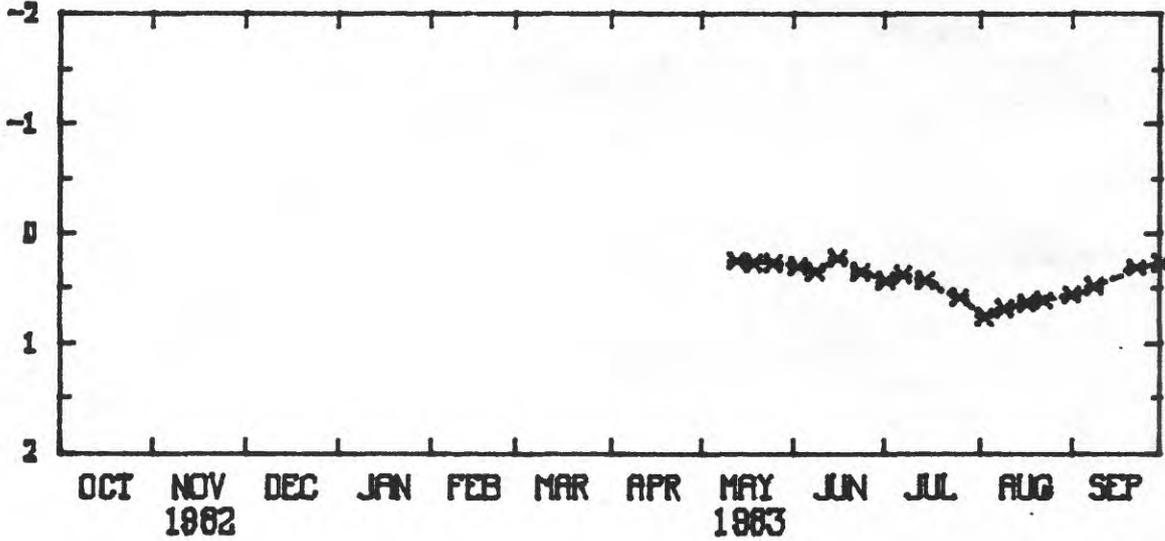
DATUM.--Altitude of land surface is 70 ft (determined from topographic map).

PERIOD OF RECORD.--1983.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.30 ft below land-surface datum, Sep. 30, 1983; lowest measured, 1.30 ft below land-surface datum, Sep. 30, 1983.

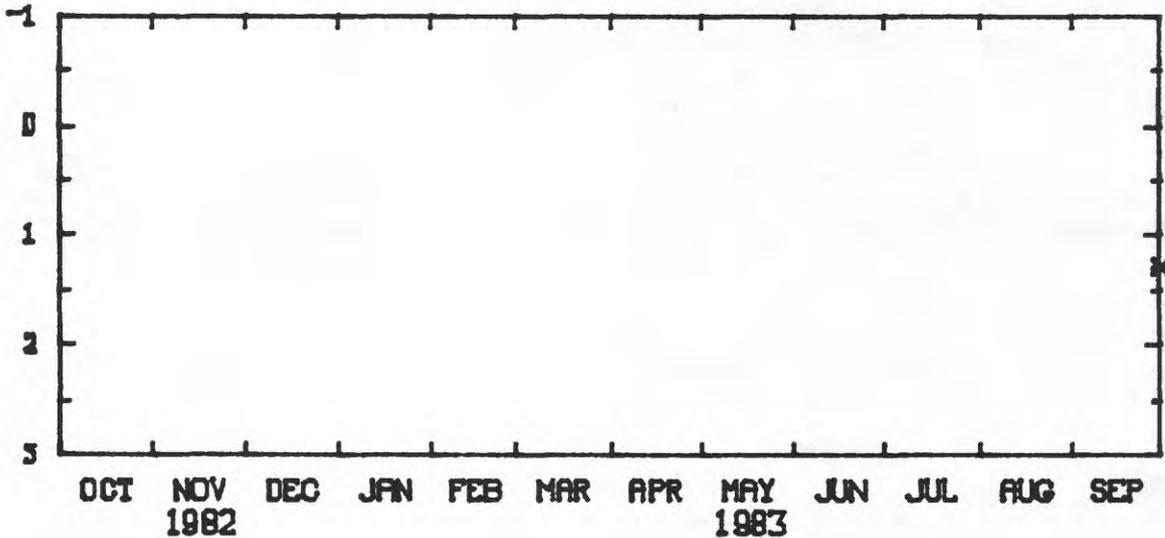
S601200424F8881 021

WATER LEVEL, IN FT BELOW LSD



S601200424F8C81 022

WATER LEVEL, IN FT BELOW LSD



610712149544301. Local number, SB01200424BACC1 029.

LOCATION.--Lat 61°07'12", long 149°54'43", Hydrologic unit 19050002, in Klatt Bog, Anchorage.

Owner: U.S. Bureau of Land Management.

AQUIFER.--Peat of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.5 in, depth 9 ft, perforated 2 to 9 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by U.S. Geological Survey personnel.

DATUM.--Altitude of land surface is 65 ft (determined from topographic map).

PERIOD OF RECORD.--1983.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.10 ft above land-surface datum, May 13, 1983; lowest measured, 1.30 ft below land-surface datum, Aug. 3, 1983.

610706149544301. Local number, SB01200424BDBC1 031.

LOCATION.--Lat 61°07'06", long 149°54'43", Hydrologic unit 19050002, in Klatt Bog, Anchorage.

Owner: U.S. Bureau of Land Management.

AQUIFER.--Peat of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.25 in, depth 9 ft, perforated 2 to 9 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by U.S. Geological Survey personnel.

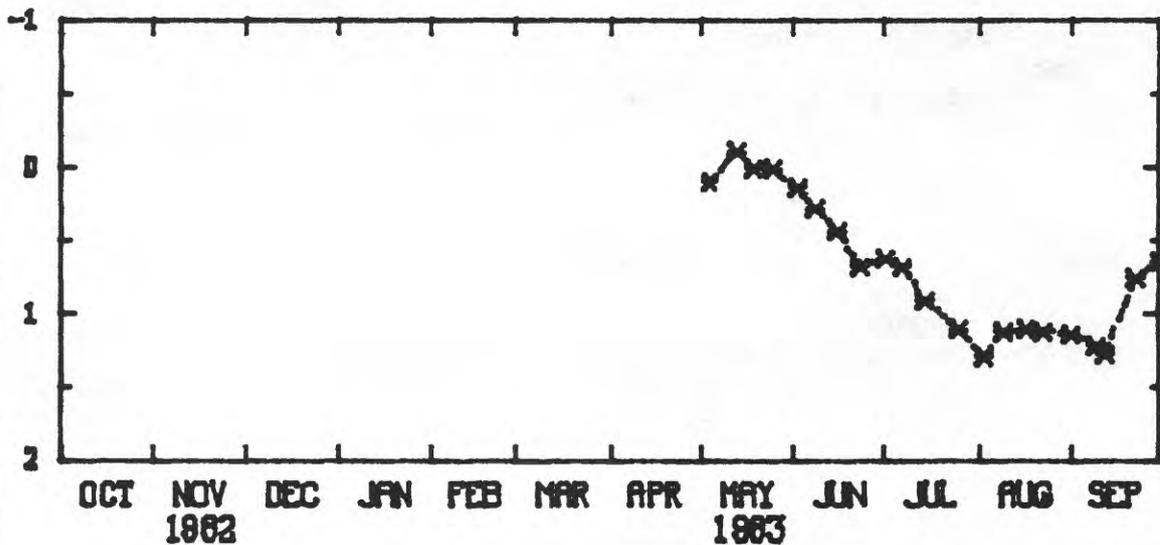
DATUM.--Altitude of land surface is 66 ft (determined from topographic map).

PERIOD OF RECORD.--1983.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.29 ft below land-surface datum, June 23, 1983; lowest measured, 0.70 ft below land-surface datum, June 2, 1983.

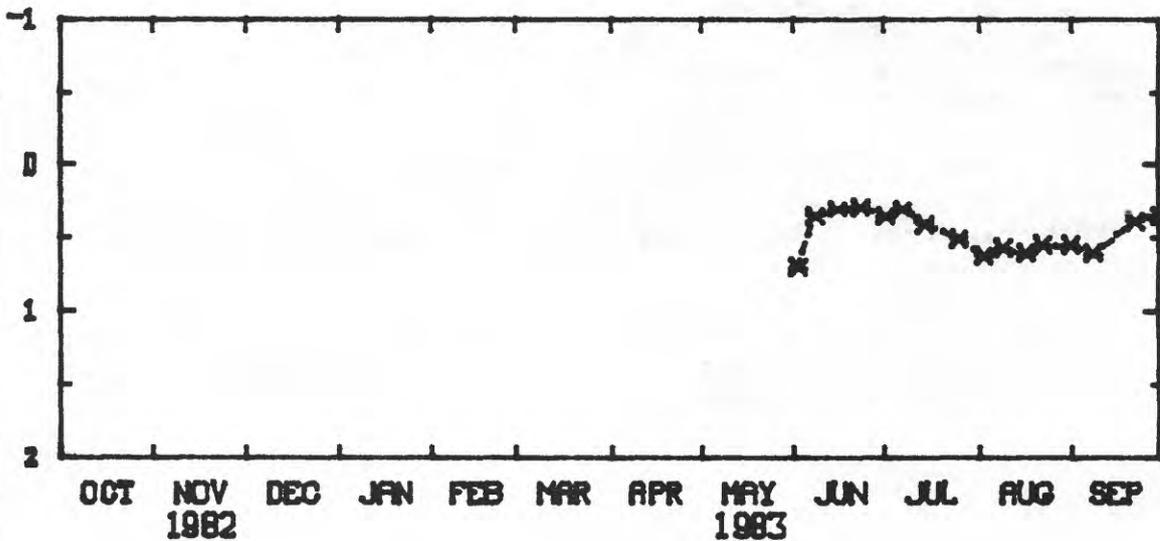
SBO1200424BACC1 029

WATER LEVEL, IN FT BELOW LSD



SBO1200424BDBC1 031

WATER LEVEL, IN FT BELOW LSD



610712149541701. Local number, SB01200424ABCC1 023.

LOCATION.--Lat 61°07'12", long 149°54'17", Hydrologic unit 19050002, in Klatt Bog, Anchorage.

Owner: U.S. Bureau of Land Management.

AQUIFER.--Peat of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 2 in, depth 9 ft, perforated 2 to 9 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by U.S. Geological Survey personnel.

DATUM.--Altitude of land surface is 69 ft (determined from topographic map).

PERIOD OF RECORD.--1983.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.92 ft below land-surface datum, Sep. 30, 1983; lowest measured, 1.91 ft below land-surface datum, Aug. 3, 1983.

610712149540401. Local number, SB01200424ABCD1 024.

LOCATION.--Lat 61°07'12", long 149°54'04", Hydrologic unit 19050002, in Klatt Bog, Anchorage.

Owner: U.S. Bureau of Land Management.

AQUIFER.--Peat of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 2 in, depth 9 ft, perforated 2 to 9 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by U.S. Geological Survey personnel.

DATUM.--Altitude of land surface is 69 ft (determined from topographic map).

PERIOD OF RECORD.--1983.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.83 ft below land-surface datum, Sep. 30, 1983; lowest measured, 1.68 ft below land-surface datum, Aug. 3, 1983.

610711149535101. Local number, SB01200424ACAA1 025.

LOCATION.--Lat 61°07'11", long 149°53'51", Hydrologic unit 19050002, in Klatt Bog, Anchorage.

Owner: U.S. Bureau of Land Management.

AQUIFER.--Peat of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 2 in, depth 9 ft, perforated 2 to 9 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by U.S. Geological Survey personnel.

DATUM.--Altitude of land surface is 72 ft (determined from topographic map).

PERIOD OF RECORD.--1983.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.42 ft below land-surface datum, May 12, 1983; lowest measured, 1.54 ft below land-surface datum, Aug. 3, 1983.

610705149535401. Local number, SB01200424ACAD1 026.

LOCATION.--Lat 61°07'05", long 149°53'54", Hydrologic unit 19050002, in Klatt Bog, Anchorage.

Owner: U.S. Bureau of Land Management.

AQUIFER.--Peat of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.5 in, depth 9 ft, perforated 2 to 9 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by U.S. Geological Survey personnel.

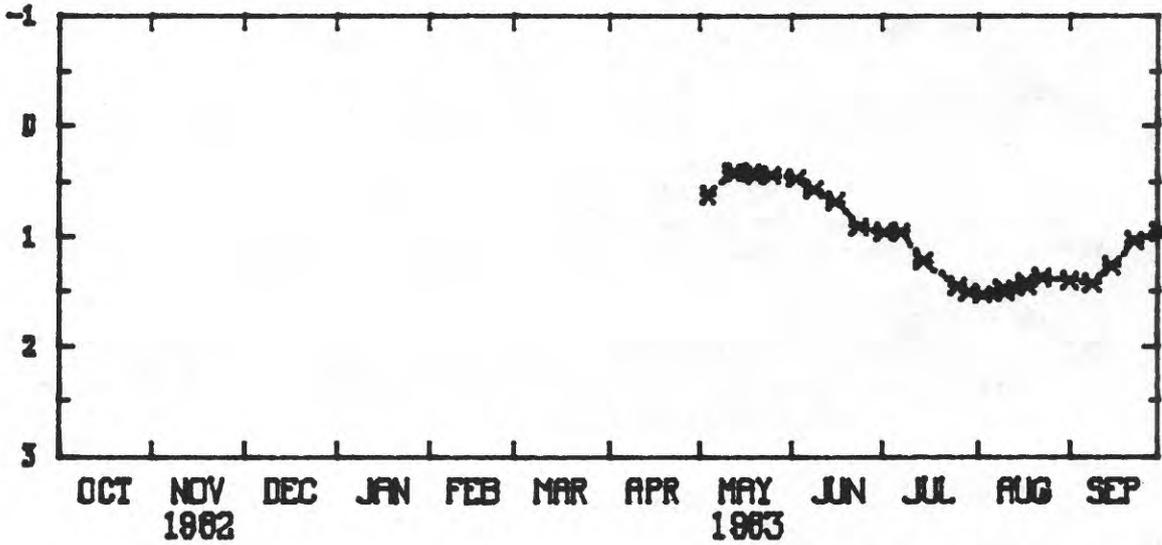
DATUM.--Altitude of land surface is 73 ft (determined from topographic map).

PERIOD OF RECORD.--1983.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.78 ft below land-surface datum, May 18, 1983; lowest measured, 1.69 ft below land-surface datum, Aug. 3, 1983.

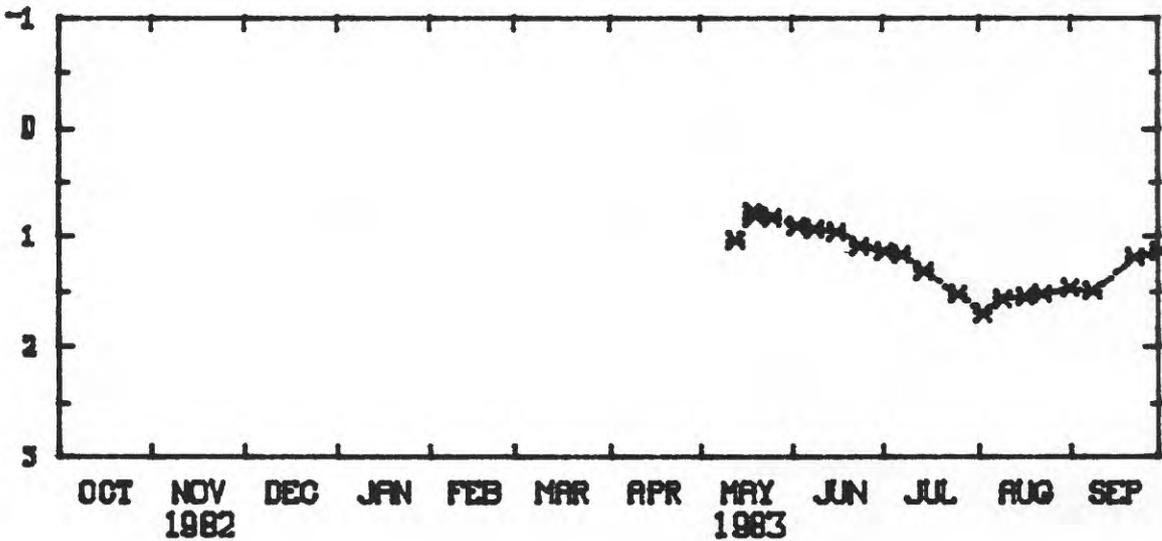
WATER LEVEL, IN FT BELOW LSD

SBO1200424ACAA1 025



WATER LEVEL, IN FT BELOW LSD

SBO1200424ACAD1 026



610706149541701. Local number, SB01200424ACBC1 027.

LOCATION.--Lat 61°07'06", long 149°54'17", Hydrologic unit 19050002,
in Klatt Bog, Anchorage.

