

# **Ground-Water Levels in an Alluvial Plain Between the Tanana and Chena Rivers Near Fairbanks, Alaska 1986-93**

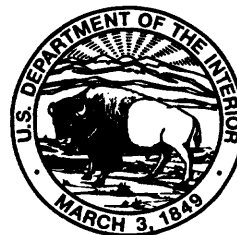
By Roy L. Glass, Michael R. Lilly, and David F. Meyer

---

U.S. GEOLOGICAL SURVEY

Water-Resources Investigations Report 96-4060

Prepared in cooperation with the  
FAIRBANKS NORTH STAR BOROUGH



Anchorage, Alaska  
1996

U.S. DEPARTMENT OF THE INTERIOR  
BRUCE BABBITT, Secretary

U.S. GEOLOGICAL SURVEY  
GORDON P. EATON, Director

---

For additional information write to:

District Chief  
U.S. Geological Survey  
4230 University Drive, Suite 201  
Anchorage, AK 99508-4664

Copies of this report can be purchased from:

U.S. Geological Survey  
Branch of Information Services  
Box 25286  
Denver, CO 80225-0286

# CONTENTS

Abstract .....	1
Introduction .....	2
Purpose and scope .....	2
Previous hydrologic studies .....	4
Description of study area .....	4
Climate .....	4
Physiography and ground-water conditions .....	5
Surface water .....	5
Flood-control structures .....	11
Ground-water-level monitoring network .....	12
Ground-water levels .....	12
Configuration of the water table .....	27
Summary .....	39
References cited .....	39
Appendix 1. Water levels measured in wells, 1986-89 .....	A-1
Appendix 2. Observed highest daily water levels in wells, 1986-93 .....	A-43

## FIGURES

1. Map showing location of the alluvial plain between the Tanana and Chena Rivers near Fairbanks, Alaska .....	3
2. Hydrographs showing stages of Chena River below Moose Creek Dam, Chena River at Fairbanks, and Tanana River at Fairbanks, 1986 through 1993, and periods of ground-water-level measurements .....	6
3. Map showing ground-water levels during a period of high stage in the Chena River, October 14-17, 1986 .....	14
4. Diagram showing construction features of a typical water-level monitoring well ...	19
5a. Hydrographs showing fluctuations of water levels in wells 50006, P-251, and LF11, and stages of Chena River at Fairbanks and Tanana River at Fairbanks, 1986 through 1988 .....	25
5b. Hydrographs showing ground-water levels at wells 5006, P-251, and P-252, and associated periods of impoundment behind Moose Creek Dam, 1986-93 .....	26
6. Map showing ground-water levels during a period of high stage in the Tanana River, July 16-17, 1987 .....	28
7. Map showing ground-water levels during a period of low stage in the Chena and Tanana Rivers, March 30 to April 3, 1988 .....	34

## TABLES

1. Precipitation and stream-discharge data, Fairbanks area, 1986-93 .....	4
2. Mean monthly discharges for the Tanana River at Fairbanks and Chena River at Fairbanks, May through October, 1986 to 1993 .....	10
3. Highest and lowest water levels observed in monitoring wells in the Fairbanks area, 1986-88 .....	20
4. Mean daily stages and discharges for the Tanana River at Fairbanks, Chena River at Fairbanks, and Chena River below Moose Creek Dam during selected ground-water level measurement periods .....	33

## CONVERSION FACTORS, VERTICAL DATUM, AND NUMBERING SYSTEM FOR WELLS

Multiply	by	To obtain
inch (in.)	25.4	millimeter
foot (ft)	0.3048	meter
mile (mi)	1.609	kilometer
square mile (mi <sup>2</sup> )	2.590	square kilometers
cubic foot per second (ft <sup>3</sup> /s)	0.28317	cubic meter per day
foot per mile (ft/mi)	0.1894	meter per kilometer

Temperature in degrees Fahrenheit (°F) may be converted to degrees Celsius (°C) as follows:  

$$^{\circ}\text{C} = (^{\circ}\text{F} - 32)/1.8$$

### Vertical Datum:

National Geodetic Vertical Datum of 1929 (NVGD of 1929): A geodetic datum derived from a general adjustment of the first-order level notes of both the United States and Canada, formerly called Sea Level Datum of 1929. All altitudes in this report are referenced to the 1966 survey (U.S. Coast and Geodetic Survey, 1966).

### Numbering System For Wells:

Three identifying numbers are assigned to each well: a field identifier, a site identification number, and a local number.

The field identifier is a short name assigned to each well for the purposes of this or other projects. This number was used in field notes and maps and is used on the maps and in the text of this report.

The site identification number is 15 digits long and is used to identify the site in a nationwide Ground-Water Site Inventory database.

The local number is used to organize well information by each well's location and is based on the township, range and section number in which the well is located. The first two letters indicate the principal meridian and the quadrant formed by the intersection of a base line and a principal meridian. The first three digits indicate the township in which the well is located, the next three digits the range, and the next two digits the section. Letters following the section number indicate the quarter section, the quarter-quarter section, and so forth to the fourth-order quarter section. Each of these subdivisions is lettered counterclockwise from the northeast corner, which is assigned the letter "A." Each well within the smallest order of subdivision is then given a sequential number. Finally each well within a section is assigned a sequential map number using the last three digits. For example, FA00100225ACCC1 005, indicates the Fairbanks meridian (F), the northeast quadrant (A), township 1 north, range 2 east, section 25; the well is in the southwest 1/4 (C) of the southwest 1/4 (C) of the southwest 1/4 (C) of the northeast 1/4 (A) of the section (ACCC). The 1 indicates that it was the first well assigned a sequential number in the fourth order quarter section. The next three digits, 005, indicate that this was the fifth well located or plotted on a map in that 1-square-mile section.



# Ground-Water Levels in an Alluvial Plain Between the Tanana and Chena Rivers Near Fairbanks, Alaska 1986-93

By Roy L. Glass, Michael R. Lilly, and David F. Meyer

## ABSTRACT

The aquifer of an alluvial plain between the Tanana and Chena Rivers near Fairbanks, Alaska, generally consists of highly transmissive sands and gravels under water-table conditions. During 1986-88, the U.S. Geological Survey studied the distribution of ground-water levels in the alluvial plain between Moose Creek Dam and the confluence of the Tanana and Chena Rivers. Moose Creek Dam is a flood-control structure on the Chena River that impounds water only during high flows in the Chena River or during tests of the dam's control gates. Ground-water-level information is needed to help design and place septic systems, buildings, and drainage structures. Using 38 existing wells and 83 wells drilled for this study during 1986 and 1987, ground-water levels were measured to determine the depth to the water table, its seasonal variation, and its relation to changes in river and reservoir stages. Water levels were continuously measured in 10 wells and periodically measured in 110 other wells until August 1988. During 1989, water levels were measured at least once in 59 wells. Three wells were equipped with water-level recorders through 1993. River stages were measured continuously at one gaging station on the Tanana River and at two stations on the Chena River.

During summer months of 1986-88, stages and discharges in the Chena River were generally less than long-term mean monthly values, whereas mean monthly stages and discharges in the Tanana River fluctuated above and below long-term mean monthly values. Depths to water in monitoring wells ranged from slightly above land surface to about 21 feet below land surface. Depths to water in the alluvial plain were within 10 feet of land surface in most areas, but were within 5 feet of land surface in many low-lying areas. In general, the water table sloped to the northwest, from the Tanana River to the Chena River, at a gradient of about 4 feet per mile. Water levels in wells within about half a mile of either river responded rapidly to changes in river stage.

During summer months of 1989-93, stages and discharges in the Chena River were generally higher than those during 1986-88, whereas stages and discharges in the Tanana River were similar to those during 1986-88. During 1989, peak water levels were higher in more than half the wells measured than during peak levels observed during 1986-88. Peak water levels were also 1.9 to 3.3 feet higher in 1991 or 1992 than peak values during 1986-88 in three wells equipped with water-level recorders. Water levels in wells near Moose Creek Dam responded rapidly to changes in water levels behind the dam. During one impoundment, water levels in a well 0.1 mile from the dam rose approximately 7 feet, to 4.8 feet below land surface.

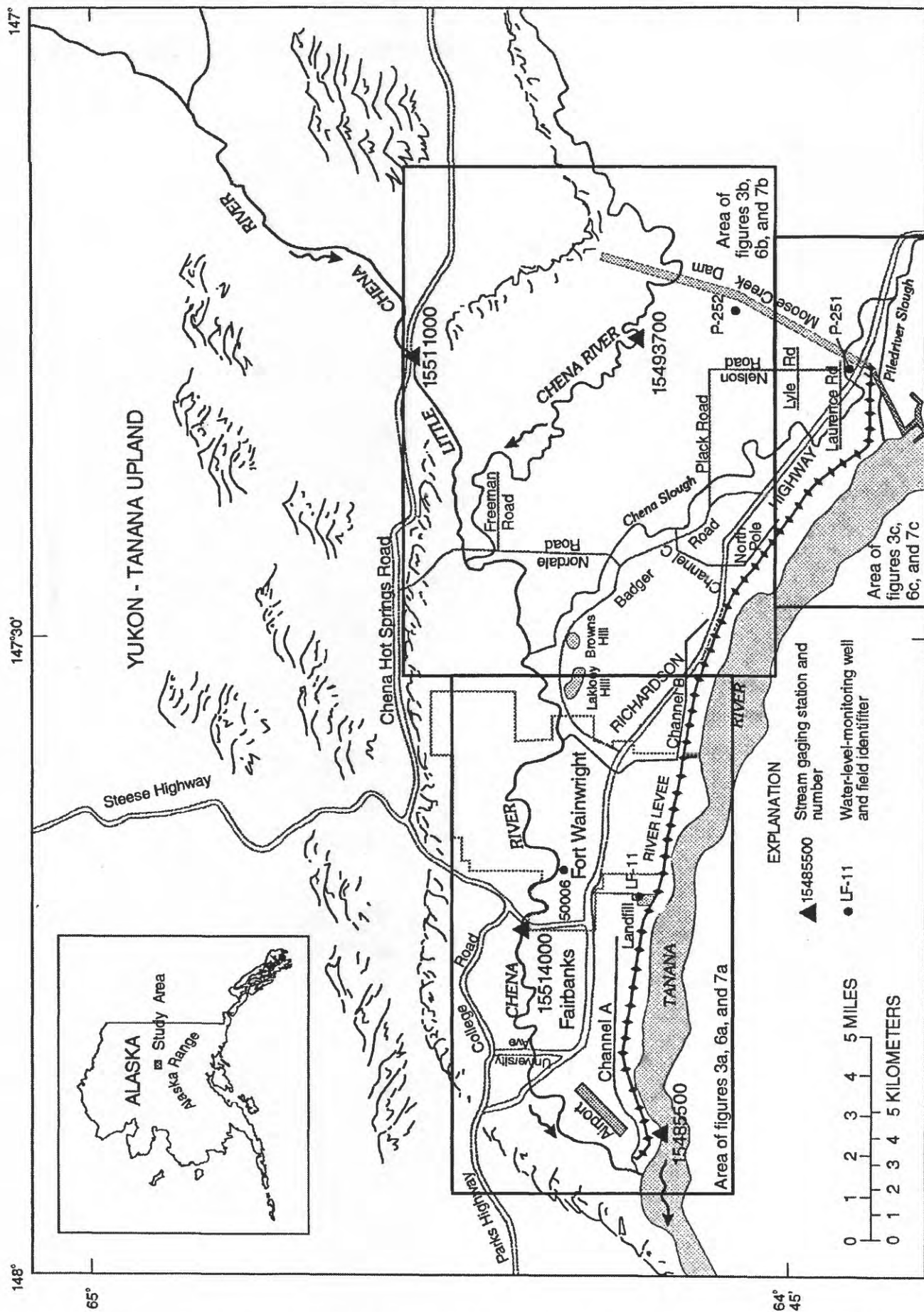


Figure 1. Location of the alluvial plain between the Tanana and Chena Rivers near Fairbanks, Alaska.

## INTRODUCTION

The cities of Fairbanks and North Pole and the U.S. Army's Fort Wainwright are located on an alluvial plain between the Chena and Tanana Rivers in interior Alaska (fig. 1). Parts of this alluvial plain have been inundated by flood waters in 1905, 1911, 1930, 1937, 1948, and 1967. Even though the U.S. Army Corps of Engineers (COE) has built a levee and a dam in this area, high ground-water levels resulting from high stages in rivers, reservoir impoundments, intense rain, or rapid snowmelt may still cause problems in some parts of the alluvial plain. During a June 1985 test of the control gates of Moose Creek Dam, several homes near Laurence, Lyle, and Plack Roads in the eastern part of the study area had water in their basements and crawl spaces, or had their septic systems flooded (U.S. Army Corps of Engineers, 1988, p. 5).

Ground-water-level information is essential to planning officials, property owners, and residents. Maps showing altitudes of the water table, depths below land surface to the water table, and directions of ground-water flow aid in designing and placing of septic systems, buildings, roads, drainage channels, and culverts. When building a house or commercial structure, it is desirable to place its septic system, living or working area, basement, crawl space, driveway, and walkways higher than expected ground- and surface-water levels. An unsaturated zone between septic drains and the water table is needed to reduce the number of pathogenic viruses and bacteria in sewage effluent before the effluent reaches an aquifer used for drinking. Flooding of residential and commercial structures can damage the structures and their contents, whereas inundation of roads and walkways can limit access.

### Purpose and Scope

The purpose of this study was to document ground-water levels in the alluvial plain during 1986-88. A computer model of the ground-water and surface-water interactions was beyond the scope of this study, but much of the data needed for such analyses are contained in this report. This study was done in cooperation with the Fairbanks North Star Borough. Some ground- and surface-water data used in this study were provided by the U.S. Army Corps of Engineers (COE).

A total of 83 shallow wells were drilled by USGS during the summers of 1986 and 1987 for this study. Ground-water levels in these and 38 existing wells were measured about once each month during summer until August 1988. Water levels in 59 wells were measured at least once during a period of high discharges in the Chena River in the summer of 1989. Ten wells were equipped with digital water-level recorders that measured water levels hourly, generally from midsummer 1987 through spring 1989. Water levels in three wells were measured continuously through 1993.

Stream stage (altitude of the water surface) was measured continuously during open-water periods at one gaging station on the Tanana River and two on the Chena River (fig. 1). Stages were corrected for instrument error by reference to staff plates in the water and benchmark monuments. Periodic measurements of discharge were made at each gaging station and stage/discharge relations were determined for each site. Daily mean discharges for each of these sites were published annually by the U.S. Geological Survey (USGS) (1986-94) in "Water Resources Data, Alaska."

This report summarizes ground- and surface-water data collected from 1986-93, and contains maps showing ground-water levels and the configuration of the water table during periods of high and low ground-water levels.

## Previous Hydrologic Studies

Previous USGS reports by Cederstrom (1963) and Nelson (1978) describe ground-water conditions in the Fairbanks area and Krumhardt (1982) describes ground-water conditions in the Badger Road area east of Fairbanks. A report by Flynn (1985) contains water-level, well-log, and water-quality data for 22 wells near a landfill adjacent to the Tanana River south of Fairbanks. Water levels in selected wells and daily mean discharges for Chena, Little Chena, and Tanana Rivers have been published annually by the USGS (1976-94).

## DESCRIPTION OF STUDY AREA

The study area is an alluvial plain about 23 mi long and 8 mi wide adjacent to the Tanana and Chena Rivers (fig. 1). It is bounded by the Tanana River on the south, Moose Creek Dam on the east, and the bases of bedrock hills on the north and west near the Chena River. The study area includes the cities of Fairbanks and North Pole and Fort Wainwright, but most of the study area is sparsely populated.

## Climate

Fairbanks experiences a continental climate typified by large diurnal and annual temperature variations, and low precipitation. Mean minimum January temperature is -19 °F, and mean maximum July temperature is 72 °F (Leslie, 1989). The mean annual temperature is 25 °F, and the mean diurnal temperature variation is 20 °F (Hartman and Johnson, 1984). On the average, Fairbanks receives about 70 in. of snowfall annually. Mean annual precipitation at Fairbanks International Airport is about 11 in. (table 1).

**Table 1.** Precipitation and stream-discharge data, Fairbanks area, 1986-93

[Climate data from the National Oceanic and Atmospheric Administration, 1986-93]

Location	1986	1987	1988	1989	1990	1991	1992	1993	Average for period of record	Period of record
<b>Total precipitation (Inches, water equivalent)</b>										
Fairbanks International Airport	9.86	6.43	10.47	10.43	18.52	9.40	12.73	11.33	11.18	1930-93
<b>Mean discharge (cubic feet per second)</b>										
Tanana River at Fairbanks	19,200	18,500	21,900	23,200	22,600	20,300	21,600	23,400	20,200	Oct. 1973- Sept. 1993
Chena River below Moose Creek Dam	1,080	665	770	815	1,020	1,370	1,050	1,240	972	Oct. 1979- Sept. 1993
Chena River at Fairbanks	1,420	921	1,040	1,150	1,390	1,790	1,450	1,650	1,390	Oct. 1948- Sept. 1993

## Physiography and Ground-Water Conditions

The alluvial plain slopes gently downward from east to west at approximately 1 to 6 ft/mi. Wetlands and local depressions such as sloughs, swales, and abandoned river channels are common, and many contain water throughout the year. Two prominent bedrock hills, Lakloey Hill and Browns Hill (fig. 1) are exposed in the central part of the study area. Except for these hills, which are composed of basalt and schist, the area is underlain by alluvium that consists of alternating layers and lenses of sand and gravel. In some locations the sand and gravel are overlain by 1 to 20 ft of silt or sandy silt or a few feet of peat. The alluvium is commonly unfrozen, but local areas may have perennially frozen ground (permafrost).

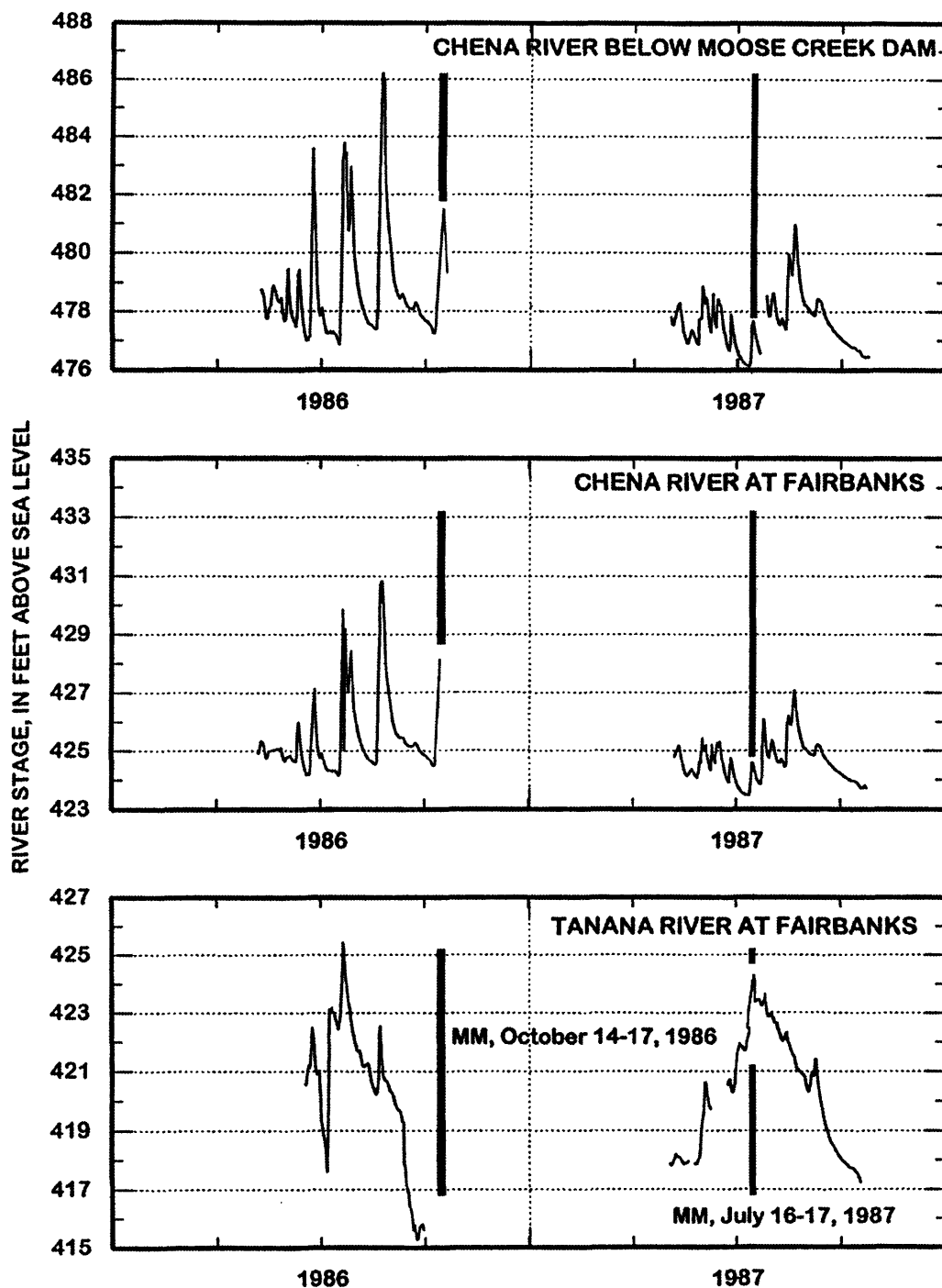
The permeable sands and gravels form an aquifer capable of providing large quantities of water to wells. The maximum thickness of saturated sediments has not been determined, but the maximum thickness of alluvium penetrated by a drill is 616 ft near Moose Creek Dam. In most places, ground water is unconfined, that is, it is under water-table conditions. However, where the depth to the water table is less than the depth of annual frost penetration, frozen ground may form a seasonal confining layer. Permafrost may also form a local confining layer. Surficial silts present in many areas generally are not sufficiently thick, tightly compacted, or continuous to form a confining layer. Ground-water recharge to the alluvial-plain aquifer is from the Tanana River and, to a lesser extent, from the Chena River and the upland area to the north (Nelson, 1978). Surface infiltration of precipitation generally provides much less recharge.

## Surface Water

The braided channel of the Tanana River forms the southern boundary of the study area. Upstream from Fairbanks, the Tanana River has a drainage area of about 20,000 mi<sup>2</sup> and obtains much of its flow from snow and glacier melt in the Alaska Range. Prior to the COE's construction of a levee along the north bank of the river, during periods of high stage in the Tanana River, some of the river water would flow across the alluvial plain and into the Chena River channel through overflow channels and sloughs, such as Clear Creek and Chena Slough. Highest stages and flows commonly occur during warm, dry weather in July (fig. 2). Rare but significant high flows occur from local rainfall, including the peak of August 16, 1967 (about 125,000 ft<sup>3</sup>/s).

The Tanana River at Fairbanks (gaging station No. 1548550, fig. 1), 1 mi upstream from the mouth of the Chena River has a mean annual discharge of 20,200 ft<sup>3</sup>/s, based on streamflow data from water years 1973 through 1993 (U.S. Geological Survey, 1974-94). (A water year is from October 1 to September 30.) During 1986 to 1993, mean annual discharges of the Tanana River at Fairbanks ranged from 8 percent less than long-term mean annual values in calendar year 1987 (18,500 ft<sup>3</sup>/s) to 16 percent higher than mean annual values in 1993 (23,400 ft<sup>3</sup>/s). Mean July flows during 1986-88 were consistently greater than the 20-year mean monthly July discharge (52,200 ft<sup>3</sup>/s) (table 2).

The meandering channel of the Chena River is in the northern part of the alluvial plain. At USGS gaging station No. 15493700 (fig. 1), located 3.1 mi downstream from Moose Creek Dam, the Chena River has a drainage area of about 1,400 mi<sup>2</sup>, and its mean annual discharge is 972 ft<sup>3</sup>/s for water years 1979 to 1993 (U.S. Geological Survey, 1980-94).



**Figure 2.** Stages of Chena River below Moose Creek Dam, Chena River at Fairbanks, and Tanana River at Fairbanks, 1986 through 1993, and periods of ground-water level measurements (MM).