Owner: U.S. Bureau of Land Management.

AQUIFER.--Peat of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 1.25 in, depth 9 ft, perforated 2
to 9 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape by
U.S. Geological Survey personnel.

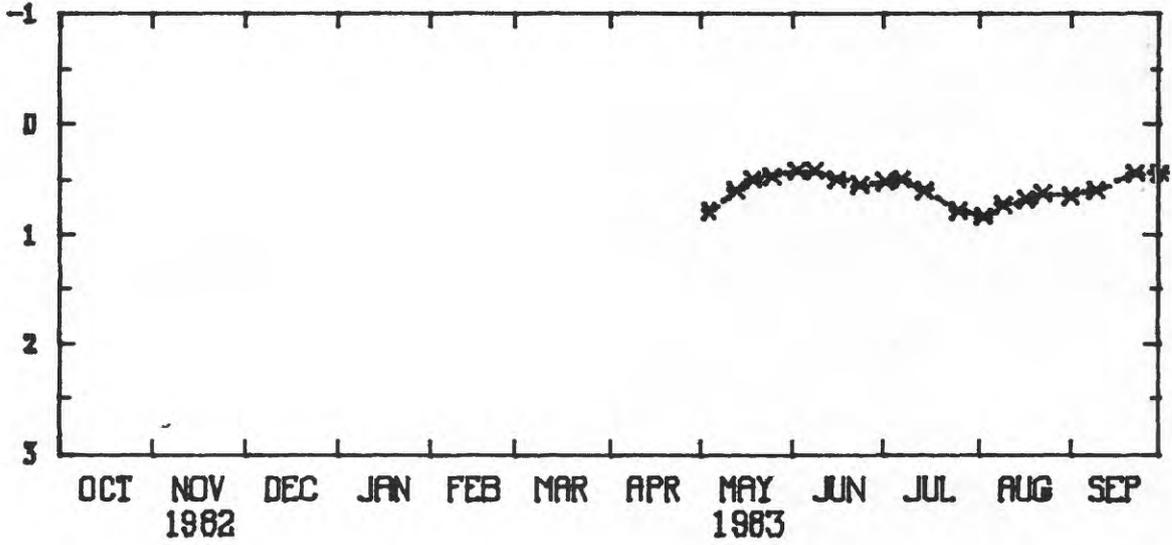
DATUM.--Altitude of land surface is 69 ft (determined from topo-
graphic map).

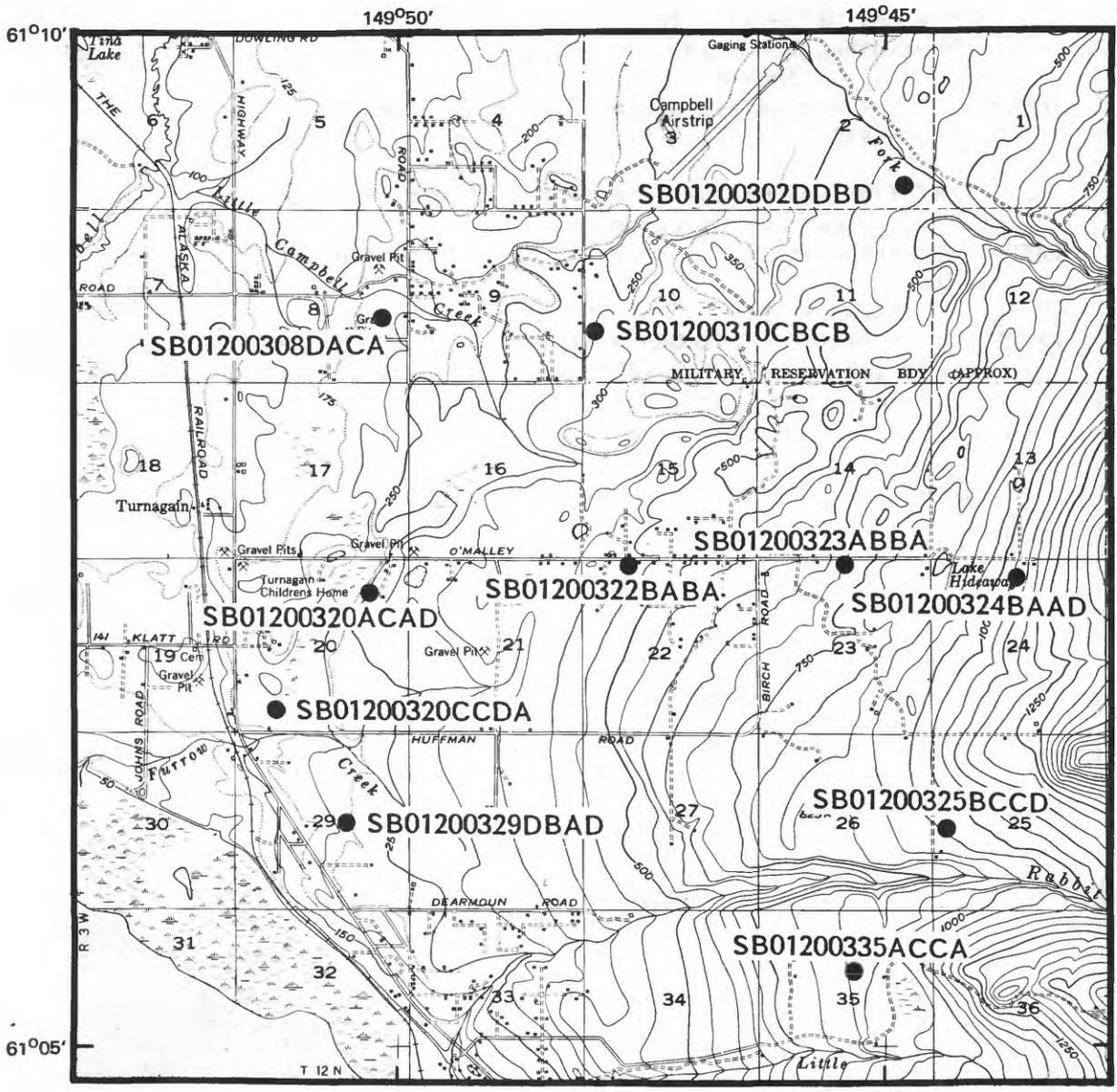
PERIOD OF RECORD.--1983.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.43 ft
below land-surface datum, June 2, 1983; lowest measured, 0.84 ft
below land-surface datum, Aug. 3, 1983.

SB01200424ACBC1 027

WATER LEVEL, IN FT BELOW LSD





Location of wells on pages 178 - 189.

610917149444701. Local number, SB01200302DDBD1 001.

LOCATION.--Lat 61°09'17", long 149°44'47", Hydrologic unit 19050002,
Stuckagain Heights Road, near South Fork Campbell Creek, Anchorage.
Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 6 in, depth 260 ft, screened 173 to
200 ft.

INSTRUMENTATION.--Semi-annual measurement with chalked steel tape by
U.S. Geological Survey personnel.

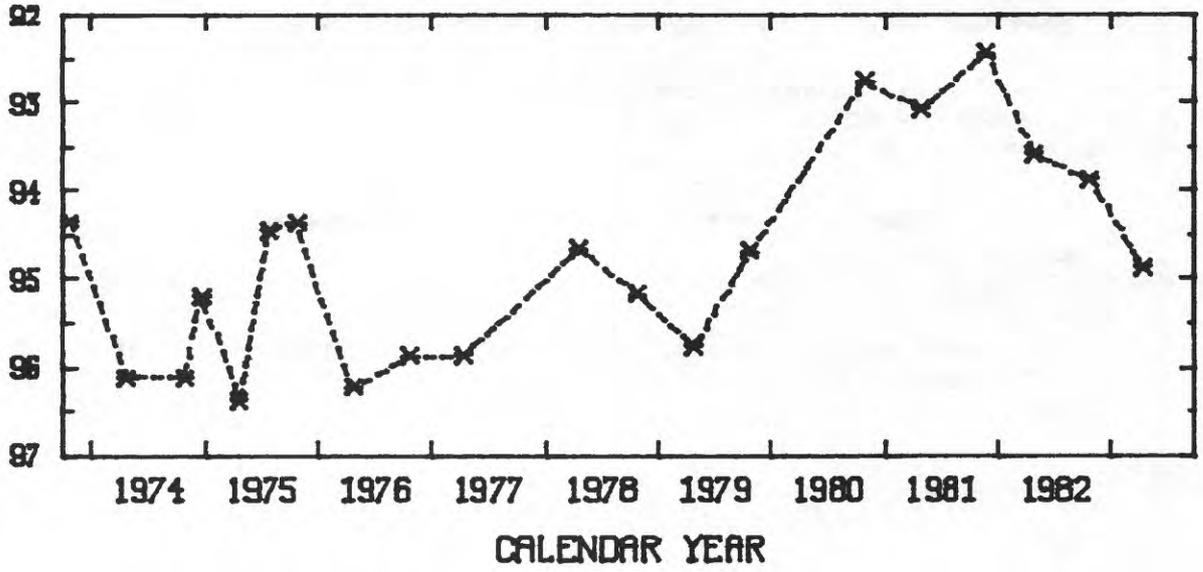
DATUM.--Altitude of land surface is 395 ft (determined from topo-
graphic map).

PERIOD OF RECORD.--1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.43 ft
below land-surface datum, Nov. 20, 1981; lowest measured, 99.64 ft
below land-surface datum, June 15, 1978.

SB0120030200B01 001

WATER LEVEL, IN FT BELOW LSD



610825149501001. Local number, SB01200308DAC1 025.

LOCATION.--Lat 61°08'35", long 149°50'10", Hydrologic unit 19050002,
2347 East 86th Court, near Lake Otis Parkway, Anchorage.

Owner: Jake and Warner Anderson.

AQUIFER.--Sandy gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 6 in, depth 153 ft.

INSTRUMENTATION.--Monthly measurement with chalked steel tape by U.S.
Geological Survey personnel.

DATUM.--Altitude of land surface is 195 ft (determined from topo-
graphic map).

PERIOD OF RECORD.--1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.08 ft
below land-surface datum, Feb. 18, 1981; lowest measured, 91.51 ft
below land-surface datum, June 24, 1983.

REMARKS.--Water is pumped from the well for domestic uses.

610835149480401. Local number, SB01200310CBCB1 029.

LOCATION.--Lat 61°08'35", long 149°48'04", Hydrologic unit 19050002,
8640 Solar Drive, Anchorage.

Owner: Norman Hudec.

AQUIFER.--Gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 6 in, depth 162 ft.

INSTRUMENTATION.--Monthly measurement with chalked steel tape by U.S.
Geological Survey personnel.

DATUM.--Altitude of land surface is 275 ft (determined from topo-
graphic map).

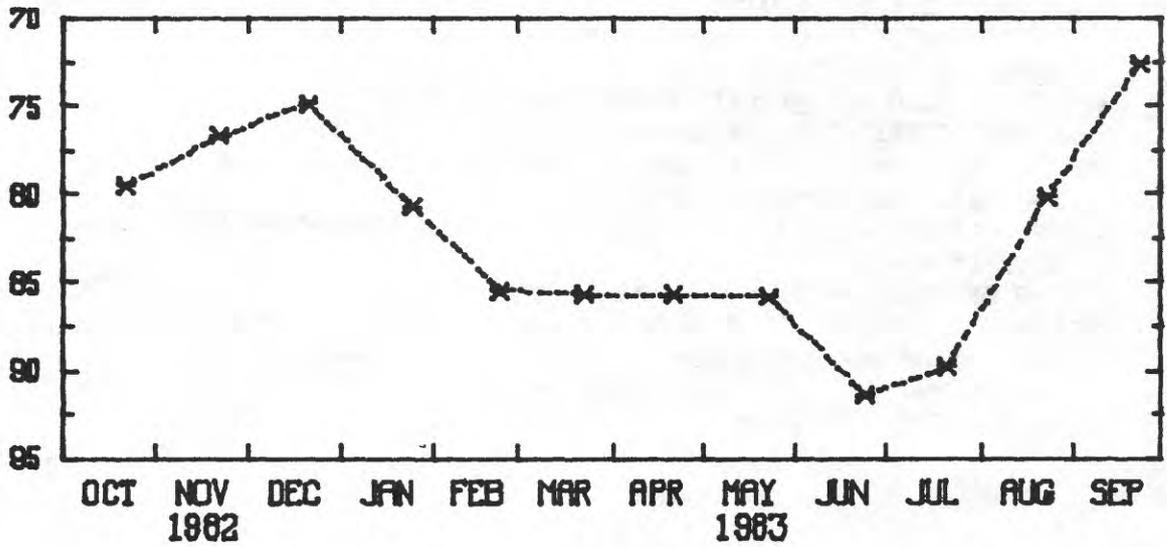
PERIOD OF RECORD.--1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 99.78 ft
below land-surface datum, Dec. 19, 1979; lowest measured, 117.75 ft
below land-surface datum, Apr. 21, 1983.

REMARKS.--Water is pumped from the well for domestic uses.

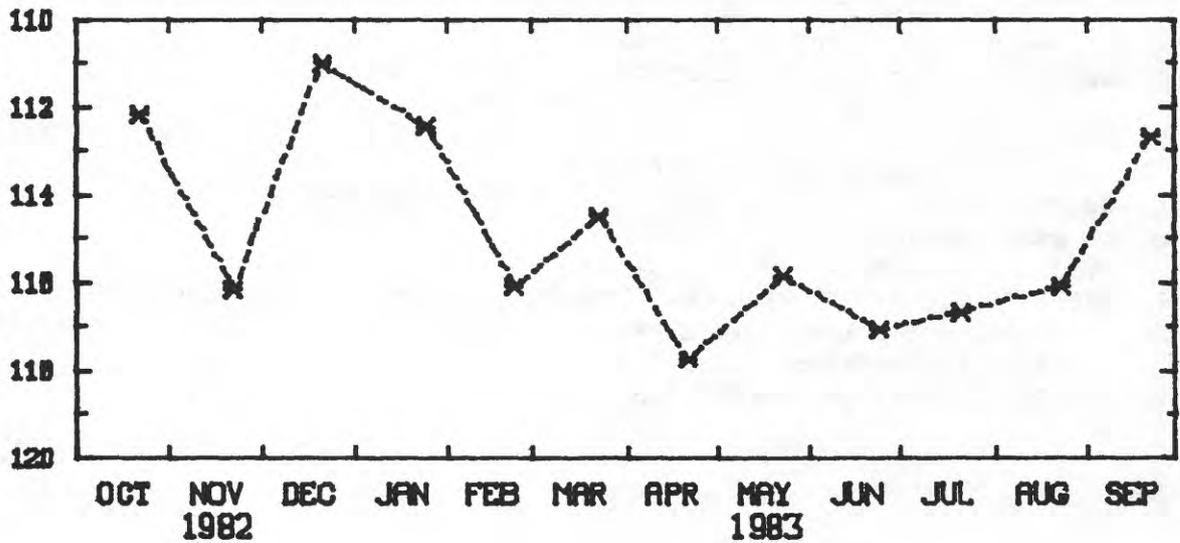
SBO1200308DAGA1 025

WATER LEVEL, IN FT BELOW LSD



SBO1200310CBCB1 029

WATER LEVEL, IN FT BELOW LSD



610707149502501. Local number, SB01200320ACAD1 028.

LOCATION.--Lat 61°07'07", long 149°50'25", Hydrologic unit 19050002, 11220 Reader Road, near Forest Drive, Anchorage.

Owner: William Dewey.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 6 in, depth 236 ft.

INSTRUMENTATION.--Monthly measurement with chalked steel tape by U.S. Geological Survey personnel.

DATUM.--Altitude of land surface is 250 ft (determined from topographic map).

PERIOD OF RECORD.--1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 72.50 ft below land-surface datum, Oct. 22, 1982; lowest measured, 87.35 ft below land-surface datum, June 24, 1983.

REMARKS.--Water is pumped from the well for domestic uses.

610723149473001. Local number, SB01200322BABA1 005.

LOCATION.--Lat 61°07'23", long 149°47'30", Hydrologic unit 19050002, 4700 O'Malley Road, near Lipscomb Street, Anchorage.

Owner: John Clare.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 6 in, depth 230 ft.

INSTRUMENTATION.--Semi-annual measurement with chalked steel tape by U.S. Geological Survey personnel.

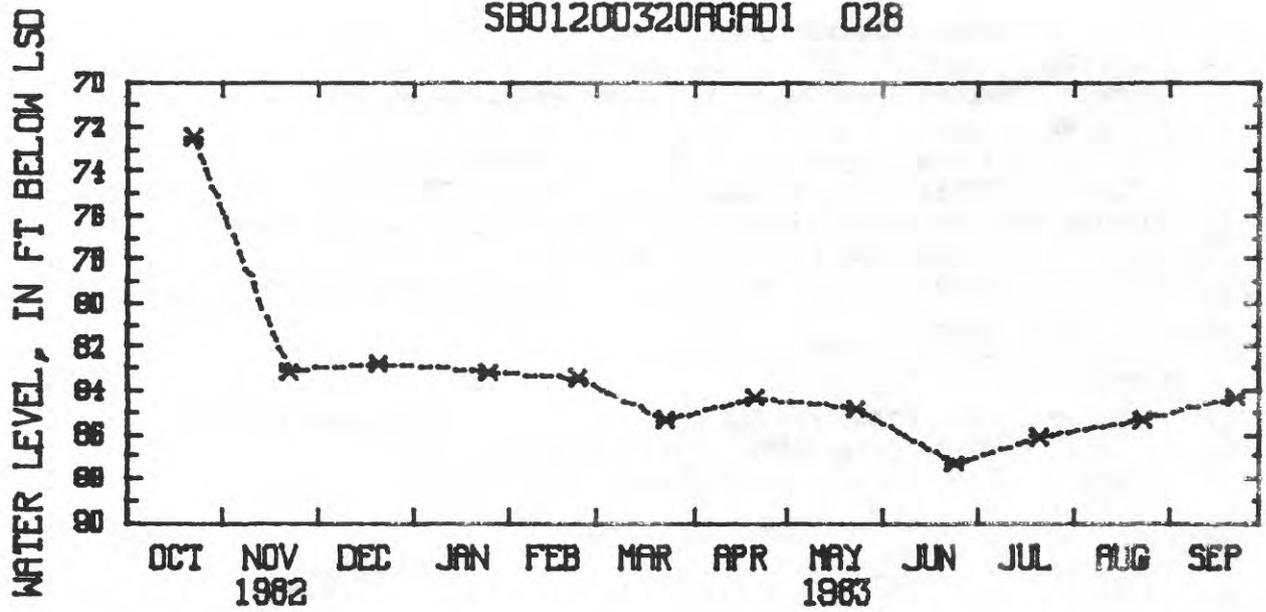
DATUM.--Altitude of land surface is 412 ft (determined from topographic map).

PERIOD OF RECORD.--1969 to current year.

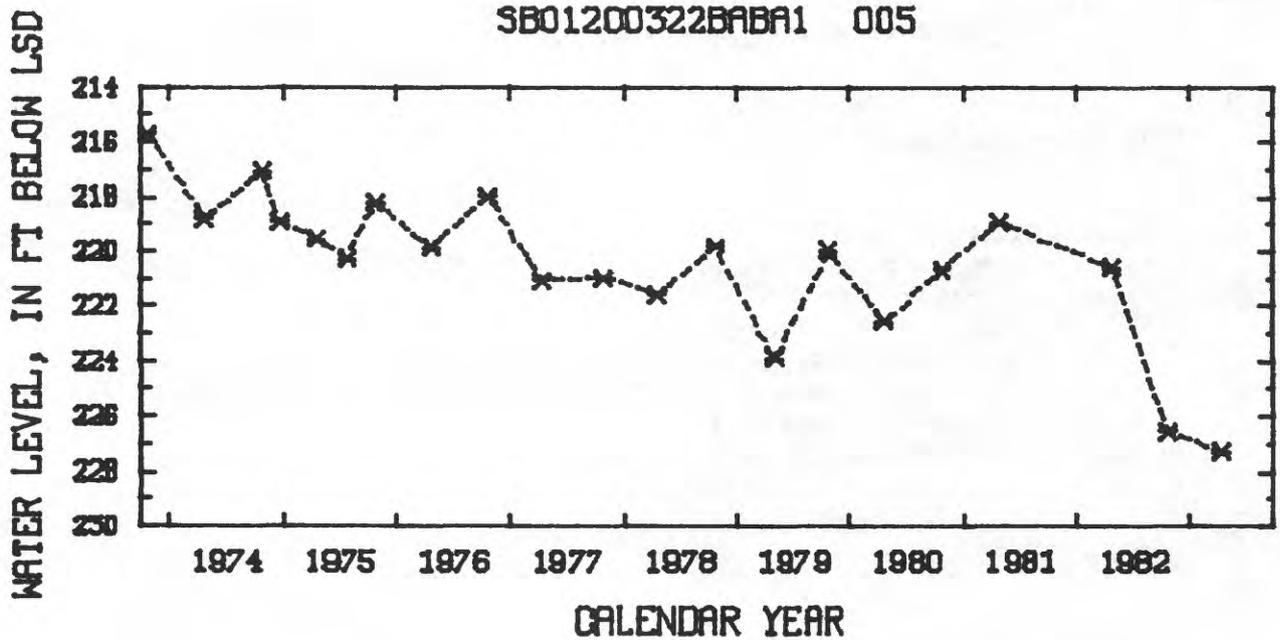
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 211.80 ft below land-surface datum, Feb. 19, 1970; lowest measured, 227.32 ft below land-surface datum, Apr. 14, 1983.

REMARKS.--Water is pumped from the well for domestic uses.

SB01200320AGAD1 028



SB01200322BABA1 005

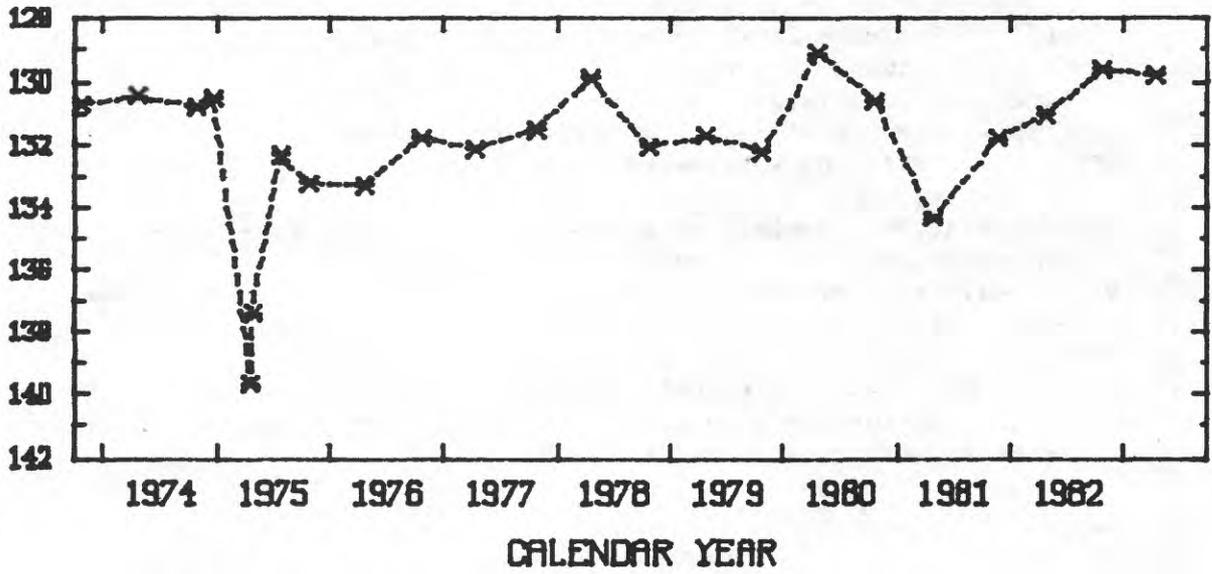


610724149451701. Local number, SB01200323ABBA1 015.
LOCATION.--Lat 61°07'24", long 149°45'17", Hydrologic unit 19050002,
near O'Malley Road and Ridgecrest Drive, Anchorage.
Owner: Garnet Roehm.
AQUIFER.--Unknown deposits of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 170 ft.
INSTRUMENTATION.--Semi-annual measurement with chalked steel tape by
U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 722 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1969 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 123.64 ft
below land-surface datum, Apr. 23, 1969; lowest measured, 139.67 ft
below land-surface datum, Apr. 23, 1975.
REMARKS.--Water is pumped from the well for domestic uses.

610720149434201. Local number, SB01200324BAAD1 015.
LOCATION.--Lat 61°07'20", long 149°43'42", Hydrologic unit 19050002,
on Upper O'Malley Road and Trails End Road, Anchorage.
Owner: Wayne Boedecker.
AQUIFER.--Fractured bedrock.
WELL CHARACTERISTICS.--Diameter 6 in, depth 75 ft, open 24 to 75 ft.
INSTRUMENTATION.--Semi-annual measurement with chalked steel tape by
U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 1,060 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.65 ft
below land-surface datum, Apr. 22, 1978; lowest measured, 25.88 ft
below land-surface datum, Apr. 25, 1972.
REMARKS.--Water is pumped from the well for domestic uses.

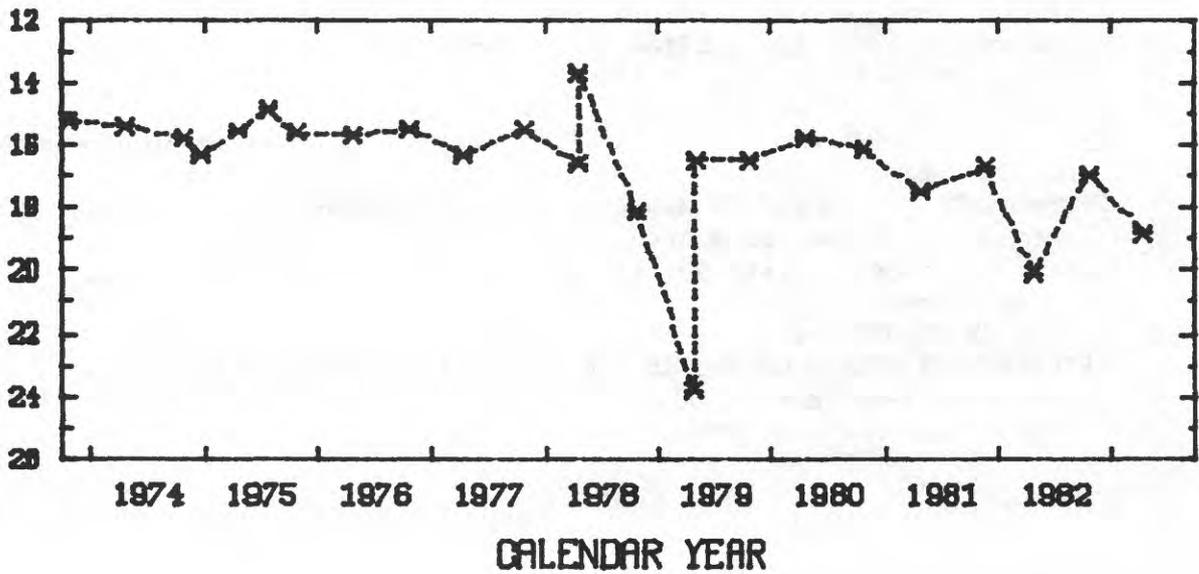
SB01200323ABBA1 015

WATER LEVEL, IN FT BELOW LSD



SB01200324BAAD1 015

WATER LEVEL, IN FT BELOW LSD

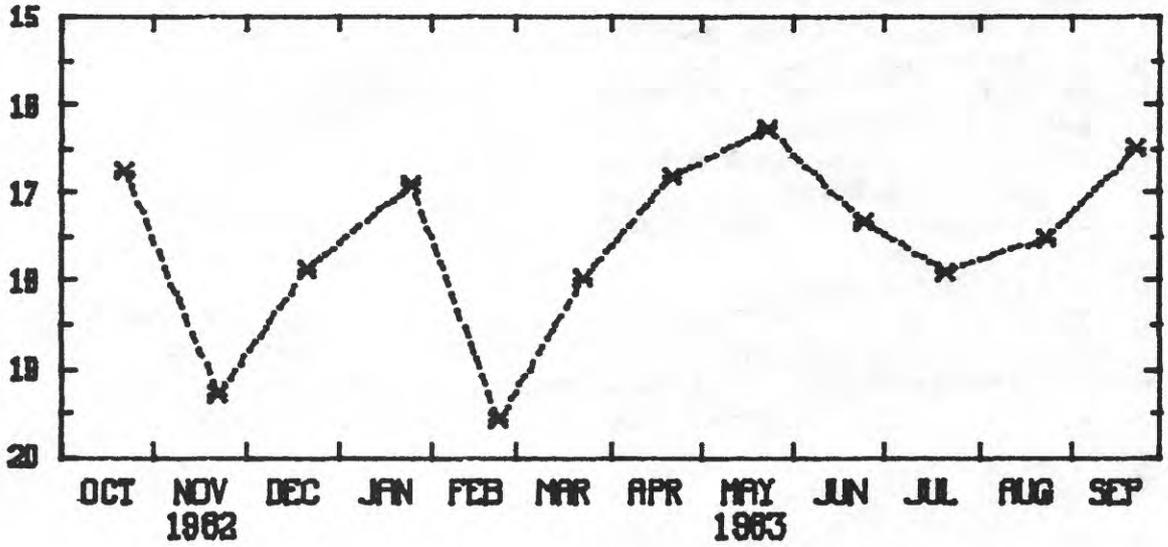


610638149512201. Local number, SB01200320CCDA1 026.
LOCATION.--Lat 61°06'38", long 149°51'22", Hydrologic unit 19050002,
Huffman Business Park, on Huffman Park Drive between Old and New
Seward Highways, Anchorage.
Owner: Carr-Gottstein.
AQUIFER.--Clay and silt of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 298 ft, perforated 297
to 298 ft.
INSTRUMENTATION.--Monthly measurement with chalked steel tape by U.S.
Geological Survey personnel.
DATUM.--Altitude of land surface is 160 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1974 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.61 ft
below land-surface datum, May 20, 1980; lowest measured, 19.58 ft
below land-surface datum, Feb. 23, 1983.

610600149501801. Local number, SB01200329DBAD1 016.
LOCATION.--Lat 61°06'03", long 149°50'26", Hydrologic unit 19050002,
South Manor Well #1, off Elmhurst Drive, Hamilton Drive, and Old
Seward Highway, in Hamilton Park, Anchorage.
Owner: Municipality of Anchorage.
AQUIFER.--Sand of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 10 in, depth 140 ft, screened 130
to 140 ft.
INSTRUMENTATION.--Monthly measurement with chalked steel tape by U.S.
Geological Survey personnel.
DATUM.--Altitude of land surface is 200 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 82.46 ft
below land-surface datum, Dec. 27, 1973; lowest measured, 104.61 ft
below land-surface datum, June 24, 1983.