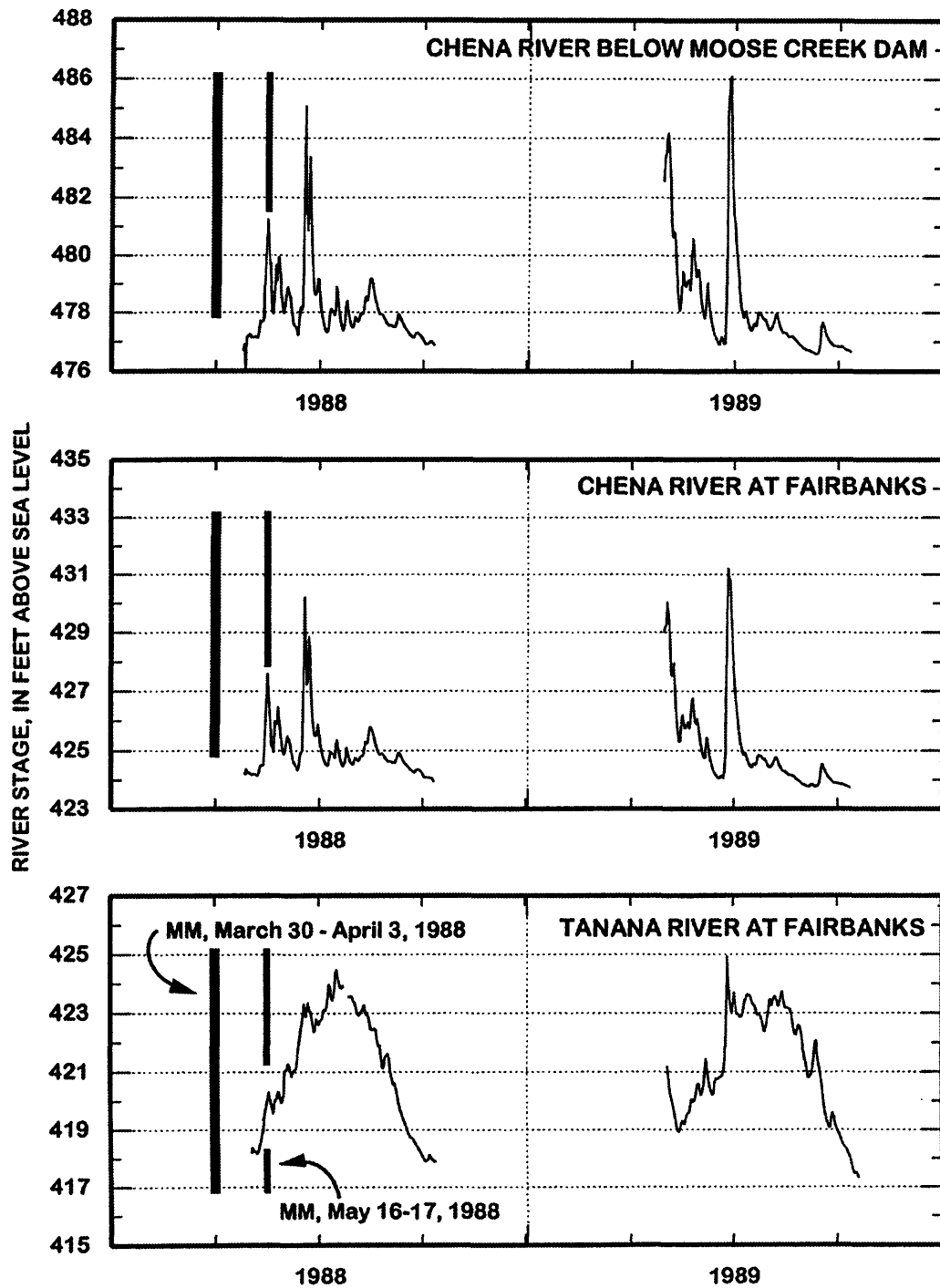
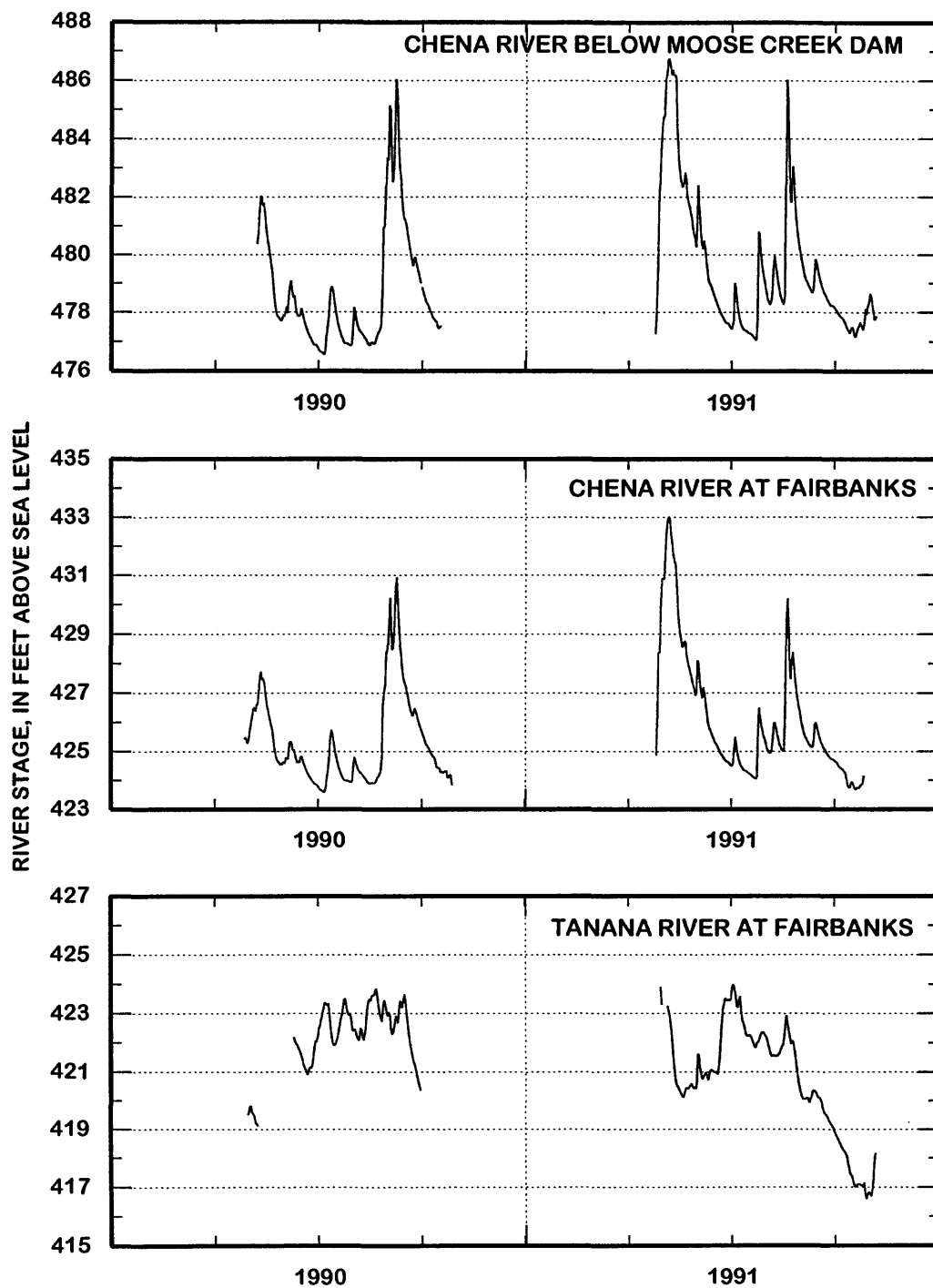


Figure 2. Continued



**Figure 2. Continued**



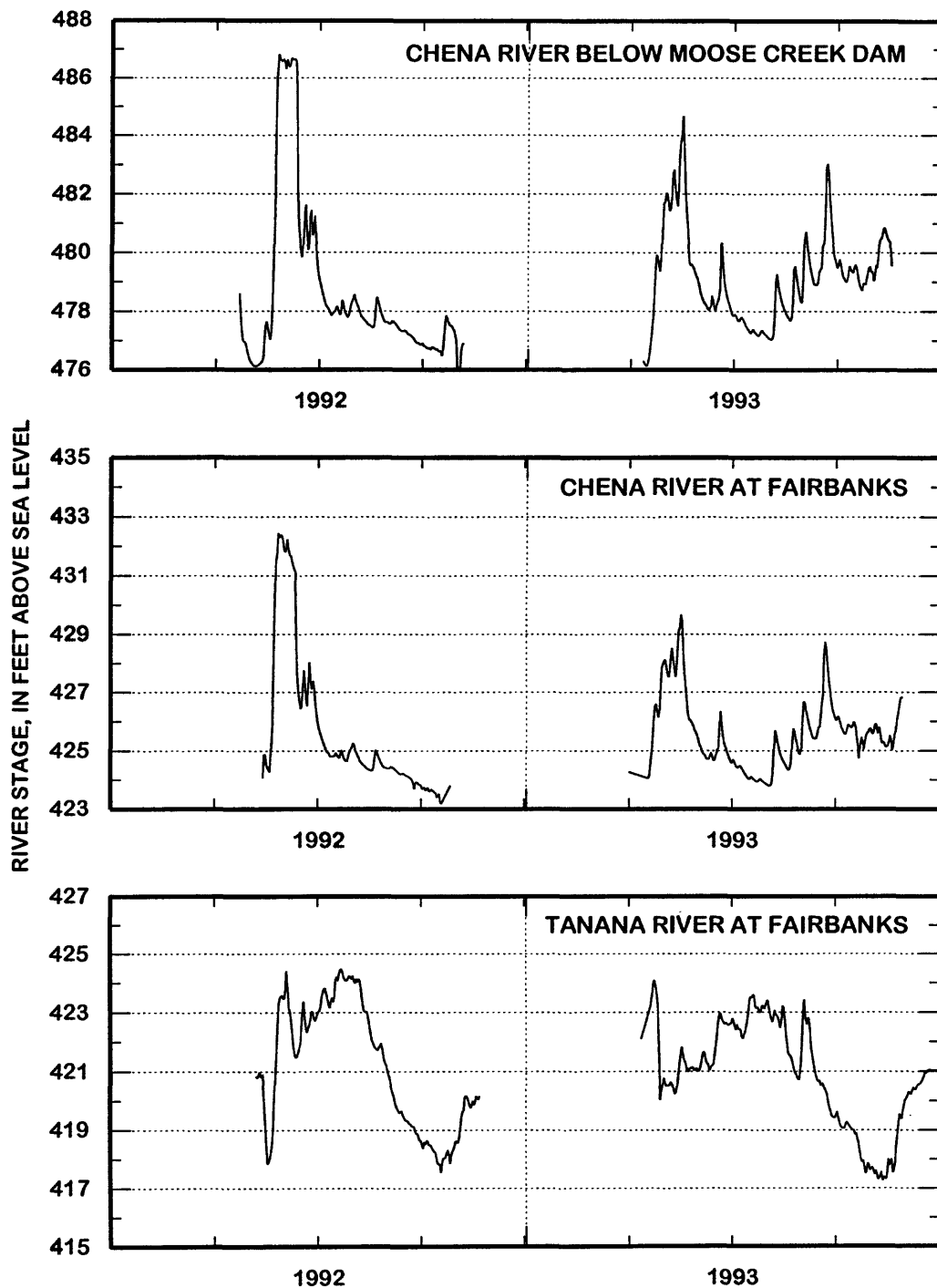


Figure 2. Continued

**Table 2.** Mean monthly and monthly mean discharges of the Tanana River at Fairbanks and Chena River at Fairbanks, May through October, 1986 to 1993

Year	Mean discharge (cubic feet per second)					
	May	June	July	August	September	October
<b>Tanana River at Fairbanks (station No. 15485500)</b>						
20-year average	21,500	34,700	52,200	47,700	25,900	13,500
1986	19,100	32,700	61,900	37,900	22,100	15,000
1987	15,200	26,100	57,700	47,300	24,900	13,200
1988	23,400	47,700	65,600	51,800	24,000	11,300
1989	28,100	38,900	59,500	59,000	32,500	15,000
1990	24,200	38,800	51,700	51,900	44,900	15,300
1991	36,300	37,800	50,500	39,800	22,700	12,200
1992	20,500	51,400	66,100	51,500	21,200	10,800
1993	33,800	42,800	53,700	47,400	36,500	18,200
<b>Chena River at Fairbanks (station No. 15514000)</b>						
45-year average	3,890	2,700	2,100	2,510	2,140	1,190
1986	1,710	1,960	2,560	3,120	2,080	2,380
1987	1,360	1,510	1,140	2,090	1,540	882
1988	2,000	2,720	1,680	1,830	1,460	811
1989	3,620	2,580	2,020	1,320	1,070	739
1990	2,890	1,610	1,400	1,680	4,620	1,460
1991	7,210	2,690	1,710	3,230	2,140	1,100
1992	3,340	6,000	1,890	1,560	1,160	749
1993	4,490	2,060	1,340	1,710	3,190	2,240

Little Chena River at Fairbanks (at gaging station No. 1551100) drains an area of 372 mi<sup>2</sup>, and has a mean annual discharge of 214 ft<sup>3</sup>/s for water years 1966 to 1993 (U.S. Geological Survey, 1976-94). It flows into the Chena River about half way between Moose Creek Dam and Fairbanks.

Chena River at Fairbanks (gaging station No. 15514000) has a drainage area of 2,000 mi<sup>2</sup> and a mean annual discharge of 1,390 ft<sup>3</sup>/s. During 1986 to 1993, mean annual discharges ranged from 34 percent less than long-term mean annual values in calendar year 1987 (921 ft<sup>3</sup>/s) to 29 percent higher than mean annual values in 1991 (1,790 ft<sup>3</sup>/s). Highest flows commonly occur during May, but significant, short-duration high flows often occur during July, August, or September in response to rainfall. The highest instantaneous peak flow measured in the Chena River at Fairbanks occurred on August 15, 1967, and was 74,400 ft<sup>3</sup>/s. During 1986-88, mean monthly discharges in the Chena River at the Fairbanks gaging station were commonly less than long-term mean monthly values during the summer months (table 2). Most notably, mean monthly discharges for May were 44 percent of the mean May value in 1986, 35 percent in 1987, and 51 percent in 1988.

Many low-lying areas near the Chena River are susceptible to flooding. The Chena River generally remains within its banks in the Fort Wainwright, Fairbanks metropolitan, and Fairbanks International Airport areas at discharges less than 15,000 ft<sup>3</sup>/s (as measured at the gaging station in Fairbanks). However, when discharges in the Chena and Tanana Rivers are simultaneously high, the effects of the Tanana's high stage extend several miles up the Chena River and many low-lying areas near the lower part of the Chena River are inundated (Federal Emergency Management Agency, 1988). Flooding can also occur farther upstream. At discharges as low as 8,500 ft<sup>3</sup>/s in the Chena River (as measured at the gaging station below Moose Creek Dam), the Chena River overtops its banks in some areas between Moose Creek Dam and Chena Slough (Federal Emergency Management Agency, 1988).

### Flood-Control Structures

Two flood-control structures have been built by the COE: Moose Creek Dam on the Chena River and a levee along the north bank of the Tanana River (fig. 1); together they are commonly known as the Chena Lakes Project. Moose Creek Dam is a 7.5-mile-long earth embankment that extends from a hill north of Chena River to the Tanana River. Except during periods of high flows (about 10,000 ft<sup>3</sup>/s) in the Chena River and during tests of the dam's control gates, the gates in the dam remain fully open and no water is impounded. During high-flow periods, the gates are partially lowered to limit streamflow below the dam and thus minimize flooding in low areas near the Chena River. The COE operates the control gates of Moose Creek Dam so that the maximum discharge in the Chena River through Fairbanks is 12,000 ft<sup>3</sup>/s. If the quantity of impounded water is great enough, some of the water flows down a floodway alongside the dam, over a 2,000-foot-long, 4-foot-high control sill, and into the Tanana River. The crest of the sill is at an altitude of 506.7 ft above sea level.

Between the time when Moose Creek Dam was completed in 1979 and the summer of 1993, water was impounded in the floodway behind the dam during eight periods and only once has the water level behind the dam been high enough so that some of the impounded water flowed over the spillway into the Tanana River. During the May 30 to June 6, 1992 impoundment, the reservoir level peaked at 507.6 ft on June 4, 1992, and about 37,000 acre-ft of water was diverted from the Chena River to the Tanana River. The altitudes of peak reservoir stages during tests from 1985 through 1986 and during flood-control impoundments in 1989, 1991, and 1992 were as follows (John Schaake, U.S. Army Corps of Engineers, written commun., 1994):

Dates of flow regulation	Peak reservoir stage (feet above sea level)
May 23 to June 3, 1985	505.3
June 24 to 27, 1986	497.6
July 21 to 24, 1986	498.2
August 22 to 28, 1986	500.9
June 27 to 29, 1989	497.5
May 5 to 15, 1991	503.0
August 20, 1991	496.2
May 30 to June 6, 1992	507.6

The Tanana River levee extends about 20 mi along the north bank of the Tanana River, from Moose Creek Dam to the mouth of the Chena River. The levee protects Fairbanks, Fort Wainwright, and North Pole from high stages in the Tanana River and is designed to retain discharges as great as 265,000 ft<sup>3</sup>/s.

Associated with the dam and levee are three interior drainage ditches (channels A, B, and C; fig. 1) which transport overland runoff on the alluvial plain to the Chena River. These drainage channels also transport water that seeps under the levee during periods of high stages in the Tanana River. Many natural distributary channels of the Tanana River, such as Chena Slough and Clear Creek, that previously received Tanana River water during high flows also collect and transport overland runoff and seepage.

## **GROUND-WATER-LEVEL MONITORING NETWORK**

The USGS and COE have intermittently measured water levels in wells in various parts of the alluvial plain since 1967. Three wells (50006, P-251, and P-252) have long-term water-level records and water levels in these wells were measured through 1993 using digital water-level recorders. For this study, a water-level-monitoring network was created using 38 existing wells, 71 wells drilled during the summer of 1986, and 12 drilled in September 1987. The distribution of wells is shown in figure 3. Most wells used in this study are less than 41 ft deep, range from 0.5 to 6 in. in diameter, have casings of polyvinyl chloride (PVC), have 2- to 5-foot-long screens near the bottom of the well, and have a "crest-stage stick" (fig. 4) that records the highest water level in the well between visits. Water levels in these wells were measured by USGS personnel about once a month during summers in 1987 and 1988. Ten wells were equipped with digital water-level recorders to observe the influences of snowmelt, rain, river stage, and dam impoundments on ground-water levels.

The altitude of each well's water-level measuring point (usually a point on the top of the well casing) was determined by level surveys during summers in 1986, 1987, and 1988. Each measuring-point height (the vertical distance from a fixed land-surface datum to the measuring point) was updated each year to reflect any changes in altitude of the measuring point caused by frost jacking or repairs to the well casing. The altitude of most measuring points changed less than 0.2 ft per year, but frost jacking as great as 0.67 ft in a year was measured.

## **GROUND-WATER LEVELS**

Water levels in monitoring wells on the alluvial plain that were measured by USGS personnel from 1986 through 1993 are shown in appendix 1. Water that was frozen in several wells during winter and spring is noted as an "obstruction." Appendix 2 contains the highest water levels that were observed each day in wells equipped with water-level recorders. For each well in the water-level-measurement network, the altitude of land surface at the well, the depth of its openings, and the highest and lowest water levels measured between 1986 and 1988 are listed in table 3. If a highest water-level value was obtained from a "crest-stage stick," it was rounded to the nearest tenth of a foot to be consistent with the accuracy of this type of measurement. Wells that have had measured water levels higher or lower than those measured during 1986-88 are footnoted.

During 1986-88, water levels in wells ranged from slightly above land surface to about 21 ft below land surface. Water levels in 69 of 120 wells were always within 10 ft of land surface and, in about 40 wells, water levels were within 5 ft of land surface at the time of one of the measurements. Seasonal fluctuations in water levels in individual wells ranged from 0.2 ft to about 9 ft and averaged about 3 ft. During a period of high discharges in the Chena River in late June and early July 1989, the water levels measured in 33 of 59 wells were higher than respective peak levels observed during 1986-88. Water levels in wells within about 0.5 mi from a river or reservoir were greatly affected by changes in surface-water stages. Water levels observed during 1986-89 in wells 50006, P-251, and LF-11 are shown in figure 5a. Water levels observed during 1986-93 in wells 50006, P-251, and P-252 are shown in figure 5b.

Well 50006 (fig. 1), which is 113 ft deep, is on Fort Wainwright, about 0.4 mi south of the Chena River and 2.3 mi north of the Tanana River. Water levels in this well (fig. 5a) closely follow in time and direction the changes of stage in the Chena River but water levels show few short-term effects due to changes in the Tanana River. During 1986, the stage of the Chena River at Fairbanks gaging station (about 1.6 mi northwest of well 50006) increased rapidly and exceeded 427 ft above sea level four times: in late June, late July, late August, and mid-October. Each time, the water level in well 50006 rose in concert with Chena River's stage, and the highest ground-water level (430.6 ft above sea level or 12.20 ft below land surface on August 28-30) was closely coincident with the highest river stage (430.8 ft on August 24). During 1987, discharges in Chena River were less than average and the Chena River at Fairbanks stage reached 427 ft only once, on August 22; the Tanana River peaked (424.4 ft) in mid-July. No large rapid rises in water level were recorded in well 50006 during 1987. In 1988, the stage in the Tanana River rose, peaked (424.6 ft) on July 16, and fell slowly through the end of the year while the Chena River stage peaked (430.6 ft) on June 18. The water level in well 50006 peaked (429.7 ft) on June 24-25, and declined while stages in the Tanana River rose. During 1991 and 1992, the stage of Chena River at Fairbanks peaked at about 433 and 432 ft, respectively, whereas water levels in well 50006 peaked at 432.5 and 432.0 ft.

Well P-251 (fig. 1), which is 40 ft deep, is about 0.1 mi west of the Moose Creek Dam near Chena Slough, a former overflow channel of the Tanana River. The well is about 2 mi from an active channel of the Tanana River and about 4.5 mi from Chena River. Water levels in this well (fig. 5a) showed small responses to stage changes in the Chena River, and they showed a delayed response to stage changes in the Tanana River. When water was impounded behind Moose Creek Dam in July and August 1986 (to 498.2 ft and 500.9 ft, respectively), the water level in well P-251 rose slightly, less than 2 ft (fig. 5b). However, during the May and June 1992 impoundment (peak stage was 507.6 ft), the water level in well P-251 rose about 7 ft (to 498.6 ft or 4.84 ft below land surface).

Well P-252 (fig. 1), about 0.3 mi west of Moose Creek Dam, is another 40-foot-deep well. Water levels in this well closely followed in time and direction the water levels in well P-251 (fig. 5b), but the water levels differed in direct response to surface-water drainage effects downstream from the dam. During the May and June 1992 impoundment, water levels in this well rose about 4.5 ft (to 491.9 ft or 2.85 ft below land surface).

Well LF-11 (fig. 1) is at the Fairbanks North Star Borough landfill, about 0.7 mi north of an active Tanana River channel and 2 mi south of the Chena River. The shape of the hydrograph for this well very nearly matches that of the Tanana River hydrograph, especially during 1988. The magnitude of the water-level rise in the well was about 50 percent of the magnitude of the rise in the Tanana River at Fairbanks gaging station (fig. 5a).