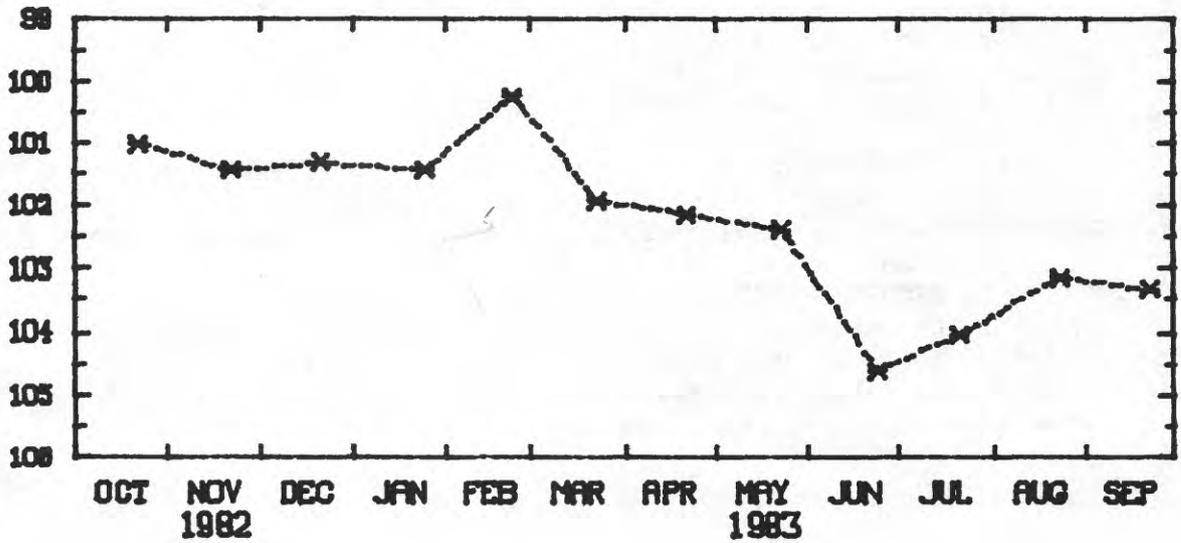
SBO1200320CCDA1 026

WATER LEVEL, IN FT BELOW LSD



SBO1200329DBAD1 016

WATER LEVEL, IN FT BELOW LSD

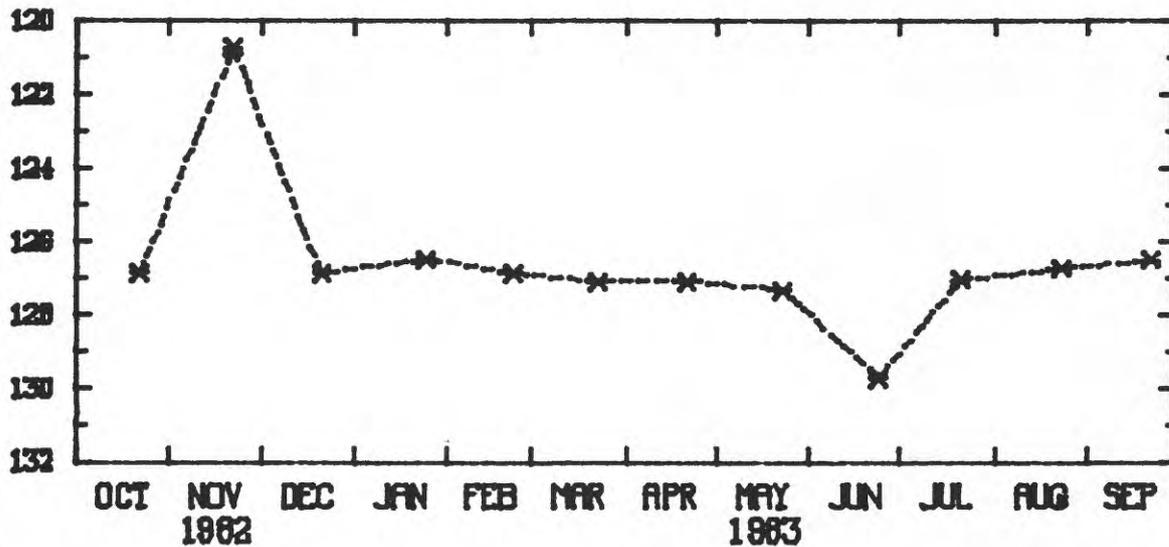


610608149442301. Local number, SB01200325BCCD1 028.
LOCATION.--Lat 61°06'08", long 149°44'23", Hydrologic unit 19050002,
13140 Midori Drive, near Upper DeArmoun Road, Anchorage.
Owner: Robert Laughlin.
AQUIFER.--Sandy and silty gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 173 ft.
INSTRUMENTATION.--Monthly measurement with chalked steel tape by U.S.
Geological Survey personnel.
DATUM.--Altitude of land surface is 970 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured,
120.74 ft below land-surface datum, Nov. 22, 1982; lowest
measured, 132.57 ft below land-surface datum, Mar. 22, 1982.
REMARKS.--Water is pumped from the well for domestic uses.

610520149451601. Local number, SB01200335ACCA2 015.
LOCATION.--Lat 61°05'20", long 149°45'16", Hydrologic unit 19050002,
Upper Rabbit Creek, 6700 Fernwood Drive, Anchorage.
Owner: Jon Severson.
AQUIFER.--Fractured bedrock.
WELL CHARACTERISTICS.--Diameter 6 in, depth 190 ft, open 115 to
190 ft.
INSTRUMENTATION.--Monthly measurement with chalked steel tape by U.S.
Geological Survey personnel.
DATUM.--Altitude of land surface is 910 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured,
105.52 ft below land-surface datum, Nov. 24, 1980; lowest
measured, 128.32 ft below land-surface datum, Aug. 23, 1982.
REMARKS.--Water is pumped from the well for domestic uses.

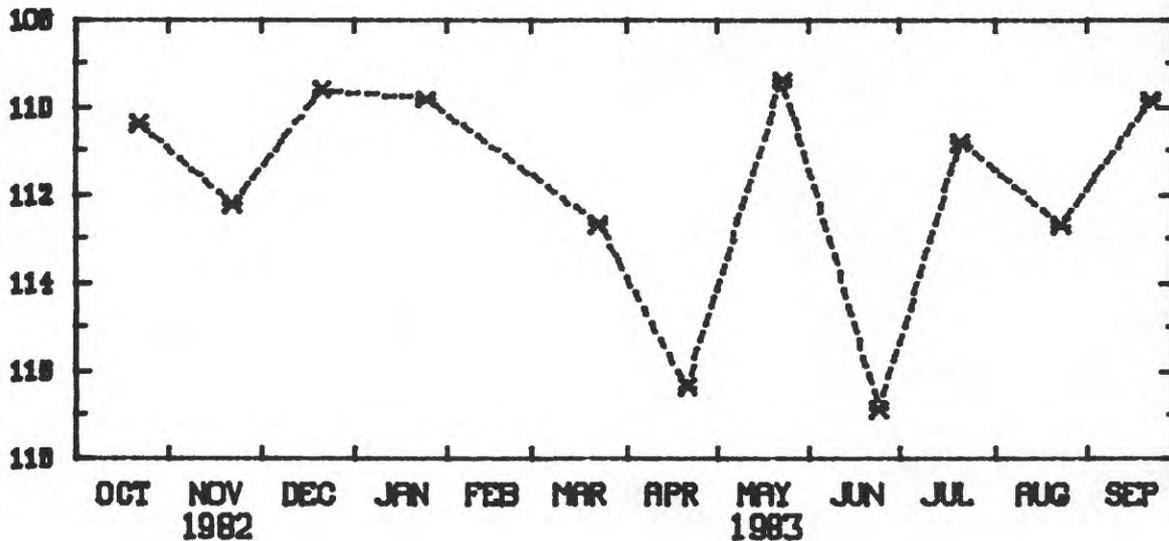
SB01200325BC001 028

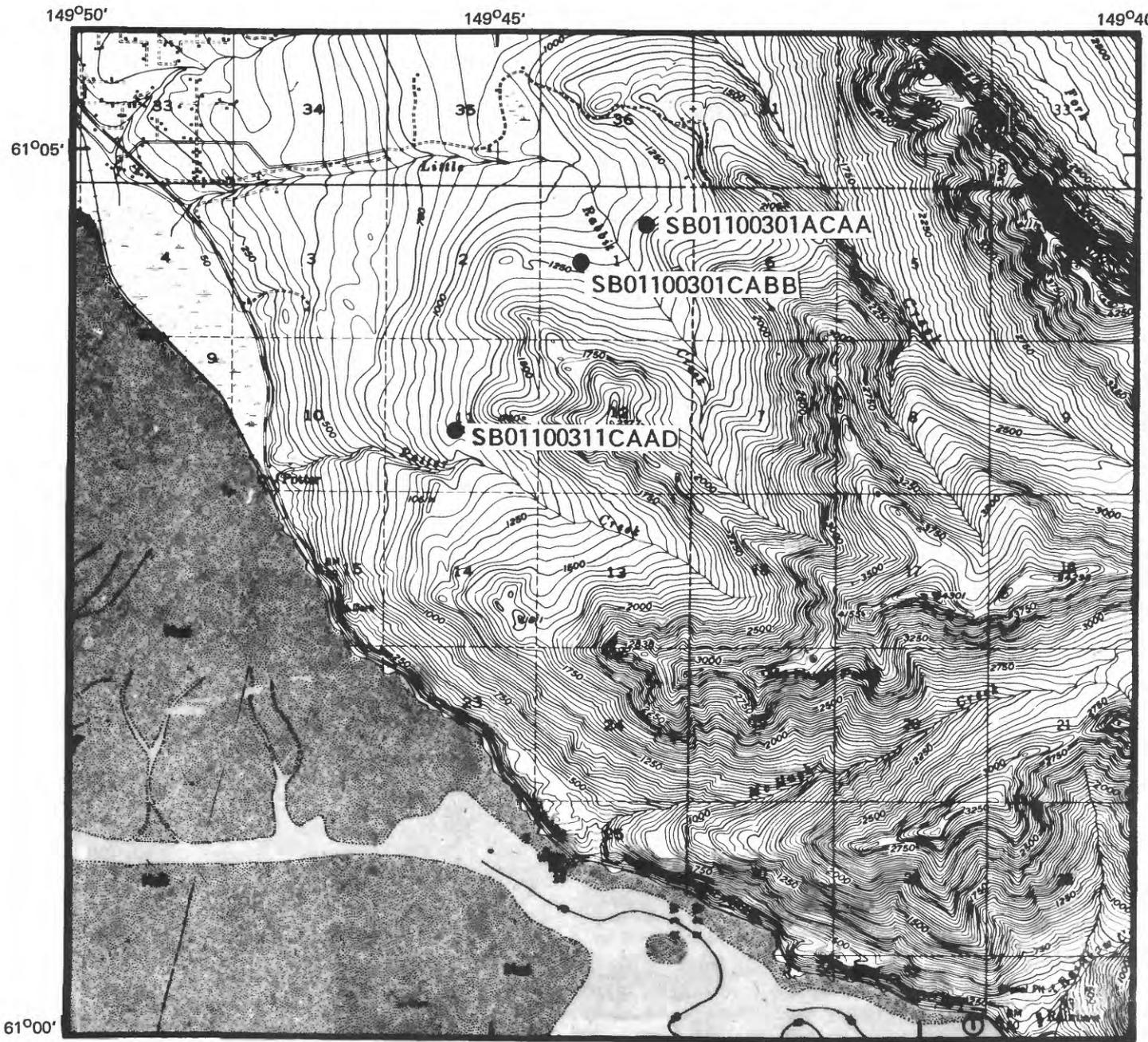
WATER LEVEL, IN FT BELOW LSD



SB01200335ACCA2 015

WATER LEVEL, IN FT BELOW LSD





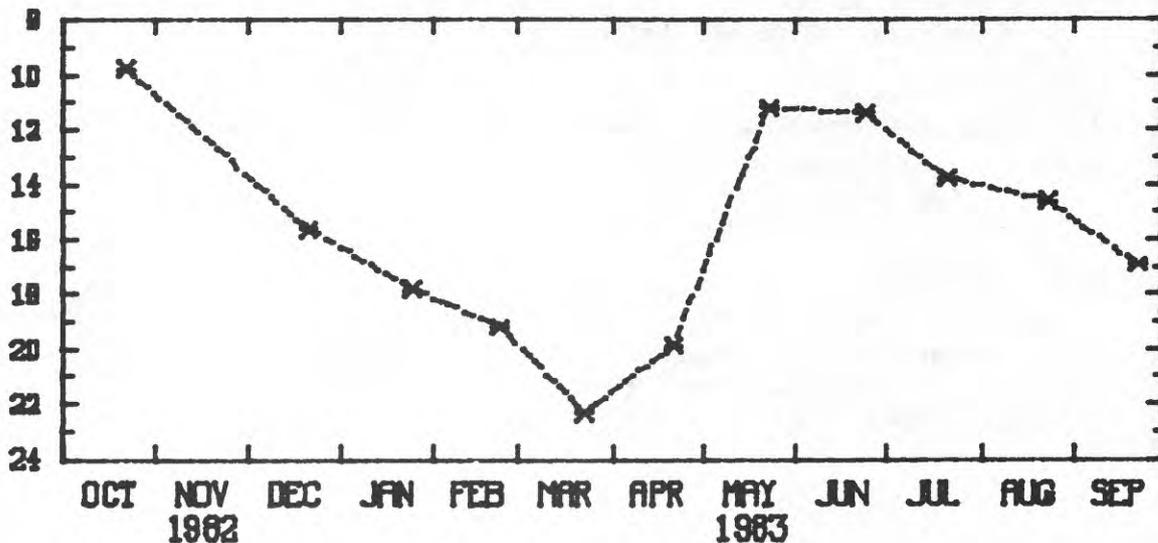
Location of wells on pages 192 - 195.

610434149431501. Local number, SB01100301ACAA1 025.
LOCATION.--Lat 61°04'34", long 149°43'15", Hydrologic unit 19050002,
Little Rabbit Creek Valley, near Leo and Genevieve Streets,
Anchorage.
Owner: Douglas Lewsader.
AQUIFER.--Fractured bedrock.
WELL CHARACTERISTICS.--Diameter 6 in, depth 155 ft, open 15 to 155 ft.
INSTRUMENTATION.--Monthly measurement with chalked steel tape by U.S.
Geological Survey personnel.
DATUM.--Altitude of land surface is 1,280 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.99 ft
below land-surface datum, Sep. 24, 1982; lowest measured, 22.30 ft
below land-surface datum, Mar. 23, 1983.
REMARKS.--Water is pumped from the well for domestic uses.

610422149440101. Local number, SB01100301CABB1 024.
LOCATION.--Lat 61°04'22", long 149°44'01", Hydrologic unit 19050002,
Little Rabbit Creek Valley, 7840 Marino Drive, Anchorage.
Owner: Wolfgang and Kathy Steinborn.
AQUIFER.--Gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 58 ft.
INSTRUMENTATION.--Monthly measurement with chalked steel tape by U.S.
Geological Survey personnel.
DATUM.--Altitude of land surface is 1,215 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.27 ft
above land-surface datum, Sep. 3, 1981; lowest measured, 12.25 ft
below land-surface datum, June 24, 1983.
REMARKS.--Water is pumped from the well for domestic uses.

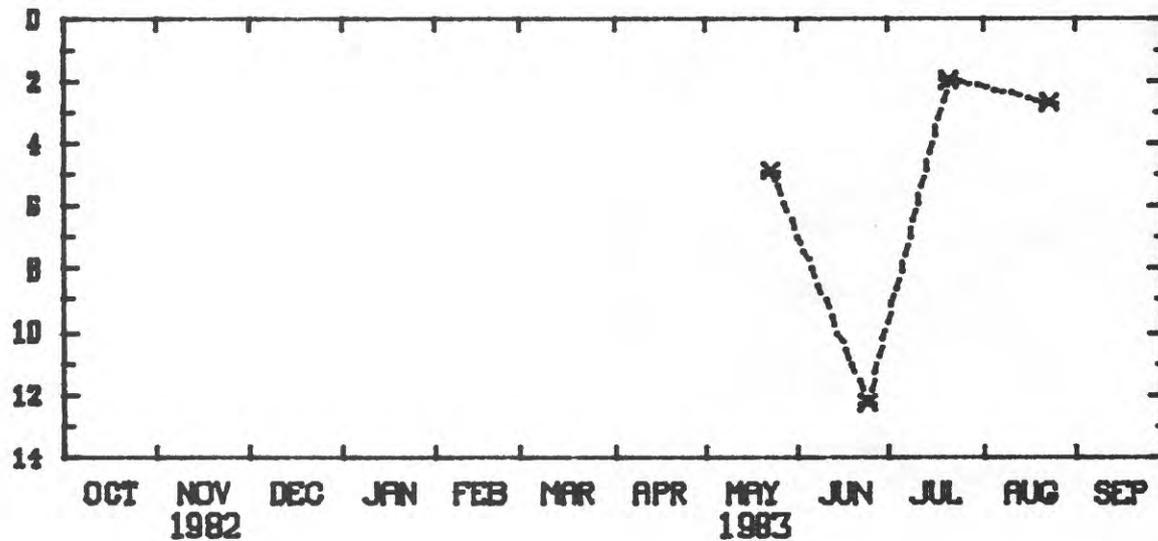
SB01100301ACAA1 025

WATER LEVEL, IN FT BELOW LSD



SB01100301CABB1 024

WATER LEVEL, IN FT BELOW LSD



610326149452901. Local number, SB01100311CAAD2 003.

LOCATION.--Lat 61°03'26", long 149°45'29", Hydrologic unit 19050002,
6510 Switzerland Drive, Anchorage.

Owner: Jon Olsen.

AQUIFER.--Bedrock.

WELL CHARACTERISTICS.--Diameter 6 in, depth 150 ft, open 28 to 150 ft.

INSTRUMENTATION.--Monthly measurement with chalked steel tape by U.S.
Geological Survey personnel.

DATUM.--Altitude of land surface is 1,020 ft (determined from topo-
graphic map).

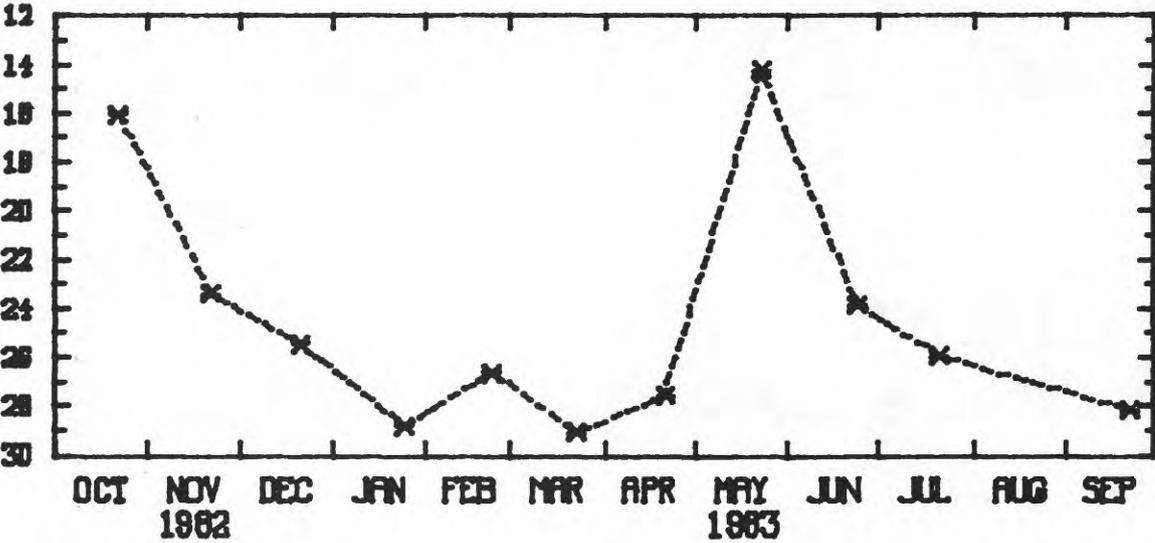
PERIOD OF RECORD.--1981 to current year.