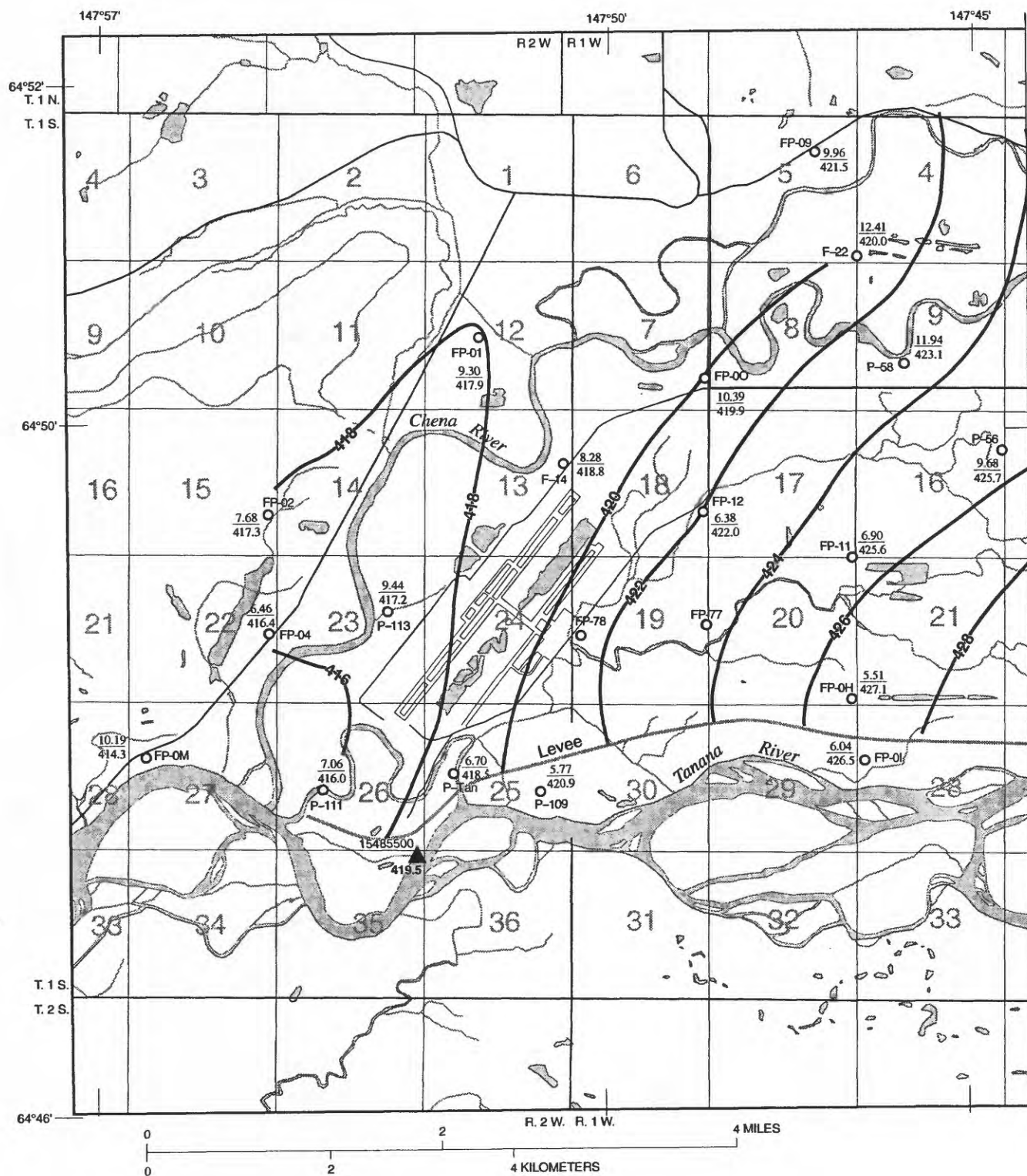
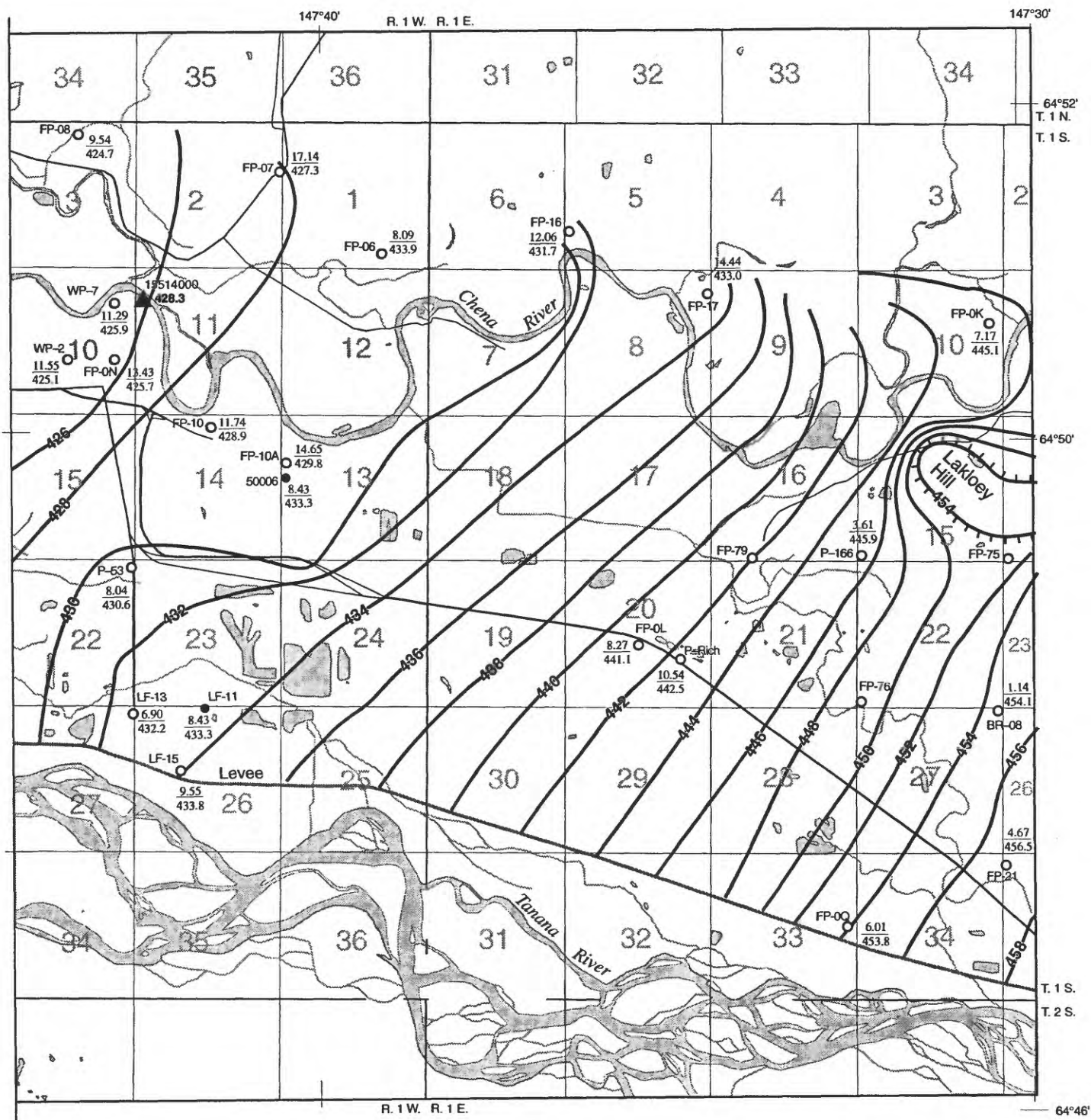


Figure 3a. Ground-water levels during a period of high stage in the Chena River, October 14-17, 1986.





### EXPLANATION

- 438 — Water-table contour—Shows altitude of water table. Contour is 2 feet. Datum is sea level
- ▲ 15485500  
419.5 Stream-gaging station and number—Number with decimal is Stage, in feet above sea level
- LF-13 Water-level monitoring well and field identifier
- LF-11 Water-level monitoring well equipped with a continuous recorder and field identifier
- $\frac{8.43}{433.3}$  Top number is water level, in feet below land surface; negative if water level was above land surface. Bottom number is water level, in feet above sea level

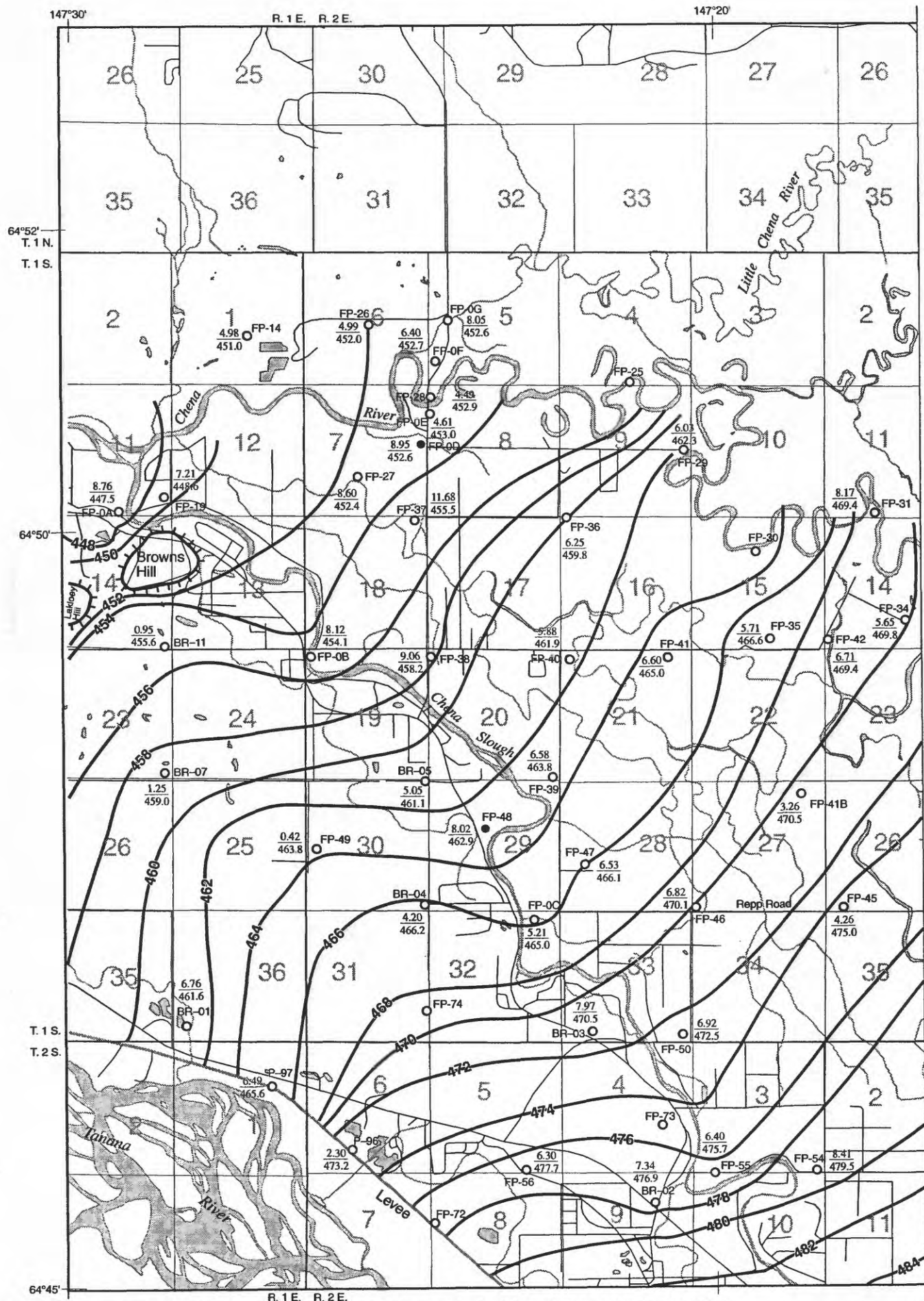
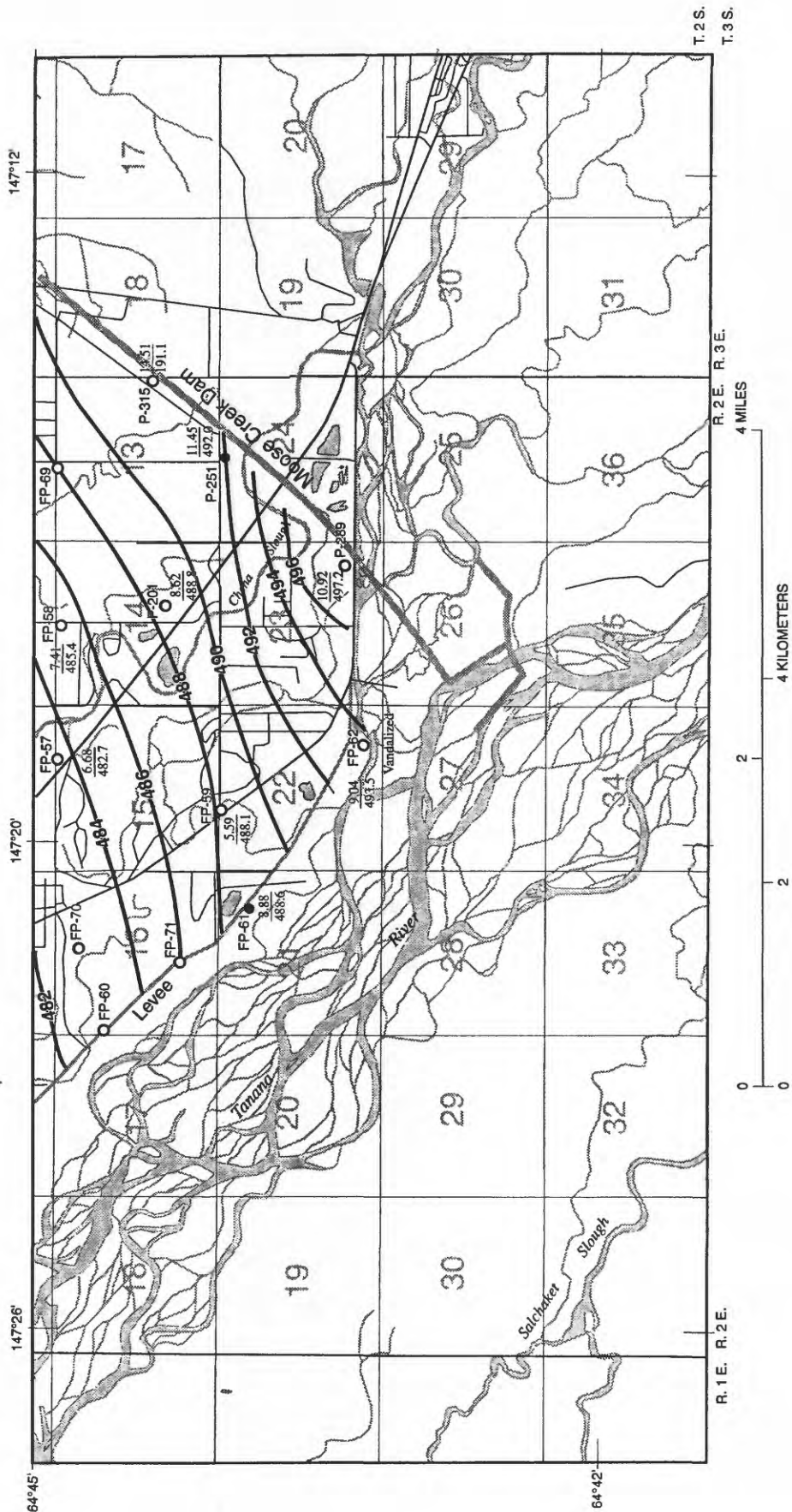


Figure 3b. Ground-water levels during a period of high stage in the Chena River, July 16-17, 1987.



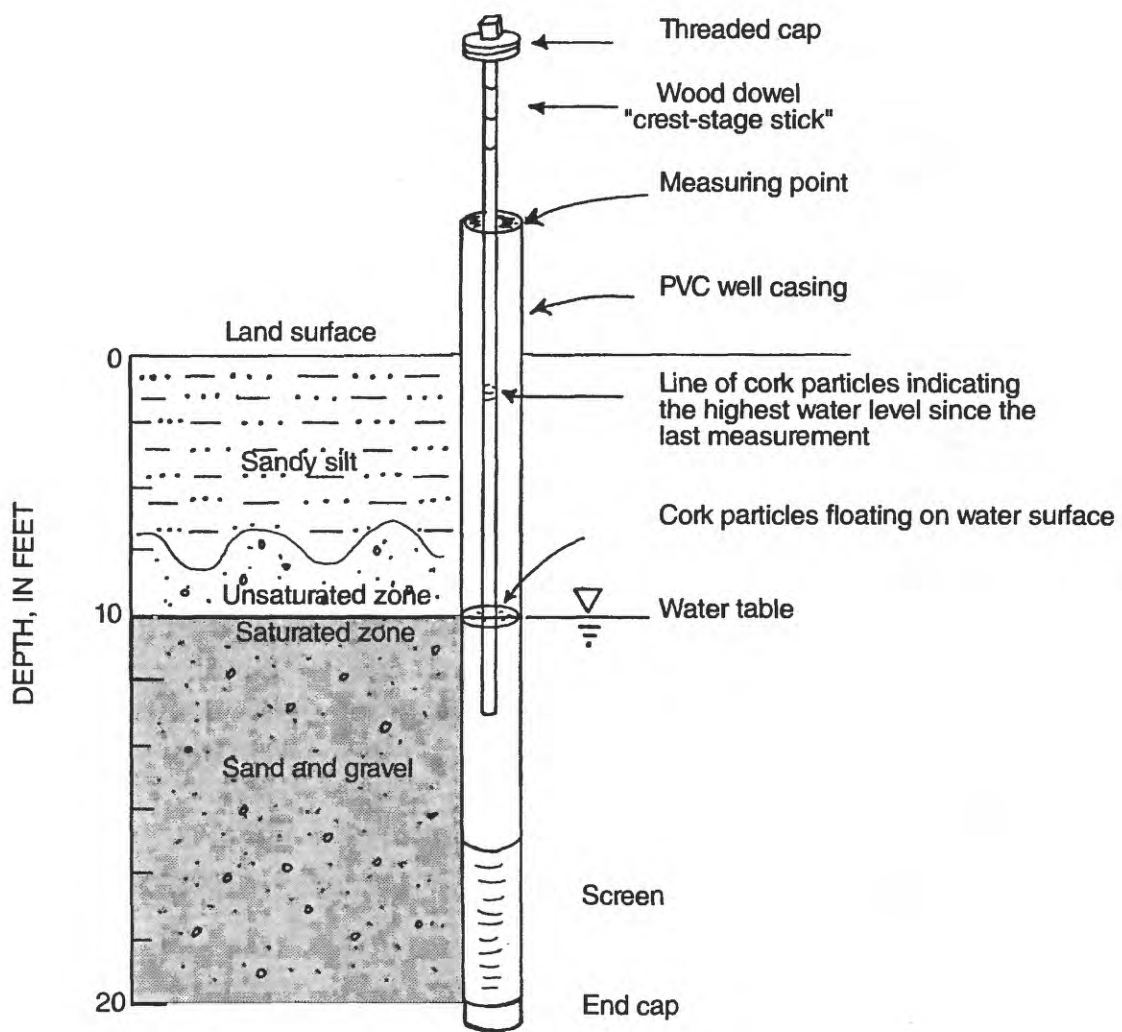




### EXPLANATION

- 496 — Water-table contour—Shows altitude of water table. Contour is 2 feet. Datum is sea level
- 62 Water-level monitoring well and field identifier
- 61 Water-level monitoring well equipped with a continuous recorder and field identifier
- 8.88  
488.6 Top number is water level, in feet below land surface; negative if water level was above land surface. Bottom number is water level, in feet above sea level

Figure 3c. Ground-water levels during a period of high stage in the Chena River, October 14-17, 1986.



**Figure 4.** Construction features of a typical water-level monitoring well.

**Table 3.** Highest and lowest water levels observed in monitoring wells in the Fairbanks area, 1986-88

[All values in feet; --, no data; footnotes at end of table]

Well identification number			Altitude of land surface (feet above sea level)	Bottom of well screen (feet below land surface)	Lowest water level			Highest water level				
Field ID	Local number	Site identifier			Feet below land surface	Feet above sea level	Date	Feet below land surface	Feet above sea level	Date		
Township 1 North, Range 2 East												
FP-0J	FA00100225ACCC1	005	645308147145801	486.9	22.0	16.88	470.02	07/14/87	<sup>a</sup> 10.9	476	10/15/86-05/21/87	
Township 1 South, Range 1 West												
FP-06	FC00100101DCAC1	002	645104147390501	442.0	18.6	12.23	429.77	05/16/88	<sup>a</sup> 7.4	434.6	10/15/86-05/20/86	
FP-07	FC00100102ADAD1	013	645133147403001	444.4	27.6	20.12	424.28	03/30/87	17.14	427.26	10/15/86	
FP-08	FC00100103ABBD1	014	645146147431801	434.2	20.3	12.62	421.58	03/30/88	9.54	424.66	10/16/86	
FP-09	FC00100105ABDD1	017	645138147470901	431.5	22.8	14.74	416.76	08/18/88	9.96	421.54	10/16/86	
F-22	FC00100105DDDA1	018	645103147463301	432.4	22.9	14.09	418.31	07/10/87	12.41	419.99	10/16/86	
FP-0O	FC00100107DDDB1	014	645018147483901	430.3	23.5	13.88	416.42	03/31/88	9.77	420.53	07/20/88	
P-58	FC00100109CACB1	006	645026147445702	435.0	20.0	16.16	418.84	03/30/88	11.94	423.06	10/16/86	
WP-7	FC00100110AACD1	030	645046147424701	437.2	22.3	15.02	422.18	03/30/88	11.29	425.91	10/15/87	
FP-0N	FC00100110DABD1	028	645026147424701	439.1	23.7	16.37	422.73	07/16/87	13.43	425.67	10/16/86	
WP-2	FC00100110DBBC1	029	645026147432601	436.7	17.0	14.64	422.06	03/30/88	11.55	425.15	10/16/86	
FP-10A	FC00100113BCBC1	023	644944147402601	444.5	27.3	17.28	427.22	03/30/88	14.65	429.85	10/15/86	
<sup>b</sup> 50006	FC00100113BCCC1	022	644944147402501	442.8	113	<sup>c</sup> 15.29	427.51	04/26/86	<sup>c</sup> 12.20	430.6	08/29/86	
FP-10	FC00100114ABBC1	005	645002147412601	440.6	22.5	14.56	426.04	03/30/88	11.74	428.86	10/15/86	
P-56	FC00100116ADAA1	001	644953147443401	435.4	19.0	<sup>c</sup> 11.11	424.29	06/03/87	<sup>a</sup> 7.8	427.6	10/16/86-06/03/87	
FP-11	FC00100117DDDD1	012	644915147463701	432.5	21.5	10.31	422.19	08/05/86	6.43	426.07	08/16/88	
FP-12	FC00100118DADC1	005	644925147484301	428.4	22.3	9.08	419.32	03/31/88	<sup>a</sup> 4.8	423.6	08/07/86-10/16/86	
FP-77	FC00100119ADDD1	003	644851147483701	428.7	19.	8.90	419.8	02/19/88	4.57	424.13	07/14/88	
FP-78	FC00100119CBBB1	004	644847147502101	425.9	19.	4.52	421.38	09/14/87	3.50	422.4	07/14/88	
FP-0H	FC00100120DDDD1	005	644825147463701	432.6	22.4	8.25	424.35	03/31/88	<sup>a</sup> 3.2	429.4	10/16/86-05/19/87	
P-53	FC00100122AAAA2	002	644912147423202	438.6	17.7	<sup>c</sup> 9.46	429.14	07/16/87	<sup>c</sup> 6.1	432.5	10/16/86-06/16/87	
<sup>b</sup> LF-11	FC00100126BAAA2	016	644752147415801	441.7	13.6	10.23	431.47	03/30/88	<sup>c</sup> 7.28	434.42	07/18/88	
LF-15	FC00100126CAAC1	006	644741147411501	443.3	24.0	10.66	432.64	04/03/88	5.00	438.30	07/18/88	
LF-13	FC00100127AAAA1	004	644751147423501	439.1	16.5	9.77	429.33	01/29/87	5.98	433.12	08/04/86	
FP-0I	FC00100128BCCC1	004	644757147462401	432.5	21.8	7.26	425.24	03/31/88	1.52	430.98	07/16/87	

**Table 3. Highest and lowest water levels observed in monitoring wells in the Fairbanks area, 1986-88 (Continued)**

[All values in feet; --, no data; footnotes at end of table]