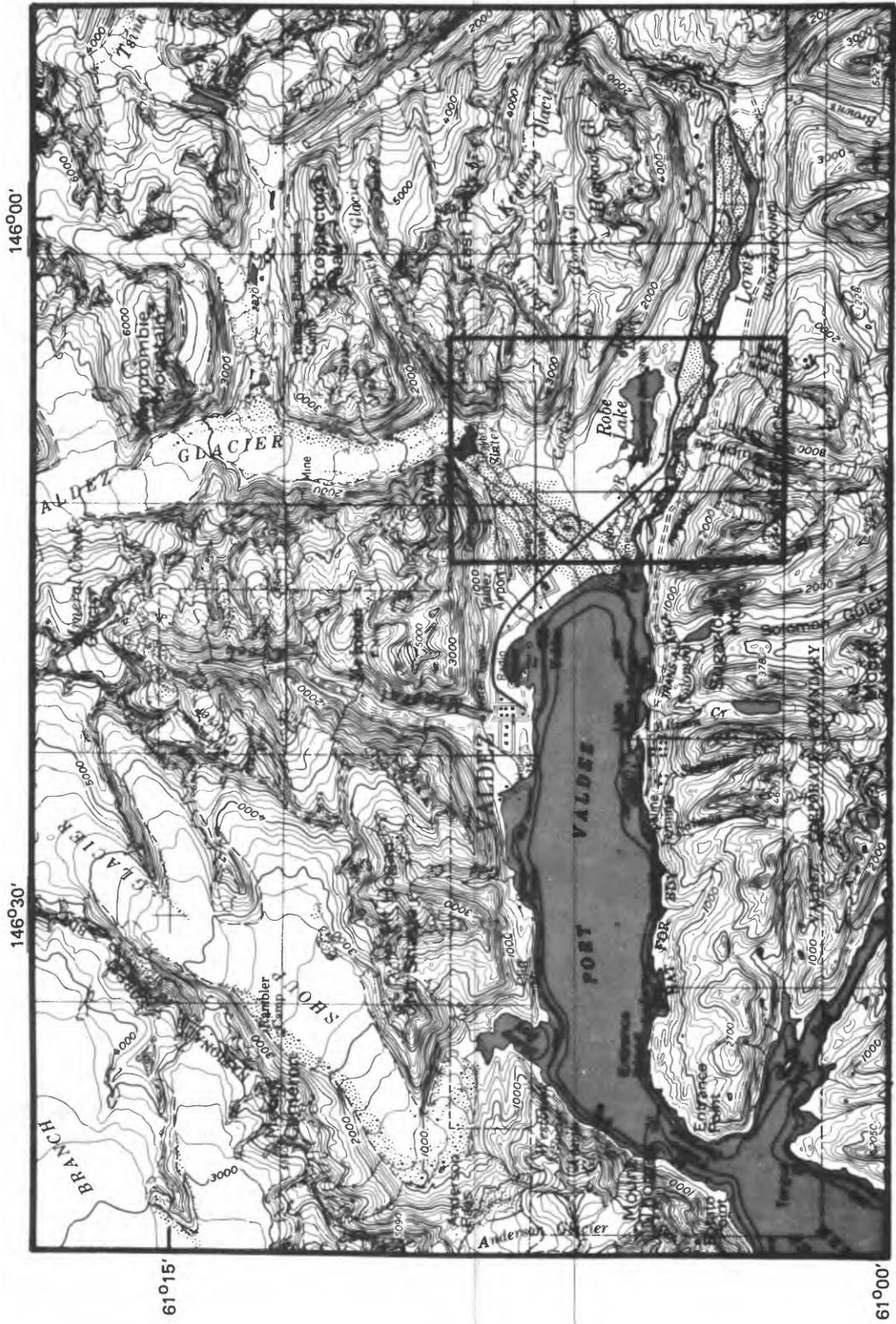
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.26 ft
below land-surface datum, May 23, 1983; lowest measured, 40.35 ft
below land-surface datum, Apr. 22, 1982.

REMARKS.--Water is pumped from the well for domestic uses.

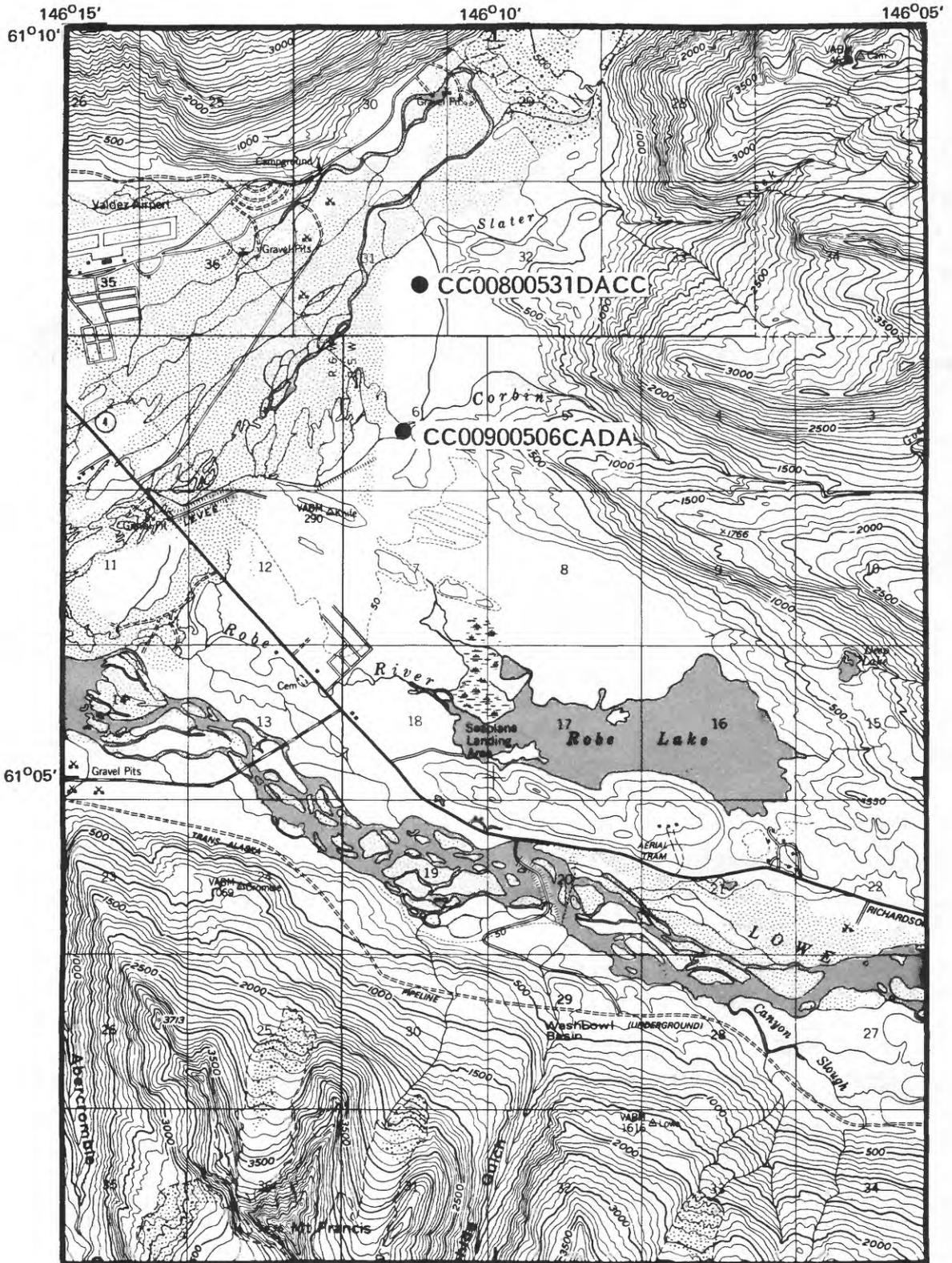
SBO1100311CRAD2 003

WATER LEVEL, IN FT BELOW LSD





Valdez area. Index to map on page 197.



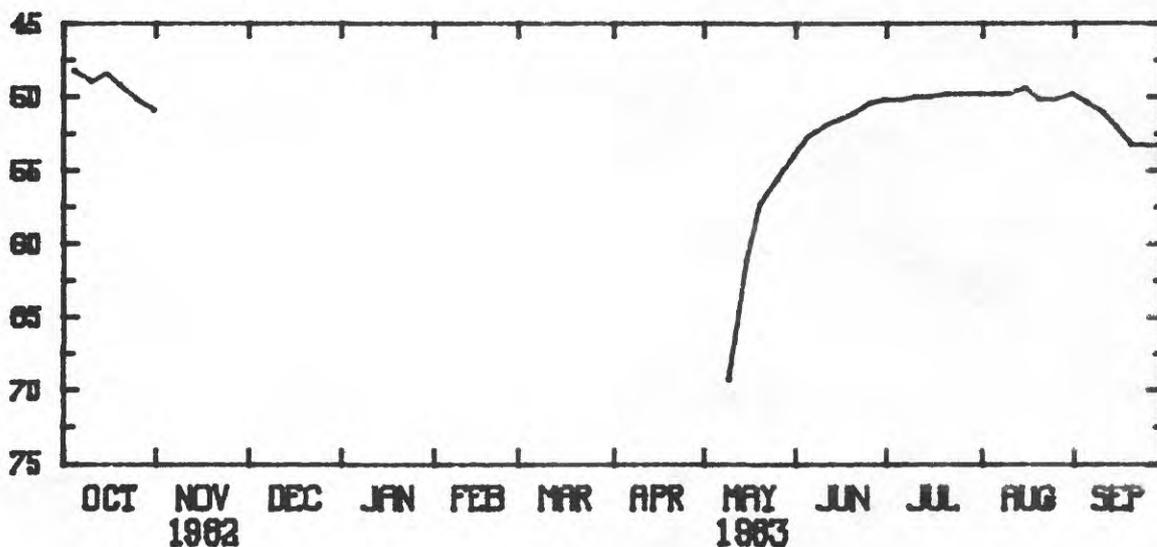
Location of wells on pages 198 and 199.

610745146105001. Local number, CC00800531DACCI 001.
LOCATION.--Lat 61°07'45", long 146°10'50", Hydrologic unit 19050003,
2 mi east of Valdez airport.
Owner: The Alpetco Company.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 76 ft, sediment in well
to about 75 ft.
INSTRUMENTATION.--Continuous strip-chart recorder.
DATUM.--Altitude of land surface is 154.8 ft (determined from levels
survey).
PERIOD OF RECORD.--October 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 42.07 ft below
land-surface datum, Aug. 17, 1981; dry at about 75 ft Mar. 12 to
to May 7, 1981, latter part of Jan. to Apr. or May 1982 and
Jan. 21 to May 8, 1983.

610645146105701. Local number, CC00900506CADA1 001.
LOCATION.--Lat 61°06'54", long 146°10'57", Hydrologic unit 19050003,
2.2 mi southeast of Valdez airport.
Owner: The Alpetco Company.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, hole depth 85 ft, cased to
56 ft.
INSTRUMENTATION.--Continuous strip-chart recorder.
DATUM.--Altitude of land surface is 84.6 ft (determined from levels
survey).
PERIOD OF RECORD.-- October 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.27 ft above
land-surface datum, Aug. 7, 1981; lowest recorded, 24.79 ft below
land-surface datum, Apr. 16-19, 1983.