Well identification number			Altitude of land surface (feet above sea level)	Bottom of well screen (feet below land surface)	Lowest water level			Highest water level				
Field ID	Local number	Site identifier			Feet below land surface	Feet above sea level	Date	Feet below land surface	Feet above sea level	Date		
Township 1 South, Range 2 West												
FP-01	FC00100212CACD1 004	645032147514701	427.2	21.2	12.19	415.01	03/31/88	<sup>a</sup> 7.8	419.4	08/07/86-10/16/86		
F-14	FC00100213ADDD1 001	644948147503201	427.1	26.5	<sup>c</sup> 10.87	416.23	03/31/88	<sup>c</sup> 6.49	420.61	07/20/88		
FP-02	FC00100215DADD1 013	644929147544001	425.0	22.9	10.25	414.75	03/31/88	<sup>a</sup> 5.5	419.5	08/07/86-10/16/86		
FP-04	FC00100222DAAA1 015	644847147543901	422.9	16.6	8.26	414.64	07/20/88	-0.16	423.06	07/16/87		
P-113	FC00100223ACAD1 002	644855147530101	426.6	27.0	10.34	416.26	06/03/87	<sup>c</sup> 6.17	420.43	07/20/88		
P-TAN	FC00100225BCDD1 003	644758147520601	425.2	--	7.63	417.57	03/31/88	<sup>a</sup> 3.0	422.2	07/16/87-08/08/87		
P-109	FC00100225DABB1 004	644752147505401	426.7	23.0	<sup>c</sup> 7.39	419.31	03/31/88	2.40	424.3	07/16/87		
P-111	FC00100226CABB1 001	644752147541101	425.5	27.0	<sup>c</sup> 8.40	417.1	05/19/87	2.63	422.87	07/16/87		
FP-0M	FC00100227BCBD1 002	644803147562001	424.5	21.7	11.45	413.05	10/06/87	5.69	418.81	07/20/88		
Township 1 South, Range 1 East												
FP-14	FD00100101DBCC1 001	645118147271401	456.0	21.7	10.18	445.82	04/01/88	4.77	451.23	09/02/86		
FP-16	FD00100105CBCC1 002	645112147362901	443.8	22.0	15.62	428.18	03/30/88	12.06	431.74	10/15/86		
FP-17	FD00100108AADA1 014	645050147343301	447.4	19.2	16.73	430.67	05/16/88	<sup>a</sup> 12.8	434.6	10/16/86-05/20/87		
FP-0K	FD00100110ADAC1 001	645040147303801	452.3	22.2	9.94	442.36	07/17/87	<sup>a</sup> 6.2	446.1	10/15/86-05/20/87		
FP-0A	FD00100111DCCD1 003	645006147291401	456.3	21.4	9.97	446.33	06/26/87	<sup>a</sup> 7.9	448.4	10/15/86-06/26/87		
FP-19	FD00100111DDDA1 002	645014147283001	455.8	22.7	8.63	447.17	07/15/87	7.21	448.59	10/15/86		
FP-75	FD00100114CCCC2 003	644916147302202	457.0	18.5	9.22	447.78	04/02/88	7.14	449.86	08/17/88		
BR-11	FD00100114DDDD1 004	644915147283001	456.6	6.4	<sup>c</sup> 3.57	453.03	04/02/88	<sup>a,d</sup> 0.0	456.6	09/15/86-10/15/86		
P-166	FD00100115CCCC1 004	644917147322401	449.5	19.0	<sup>c</sup> 6.20	443.3	04/02/88	<sup>c</sup> 3.55	445.95	08/04/86		
FP-79	FD00100116CDCC1 005	644916147335501	449.7	19.6	8.23	441.47	05/16/88	7.17	442.53	08/17/88		
FP-0L	FD00100120CAAA1 002	644841147351301	449.4	22.6	9.65	439.75	05/16/88	<sup>a,c</sup> 8.0	441.4	08/20/86-10/15/86		
P-RICH	FD00100120DACB1 003	644837147342701	453.0	--	11.34	441.66	05/16/88	<sup>a</sup> 9.5	443.5	10/15/86-06/22/87		
<sup>b</sup> FP-76	FD00100122CCCC1 004	644825147322401	454.0	19.0	5.78	448.22	04/02/88	<sup>c</sup> 3.44	450.56	08/10/88		
BR-08	FD00100122DDDD1 003	644822147303001	455.2	5.8	3.61	451.59	12/02/87	.20	455	05/16/88		
BR-07	FD00100123DDDD1 001	644822147283001	460.2	7.6	5.17	455.03	12/02/87	<sup>a,c</sup> 1.0	459.2	09/03/86-10/15/86		



**Table 3. Highest and lowest water levels observed in monitoring wells in the Fairbanks area, 1986-88 (Continued)**

[All values in feet; --, no data; footnotes at end of table]

Well identification number			Altitude of land surface (feet above sea level)	Bottom of well screen (feet below land surface)	Lowest water level			Highest water level		
Field ID	Local number	Site identifier			Feet below land surface	Feet above sea level	Date	Feet below land surface	Feet above sea level	Date
FP-0Q	FD00100133ADDD1 004	644705147323501	459.8	--	6.69	453.11	07/16/87	<sup>a</sup> 4.4	455.4	10/14/86-07/07/87
FP-21	FD00100134AAAA1 002	644727147302301	461.2	16.4	6.23	454.97	04/02/88	3.89	457.31	07/20/88
BR-01	FD00100136CCCA1 001	644645147281001	468.4	18.1	7.46	460.94	04/02/88	4.04	464.36	07/19/88
Township 1 South, Range 2 East										
FP-25	FD00100204DCCC1 001	645100147211901	463.9	13.4	9.06	454.84	07/02/87	<sup>a</sup> 3.3	460.6	10/09/87-09/08/88
FP-0G	FD00100205CBAB1 001	645124147240801	460.6	21.5	12.17	448.43	04/01/88	7.00	453.6	08/25/86
FP-0F	FD00100205CCBA1 002	645108147242001	459.1	21.9	11.21	447.89	04/01/88	<sup>a</sup> 3.4	455.7	09/11/86-10/15/86
FP-26	FD00100206CAAB1 001	645123147253501	457.0	22.0	10.75	446.25	04/01/88	<sup>c</sup> 4.99	452.01	10/15/87
<sup>b</sup> FP-0D	FD00100207ADDA1 002	645035147243301	461.9	21.9	11.70	450.2	04/04/88	<sup>a</sup> 8.2	453.7	08/25/86-10/15/86
FP-27	FD00100207CADC1 001	645022147253201	461.0	22.5	10.98	450.02	04/03/88	<sup>a,c</sup> 8.3	452.7	10/15/86-06/22/87
FP-37	FD00100207DDDD1 003	645005147243901	467.2	22.0	13.93	453.27	04/03/88	<sup>a</sup> 11.4	455.8	09/13/86-10/15/86
FP-28	FD00100208BBCB1 001	645051147242801	457.4	21.9	9.04	448.36	04/01/88	<sup>a</sup> 1.5	455.9	08/25/86-10/15/86
FP-0E	FD00100208BBCC1 002	645047147242501	457.6	23.9	9.17	448.43	04/01/88	<sup>a</sup> 1.8	455.8	08/25/86-10/15/86
FP-29	FD00100209ADDD1 003	645033147202901	468.3	23.2	9.70	458.6	11/05/87	<sup>a,c</sup> 5.8	462.5	09/11/86-10/15/86
FP-31	FD00100211CDDC1 001	645008147173201	477.6	23.0	13.01	464.59	07/20/87	4.45	473.15	08/25/86
FP-33	FD00100213CCBC1 001	644922147161501	479.4	11.9	Dry	--	10/09/87	9.84	469.56	09/08/88
FP-42	FD00100214CCCB1 002	644918147181601	476.1	24.1	9.71	466.39	04/03/88	<sup>a</sup> 5.5	470.6	08/25/86-10/14/86
FP-34	FD00100214DCAB1 001	644926147170501	475.5	22.0	8.98	466.52	05/01/88	<sup>a</sup> 4.6	470.9	08/29/86-10/14/86
FP-30	FD00100215ABCC1 001	644953147192301	472.5	14.0	Dry	--	10/09/87	<sup>a</sup> 3.8	468.7	04/03/88-09/08/88
FP-35	FD00100215DCCA1 002	644926147200201	472.3	22.1	8.20	464.1	04/03/88	5.32	466.98	08/29/86
FP-36	FD00100216BBBB1 001	645004147222401	466.0	22.1	9.15	456.85	04/03/88	<sup>c</sup> 6.25	459.75	10/15/86
FP-0B	FD00100219BBBB1 010	644911147262001	462.2	21.9	8.93	453.27	05/16/88	<sup>c</sup> 7.86	454.34	08/19/88
BR-05	FD00100219DDDD1 009	644822147243001	466.1	12.9	<sup>c</sup> 5.58	460.52	07/17/87	<sup>c</sup> 4.96	461.14	07/21/88
FP-38	FD00100220BBBB1 002	644911147242501	467.3	23.7	10.18	457.12	12/02/87	<sup>a,c</sup> 8.7	458.6	09/01/86-10/15/86

**Table 3. Highest and lowest water levels observed in monitoring wells in the Fairbanks area, 1986-88 (Continued)**

[All values in feet; --, no data; footnotes at end of table]

Well identification number			Altitude of land surface (feet above sea level)	Bottom of well screen (feet below land surface)	Lowest water level			Highest water level		
Field ID	Local number	Site identifier			Feet below land surface	Feet above sea level	Date	Feet below land surface	Feet above sea level	Date
FP-39	FD00100220DDDD1 003	644836147222801	470.4	19.8	7.30	463.1	06/26/87	5.46	464.94	05/17/88
FP-41	FD00100221AAAB1 001	644911147204401	471.6	22.9	8.67	462.93	07/17/87	<sup>c</sup> 6.45	465.15	09/04/86
FP-40	FD00100221BBBB1 002	644910147221501	467.8	20.1	7.39	460.41	07/17/87	<sup>a,c</sup> 5.3	462.5	09/11/86-10/14/86
FP-43	FD00100224DCCD1 001	644832147150601	486.0	13.7	11.28	474.72	04/03/88	<sup>a</sup> 5.3	480.7	10/03/86-07/02/87
FP-41B	FD00100227AABB1 002	644817147184101	473.8	15.1	5.99	467.81	04/01/88	<sup>c</sup> 3.26	470.54	10/14/86
FP-46	FD00100227CCCC1 001	644732147201901	476.9	22.8	7.81	469.09	06/30/87	6.10	470.8	08/18/88
FP-47	FD00100228CBCB1 001	644750147221201	472.6	21.7	7.06	465.54	03/31/88	<sup>a,c</sup> 6.4	466.2	09/12/86-10/14/86
<sup>b</sup> FP-48	FD00100229BDDC1 001	644758147233401	470.9	22.2	8.68	462.22	06/17/87	7.70	463.2	07/21/88
FP-49	FD00100230CBAB1 001	644755147261001	464.2	22.2	6.37	457.83	04/03/88	0.42	463.78	10/15/87
BR-04	FD00100231AAAA1 001	644728147243001	470.4	13.5	6.94	463.46	03/31/88	4.20	466.2	10/15/86
FP-74	FD00100231DADD1 002	644653147242501	472.0	18.5	7.58	464.42	04/03/88	5.19	466.81	07/22/88
FP-0C	FD00100232AABB1 009	644727147224901	470.2	21.9	5.42	464.78	05/17/88	<sup>c</sup> 4.86	465.34	08/17/88
BR-03	FD00100233CDCC1 001	644643147215501	478.5	18.3	<sup>c</sup> 8.06	470.44	09/18/87	<sup>c</sup> 7.63	470.87	07/19/88
FP-50	FD00100233DDDD1 001	644642147201801	479.4	23.6	7.56	471.84	05/16/88	<sup>a</sup> 6.4	473	09/11/86-10/14/86
FP-45	FD00100235BBAB1 002	644732147180201	479.3	22.4	6.82	472.48	04/01/88	4.26	475.04	10/14/86
FP-51	FD00100235DDDD1 001	644638147162001	485.1	21.6	8.30	476.8	04/01/88	<sup>a</sup> 5.6	479.5	09/11/86-10/14/86
FP-44	FD00100236ABBB1 001	644727147150601	483.0	22.0	<sup>c</sup> 4.04	478.96	09/11/86	3.29	479.71	10/14/86
<sup>b</sup> FP-52	FD00100236DDDD1 002	644645147152201	486.7	22.3	8.21	478.49	04/01/88	4.80	481.9	08/28/86
<b>Township 1 South, Range 3 East</b>										
P-406	FD00100321ACCB1 001	644851147091301	503.9	26.9	19.96	483.94	04/01/88	14.15	489.75	09/15/86
FP-66	FD00100328BBCB1 001	644816147101601	497.5	22.9	13.21	484.29	11/09/87	<sup>a,c</sup> 10.0	487.5	09/15/86-10/14/86
P-380	FD00100329DADC1 002	644744147103301	492.8	14.5	10.25	482.55	04/01/88	<sup>c</sup> 5.60	487.2	10/14/86
<sup>b</sup> FP-65	FD00100330BDCB1 001	644759147134501	495.0	27.7	19.27	475.73	03/16/88	<sup>a,c</sup> 13.0	482	10/14/86-04/07/87
FP-68	FD00100331BADA1 002	644721147132201	494.7	27.5	16.60	478.1	04/01/88	<sup>c</sup> 12.91	481.79	06/24/88
P-367	FD00100332ACCC1 001	644703147110801	494.9	28.8	14.17	480.73	04/01/88	<sup>c</sup> 10.22	484.68	10/14/86
<b>Township 2 South, Range 1 East</b>										
P-97	FD00200101ACBA1 001	644624147271501	472.1	23.0	<sup>c</sup> 7.00	465.1	10/09/86	4.09	468.01	07/13/88

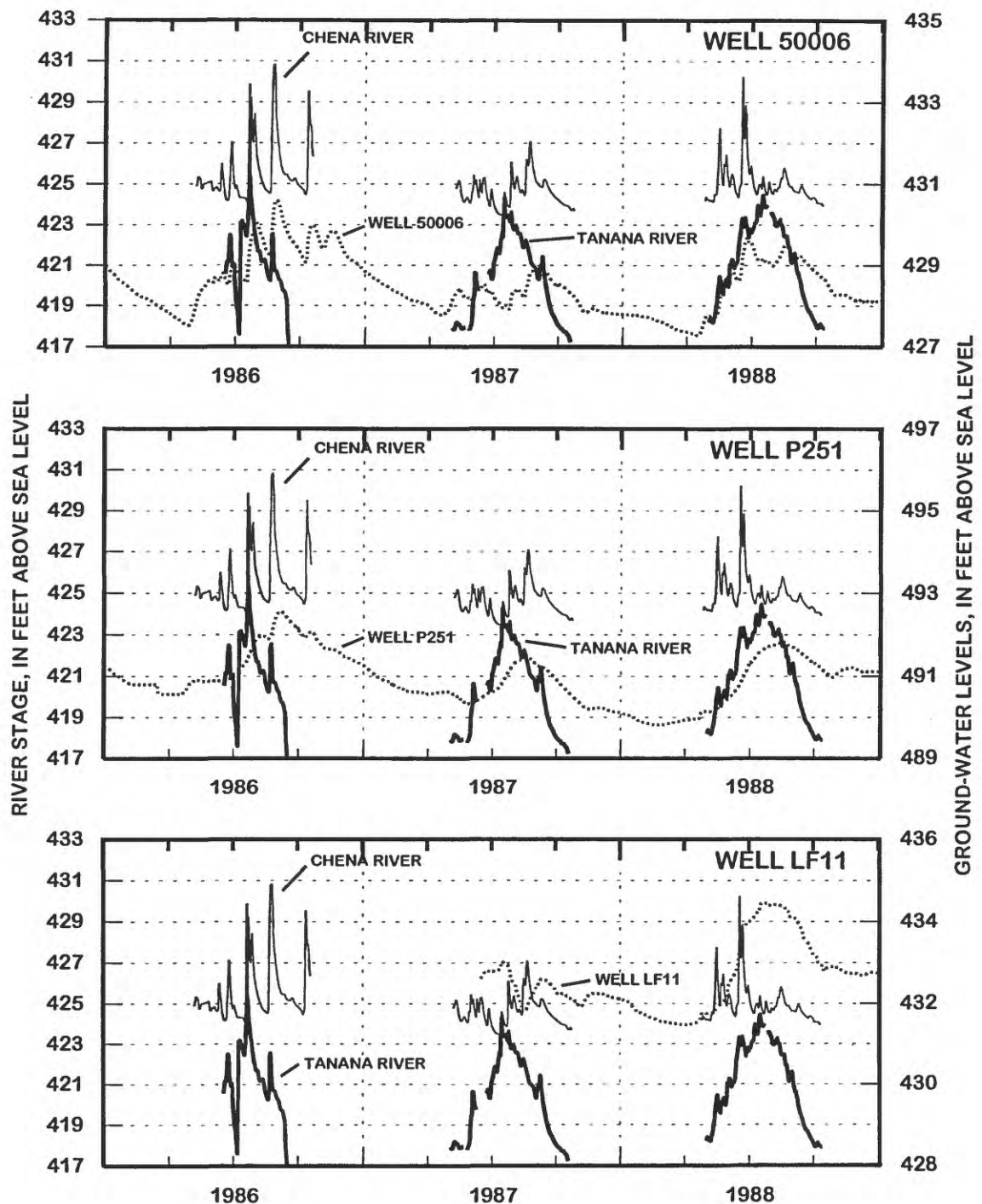
**Table 3.** Highest and lowest water levels observed in monitoring wells in the Fairbanks area, 1986-88 (Continued)

[All values in feet; —, no data; footnotes at end of table]

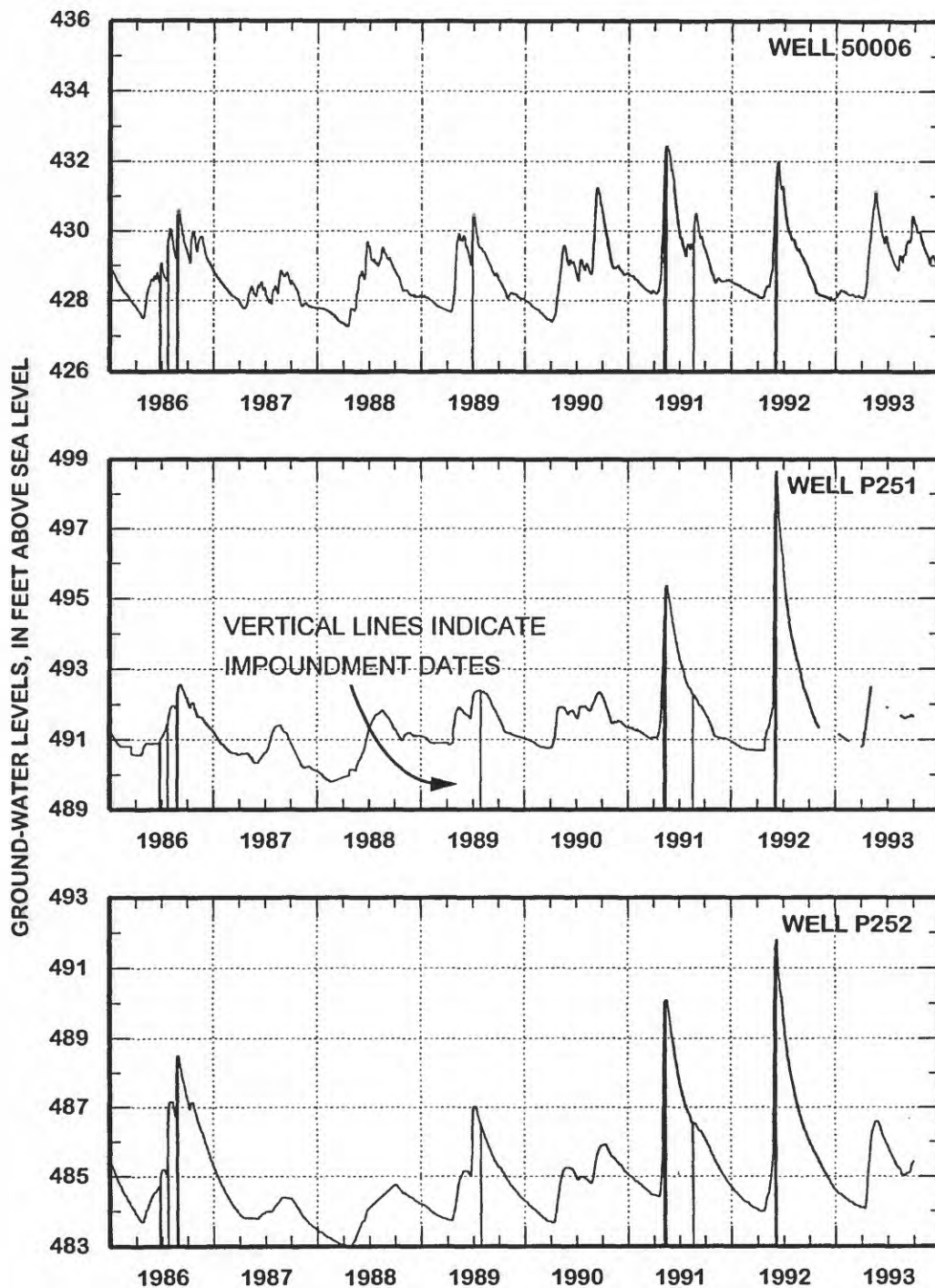
Well identification number			Altitude of land surface (feet above sea level)	Bottom of well screen (feet below land surface)	Lowest water level			Highest water level				
Field ID	Local number	Site identifier			Feet below land surface	Feet above sea level	Date	Feet below land surface	Feet above sea level	Date		
Township 2 South, Range 2 East												
FP-53	FD00200201CCCC1 001	644547147160601	489.9	22.8	9.93	479.97	03/31/88	<sup>a</sup> 7.3	482.6	10/16/86-07/01/87		
FP-55	FD00200203CCDC1 003	644547147200201	482.1	20.4	6.60	475.5	07/01/87	<sup>a</sup> 5.7	476.4	10/14/86-07/01/87		
FP-54	FD00200203DDDD1 002	644548147182801	487.9	23.0	11.00	476.9	07/09/86	<sup>c</sup> 8.41	479.49	10/14/86		
FP-73	FD00200204DABC1 002	644606147205001	481.0	20.0	6.98	474.02	05/16/88	<sup>c</sup> 6.19	474.81	03/31/88		
FP-56	FD00200205DCDD1 001	644548147225701	484.0	--	7.71	476.29	04/02/88	<sup>a,c</sup> 5.6	478.4	07/07/87-07/17/87		
P-96	FD00200206CDAB1 001	644556147253801	475.5	23.1	<sup>c</sup> 2.30	473.2	10/14/86	1.77	473.73	07/07/87		
FP-72	FD00200208BCBC1 004	644527147242201	480.8	18.0	7.47	473.33	04/02/88	4.65	476.15	07/13/88		
BR-02	FD00200209ABDD1 004	644535147205701	484.2	19.1	<sup>c</sup> 7.53	476.67	05/16/88	<sup>a</sup> 6.1	478.1	10/15/86-07/02/87		
FP-57	FD00200210DCDC1 006	644453147185901	489.4	21.2	7.33	482.07	04/02/88	<sup>c</sup> 6.36	483.04	07/19/88		
FP-58	FD00200211DCCC1 001	644452147172001	492.8	--	8.87	483.93	04/02/88	<sup>c</sup> 7.34	485.46	08/28/86		
FP-69	FD00200212CDDD1 003	644453147152301	497.2	21.5	10.80	486.4	04/02/88	9.19	488.01	08/18/88		
P-201	FD00200214DBDB1 001	644419147170501	497.4	20.0	<sup>c</sup> 8.82	488.58	10/09/86	<sup>c</sup> 8.62	488.78	10/14/86		
FP-59	FD00200215CDD1 001	644401147193601	493.6	21.9	6.36	487.24	04/02/88	<sup>c</sup> 3.60	490	07/19/88		
FP-70	FD00200216ABBC1 004	644446147212001	489.4	18.0	7.04	482.36	04/02/88	<sup>c</sup> 4.28	485.12	07/21/88		
FP-60	FD00200216BBCC1 003	644438147222001	487.4	20.6	5.18	482.22	04/02/88	<sup>a</sup> 1.3	486.1	07/16/87-12/01/87		
FP-71	FD00200216CADC1 005	644414147213001	491.8	23.0	7.13	484.67	04/02/88	<sup>c</sup> 3.85	487.95	07/13/88		
<sup>b</sup> FP-61	FD00200221ABAD1 001	644352147205001	497.5	21.2	9.94	487.56	04/02/88	6.03	491.47	07/19/88		
FP-62	FD00200222DDBC1 003	644316147184801	502.5	15.5	9.04	493.46	10/14/86	5.12	497.38	07/19/88		
P-289	FD00200223DDAB1 001	644322147163501	508.1	14.5	11.04	497.06	07/07/87	<sup>c</sup> 9.59	498.51	07/19/88		
<sup>b</sup> P-251	FD00200224ABBB1 001	644400147151501	503.4	40.0	13.58	489.82	12/02/87	<sup>c</sup> 11.00	492.4	02/27/86		
Township 2 South, Range 3 East												
P-351	FD00200305BCAA1 001	644616147115101	496.2	21.0	14.34	481.86	11/09/87	<sup>c</sup> 11.03	485.17	10/14/86		
<sup>b</sup> P-252	FD00200307ACBD1 001	644528147131201	494.6	40.0	<sup>c</sup> 11.62	482.98	04/01/88	<sup>c</sup> 6.14	488.46	08/30/86		
P-315	FD00200318CBBB1 004	644423147141801	505.6	23.0	17.44	488.16	04/01/88	<sup>c</sup> 14.51	491.09	10/14/86		

<sup>a</sup>Water level value determined from a crest-stage stick<sup>b</sup>Well has recorder<sup>c</sup>A higher or lower water level was measured prior to 1986 or after 1988, see appendix 1 or appendix 2<sup>d</sup>Estimated to be between 0 and 0.5 ft above land surface





**Figure 5a.** Fluctuations of water levels in wells 50006, P251, and LF-11, and the stages of the Chena River at Fairbanks and the Tanana River at Fairbanks, 1986 through 1988.



**Figure 5b.** Ground-water levels at wells 50006, P251, and P252, and associated periods of impoundment behind Moose Creek Dam. (Impoundment dates are June 24-27, 1986; July 21-24, 1986; August 22-28, 1986; June 27-29, 1989; May 5-15, 1991; August 20, 1991; and May 30 to June 6, 1992.)

## CONFIGURATION OF THE WATER TABLE

The water table is the upper surface of saturated unconfined aquifer materials and is the level at which water stands in wells that are just deep enough to penetrate the saturated materials. During four different periods, water levels were measured once in most wells within a 2- to 5-day interval. Maps were made showing the water level measured in each well. Each water level was referenced to its position relative to the land surface at the well (a negative water-level value indicates a water level above land surface) and to its altitude above sea level. The configuration of the water table was determined by drawing contours of equal ground-water-level altitude. However, all water-table contours shown should be considered approximately located because the water-level values that they are derived from are widely spaced and local geologic and drainage conditions vary widely. Ground-water flow is perpendicular to water-level-altitude contours and in the direction from higher to lower water-level altitude. Water-table configurations are shown for periods during high stage in the Chena River (fig. 3), high stage in the Tanana River (fig. 6), and low stages in both rivers (fig. 7). River stages during the water-level-measurement periods are shown on table 4. The water table generally sloped downward toward the northwest, from the Tanana River to the Chena River, in the general direction of the topographic gradient. However, during periods of high stages on the Chena River and its tributary streams, ground-water gradients and flow directions reversed locally.

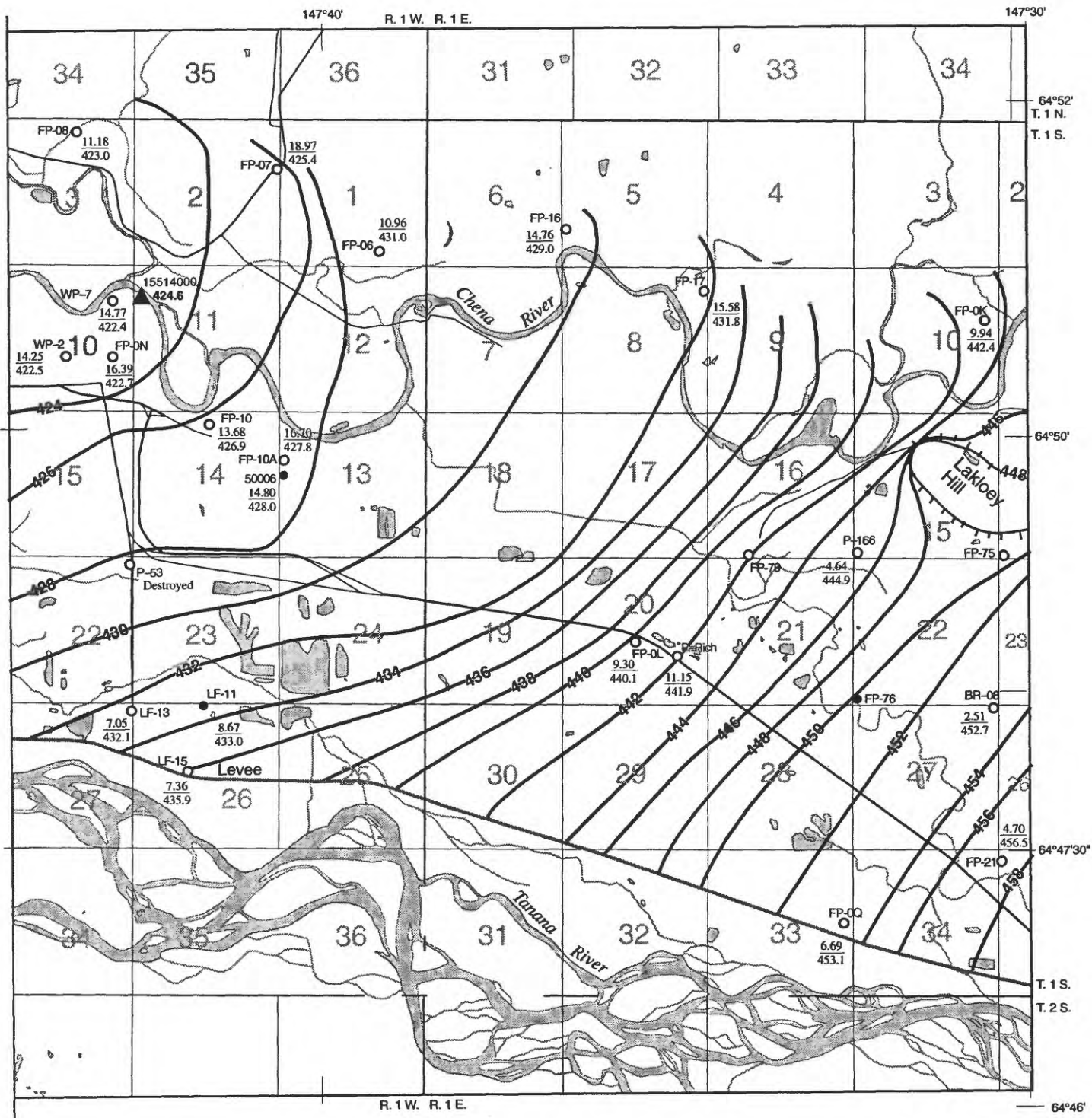
A water-table configuration based on ground-water-level measurements made during October 14-17, 1986 is shown in figure 3. The stages of the Chena River at Fairbanks gaging station rose about 4 ft from levels during the few weeks previous to the ground-water measurements, whereas the stage at the Tanana River at Fairbanks gaging station dropped from the levels of the previous few weeks. Ground-water levels in 108 wells during this period ranged from 0.4 to 17.1 ft below land surface and averaged about 8 ft below land surface. About one-third of the wells had water levels that were higher during this period than at any other time during 1986-88. Even though the stage of Chena River was high and the Tanana River was low, the water table beneath the alluvial plain sloped downward at approximately 4 ft/mi toward the northwest.

The configuration of the water table shown in figure 6 is based on ground-water levels measured during July 16-17, 1987, when the Tanana River was at a high stage. The highest daily mean discharge for Tanana River at Fairbanks during summer 1987 was 85,400 ft<sup>3</sup>/s and occurred on July 16. Daily mean discharges in the Chena River during mid-July 1987 were less than average July values. Water levels in 103 wells ranged from 0.16 above land surface to about 19 ft below land surface and averaged about 9 ft below land surface.

The configuration of the water table shown in figure 7 is based on ground-water levels measured from March 30 through April 3, 1988, when stages in both rivers were low. Ground-water levels in 91 wells ranged from 3.6 to 20.1 ft below land surface and averaged about 10 ft below land surface. However, water was frozen in 14 wells that usually have high water levels so the average depth-to-water value may have been less than 10 ft if water levels from these 10 wells were available. Even though half the wells had their lowest recorded water levels during this period, the shape of the regional water table, flow directions, and regional gradients are generally similar to those in October 1986 and July 1987 when water levels were higher.







### EXPLANATION

- 438 — Water-table contour—Shows altitude of water table. Contour is 2 feet. Datum is sea level
- ▲ 15485500  
419.5 Stream-gaging station and number—Number with decimal is Stage, in feet above sea level
- LF-13 Water-level monitoring well and field identifier
- LF-11 Water-level monitoring well equipped with a continuous recorder and field identifier
- $\frac{7.36}{435.7}$  Top number is water level, in feet below land surface; negative if water level was above land surface. Bottom number is water level, in feet above sea level

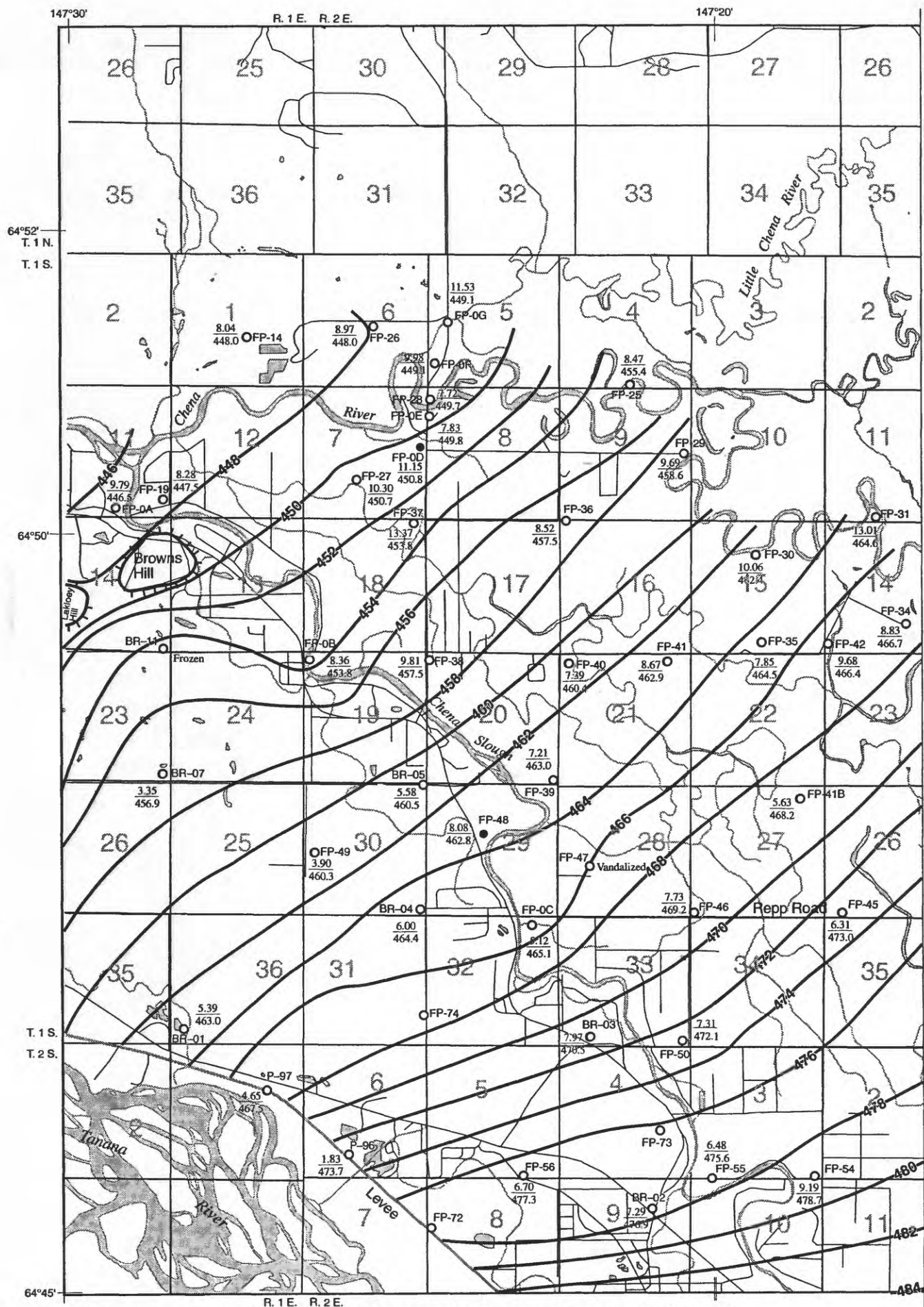


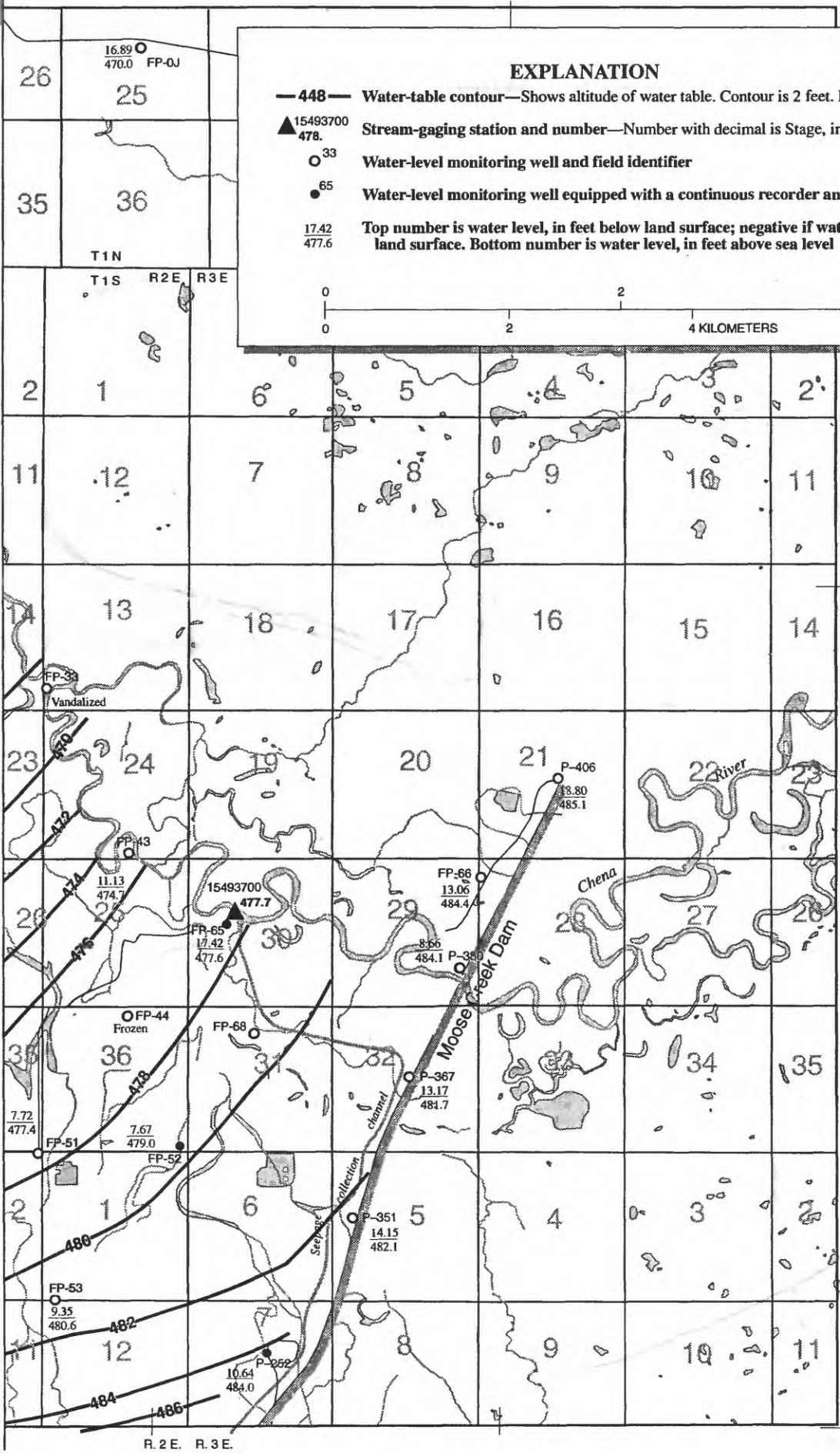
Figure 6b. Ground-water levels during a period of high stage in the Tanana River, July 16–17, 1987.

### EXPLANATION

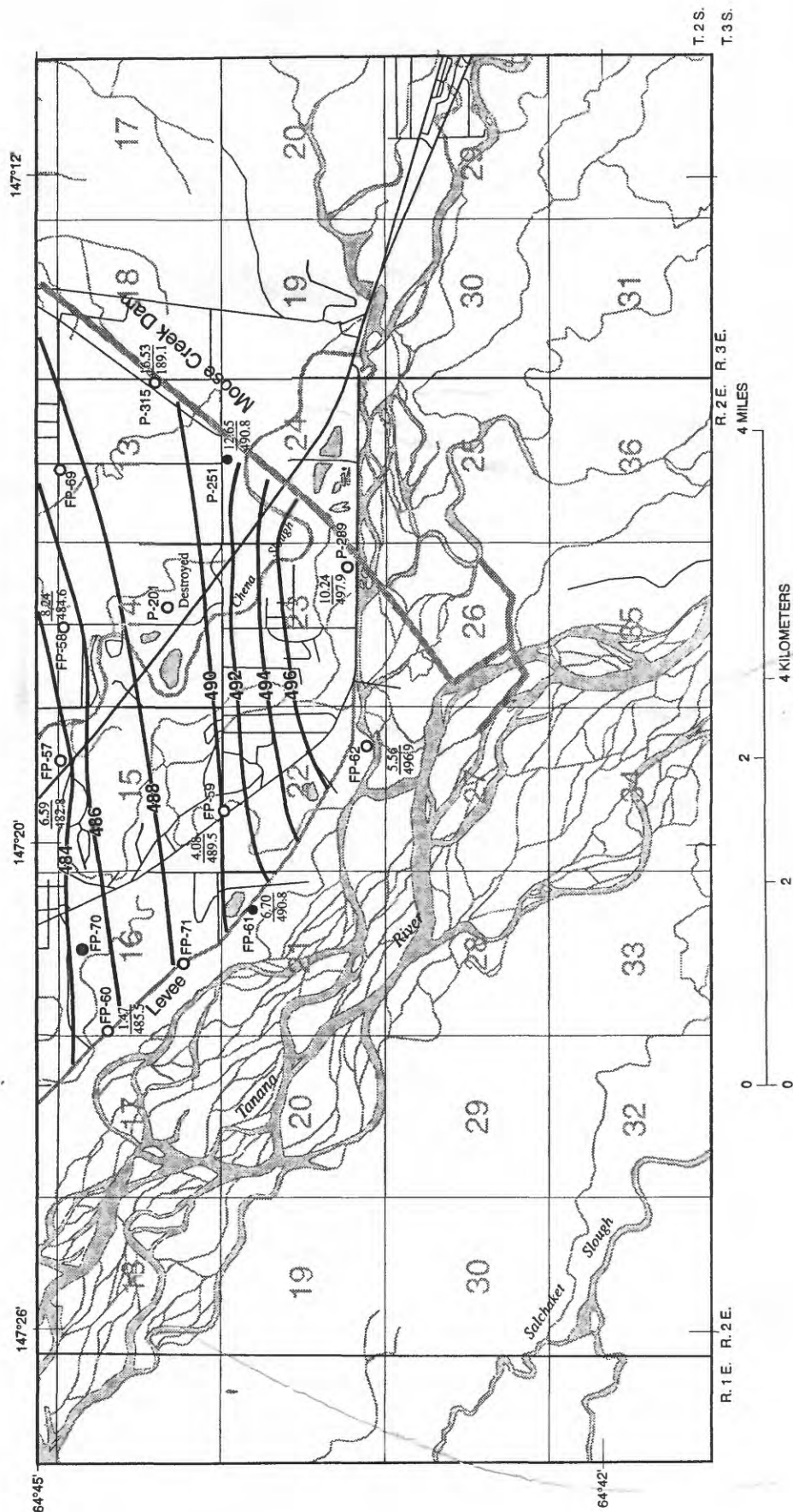
- 448—** Water-table contour—Shows altitude of water table. Contour is 2 feet. Datum is sea level
- ▲15493700  
478.** Stream-gaging station and number—Number with decimal is Stage, in feet above sea level
- <sup>33</sup>** Water-level monitoring well and field identifier
- <sup>65</sup>** Water-level monitoring well equipped with a continuous recorder and field identifier
- 17.42  
477.6** Top number is water level, in feet below land surface; negative if water level was above land surface. Bottom number is water level, in feet above sea level

0 2 4 MILES

0 2 4 KILOMETERS







### EXPLANATION

- 496 — Water-table contour—Shows altitude of water table. Contour is 2 feet. Datum is sea level
- <sup>62</sup> Water-level monitoring well and field identifier
- <sup>61</sup> Water-level monitoring well equipped with a continuous recorder and field identifier
- 5.56  
496.9 Top number is water level, in feet below land surface; negative if water level was above land surface. Bottom number is water level, in feet above sea level

Figure 6c. Ground-water levels during a period of high stage in the Tanana River, July 16–17, 1987.



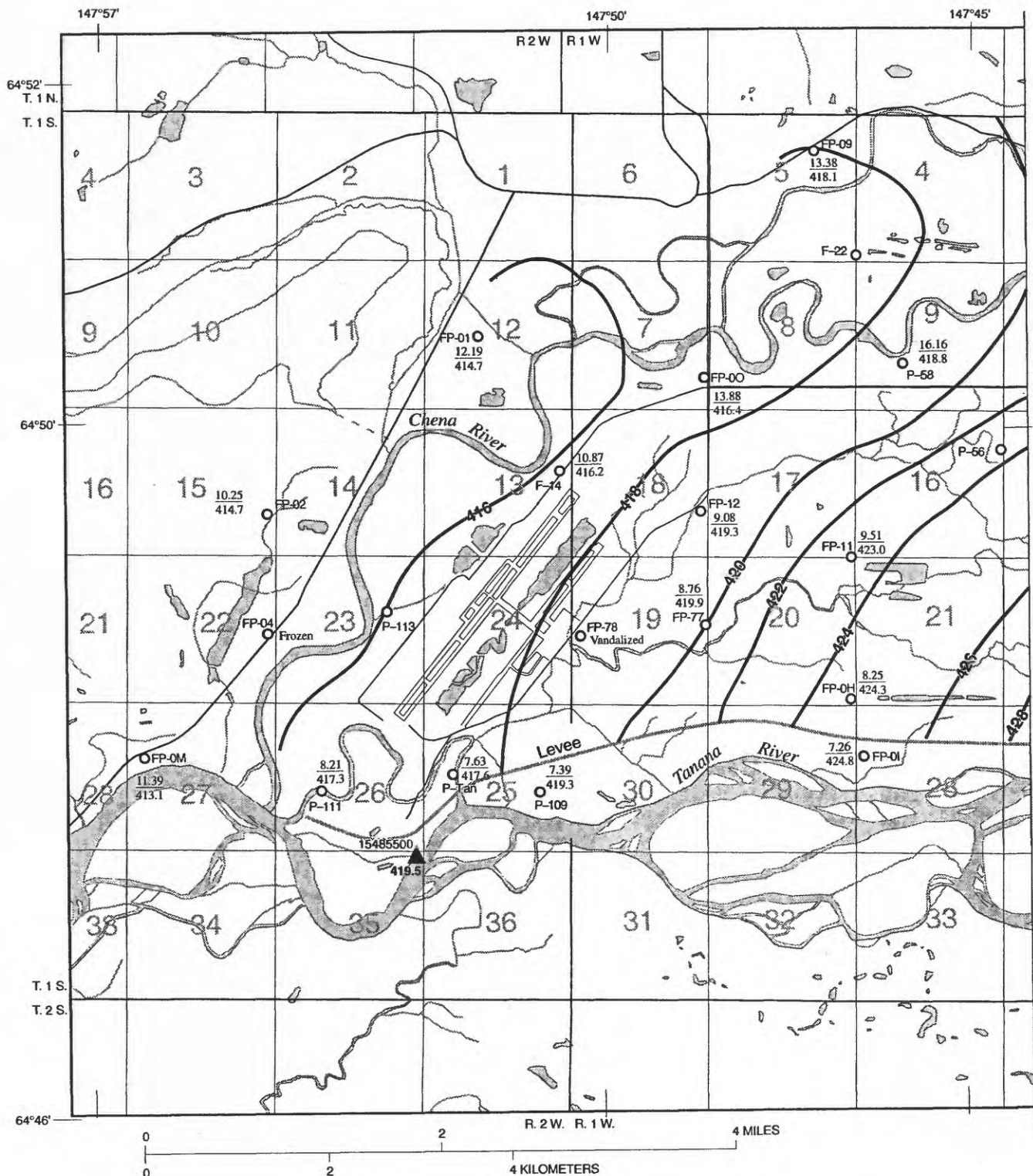
Ground-water levels were also measured in mid-May 1988 when the stages of Chena and Tanana Rivers were similar to values in October 1986, and the configuration of the water table during May 1988 (not shown) was similar to that of October 1986.