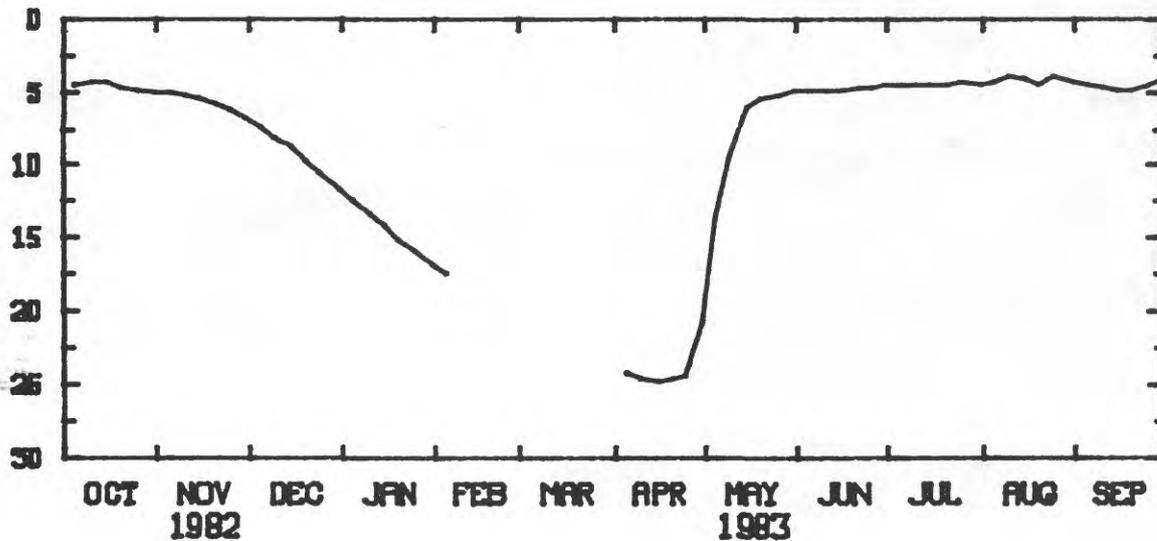
CC00800531DACC1 001

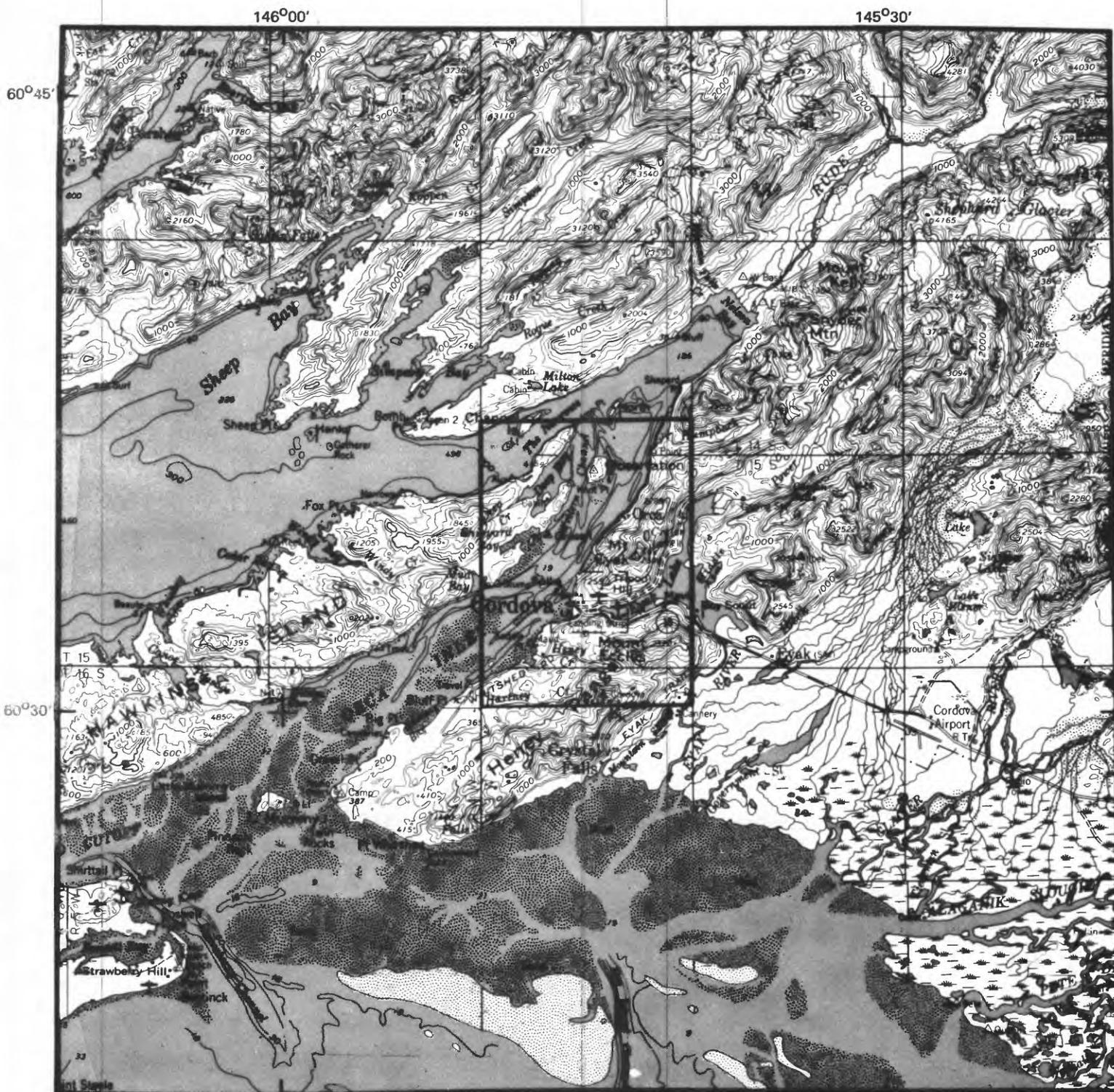
WATER LEVEL, IN FT BELOW LSD



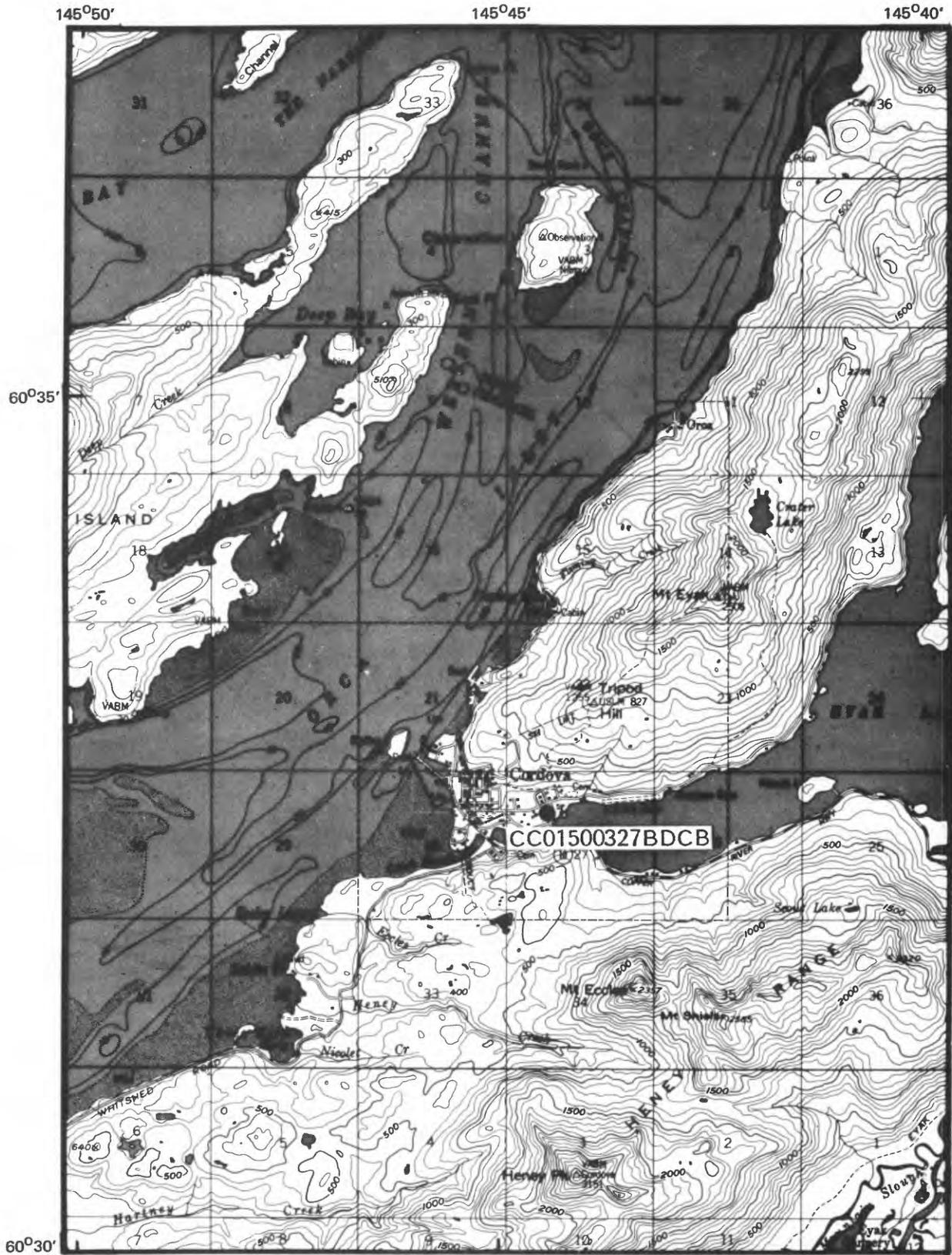
CC00900506CADR1 001

WATER LEVEL, IN FT BELOW LSD





Cordova area. Index to map on page 201.

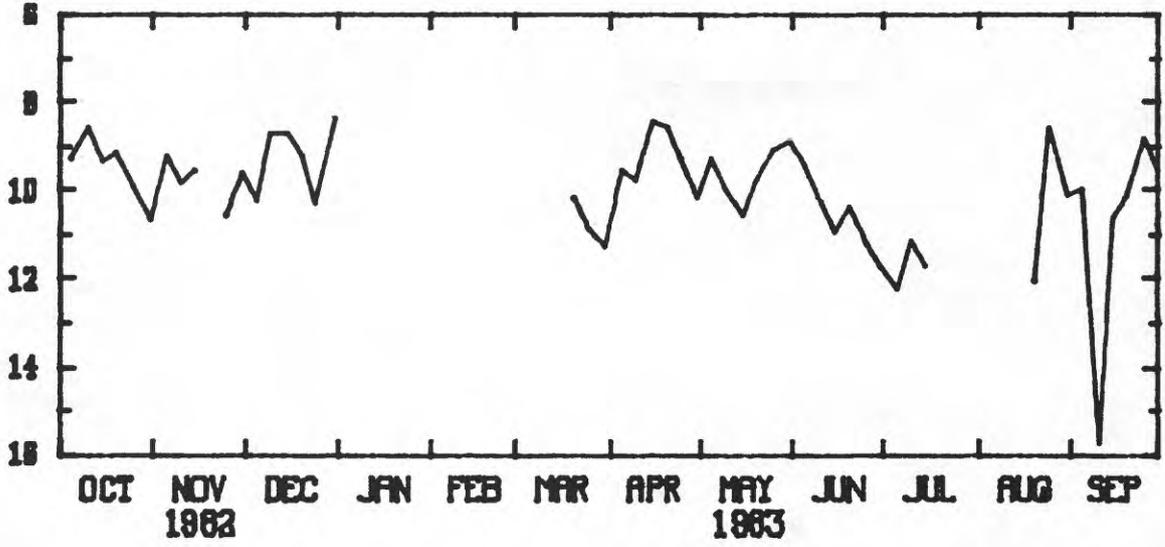


Location of well on pages 202 and 203.

603228145442601. Local number, CC01500327BDCB1 004.
LOCATION.--Lat 60°32'28", long 145°44'26", Hydrologic unit 19050003,
Lefevre Street near west end of Eyak Lake, Cordova.
Owner: City of Cordova.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 10 in, depth 82 ft, backfilled to
71 ft, screened 48.5 to 71 ft.
INSTRUMENTATION.--Continuous strip-chart recorder.
DATUM.--Altitude of land surface is 32 ft (determined from topo-
graphic map).
PERIOD OF RECORD.--February 1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 5.60 ft below
land-surface datum, Aug. 15 and 16, 1981; lowest, 46.88 ft below
land-surface datum, Dec. 28, 1975.
REMARKS.--Water levels are affected by pumping of nearby wells.

CG0150032780081 004

WATER LEVEL, IN FT BELOW LSD



135°00'

135°30'

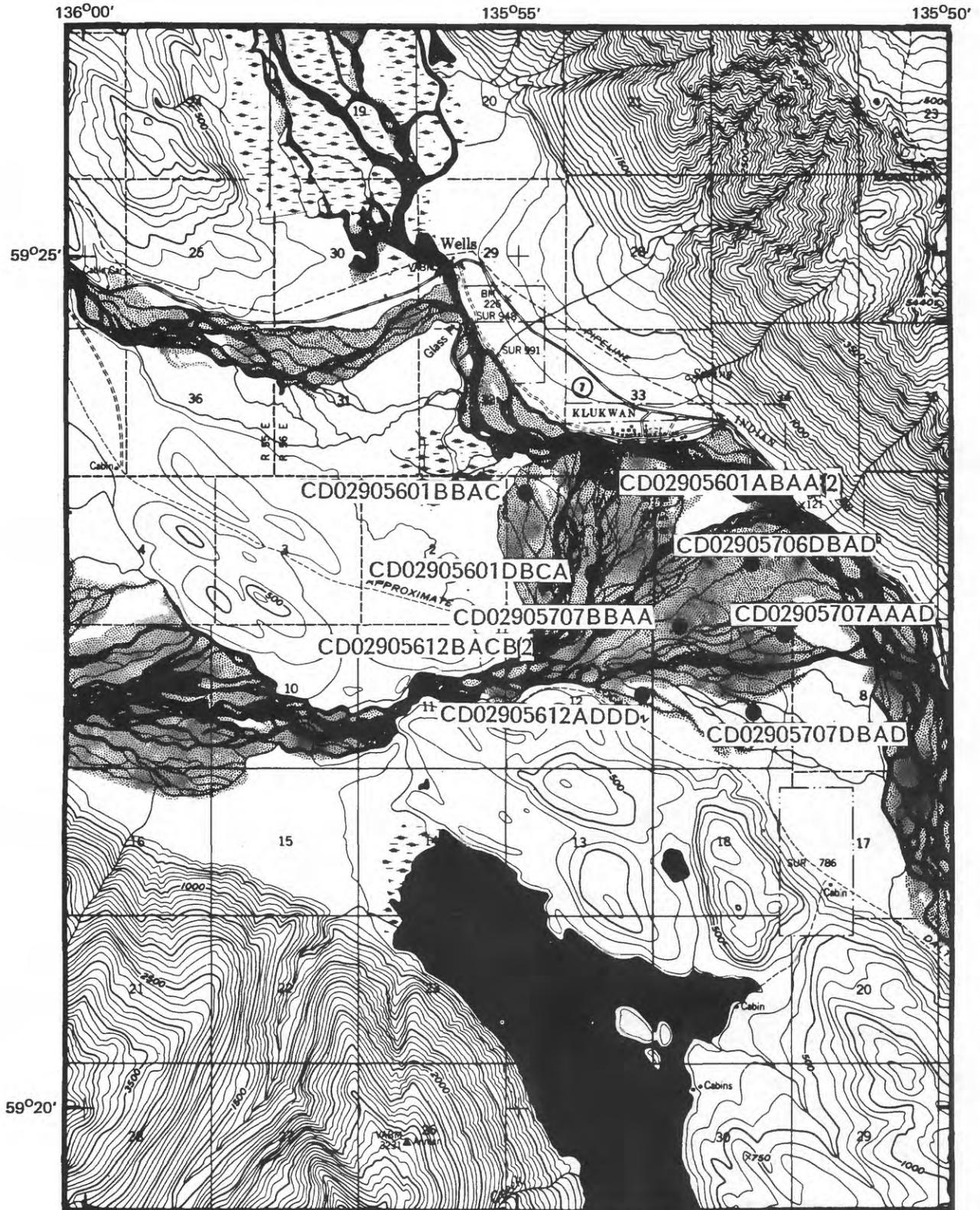
136°00'



59°30'

59°15'

Klukwan - Haines - Skagway area. Index to map on page 205.



Location of wells on pages 206 - 217.

592341135535501. Local number, CD02905601ABAA1 001.

LOCATION.--Lat 59°23'41", long 135°53'55", Hydrologic unit 19060000, 0.3 mi south of Klukwan on Tsirku River alluvial fan.

Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 6 in, depth 258 ft.

INSTRUMENTATION.--Continuous strip-chart recorder December 1982 to August 1983. Digital recorder August 1983 to September 1983.

DATUM.--Altitude of land surface is 116.81 ft (determined from levels survey).

PERIOD OF RECORD.--Current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1.73 ft below land-surface datum, June 27-28, 1983; lowest, 12.79 ft below land-surface datum, Mar. 24, 1983.

REMARKS.--Well is designated AR-3 in U.S. Geological Survey Open-File Report 84-618.

592242135544001. Local number, CD02905612BACB1 002.

LOCATION.--Lat 59°22'42", long 135°54'40", Hydrologic unit 19060000, 1.5 mi southwest of Klukwan on Tsirku River alluvial fan.

Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.-- Diameter 6 in, depth 220 ft, perforated 123 to 138 ft, open 198 to 220 ft.

INSTRUMENTATION.--Continuous strip-chart recorder December 1982 to August 1983. Digital recorder August 1983 to September 1983.

DATUM.--Altitude of land surface is 161.63 ft (determined from levels survey).

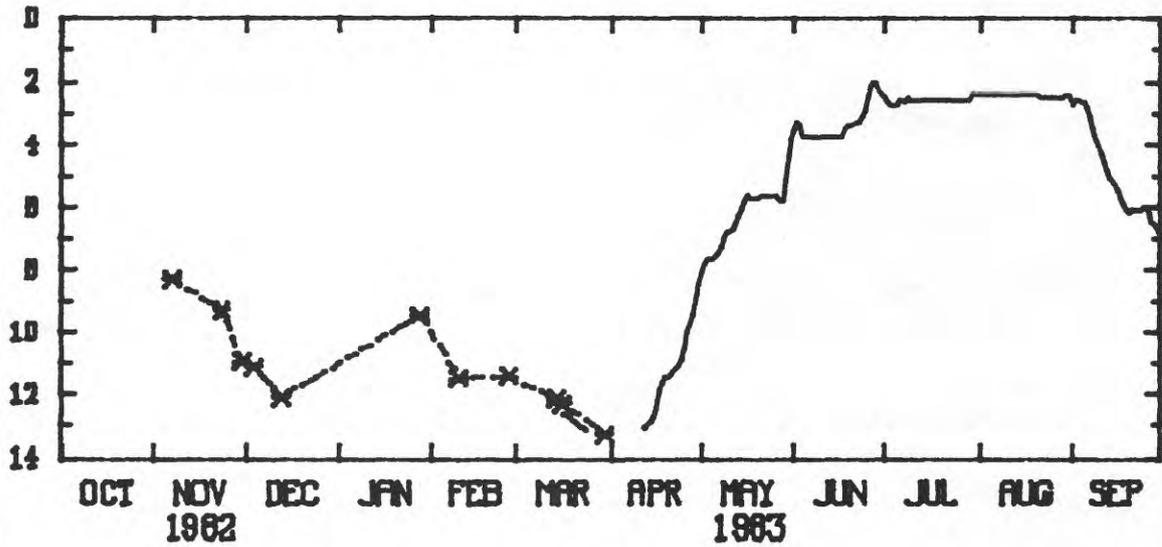
PERIOD OF RECORD.--Current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 24.14 ft below land-surface datum, Aug. 1-2, 1983; lowest, 47.72 ft below land-surface datum, Apr. 4, 1983.

REMARKS.--Well is designated AR-1 in U.S. Geological Survey Open-File Report 84-618.