The water levels shown in figures 3 and 6 are not the highest levels that can occur. More than half of the 59 wells measured in 1989 had ground-water levels that were higher than ones observed previously. Water levels in wells 50006, P-251, and P-252 were 1.9, 6.1, and 3.3 ft higher, respectively, at some time during 1991 or 1992 than during their respective peak levels during 1986-88. Many events could lead to even higher ground-water levels. Some examples include higher river stages, longer periods of high stages, high levels and long periods of water detention behind Moose Creek Dam, ice- or debris-jams in stream channels, icings (a surface ice mass formed in stream channels during winter by successive freezing of sheets of water that seep over existing ice in a channel), infiltration of an intensive rainfall, or a rapid melting of a deep snowpack.

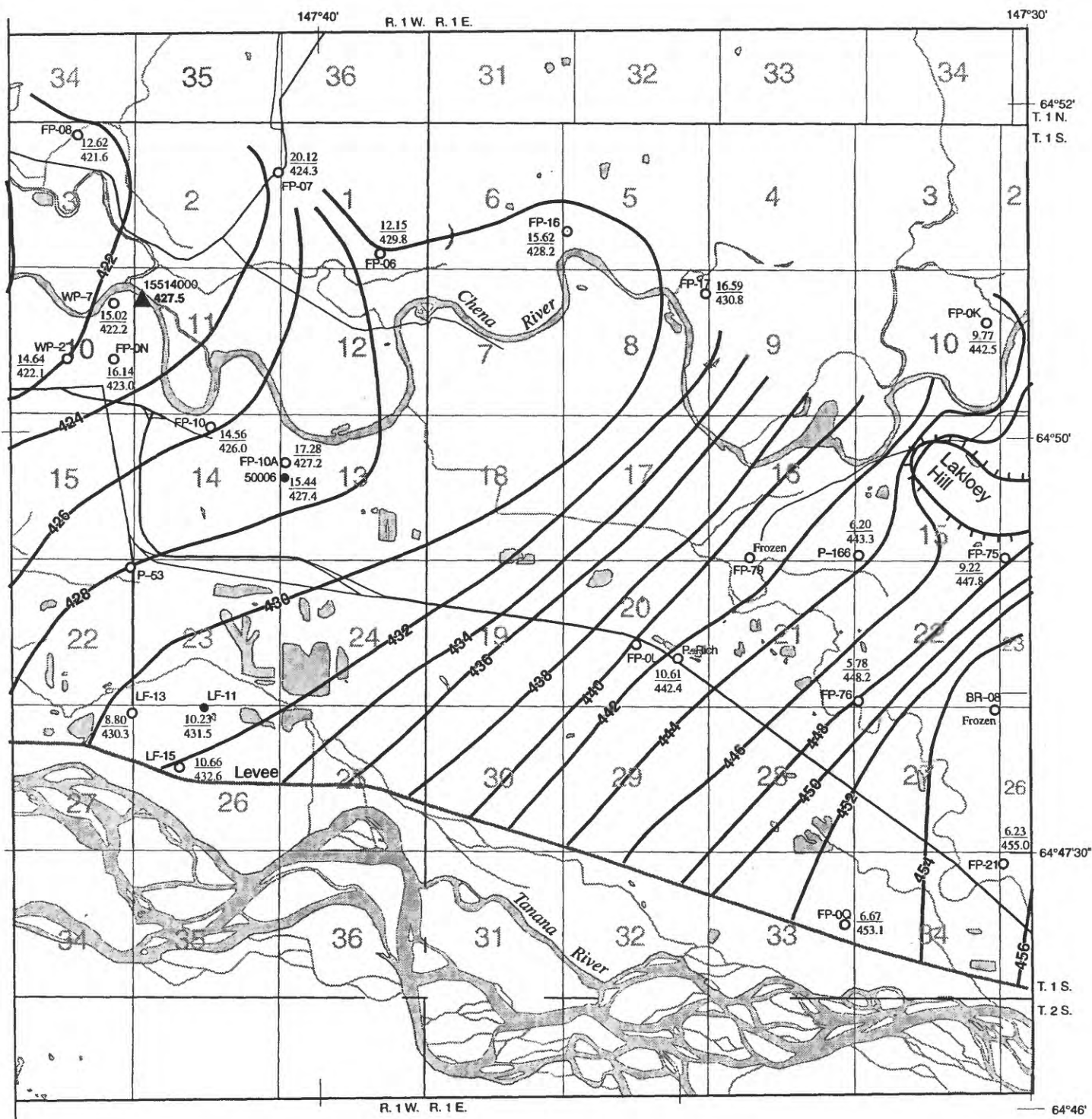
**Table 4.** Mean daily stages and discharges of Chena River at Fairbanks, Chena River below Moose Creek Dam, and Tanana River at Fairbanks during selected ground-water level measurement periods [ft, foot; ft<sup>3</sup>/s, cubic foot per second; --, no data]

Measurement date	Chena River at Fairbanks (station No. 15514000)		Chena River below Moose Creek Dam (station No. 15493700)		Tanana River at Fairbanks (station No. 15485500)	
	Stage (ft)	Discharge (ft <sup>3</sup> /s)	Stage (ft)	Discharge (ft <sup>3</sup> /s)	Stage (ft)	Discharge (ft <sup>3</sup> /s)
Oct. 14, 1986	428.3	5,160	481.7	3,810	419.5	16,000
15	427.9	4,640	481.6	3,720	419.5	16,000
16	427.9	4,580	481.4	3,650	419.5	16,000
17	427.4	4,080	480.7	3,210	419.3	15,000
July 16, 1987	424.6	1,410	477.7	1,110	424.3	85,400
17	424.6	1,380	477.5	1,020	423.8	77,300
March 30 to April 3, 1988	--	<sup>a</sup> 200	--	<sup>a</sup> 120	--	<sup>a</sup> 5,600
May 16, 1988	427.0	3,620	481.5	3,680	420.0	27,600
17	427.8	4,450	481.2	3,530	420.3	29,400

<sup>a</sup>Estimated daily discharge during periods when the river stage was affected by ice.



**Figure 7a.** Ground-water levels during a period of low stage in the Chena and Tanana Rivers, March 30 to April 3, 1988.



### EXPLANATION

- 438 — Water-table contour—Shows altitude of water table. Contour is 2 feet. Datum is sea level
- ▲ 15485500  
419.5 Stream-gaging station and number—Number with decimal is Stage, in feet above sea level
- LF-13 Water-level monitoring well and field identifier
- LF-11 Water-level monitoring well equipped with a continuous recorder and field identifier
- $\frac{10.66}{432.6}$  Top number is water level, in feet below land surface; negative if water level was above land surface. Bottom number is water level, in feet above sea level

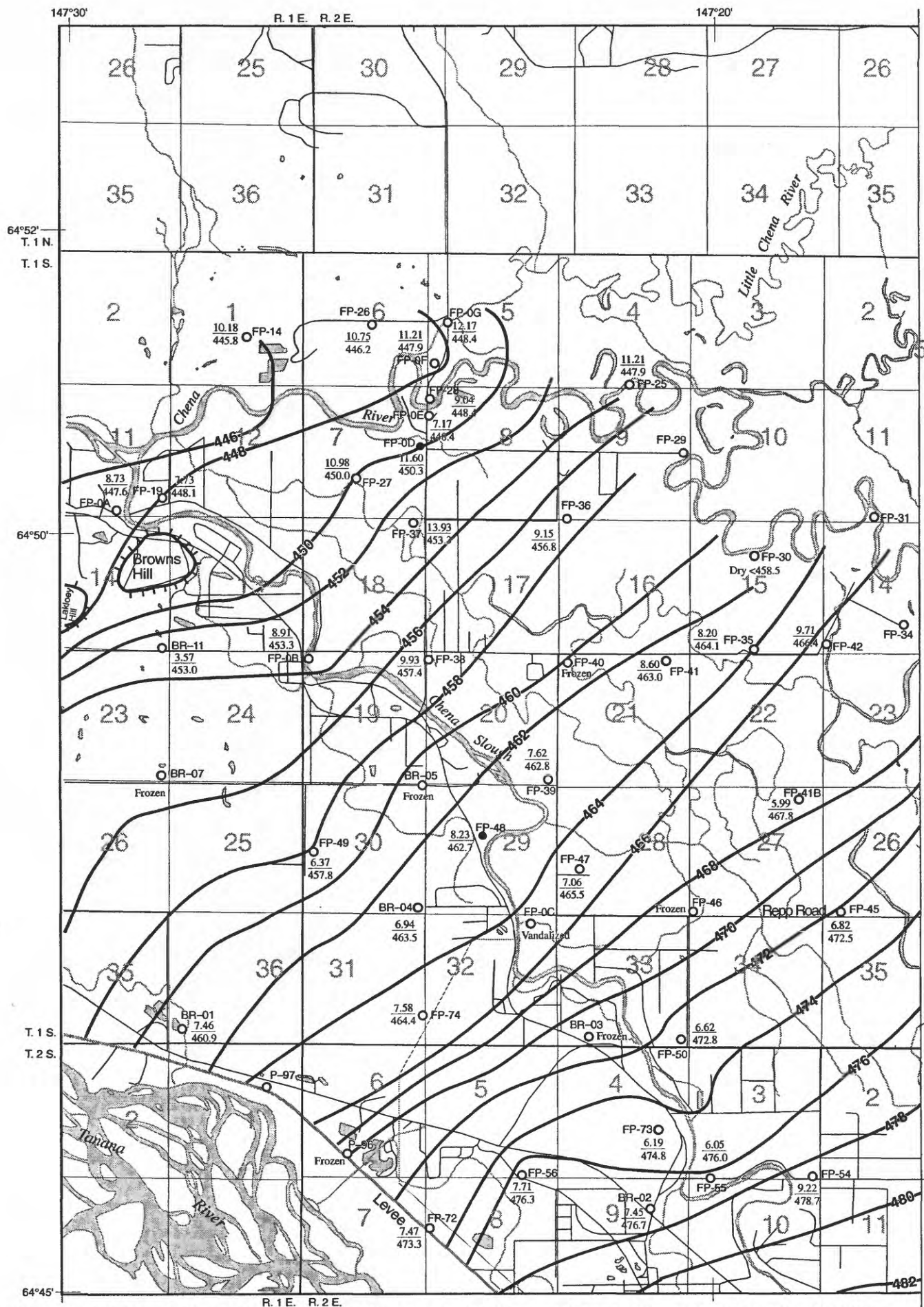
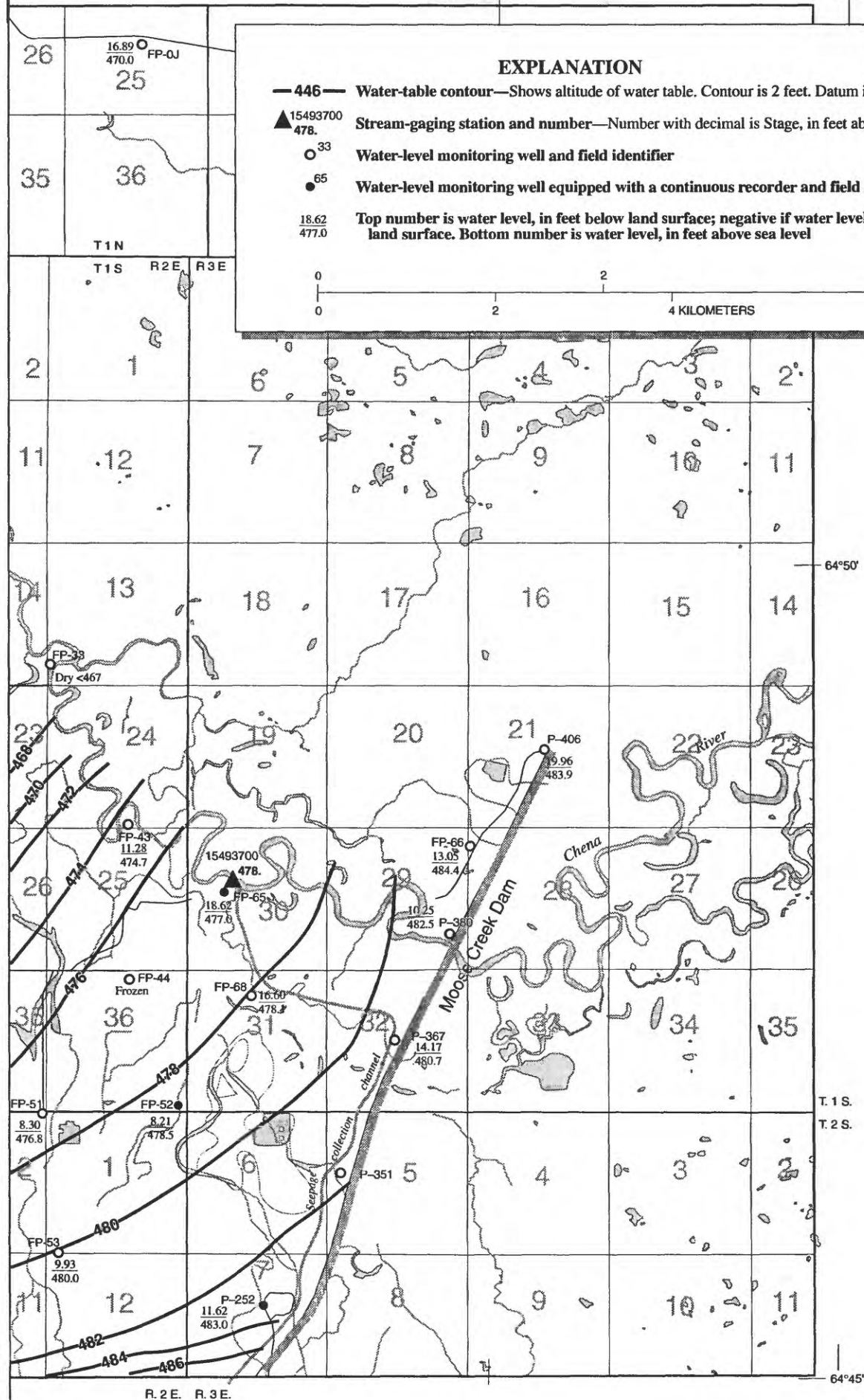
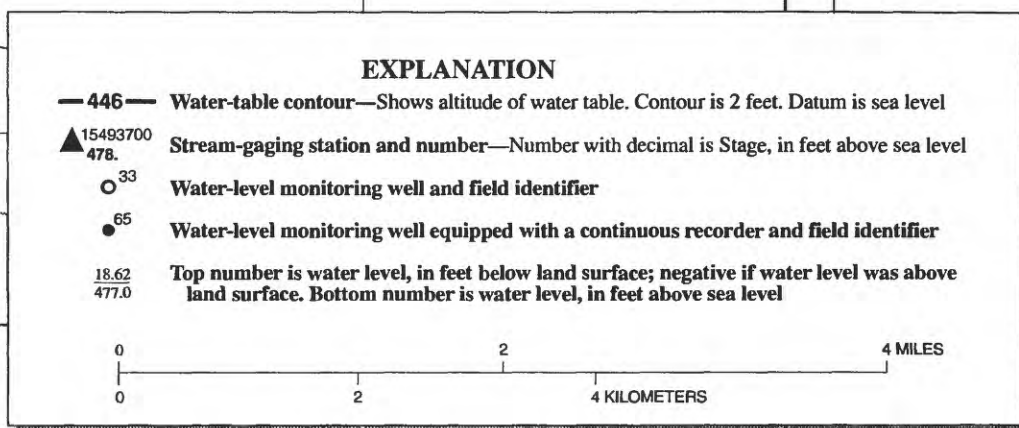


Figure 7b. Ground-water levels during a period of low stage in the Chena and Tanana Rivers, March 30 to April 3, 1988.





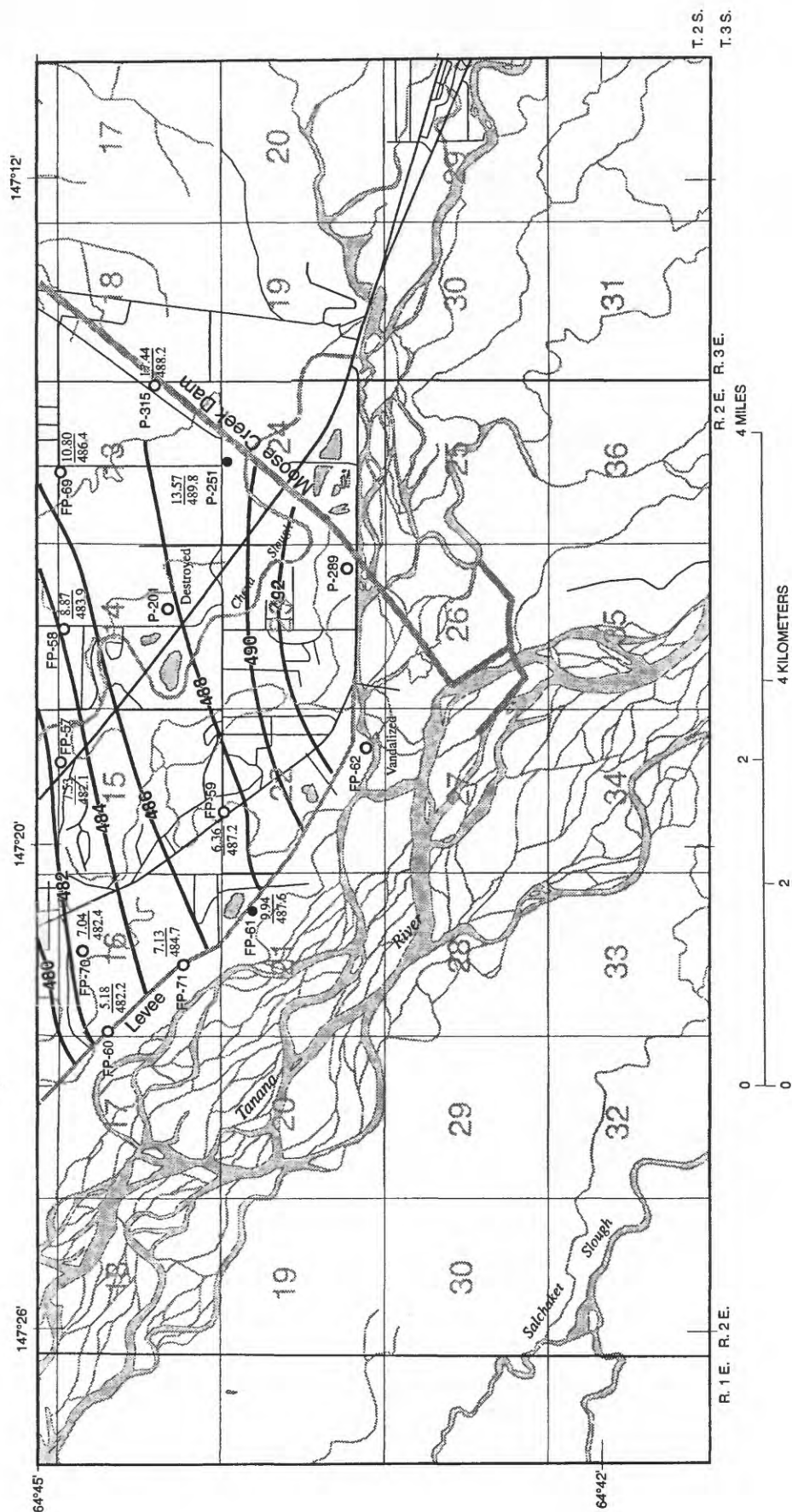


Figure 7c. Ground-water levels during a period of low stage in the Chena and Tanana Rivers, March 30 to April 3, 1988.

## SUMMARY

The cities of Fairbanks and North Pole and the U.S. Army's Fort Wainwright are located on an alluvial plain between the Chena and Tanana Rivers in interior Alaska. The alluvial plain is underlain by a highly transmissive sand and gravel aquifer in which ground water is usually unconfined. High ground-water levels in the alluvial plain are of concern to area residents and government agencies because high ground-water levels have inundated septic systems and homes.

During 1986-88, water levels were measured periodically in about 120 wells. Beneath most of the alluvial plain, ground-water levels were less than 10 ft below land surface and water levels in one-third of the wells were less than 5 ft below land surface at some time between 1986 and 1988. Seasonal fluctuations in ground-water levels range from 0.2 ft to about 9 ft. Generally, ground water flowed from the Tanana River northwestward and discharged into the Chena River. Water levels were measured continuously in only three wells through 1993. Water levels in these wells reached higher levels in 1991-92 than during 1986-88. In wells near Moose Creek Dam, ground-water levels rose rapidly in response to water impoundment behind the dam—as much as 7 ft in one well.

The water levels observed during this study are not the highest levels that can occur, as many events could lead to higher ground-water levels, such as higher river stages, longer periods of high stages, higher levels and longer periods of water detention behind Moose Creek Dam, ice- or debris-jams in stream channels, icings, infiltration of an intensive rainfall, or a rapid melting of a deep snowpack.

## REFERENCES CITED

- Cederstrom, D.J., 1963, Ground-water resources of the Fairbanks area, Alaska: U.S. Geological Survey Water-Supply Paper 1590, 84 p.
- Federal Emergency Management Agency, 1988, Flood insurance study, Fairbanks North Star Borough, Alaska, community number 025009: Federal Emergency Management Agency, 32 p.
- Flynn, D. M., 1985, Hydrology and geochemical processes of a sub-arctic landfill, Fairbanks, Alaska—Basic data: U.S. Geological Survey Open-File Report 85-195, 41 p.
- Hartman, C.W., and Johnson, P.R., 1984, Environmental atlas of Alaska: Fairbanks, University of Alaska, 95 p.
- Krumhardt, A.P., 1982, Hydrologic information for land-use planning, Badger Road area, Fairbanks, Alaska: U.S. Geological Survey Water-Resources Investigations 82-4097, 14 p.
- Leslie, L.D., 1989, Alaska climate summaries (2d ed.): University of Alaska, Anchorage, Arctic Environmental Information and Data Center, Alaska Climate Center Technical Note No. 5.
- National Oceanic and Atmospheric Administration, 1986-93, Climatological data for Alaska: U.S. Department of Commerce, issued annually.
- Nelson, G.L., 1978, Hydrologic information for land-use planning, Fairbanks vicinity, Alaska: U.S. Geological Survey Open-File Report 78-959, 47 p.
- U.S. Army Corps of Engineers, 1988, Environmental assessment, Chena River Lakes flood control project, regulatory releases: U.S. Army Corps of Engineers, Alaska District, 36 p.
- U.S. Coast and Geodetic Survey, 1966, Vertical control datum: U.S. Department of Commerce, Environmental Sciences Services Administration, September, 26 p.
- U.S. Geological Survey, 1972-75, Water resources data for Alaska, 1971-74, Part 1, Surface water records: U.S. Geological Survey Water-Data Reports AK-71 to AK-74 (published annually).
- \_\_\_\_\_, 1976, Surface-water supply of the United States, 1966-70, Part 15, Alaska: U.S. Geological Survey Water-Supply Paper 2136.
- \_\_\_\_\_, 1976-94, Water resources data for Alaska, water years 1975-93: U.S. Geological Survey Water-Data Reports AK-75-1 to AK-93-1 (published annually).

---

---

## **APPENDIX 1**

### **Water Levels Measured in Wells, 1986-89**

[Note: OBSTR, Obstruction]

---

---



---

**Field identifier: FP-0J**

Site identifier, 645308147145801. Local number, FA00100225ACCC1 005.

LOCATION.-- Lat 64°53'08", long 147°14'58", Hydrologic Unit 19030004, near Little Chena River and Chena Hot Springs Road.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 22 ft, cased to 22.0 ft, screened from 20 to 22 ft.

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

DATUM.--Elevation of land surface datum is 486.9 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to September 1988

---

**WATER LEVELS, IN FEET BELOW LAND SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 20, 1986	15.99	MAY 21, 1987	16.31	NOV 05, 1987	16.10	MAY 16, 1988	12.00
22	12.15	JUL 14	16.88	APR 01, 1988	OBSTR	JUL 20	16.43
OCT 16	12.01	AUG 19	15.33	MAY 05	14.82	SEP 9	15.46
HIGHEST		12.00	MAY 16, 1988				
LOWEST		16.88	JUL 14, 1987				

---

**Field identifier: FP-06**

Site identifier, 645104147390501. Local number, FC00100101DCAC1 002

LOCATION.-- Lat 64°51'04", long 147°39'05", Hydrologic Unit 19030004, near Canol Road, Fort Wainwright.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 20 ft, cased to 18.6 ft, screened from 16.6 to 18.6 ft.

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

DATUM.--Elevation of land surface datum is 442.0 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1986 to July 1988.

---

**WATER LEVELS, IN FEET BELOW LAND SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 26, 1986	8.77	MAY 20, 1987	10.58	MAR 30, 1988	12.15	JUL 12, 1988	11.63
OCT 15	8.09	JUL 17	10.96	MAY 16	12.23		
HIGHEST		8.09	OCT 15, 1986				
LOWEST		12.23	MAY 16, 1988				

---

**Field identifier: FP-07**

Site identifier, 645133147403001. Local number, FC00100102ADAD1 013.

LOCATION.-- Lat 64°51'33", long 147°40'30", Hydrologic Unit 19030004, near intersection of New and Old Steese Highways.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 28 ft, cased to 27.6 ft, screened from 25.6 to 27.6 ft.

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

DATUM.--Elevation of land surface datum is 444.4 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to July 1988.

---

**WATER LEVELS, IN FEET BELOW LAND SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 05, 1986	18.44	AUG 11, 1986	18.00	JUL 17, 1987	18.97	MAR 30, 1988	20.12
06	18.14	OCT 15	17.14	AUG 19	18.78	MAY 17	19.86
07	18.06	MAY 14, 1987	19.04	MAR 05, 1988	19.94	JUL 12	18.44
HIGHEST		17.14	OCT 15, 1986				
LOWEST		20.12	MAR 30, 1988				

---

**Field identifier: FP-08**

Site identifier, 645146147431801. Local number, FC00100103ABBD1 014.

LOCATION.-- Lat 64°51'46", long 147°43'18", Hydrologic Unit 19030004, near Joy School, Fairbanks.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 23 ft, cased to 20.3 ft, screened from 18.3 to 20.3 ft.

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

DATUM.--Elevation of land surface datum is 434.2 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to July 1988.

WATER LEVELS, IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 05, 1986	10.15	OCT 16, 1986	9.54	JUL 17, 1987	11.18	MAR 30, 1988	12.62
07	10.17	APR 06, 1987	11.72	AUG 19	10.82	MAY 17	11.96
11	10.26	MAY 14	10.99	OCT 07	11.02	JUL 12	11.62
		HIGHEST 9.54	OCT 16, 1986				
		LOWEST 12.62	MAR 30, 1988				

---

**Field identifier: FP-09**

Site identifier, 645138147470901. Local number, FC00100105ABDD1 017.

LOCATION.-- Lat 64°51'38", long 147°47'09", Hydrologic Unit 19030004, near College Road and Westwood Way.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 23 ft, cased to 22.9 ft, screened from 20.9 to 22.9 ft.

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

DATUM.--Elevation of land surface datum is 431.5 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--July 1986 to June 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 21, 1986	10.96	MAY 14, 1987	12.17	OCT 07, 1987	11.80	JUL 20, 1988	12.04
AUG 07	10.64	JUL 17	12.12	MAR 30, 1988	13.38	AUG 18	14.74
OCT 16	9.96	AUG 19	11.54	MAY 17	12.44	JUN 29, 1989	13.81
		HIGHEST 9.96	OCT 16, 1986				
		LOWEST 14.74	AUG 18, 1988				

---

**Field identifier: F-22**

Site identifier, 645103147463301. Local number, FC00100105DDDA1 018.

LOCATION.-- Lat 64°51'03", long 147°46'33", Hydrologic Unit 19030004, near Philips Field, Fairbanks.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 23 ft, cased to 23 ft.

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

DATUM.--Elevation of land surface datum is 432.4 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey. Well destroyed during winter 1988.

PERIOD OF RECORD.--August 1967 August 1969, May 1971 to September 1974, October 1986 to October 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 08, 1986	13.13	JUL 10, 1987	14.09	OCT 05, 1987	13.68		
16	12.41	17	13.66	APR 04, 1988		WELL DESTROYED	
		HIGHEST 12.41	OCT 16, 1986	EXTREMES FOR PERIOD OF RECORD:	15.19	APR 21, 1973	
		LOWEST 14.09	JUL 10, 1987		6.21	AUG 31, 1967	

---

**Field identifier: FP-00**

Site identifier, 645018147483901. Local number, FC00100107DDDB1 014.

LOCATION.-- Lat 64°50'18", long 147°48'39", Hydrologic Unit 19030004, near University Avenue.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 24 ft, cased to 23.5 ft, screened from 21.5 to 23.5 ft.

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

DATUM.--Elevation of land surface datum is 430.3 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1986 to August 1988.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 25, 1986	11.36	MAY 15, 1987	12.26	SEP 30, 1987	12.23	MAY 17, 1988	11.70
OCT 16	10.39	JUL 16	10.64	MAR 31, 1988	13.88	JUL 20	9.77
						AUG 16	10.30
		HIGHEST	9.77	JUL 20, 1988			
		LOWEST	13.88	MAR 31, 1988			

---

**Field identifier: P-58**

Site identifier, 645026147445702. Local number, FC00100109CACB1 006.

LOCATION.-- Lat 64°50'26", long 147°44'57", Hydrologic Unit 19030004, near Alaskaland in Fairbanks.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 1.5 in, depth 20 ft, cased to 20.0 ft.

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

DATUM.--Elevation of land surface datum is 435.0 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Army Corps of Engineers.

PERIOD OF RECORD.--June 1972 to June 1974, August 1986 to August 1988.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 21, 1986	13.94	JUN 16, 1987	13.91	MAR 05, 1988	16.14	JUL 20, 1988	13.61
OCT 08	14.17	JUL 16	13.85	30	16.16	AUG 16	13.55
16	11.94	OCT 05	14.61	MAY 17	13.03		
		HIGHEST	11.94	OCT 16, 1986		EXTREME FOR PERIOD OF RECORD:	5.40 NOV 1, 1973
		LOWEST	16.16	MAR 30, 1988			

---

**Field identifier: WP-7**

Site identifier, 645046147424701. Local number, FC00100110AACD1 030.

LOCATION.-- Lat 64°50'46", long 147°42'47", Hydrologic Unit 19030004, near Noble and Wendell Streets.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, cased to 22.3 ft, screened from 20.3 to 22.3 ft.

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

DATUM.--Elevation of land surface datum is 437.2 ft above sea level (determined by level surveys).

REMARKS.--Observation well.

PERIOD OF RECORD.--October 1986 to August 1988.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15, 1986	11.29	AUG 03, 1987	13.32	MAR 30, 1988	15.02	JUL 20, 1988	13.52
JUL 16, 1987	14.78	MAR 02, 1988	14.82	MAY 17	12.98	AUG 24	13.57
		HIGHEST	11.29	OCT 15, 1986			
		LOWEST	15.02	MAR 30, 1988			

---

**Field identifier: FP-0N**

Site identifier, 645026147424701. Local number, FC00100110DABD1 028.

LOCATION.-- Lat 64°50'26", long 147°42'47", Hydrologic Unit 19030004, near Lacey Street and 7th Avenue.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 25 ft, cased to 23.7 ft, screened from 21.7 to 23.7 ft.

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

DATUM.--Elevation of land surface datum is 439.1 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1986 to August 1988.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 26, 1986	13.91	JUN 24, 1987	14.95	OCT 01, 1987	14.68	MAY 17, 1988	14.89
OCT 16	13.43	JUL 16	16.37	MAR 30, 1988	16.14	JUL 22	14.81
						AUG 24	14.83
HIGHEST	13.43	OCT 16, 1986					
LOWEST	16.37	JUL 16, 1987					

---

**Field identifier: WP-2**

Site identifier, 645026147432601. Local number, FC00100110DBBC1 029.

LOCATION.-- Lat 64°50'26", long 147°43'26", Hydrologic Unit 19030004, near Barnette Street and 7th Avenue.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, cased to 17.0 ft.

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

DATUM.--Elevation of land surface datum is 436.7 ft above sea level (determined by level surveys).

REMARKS.--Observation well.

PERIOD OF RECORD.--October 1986 to August 1988.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16, 1986	11.55	AUG 03, 1987	13.12	MAR 30, 1988	14.64	JUL 20, 1988	13.41
JUL 16, 1987	14.24	OCT 01	13.04	MAY 17	13.46	AUG 24	13.63
HIGHEST	11.55	OCT 16, 1986					
LOWEST	14.64	MAR 30, 1988					

---

**Field identifier: FP-10A**

Site identifier, 644944147402601. Local number, FC00100113BCBC1 023.

LOCATION.-- Lat 64°49'44", long 147°40'26", Hydrologic Unit 19030004, near hospital on Fort Wainwright.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 29 ft, cased to 27.3 ft, screened from 25.3 to 27.3 ft.

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

DATUM.--Elevation of land surface datum is 444.5 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to September 1988.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 13, 1986	15.04	JAN 30, 1987	16.04	MAY 28, 1987	16.37	JUL 28, 1987	16.17
OCT 01	15.15	FEB 27	16.34	JUL 02	16.32	AUG 28	15.66
15	14.65	MAR 26	16.55	13	16.59	NOV 23	16.70
29	14.94	APR 20	16.27	15	16.63	MAR 30, 1988	17.28
DEC 02	15.19	29	16.70	17	16.49	MAY 17	16.20
22	15.48	MAY 20	16.27	22	16.54	JUL 12	15.47
						SEP 13	15.49
HIGHEST	14.65	OCT 15, 1986					
LOWEST	17.28	MAR 30, 1988					

---

**Field identifier: 50006 (see appendix 2 for daily water levels, 1986-93)**

Site identifier, 644944147402501. Local number, FC00100113BCCC1 022

LOCATION.-- Lat 64°49'44", long 147°40'25", Hydrologic Unit 19030004, at former building site 40005, Fort Wainwright.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 8 in, depth 113 ft, cased to 100 ft, screened from 100 to 113 ft.

INSTRUMENTATION.--Digital recorder--1-hr punch.

DATUM.--Elevation of land surface datum is 442.8 ft above sea level (determined by level surveys).

REMARKS.--Observation well.

PERIOD OF RECORD.--August 1964 to June 1970; March 1976 to current year.

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 31, 1986	14.98	DEC 01, 1986	13.46	JUL 02, 1987	14.51	MAY 17, 1988	14.35
APR 25	15.29	31	13.93	16	14.87	JUN 02	14.04
JUN 05	14.11	JAN 30, 1987	14.30	28	14.50	25	13.11
JUL 07	14.04	FEB 27	14.57	AUG 28	14.00	JUL 12	13.64
AUG 04	12.90	MAR 27	14.77	SEP 30	14.35	AUG 01	13.85
26	12.44	APR 29	14.92	NOV 23	15.16	SEP 13	13.66
OCT 01	13.47	MAY 28	14.68	FEB 23, 1988	15.18		
29	13.26	JUN 10	14.45	APR 28	15.04		

HIGHEST 12.44 AUG 26, 1986 EXTREMES FOR PERIOD OF RECORD: 3.67 FT ABOVE LAND SURFACE AUG 15, 1967  
LOWEST 15.29 APR 25, 1986 16.13 FT BELOW LAND SURFACE APR 7, 1969

---

**Field identifier: FP-10**

Site identifier, 645002147412601. Local number, FC00100114ABBC 005.

LOCATION.-- Lat 64°50'02", long 147°41'26", Hydrologic Unit 19030004, near Glass Loop Road, Fort Wainwright.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 23.5 ft, cased to 22.5 ft, screened from 20.5 to 22.5 ft.

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

DATUM.--Elevation of land surface datum is 440.6 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1986 to July 1988.

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 24, 1986	13.46	MAY 20, 1987	13.57	NOV 23, 1987	13.98	JUL 12, 1988	12.82
29	12.38	JUL 02	13.58	MAR 30, 1988	14.56		
OCT 15	11.74	17	13.68	MAY 17	13.23		

HIGHEST 11.74 OCT 15, 1986  
LOWEST 14.56 MAR 30, 1988

---

**Field identifier: P-56**

Site identifier, 644953147443401. Local number, FC00100116ADAA1 001

LOCATION.-- Lat 64°49'53", long 147°44'34", Hydrologic Unit 19030004, near Lathrop Street, Fairbanks.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 1.5 in, depth 19 ft, cased to 19.0 ft, screened from 18.8 to 19 ft.

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

DATUM.--Elevation of land surface datum is 435.4 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Army Corps of Engineers. Well destroyed during summer 1987.

PERIOD OF RECORD.--June 1972 to December 1974, August 1986 to July 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 20, 1986	8.72	JUN 03, 1987	11.11	MAY	1988 WELL DESTROYED
OCT 16	9.68	JUL 16	10.70		
	HIGHEST	8.72	AUG 20, 1986	EXTREMES FOR PERIOD OF RECORD:	8.49 JUN 16, 1972
	LOWEST	11.11	JUN 03, 1987		12.80 APR 19, 1974

---

**Field identifier: FP-11**

Site identifier, 644915147463701. Local number, FC00100117DDDD1 012.

LOCATION.-- Lat 64°49'15", long 147°46'37", Hydrologic Unit 19030004, near Peger Road and Parks Highway.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 24 ft, cased to 21.4 ft, screened from 19.4 to 21.4 ft.

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

DATUM.--Elevation of land surface datum is 432.5 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--July 1986 to August 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 21, 1986	7.45	MAY 19, 1987	8.63	MAR 31, 1988	9.51	AUG 16, 1988	6.43
AUG 05	10.31	JUL 16	7.58	MAY 17	8.69		
OCT 16	6.90	MAR 04, 1988	9.35	JUL 20	6.64		
	HIGHEST	6.43	AUG 16, 1988				
	LOWEST	10.31	AUG 05, 1986				



---

**Field identifier: FP-12**

Site identifier, 644925147484301. Local number, FC00100118DADC1 005.

LOCATION.-- Lat 64°49'25", long 147°48'43", Hydrologic Unit 19030004, near University Avenue and Parks Highway.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 23 ft, cased to 22.3 ft, screened from 20.3 to 22.3 ft.

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

DATUM.--Elevation of land surface datum is 428.4 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to August 1988.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 07, 1986	5.34	MAY 15, 1987	7.97	MAR 04, 1988	8.88	JUL 20, 1988	5.89
OCT 16	6.38	JUL 16	8.04 T	31	9.08	AUG 16	5.48
APR 07, 1987	7.99	SEP 30	6.95	MAY 17	8.84		
	HIGHEST	5.34	AUG 07, 1986				
	LOWEST	9.08	MAR 31, 1988				

---

**Field identifier: FP-77**

Site identifier, 644851147483701. Local number, FC00100119ADDD1 003.

LOCATION.-- Lat 64°48'51", long 147°48'37", Hydrologic Unit 19030004, near Van Horn Road.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 20 ft, cased to 19.0 ft, screened from 17 to 19 ft.

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

DATUM.--Elevation of land surface datum is 428.7 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1987 to

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 21, 1987	5.10	FEB 19, 1988	8.90	MAY 17, 1988	7.94		
SEP 14	5.70	MAR 31	8.76	JUL 14	4.57		
	HIGHEST	4.57	JUL 14, 1988				
	LOWEST	8.90	FEB 19, 1988				

---

FP-

**Field identifier: FP-78**

Site identifier, 644847147502101. Local number, FC00100119CBBB1 004.

LOCATION.-- Lat 64°48'47", long 147°50'21", Hydrologic Unit 19030004, near Van Horn Road.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 20 ft, cased to 19.0 ft, screened from 17 to 19 ft.

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

DATUM.--Elevation of land surface datum is 425.9 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1987 to July 1988.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 21, 1987	3.63	SEP 14, 1987	4.52	JUL 14, 1988	3.50
	HIGHEST	3.50	JUL 14, 1988		
	LOWEST	4.52	SEP 14, 1987		

---

**Field identifier: FP-0H**

Site identifier, 644825147463701. Local number, FC00100120DDDD1 005.

LOCATION.-- Lat 64°48'25", long 147°46'37", Hydrologic Unit 19030004, near Peger Road and Metro Field.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 23 ft, cased to 22.4 ft, screened from 20.4 to 22.4 ft.

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

DATUM.--Elevation of land surface datum is 432.6 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to August 1988.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 05, 1986	4.35	MAY 19, 1987	7.72	MAR 31, 1988	8.25	AUG 16, 1988	4.45
11	4.53	JUL 16	5.13	MAY 17	7.04		
OCT 17	5.51	MAR 04, 1988	8.14	JUL 18	4.13		
		HIGHEST	4.13 JUL 18, 1988				
		LOWEST	8.25 MAR 31, 1988				

---

**Field identifier: P-53**

Site identifier, 644912147423202. Local number, FC00100122AAAA2 002.

LOCATION.-- Lat 64°49'12", long 147°42'32", Hydrologic Unit 19030004, near 30th Avenue and South Cushman.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 19 ft, cased to 17.7 ft.

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

DATUM.--Elevation of land surface datum is 438.6 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Army Corps of Engineers. Well destroyed during summer 1987.

PERIOD OF RECORD.--April 1973 to September 1976, September 1982 to September 1984, August 1986 to July 1987.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 20, 1986	8.18	JUN 16, 1987	9.12	JUL 16, 1987	9.46
OCT 16	8.04	30	9.06	AUG	WELL DESTROYED
		HIGHEST	8.04 OCT 16, 1986	EXTREMES FOR PERIOD OF RECORD:	5.18 JUL 19, 1975
		LOWEST	9.46 JUL 16, 1987		10.22 APR 19, 1974

---

**Field identifier: LF-11 (see appendix 2 for daily water levels, 1987-89)**

Site identifier, 644752147415801. Local number, FC00100126BAAA2 016.

LOCATION.-- Lat 64°47'52", long 147°41'52", Hydrologic Unit 19030004, near bailer plant.

AQUIFER.--Chena Alluvium of Quaternary age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 16 ft, cased to 13.6 ft, screened from 13.6 to 13.6 ft.

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

Digital Recorder installed July 1987.

DATUM.--Elevation of land surface datum is 441.7 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1982 to September 1984, October 1986 to August 1988.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16, 1986	8.43	JUL 16, 1987	8.75	NOV 23, 1987	9.45	MAY 20, 1988	9.75
JUN 16, 1987	9.11	AUG 14	9.89	MAR 02, 1988	10.15	JUN 25	7.82
22	8.96	SEP 03	9.36	30	10.23	JUL 18	7.28
30	8.95	OCT 02	9.44	MAY 17	9.81	AUG 10	7.29
						AUG 24	7.44
		HIGHEST	7.28 JUL 18, 1988	EXTREMES FOR PERIOD OF RECORD:	5.55	JAN 26, 1983	
		LOWEST	10.23 MAR 30, 1988				

---

**Field identifier: LF-15**

Site identifier, 644741147411501. Local number, FC00100126CAAC1 006.

LOCATION.-- Lat 64°47'41", long 147°41'15", Hydrologic Unit 19030004, near bailer plant.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 1.5 in, depth 25 ft, cased to 24.0 ft, screened from 19 to 24 ft.

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

DATUM.--Elevation of land surface datum is 443.3 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1982 to September 1984, October 1986 to August 1988.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16, 1986	9.55	JUL 20, 1987	6.56	APR 03, 1988	10.66	JUL 18, 1988	5.00
JUL 16, 1987	7.36	NOV 23	9.98	MAY 17	OBSTR	AUG 16	7.53
HIGHEST		5.00	JUL 18, 1988				
LOWEST		10.66	APR 03, 1988				

---

**Field identifier: LF-13**

Site identifier, 644751147423501. Local number, FC00100127AAAA1 004.

LOCATION.-- Lat 64°47'51", long 147°42'35", Hydrologic Unit 19030004, near South Cushman Road.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 17.5 ft, cased to 16.5 ft, screened from 14.5 to 16.5 ft.

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

DATUM.--Elevation of land surface datum is 439.1 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1982 to August 1988.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 22, 1986	6.54	AUG 04, 1986	5.98	JAN 29, 1987	9.77	JUL 27, 1987	7.05
27	6.83	SEP 02	6.27	FEB 26	8.06	AUG 27	7.74
FEB 28	7.78	25	6.81	MAR 26	8.17	SEP 29	7.96
MAR 25	8.12	OCT 07	7.03	APR 29	7.95	NOV 23	8.16
APR 25	7.76	16	6.90	MAY 28	8.45	MAR 31, 1988	8.80
MAY 13	8.73	30	7.72	JUN 16	7.64	MAY 17	8.31
29	8.44	DEC 01	7.60	30	7.46	JUL 18	6.08
JUN 27	6.87	22	7.36	JUL 16	7.04	AUG 16	6.15
HIGHEST		5.98	AUG 04, 1986	EXTREME FOR PERIOD OF RECORD:		5.64	JUL 27, 1984
LOWEST		9.77	JAN 29, 1987				

---

**Field identifier: FP-01**

Site identifier, 644757147462401. Local number, FC00100128BCCCC1 004.

LOCATION.-- Lat 64°47'57", long 147°46'24", Hydrologic Unit 19030004, near Peger Road and Tanana River.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 23 ft, cased to 21.8 ft, screened from 19.8 to 21.8 ft.

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

DATUM.--Elevation of land surface datum is 432.5 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to July 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 11, 1986	3.76	MAY 19, 1987	6.94	MAR 31, 1988	7.26	JUL 18, 1988	1.69
OCT 17	6.04	JUL 16	1.52	MAY 17	5.66	AUG 16	3.08
						JUL 2, 1989	2.22
HIGHEST		1.52	JUL 16, 1987	LOWEST		7.26	MAR 31, 1988

---

**Field identifier: FP-01**

Site identifier, 645032147514701. Local number, FC00100212CABA1 004

LOCATION.-- Lat 64°50'32", long 147°51'47", Hydrologic Unit 19030004, near Pepperdine and Palo Verde Roads.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 23 ft, cased to 21.2 ft, screened from 19.2 to 21.2 ft.

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

DATUM.--Elevation of land surface datum is 427.2 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to AUGUST 1988.

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 07, 1986	8.06	JUL 01, 1987	10.44	MAR 31, 1988	12.19	AUG 16, 1988	8.20
OCT 17	9.30	16	9.75	MAY 17	11.71		
MAY 15, 1987	10.89	OCT 06	10.29	JUL 20	8.64		
HIGHEST	8.06	AUG 07, 1986	LOWEST	12.19	MAR 31, 1988		

---

**Field identifier: F-14**

Site identifier, 644948147503201. Local number, FC00100213CDDDI 001.

LOCATION.-- Lat 64°49'48", long 147°50'32", Hydrologic Unit 19030004, near Old Airport Way.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 26.5 ft, cased to 26.5 ft, screened from 24 to 26.5 ft.

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

DATUM.--Elevation of land surface datum is 427.1 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Army Corps of Engineers.

PERIOD OF RECORD.--August 1967 to August 1974, October 1986 to August 1988.

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16, 1986	8.28	JUL 16, 1987	7.68	SEP 30, 1987	9.61	MAY 18, 1988	9.57
JUN 03, 1987	9.97	AUG 08	7.14	MAR 31, 1988	10.87	JUL 20	6.49
						AUG 16	6.69
HIGHEST	6.49	JUL 20, 1988	EXTREMES FOR PERIOD OF RECORD:	3.41	AUG 16, 1971		
LOWEST	10.87	MAR 31, 1988		11.10	MAY 3, 1971		

---

**Field identifier: FP-02**

Site identifier, 644929147544001. Local number, FC00100215DADD1 013

LOCATION.-- Lat 64°49'29", long 147°54'40", Hydrologic Unit 19030004, near Roland Road, Fairbanks.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 24 ft, cased to 22.9 ft, screened from 20.9 to 22.9 ft.

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

DATUM.--Elevation of land surface datum is 425.0 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to August 1988.

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 07, 1986	5.73	JUL 01, 1987	8.36	MAR 31, 1988	10.25	AUG 16, 1988	5.71
OCT 16	7.68	16	7.41	MAY 17	9.61		
MAY 15, 1987	9.21	OCT 06	8.81	JUL 20	6.04		
HIGHEST	5.73	AUG 07, 1986					
LOWEST	10.25	MAR 31, 1988					

---

**Field identifier: FP-04**

Site identifier, 644847147543901. Local number, FC00100222DAAA1 015

LOCATION.-- Lat 64°48'47", long 147°54'39", Hydrologic Unit 19030004, near Grebe Road, Fairbanks.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 19 ft, cased to 16.6 ft, screened from 14.6 to 16.6 ft.

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

DATUM.--Elevation of land surface datum is 422.9 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to August 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM (READINGS ABOVE LAND SURFACE INDICATED BY "--")

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 07, 1986	4.07	JUL 01, 1987	.52	MAR 31, 1988	OBSTR	AUG 16, 1988	3.53
OCT 16	6.56	16	-.16 E	MAY 18	OBSTR		
MAY 15, 1987	OBSTR	OCT 06	7.86	JUL 20	8.26		
	HIGHEST	-.16	JUL 16, 1987				
	LOWEST	8.26	JUL 20, 1988				

---

**Field identifier: P-113**

Site identifier, 644855147530101. Local number, FC00100223ACAD1 002.