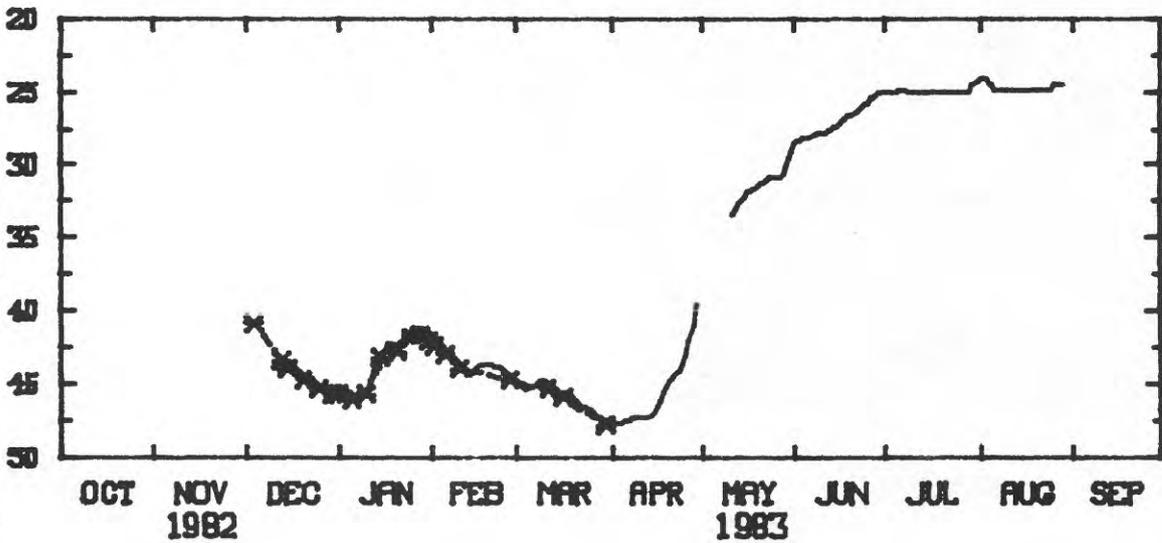
WATER LEVEL, IN FT BELOW LSD

CD02905601ABAA1 001



WATER LEVEL, IN FT BELOW LSD

CD02905612BACB1 002

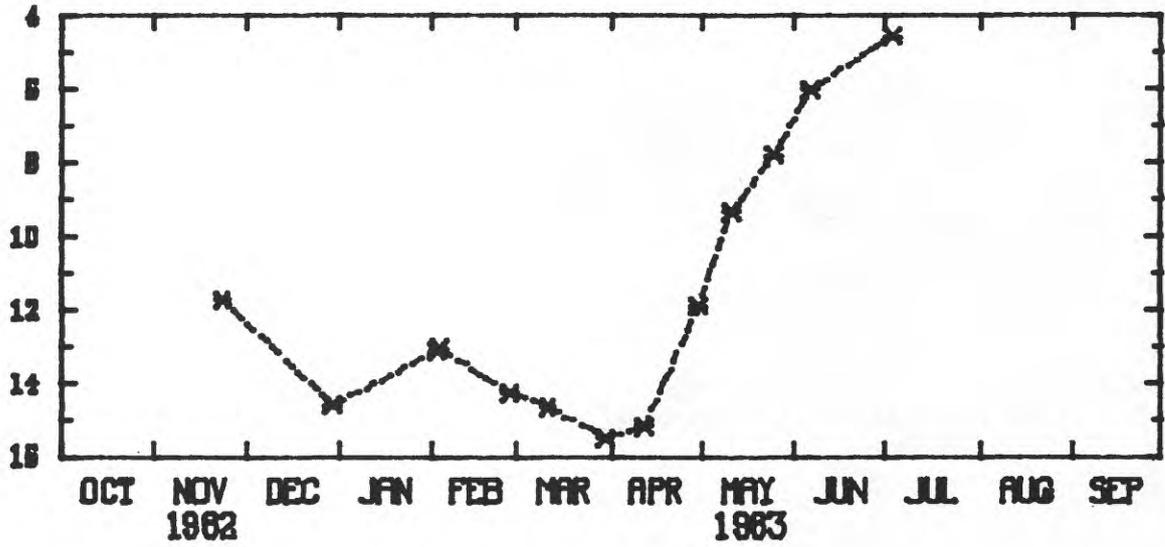


592336135544901. Local number, CD02905601BBAC1 002.
LOCATION.--Lat 59°23'36", long 135°54'49", Hydrologic unit 19060000,
0.8 mi southwest of Klukwan on the Tsirku River alluvial fan.
Owner: U.S. Geological Survey.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 38 ft.
INSTRUMENTATION.--Intermittent measurements with chalked steel tape
by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 122.09 ft (determined from levels
survey).
PERIOD OF RECORD.--Current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.72 ft
below land-surface datum, Nov. 23, 1982; lowest measured, 15.65 ft
below land-surface datum, Mar. 30, 1983.
REMARKS.--Well is designated AR-10 in U.S. Geological Survey Open-File
Report 84-618.

592341135535502. Local number, CD02905601ABAA2 001.
LOCATION.--Lat 59°23'41", long 135°53'52", Hydrologic unit 19060000,
0.3 mi south of Klukwan on Tsirku River alluvial fan.
Owner: U.S. Geological Survey.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 38 ft.
INSTRUMENTATION.--Intermittent measurements with chalked steel tape
by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 117.01 ft (determined from levels
survey).
PERIOD OF RECORD.--Current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.05 ft
below land-surface datum, Nov. 7, 1982; lowest measured, 12.70 ft
below land-surface datum, Mar. 30, 1983.
REMARKS.--Well is designated AR-4 in U.S. Geological Survey Open-File
Report 84-618.

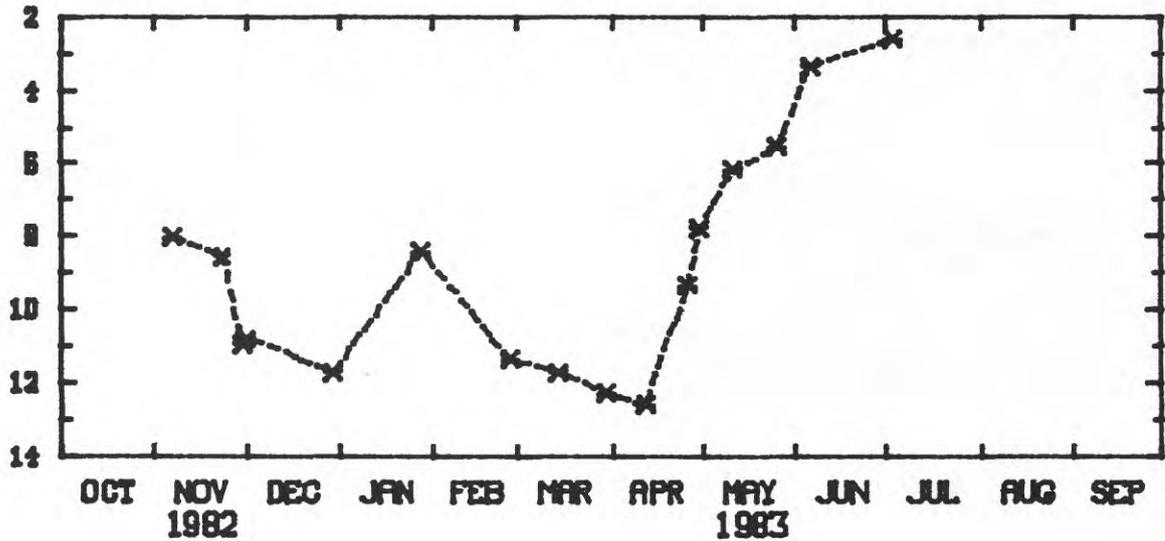
CD02905601B8A01 002

WATER LEVEL, IN FT BELOW LSD



CD02905601A8A02 001

WATER LEVEL, IN FT BELOW LSD

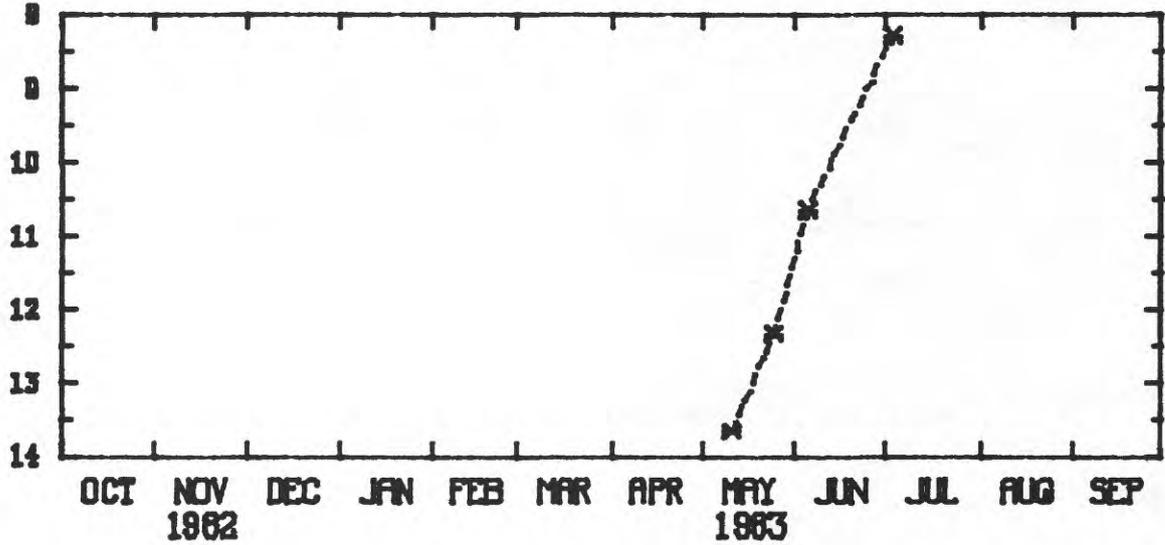


592242135544002. Local number, CD02905612BACB2 002.
LOCATION.--Lat 59°22'42", long 135°54'40", Hydrologic unit 19060000,
1.5 mi southwest of Klukwan on Tsirku River alluvial fan.
Owner: U.S. Geological Survey.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 18 ft.
INSTRUMENTATION.--Intermittent measurements with chalked steel tape
by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 175 ft (determined from levels
survey).
PERIOD OF RECORD.--Current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.29 ft
below land-surface datum, July 3, 1983; lowest measured, dry,
Nov. 23, 1982 to Apr. 30, 1983.
REMARKS.--Well is designated AR-11 in U.S. Geological Survey Open-File
Report 84-618.

592225135533001. Local number, CD02905612ADDD1 001.
LOCATION.--Lat 59°22'25", long 135°53'30", Hydrologic unit 19060000,
1.7 mi south of Klukwan on Tsirku River alluvial fan.
Owner: U.S. Geological Survey.
AQUIFER.--Sand and gravel of the Quaternary System.
WELL CHARACTERISTICS.--Diameter 6 in, depth 38 ft.
INSTRUMENTATION.--Intermittent measurements with chalked steel tape
by U.S. Geological Survey personnel.
DATUM.--Altitude of land surface is 175 ft (determined from levels
survey).
PERIOD OF RECORD.--Current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.12 ft
below land-surface datum, June 5, 1983; lowest measured, dry,
Dec. 1, 1982 to May 10, 1983.
REMARKS.--Well is designated AR-9 in U.S. Geological Survey Open-File
Report 84-618.

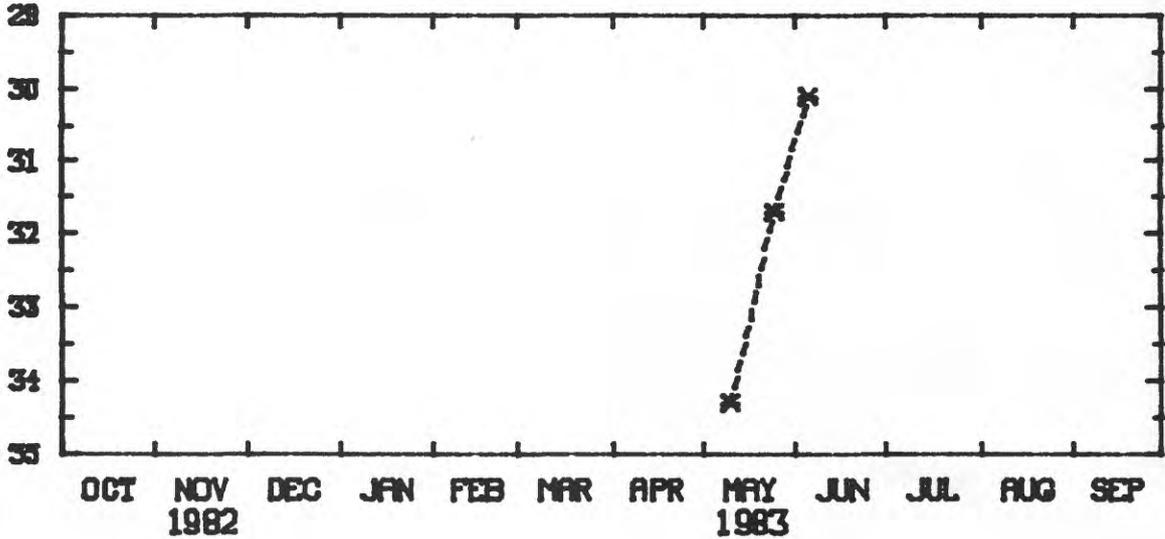
CD02905612BACB2 002

WATER LEVEL, IN FT BELOW LSD



CD02905612ADDD1 001

WATER LEVEL, IN FT BELOW LSD



592308135540401. Local number, CD02905601DBCA1 003.

LOCATION.--Lat 59°23'08", long 135°54'04", Hydrologic unit 19060000,
0.9 mi south of Klukwan on the Tsirku River alluvial fan.

Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 6 in, depth 108 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape
by U.S. Geological Survey personnel.

DATUM.--Altitude of land surface is 143.84 ft (determined from levels
survey).

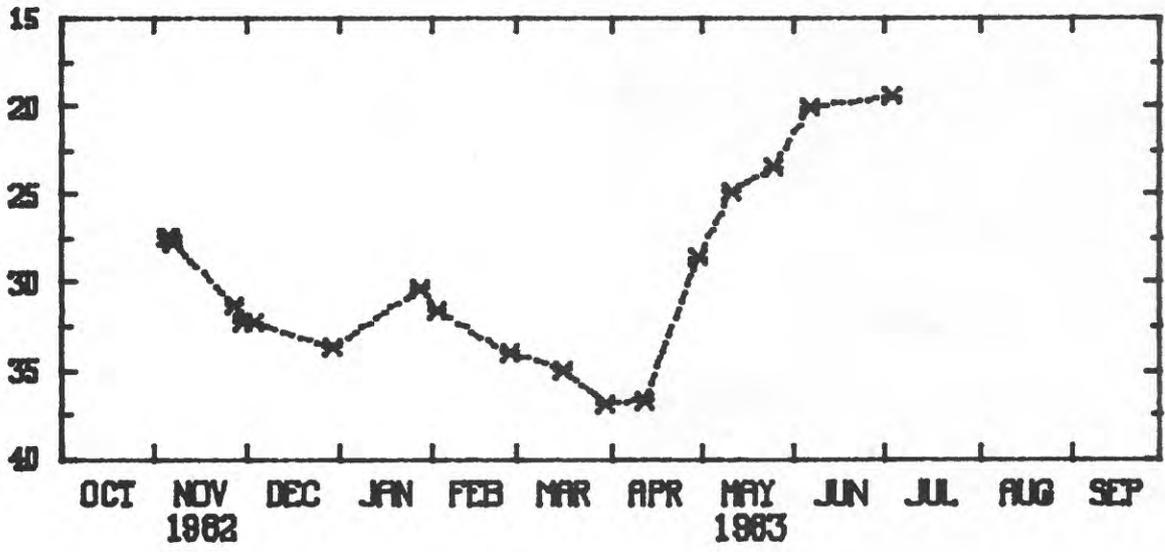
PERIOD OF RECORD.--Current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.48 ft
below land-surface datum, Nov. 6, 1982; lowest measured, 36.90 ft
below land-surface datum, Mar. 30, 1983.

REMARKS.--Well is designated AR-2 in U.S. Geological Survey Open-File
Report 84-618.

CDO2905601DBQA1 003

WATER LEVEL, IN FT BELOW LSD



592314135522201. Local number, CD02905706DBAD1 001.

LOCATION.--Lat 59°23'14", long 135°52'22", Hydrologic unit 19060000,
1.1 mi southeast of Klukwan on the Tsirku River alluvial fan.

Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 6 in, depth 38 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape
by U.S. Geological Survey personnel.

DATUM.--Altitude of land surface is 117.03 ft (determined from levels
survey).

PERIOD OF RECORD.--Current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.94 ft
below land-surface datum, Nov. 7, 1982; lowest measured, 16.30 ft
below land-surface datum, Apr. 1, 1983.

REMARKS.--Well is designated AR-5 in U.S. Geological Survey Open-File
Report 84-618.

592248135531001. Local number, CD02905707BBAA1 002.

LOCATION.--Lat 59°22'48", long 135°53'10", Hydrologic unit 19060000,
1.3 mi south of Klukwan on Tsirku River alluvial fan.

Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 6 in, depth 38 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape
by U.S. Geological Survey personnel.

DATUM.--Altitude of land surface is 136.50 ft (determined from levels
survey).

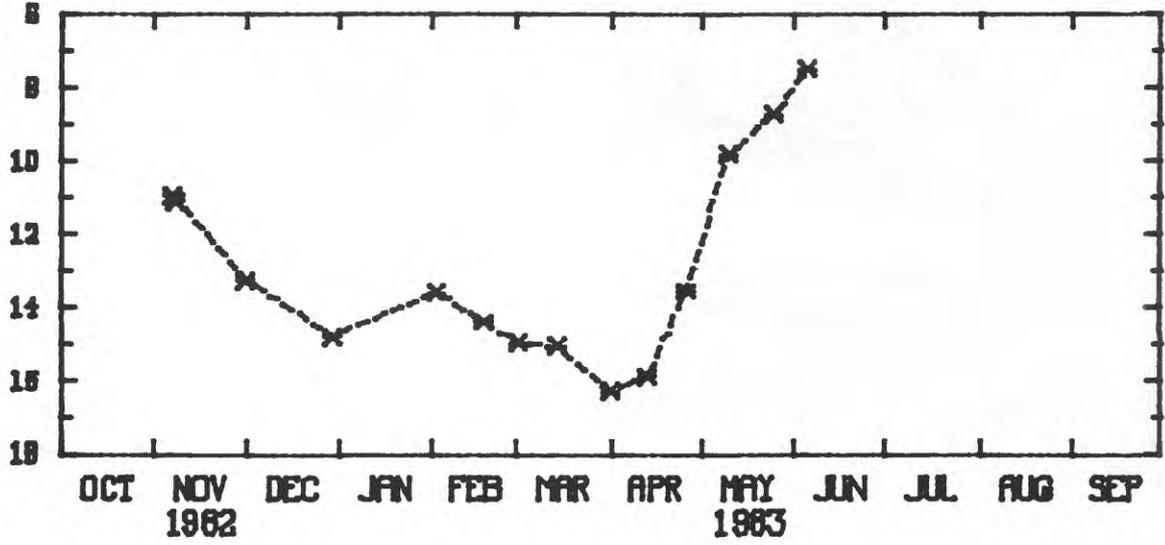
PERIOD OF RECORD.--Current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.87 ft
below land-surface datum, Dec. 1, 1982; lowest measured, 34.50 ft
below land-surface datum, Apr. 1, 1983.

REMARKS.--Well is designated AR-8 in U.S. Geological Survey Open-File
Report 84-618.

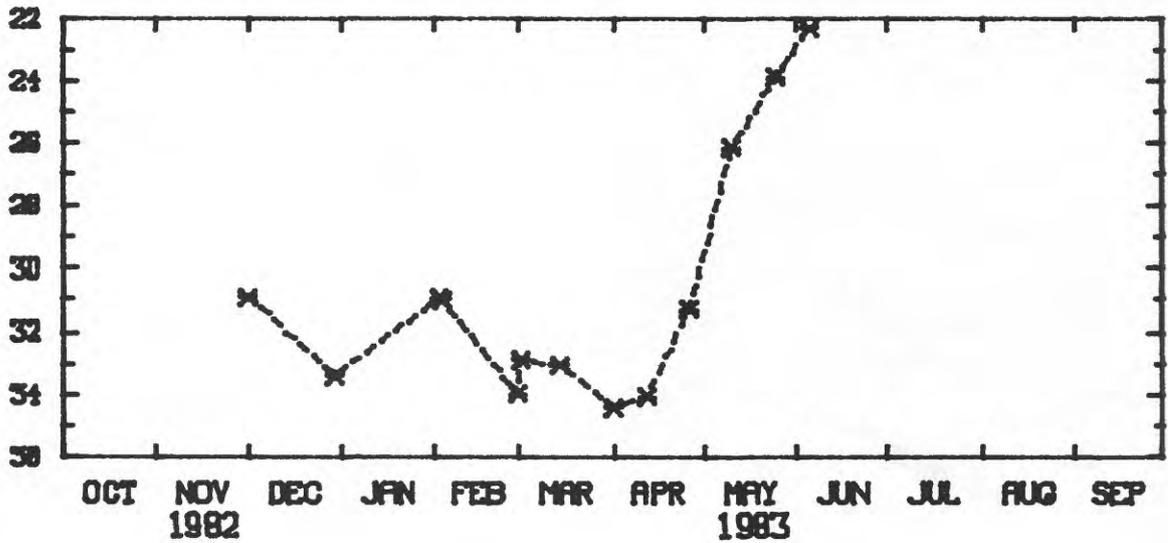
CD02905706DBAD1 001

WATER LEVEL, IN FT BELOW LSD



CD02905707BBAA1 002

WATER LEVEL, IN FT BELOW LSD



592246135515401. Local number, CD02905707AAAD1 001.

LOCATION.--Lat 59°22'46", long 135°51'54", Hydrologic unit 19060000,
1.6 mi southeast of Klukwan on the Tsirku River alluvial fan.

Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 6 in, depth 38 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape
by U.S. Geological Survey personnel.

DATUM.--Altitude of land surface is 107.78 ft (determined from levels
survey).

PERIOD OF RECORD.--Current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.70 ft
below land-surface datum, Apr. 26, 1983; lowest measured, 12.15 ft
below land-surface datum, Dec. 1, 1982.

REMARKS.--Well is designated AR-6 in U.S. Geological Survey Open-File
Report 84-618.

592222135521601. Local number, CD02905707DBAD1 003.

LOCATION.--Lat 59°22'22", long 135°52'16", Hydrologic unit 19060000,
1.8 mi south of Klukwan on Tsirku River alluvial fan.

Owner: U.S. Geological Survey.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 6 in, depth 38 ft.

INSTRUMENTATION.--Intermittent measurements with chalked steel tape
by U.S. Geological Survey personnel.

DATUM.--Altitude of land surface is 119.94 ft (determined from levels
survey).

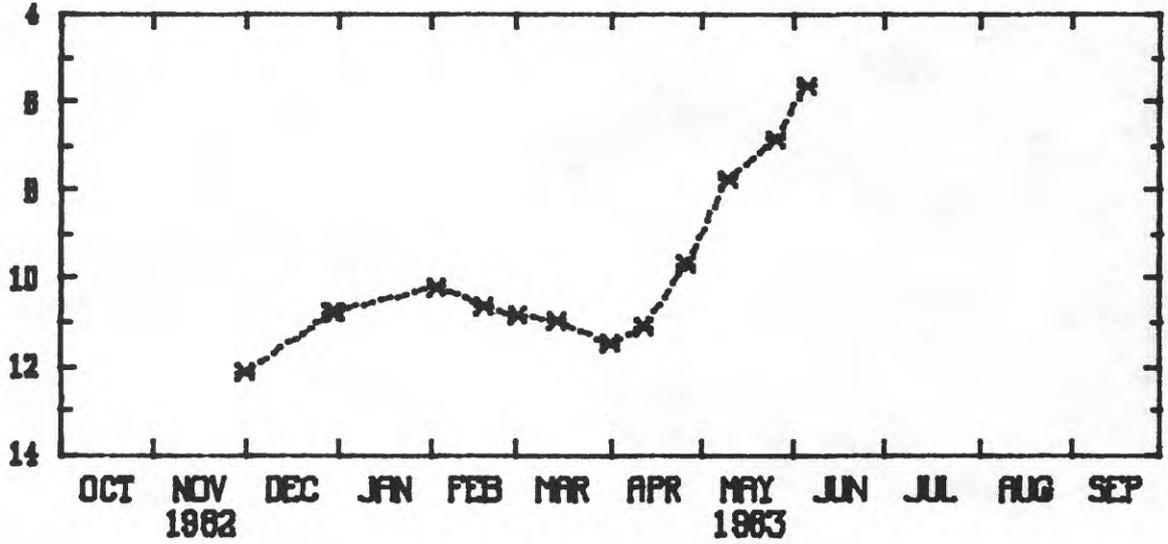
PERIOD OF RECORD.--Current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.92 ft
below land-surface datum, Dec. 1, 1982; lowest measured, 22.90 ft
below land-surface datum, Apr. 1, 1983.

REMARKS: Well is designated AR-7 in U.S. Geological Survey Open-File
Report 84-618.

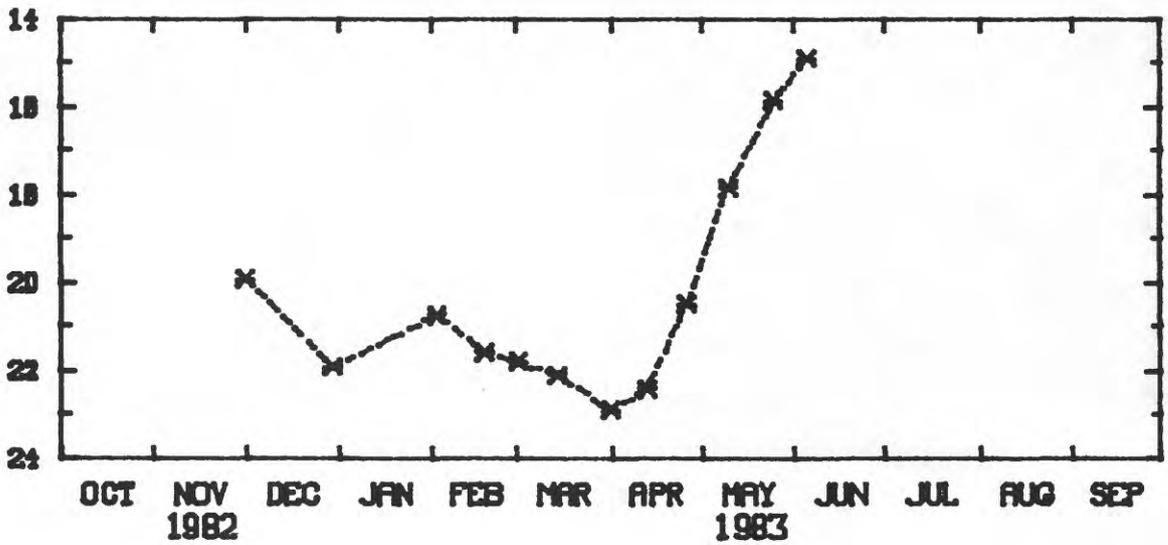
CD02905707AAD1 001

WATER LEVEL, IN FT BELOW LSD



CD02905707D8AD1 003

WATER LEVEL, IN FT BELOW LSD

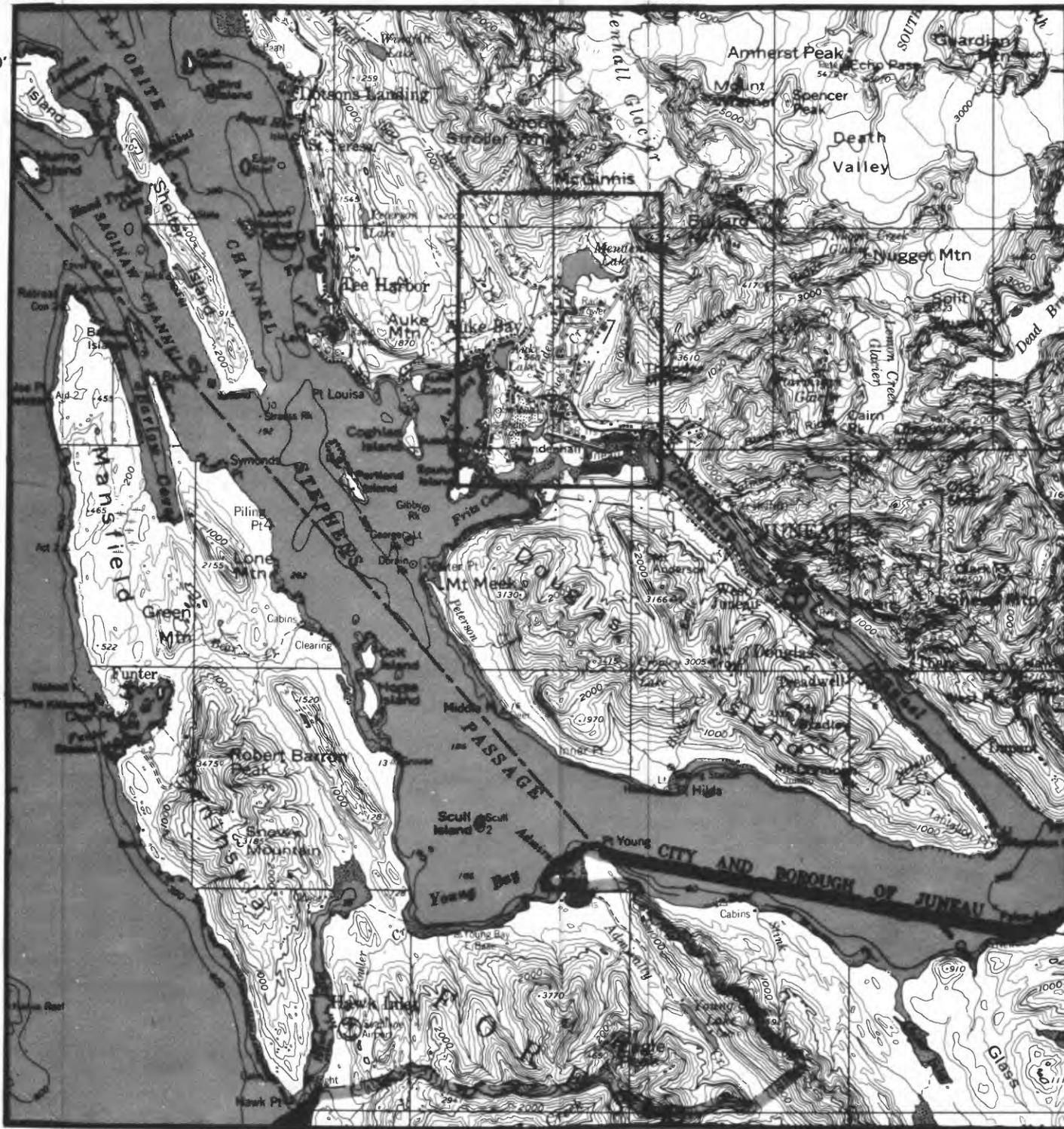


135°00'

135°30'

58°30'

58°15'



Juneau area. Index to map on page 219.

582422134342001. Local number, CD04006618ABDB1 003.

LOCATION.--Lat 58°24'24", long 134°34'23", Hydrologic unit 19060000,
Mendenhall Loop Road, near Juneau.

Owner: U.S. Forest Service.

AQUIFER.--Sand and gravel of the Quaternary System.

WELL CHARACTERISTICS.--Diameter 6 in, depth 100 ft, screened
90 to 100 ft.

INSTRUMENTATION.--Digital recorder.

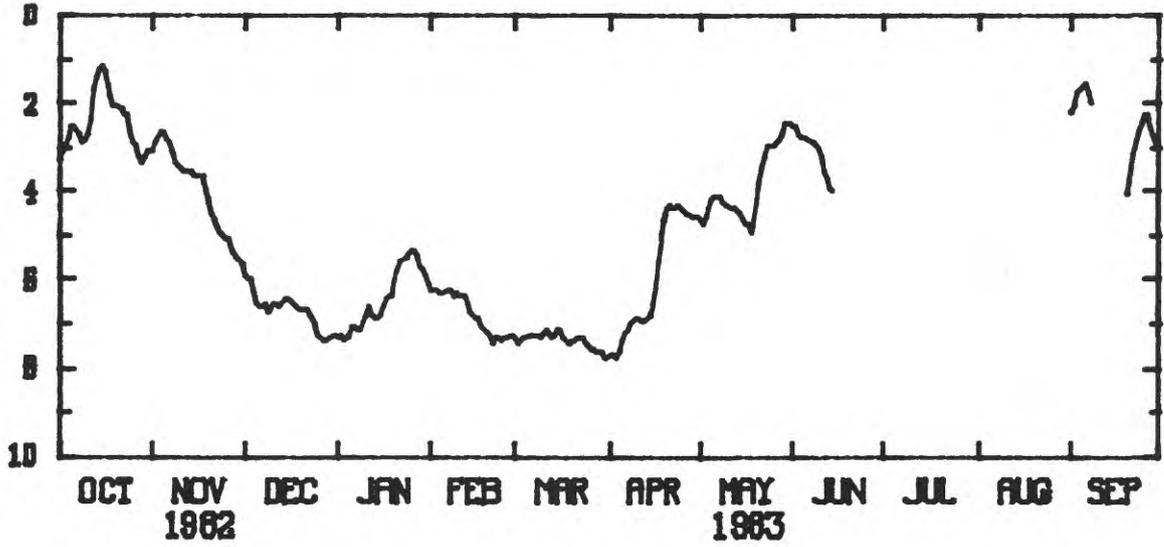
DATUM.--Altitude of land surface is 69 ft (determined from levels
survey).

PERIOD OF RECORD.--June 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 4.48 ft
above land-surface datum, Sep. 13, 1981; lowest, 10.26 ft
below land-surface datum, Mar. 23, 1969.

CDD4006618ABDB1 003

WATER LEVEL, IN FT BELOW LSD



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592246135515401	CD02905707AAAD1	001	DGGS/USGS	216
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604041151230701	SB00701221DDBC1	008	DGGS/USGS	68
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610712149540401	SB01200424ABCD1	024	MUN ANCH/USGS	170
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