LOCATION.-- Lat 64°48'55", long 147°53'01", Hydrologic Unit 19030004, near Dale and Mail Roads.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 1.5 in, depth 27 ft, cased to 27 ft, screened from 23 to 27 ft.

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

DATUM.--Elevation of land surface datum is 426.6 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Army Corps of Engineers.

PERIOD OF RECORD.--September 1972 to September 1974, August 1986 to July 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 13, 1986	7.57	JUN 03, 1987	10.34	JUL 20, 1988	6.17		
OCT 16	9.44	JUL 16	6.68				
	HIGHEST	6.17	JUL 20, 1988	EXTREME FOR PERIOD OF RECORD:	4.43	JUL 24, 1973	
	LOWEST	10.34	JUN 03, 1987				

---

**Field identifier: P-Tan**

Site identifier, 644758147520601. Local number, FC00100225BCDD1 003.

LOCATION.-- Lat 64°47'58", long 147°52'06", Hydrologic Unit 19030004, near Drainage Channel A south of Fairbanks International Airport.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 1.5 in.

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

DATUM.--Elevation of land surface datum is 425.2 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Army Corps of Engineers.

PERIOD OF RECORD.--October 1986 to July 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10, 1986	7.11	JUL 16, 1987	3.83	MAR 31, 1988	7.63
16	6.70	AUG 08	4.87	MAY 17	6.81
JUN 03, 1987	7.18	OCT 05	7.27	JUL 14	4.15
	HIGHEST	3.83	JUL 16, 1987		
	LOWEST	7.63	MAR 31, 1988		

---

**Field identifier: P-109**

Site identifier, 644752147505401. Local number, FC00100225DABB1 004.

LOCATION.-- Lat 64°47'52", long 147°50'54", Hydrologic Unit 19030004, near Tanana River Levee Groin #1.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 1.25 in, depth 27 ft, cased to 23.0 ft, screened from 21 to 23 ft.

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

DATUM.--Elevation of land surface datum is 426.7 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Army Corps of Engineers.

PERIOD OF RECORD.--September 1972 to September 1974, October 1986 to July 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16, 1986	5.77	AUG 08, 1987	3.70	MAR 31, 1988	7.39
JUL 16, 1987	2.40	SEP 14	5.56	MAY 17	6.57
31	3.41	OCT 05	7.37	JUL 14	2.61

HIGHEST 2.40 JUL 16, 1987

LOWEST 7.39 MAR 31, 1988 EXTREME FOR PERIOD OF RECORD: 8.3 OCT 16, 1973 & APR 17, 1974

---

**Field identifier: P-111**

Site identifier, 644752147541101. Local number, FC00100226CABB1 001.

LOCATION.-- Lat 64°47'52", long 147°54'11", Hydrologic Unit 19030004, near mouth of Chena River.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 1.5 in, depth 27 ft, cased to 27 ft, screened from 23 to 27 ft.

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

DATUM.--Elevation of land surface datum is 425.5 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Army Corps of Engineers.

PERIOD OF RECORD.--September 1972 to September 1974, October 1986 to July 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16, 1986	7.06	JUL 16, 1987	2.63	OCT 05, 1987	8.38	MAY 17, 1988	6.37
MAY 19, 1987	8.40	AUG 08	4.04	MAR 31, 1988	8.21	JUL 14	3.18

HIGHEST 2.63 JUL 16, 1987

LOWEST 8.40 MAY 19, 1987 EXTREME FOR PERIOD OF RECORD: 9.92 NOV 1, 1972

---

**Field identifier: FP-0M**

Site identifier, 644803147562001. Local number, FC00100227BCBD1 002.

LOCATION.-- Lat 64°48'03", long 147°56'20", Hydrologic Unit 19030004, near Chena Pump Road.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 23 ft, cased to 21.7 ft, screened from 19.7 to 21.7 ft.

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

DATUM.--Elevation of land surface datum is 424.5 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to August 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 21, 1986	8.38	JUL 01, 1987	OBSTR	MAR 31, 1988	11.39	AUG 16, 1988	6.95
OCT 16	10.19	16	6.66	MAY 18	9.98		
MAY 15, 1987	OBSTR	OCT 06	11.45	JUL 20	5.69		

HIGHEST 5.69 JUL 20, 1988

LOWEST 11.45 OCT 06, 1987



---

**Field identifier: FP-14**

Site identifier, 645118147271401. Local number, FD00100101DBCC1 001.

LOCATION.-- Lat 64°51'18", long 147°27'14", Hydrologic Unit 19030004, near Chena River and Trans-Alaska Pipeline.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 23 ft, cased to 21.7 ft, screened from 19.7 to 21.7 ft.

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

DATUM.--Elevation of land surface datum is 456.0 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1986 to August 1988.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 02, 1986	4.77	JUN 26, 1987	7.31	JUL 17, 1987	8.04	MAY 16, 1988	8.54
OCT 15	4.98	JUL 02	7.54	APR 01, 1988	10.18	JUL 20	6.96
						AUG 23	7.42
HIGHEST	4.77	SEP 02, 1986					
LOWEST	10.18	APR 01, 1988					

---

**Field identifier: FP-16**

Site identifier, 645112147362901. Local number, FD00100105CBCC1 002.

LOCATION.-- Lat 64°51'12", long 147°36'29", Hydrologic Unit 19030004, near Ski Slope Road, Fort Wainwright.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 24 ft, cased to 22.0 ft, screened from 20 to 22 ft.

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

DATUM.--Elevation of land surface datum is 443.8 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--October 1986 to July 1988.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 07, 1986	12.80	MAY 20, 1987	14.26	MAR 30, 1988	15.62	JUL 12, 1988	13.20
15	12.06	JUL 17	14.76	MAY 16	14.94		
HIGHEST	12.06	OCT 15, 1986					
LOWEST	15.62	MAR 30, 1988					

---

**Field identifier: FP-17**

Site identifier, 645050147343301. Local number, FD00100108AADA1 014.

LOCATION.-- Lat 64°50'50", long 147°34'33", Hydrologic Unit 19030004, near River Road and Sage Hill Road, Fort Wainwright.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, cased to 19.2 ft, screened from 17.2 to 19.2 ft.

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

DATUM.--Elevation of land surface datum is 447.4 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1986 to July 1988.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 26, 1986	14.39	MAY 20, 1987	15.40	MAR 30, 1988	16.59	JUL 12, 1988	15.86
OCT 16	14.44	JUL 17	15.58	MAY 16	16.73		
HIGHEST	14.39	SEP 26, 1986					
LOWEST	16.73	MAY 16, 1988					

---

**Field identifier: FP-0K**

Site identifier, 645040147303801. Local number, FD00100110ADAC1 001.

LOCATION.-- Lat 64°50'40", long 147°30'38", Hydrologic Unit 19030004, near Chena River.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 23 ft, cased to 22.2 ft, screened from 20.2 to 22.2 ft.

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

DATUM.--Elevation of land surface datum is 452.3 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to July 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 19, 1986	8.74	OCT 15, 1986	7.17	JUL 17, 1987	9.94	MAY 16, 1988	8.74
SEP 26	8.78	MAY 20, 1987	9.57	MAR 30	9.77	JUL 12, 1988	9.06
	HIGHEST	7.17	OCT 15, 1986				
	LOWEST	9.94	JUL 17, 1987				

---

**Field identifier: FP-0A**

Site identifier, 645006147291401. Local number, FD00100111DCCD1 003.

LOCATION.-- Lat 64°50'06", long 147°29'14", Hydrologic Unit 19030004, near Persinger and Badger Roads.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 23 ft, cased to 21.4 ft, screened from 19.4 to 21.4 ft.

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

DATUM.--Elevation of land surface datum is 456.3 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1986 to August 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 16, 1986	9.27	JUN 26, 1987	9.97	JUL 17, 1987	9.79	MAY 16, 1988	9.81
OCT 16	8.76	JUL 02	9.97	APR 03, 1988	8.73	JUL 20	9.44
						AUG 19	9.31
	HIGHEST	8.73	APR 03, 1988				
	LOWEST	9.97	JUN 26, 1987	JUL 02, 1987			

---

**Field identifier: FP-19**

Site identifier, 645014147283001. Local number, FD00100111DDDA1 002.

LOCATION.-- Lat 64°50'14", long 147°28'30", Hydrologic Unit 19030004, near Feliz and Persinger Roads.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 23 ft, cased to 22.6 ft, screened from 20.6 to 22.6 ft.

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

DATUM.--Elevation of land surface datum is 455.8 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--June 1986 to August 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 15, 1986	8.63	JUN 26, 1987	8.51	APR 03, 1988	7.73	AUG 19, 1988	7.80
SEP 16	7.70	JUL 02	8.45	MAY 16	8.60		
OCT 15	7.21	17	8.28	JUL 20	8.00		
	HIGHEST	7.21	OCT 15, 1986				
	LOWEST	8.63	JUL 15, 1986				

---

**Field identifier: FP-75**

Site identifier, 644916147302201. Local number, FD00100114CCCC2 003.

LOCATION.-- Lat 64°49'16", long 147°30'22", Hydrologic Unit 19030004, near Lakloey and Holmes Roads.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 19 ft, cased to 18.5 ft, screened from 16.5 to 18.5 ft.

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

DATUM.--Elevation of land surface datum is 457.0 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1987 to August 1988.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 10, 1987	7.94	APR 02, 1988	9.22	MAY 16, 1988	8.59	JUL 20, 1988	7.39
						AUG 17	7.14
	HIGHEST	7.14	AUG 17, 1988				
	LOWEST	9.22	APR 02, 1988				

---

**Field identifier: BR-11**

Site identifier, 644915147283001. Local number, FD00100114DDDD1 004.

LOCATION.-- Lat 64°49'15", long 147°28'30", Hydrologic Unit 19030004, near Holmes and Browns Hill Roads.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 1.25 in, depth 6.4 ft, cased to 6.4 ft, screened from 3.4 to 6.4 ft.

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

DATUM.--Elevation of land surface datum is 456.6 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--June 1980 to March 1982, September 1986 to August 1988.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 19, 1986	0.55	JUN 29, 1987	OBSTR	JUL 28, 1987	OBSTR	JUL 20, 1988	1.79
OCT 15	0.95	JUL 09	OBSTR	30	1.80	AUG 19	1.77
JUN 22, 1987	OBSTR	17	OBSTR	APR 02, 1988	3.57		
	HIGHEST	0.55	SEP 19, 1986				
	LOWEST	3.57	APR 02, 1988	EXTREME FOR PERIOD OF RECORD: 4.74	JAN 8, 1981		

---

**Field identifier: P-166**

Site identifier, 644917147322401. Local number, FD00100115CCCC1 004.

LOCATION.-- Lat 64°49'17", long 147°32'24", Hydrologic Unit 19030004, near Dennis and Holmes Roads.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 19 ft, cased to 19 ft.

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

DATUM.--Elevation of land surface datum is 449.5 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Army Corps of Engineers.

PERIOD OF RECORD.--August 1972 to April 1974, April 1980 to March 1982, November 1985 to August 1988.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 27, 1986	4.81	SEP 25, 1986	4.00	APR 07, 1987	4.97	AUG 28, 1987	4.90
FEB 28	5.27	OCT 15	3.61	29	5.63	SEP 30	4.34
MAR 25	5.36	NOV 03	4.38	MAY 28	5.65	APR 02, 1988	6.20
APR 25	5.20	DEC 02	4.98	JUN 22	4.99	MAY 16	5.37
MAY 29	4.75	22	4.86	30	5.09	JUL 20	4.29
JUN 27	4.35	JAN 29, 1987	5.36	JUL 14	5.20	AUG 17	4.03
AUG 04	3.55	FEB 26	5.60	17	4.96		
SEP 02	3.67	MAR 26	5.81	28	5.16		
	HIGHEST	3.55	AUG 04, 1986	EXTREMES FOR PERIOD OF RECORD:	2.72	AUG 30, 1973	
	LOWEST	6.20	APR 02, 1988		6.50	APR 20, 1974	

---

---

**Field identifier: FP-79**

Site identifier, 644916147335501. Local number, FD00100116CDCC1 005.

LOCATION.-- Lat 64°49'16", long 147°33'55", Hydrologic Unit 19030004, near Badger and Runamuck Roads.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 20 ft, cased to 19.6 ft, screened from 17.6 to 19.6 ft.

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

DATUM.--Elevation of land surface datum is 449.7 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1987 to August 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 10, 1987	7.89	MAR 30, 1988	OBSTR	MAY 16, 1988	8.23	JUL 20, 1988	OBSTR
						AUG 17	7.17
		HIGHEST	7.17	AUG 17, 1988		LOWEST	8.23
						MAY 16, 1988	

---

**Field identifier: FP-0L**

Site identifier, 644841147351301. Local number, FD00100120CAAA1 002.

LOCATION.-- Lat 64°48'41", long 147°35'13", Hydrologic Unit 19030004, near Richardson Highway weigh station.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 23 ft, cased to 22.6 ft, screened from 20.6 to 22.6 ft.

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

DATUM.--Elevation of land surface datum is 449.4 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to July 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 20, 1986	8.37	JUN 22, 1987	9.43	JUL 16, 1987	9.30	MAY 16, 1988	9.65
OCT 15	8.27	30	9.37	17	9.30	JUL 13	8.34
						JUL 3, 1989	7.75
		HIGHEST	7.75	JUL 3, 1989		LOWEST	9.65
						MAY 16, 1988	

---

**Field identifier: P-Rich**

Site identifier, 644837147342701. Local number, FD00100120DACB1 003.

LOCATION.-- Lat 64°48'37", long 147°34'27", Hydrologic Unit 19030004, near Richardson Highway and drainage channel B.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 1.5 in.

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

DATUM.--Elevation of land surface datum is 453.0 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Army Corps of Engineers.

PERIOD OF RECORD.--October 1986 to JULY 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 07, 1986	10.72	JUN 22, 1987	11.32	JUL 17, 1987	11.15	MAY 16, 1988	11.34
15	10.54	JUL 02	11.30	APR 04, 1988	10.61	JUL 19	10.45
						AUG 18	10.49
						JUL 3, 1989	10.01
		HIGHEST	10.01	JUL 03, 1989		LOWEST	11.34
						MAY 16, 1988	

---

---

**Field identifier: FP-76 (see appendix 2 for daily water levels, 1987-88)**

Site identifier, 644825147322401. Local number, FD00100122CCCC1 004.

LOCATION.-- Lat 64°48'25", long 147°32'24", Hydrologic Unit 19030004, near Bradway and Dennis Roads.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 20 ft, cased to 19.0 ft, screened from 17 to 19 ft.

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

Digital recorder installed September 1987.

DATUM.--Elevation of land surface datum is 454.0 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1987 to July 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM							
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 17, 1987	4.73	APR 02, 1988	5.78	JUN 25, 1988	3.67	AUG 10, 1988	3.44
DEC 02	5.59	MAY 16	5.07	JUL 20	3.69	JUL 02, 1989	3.07
HIGHEST		3.07	JUL 03, 1989	LOWEST		5.78	APR 02, 1988

---

**Field identifier: BR-08**

Site identifier, 644822147303001. Local number, FD00100122DDDD1 003.

LOCATION.-- Lat 64°48'22", long 147°30'30", Hydrologic Unit 19030004, near Bradway and Lakloey Roads.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 1.25 in, depth 5.8 ft, cased to 5.8 ft, screened from 2.8 to 5.8 ft.

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

DATUM.--Elevation of land surface datum is 455.2 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--June 1980 to March 1982, October 1986 to August 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM							
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15, 1986	1.14	JUN 29, 1987	2.70	DEC 02, 1987	3.61	MAY 16, 1988	0.20
JUN 17, 1987	2.56	JUL 17	2.50	APR 03, 1988	OBSTR	JUL 20	1.41
HIGHEST		0.20	MAY 16, 1988	LOWEST		3.61	DEC 02, 1987
						AUG 16	1.36

---

**Field identifier: BR-07**

Site identifier, 644822147283001. Local number, FD00100123DDDD1 001.

LOCATION.-- Lat 64°48'22", long 147°28'30", Hydrologic Unit 19030004, near Bradway and Browns Hill Roads.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 1.25 in, depth 7.6 ft, cased to 7.6 ft, screened from 4.6 to 7.6 ft.

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

DATUM.--Elevation of land surface datum is 460.2 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--June 1980 to March 1982, October 1985 to July 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM							
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 27, 1986	OBSTR	SEP 03, 1986	1.81	MAR 26, 1987	OBSTR	SEP 30, 1987	3.56
FEB 28	OBSTR	25	1.98	APR 28	OBSTR	DEC 02	5.17
MAR 25	OBSTR	OCT 15	1.23	MAY 28	OBSTR	APR 03, 1988	OBSTR
APR 25	OBSTR	NOV 03	3.18	JUN 29	3.50	MAY 16	OBSTR
MAY 29	OBSTR	DEC 02	4.86	30	3.61	JUL 20	2.30
JUN 27	2.88	22	4.74	JUL 17	3.50	AUG 17	2.31
AUG 04	1.93	JAN 29, 1987	OBSTR	28	3.22	JUL 01, 1989	1.54
SEP 02	1.84	FEB 26	OBSTR	AUG 28	3.64		
	HIGHEST	1.23	OCT 15, 1986	EXTREME FOR PERIOD OF RECORD: 0.59 JUL 10, 1981			
	LOWEST	5.17	DEC 02, 1987				

---

**Field identifier: FP-0Q**

Site identifier, 644705147323501. Local number, FD00100133ADDD1 004.

LOCATION.-- Lat 64°47'05", long 147°32'35", Hydrologic Unit 19030004, near Bethany Street, Fairbanks.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 1.5 in.

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

DATUM.--Elevation of land surface datum is 459.8 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Army Corps of Engineers.

PERIOD OF RECORD.--October 1986 to July 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 14, 1986	6.01	JUL 16, 1987	6.69	MAY 16, 1988	6.57	JUL 02, 1989	6.22
JUL 07, 1987	6.68	APR 02, 1988	6.67	JUL 13	6.43		
HIGHEST	6.01	OCT 14, 1986		LOWEST	6.69	JUL 16, 1987	

---

**Field identifier: FP-21**

Site identifier, 644727147302301. Local number, FD00100134AAAA1 002.

LOCATION.-- Lat 64°47'27", long 147°30'23", Hydrologic Unit 19030004, near Old Richardson Highway.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 19 ft, cased to 16.4 ft, screened from 14.4 to 16.4 ft.

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

DATUM.--Elevation of land surface datum is 461.2 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to July 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 14, 1986	4.52	APR 06, 1987	5.71	APR 02, 1988	6.23	AUG 17, 1988	4.21
SEP 01	4.61	JUN 29	5.33	MAY 16	5.49	JUL 02, 1989	3.81
OCT 15	4.67	JUL 17	4.70	JUL 20	3.89		
HIGHEST	3.89	JUL 20, 1988					
LOWEST	6.23	APR 02, 1988					

---

**Field identifier: BR-01**

Site identifier, 644645147281001. Local number, FD00100136CCCA1 001.

LOCATION.-- Lat 64°46'45", long 147°28'10", Hydrologic Unit 19030004, near Richardson Highway.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 1.25 in, depth 18.1 ft, cased to 18.1 ft, screened from 15.1 to 18.1 ft.

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

DATUM.--Elevation of land surface datum is 468.4 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--June 1980 to March 1982, September 1986 to JULY 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 19, 1986	6.35	APR 06, 1987	6.80	JUL 17, 1987	5.39	MAY 16, 1988	6.96
OCT 15	6.76	JUL 07	6.04	APR 02, 1988	7.46	JUL 19	4.04
						AUG 17	4.95
						JUL 02, 1989	4.67
HIGHEST	4.04	JUL 19, 1988					
LOWEST	7.46	APR 02, 1988					

---



---

**Field identifier: FP-25**

Site identifier, 645100147211901. Local number, FD00100204DCCC1 001.

LOCATION.-- Lat 64°51'00", long 147°21'19", Hydrologic Unit 19030004, near Chena River.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 15 ft, cased to 13.4 ft, screened from 11.4 to 13.4 ft.

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

DATUM.--Elevation of land surface datum is 463.9 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--October 1986 to September 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01, 1986	8.2	JUL 02, 1987	9.06	JUL 19, 1987	8.47 T	OCT 09, 1987	8.93
						SEP 8, 1988	8.04
	HIGHEST	8.04	SEP 08, 1988				
	LOWEST	9.06	JUL 02, 1987				

---

**Field identifier: FP-0G**

Site identifier, 645124147240801. Local number, FD00100205CBAB1 001.

LOCATION.-- Lat 64°51'24", long 147°24'08", Hydrologic Unit 19030004, near Nordale Road.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 23 ft, cased to 21.5 ft, screened from 19.5 to 21.5 ft.

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

DATUM.--Elevation of land surface datum is 460.6 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--July 1986 to July 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 28, 1986	8.51	OCT 15, 1986	8.05	JUL 17, 1987	11.53	JUL 20, 1988	11.04
AUG 29	7.00	JUN 26, 1987	11.60	APR 01, 1988	12.17	21	11.12
SEP 11	10.03	JUL 02	11.65	MAY 16	10.49	AUG 23	10.78
						JUL 02, 1989	7.50
	HIGHEST	7.00	AUG 29, 1986				
	LOWEST	12.17	APR 01, 1988				

---

**Field identifier: FP-0F**

Site identifier, 645108147242001. Local number, FD00100205CCBA1 002.

LOCATION.-- Lat 64°51'08", long 147°24'20", Hydrologic Unit 19030004, near Nordale Road and Chena River.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 23 ft, cased to 21.9 ft, screened from 19.9 to 21.9 ft.

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

DATUM.--Elevation of land surface datum is 459.1 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to July 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 29, 1986	3.86	JUN 26, 1987	10.46	JUL 17, 1987	9.98	MAY 16, 1988	7.99
OCT 16	6.40	JUL 02	10.45	APR 01, 1988	11.21	JUL 21	9.90
						AUG 23	9.52
						JUL 02, 1989	6.55
	HIGHEST	3.86	AUG 29, 1986				
	LOWEST	11.21	APR 01, 1988				

---

**Field identifier: FP-26**

Site identifier, 645123147253501. Local number, FD00100206CAAB1 001

LOCATION.-- Lat 64°51'23", long 147°25'35", Hydrologic Unit 19030004, near 59-PL-3 Road about 0.6 mile west of Nordale Road.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 23 ft, cased to 22 ft, screened from 20 to 22 ft.

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

DATUM.--Elevation of land surface datum is 457.0 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--July 1986 to July 1989.

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 15, 1986	8.8	OCT 15, 1986	4.99	JUL 17, 1987	8.97	JUL 20, 1988	7.72
AUG 25	6.0	JUN 26, 1987	8.37	APR 01, 1988	10.75	AUG 23	8.26
SEP 02	5.17	JUL 02	8.53	MAY 16	9.35	JUL 02, 1989	4.71

HIGHEST	4.71	JUL 02, 1989	LOWEST	10.75	APR 01, 1988
---------	------	--------------	--------	-------	--------------

---

**FP-0D (see appendix 2 for daily water levels, 1987-89)**

Site identifier, 645035147243301. Local number, FD00100207ADDA1 002.

LOCATION.-- Lat 64°50'35", long 147°24'33", Hydrologic Unit 19030004, near Nordale and Freeman Roads.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 23 ft, cased to 21.9 ft, screened from 19.9 to 21.9 ft.

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

Digital recorder installed June 1987.

DATUM.--Elevation of land surface datum is 461.9 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to June 1989.

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 25, 1986	8.62	JUN 22, 1987	10.76	AUG 10, 1987	10.63	MAY 16, 1988	10.64
OCT 16	8.95	26	11.03	17	10.32	JUN 25	9.16
JUN 18, 1987	10.49	JUL 02	11.09	DEC 01	11.45	JUL 21	10.37
19	10.53	17	11.15	APR 04, 1988	11.70	AUG 10	10.35
						JUN 29, 1989	8.35

HIGHEST	8.35	JUN 29, 1989	LOWEST	11.70	APR 04, 1988
---------	------	--------------	--------	-------	--------------

---

**Field identifier: FP-27**

Site identifier, 645022147253201. Local number, FD00100207CADC1 001

LOCATION.-- Lat 64°50'22", long 147°25'32", Hydrologic Unit 19030004, near Cloud Road.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 24 ft, cased to 22.5 ft, screened from 20.5 to 22.5 ft.

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

DATUM.--Elevation of land surface datum is 461.0 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--July 1986 to July 1989.

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 16, 1986	10.16	JUN 22, 1987	9.98	APR 03, 1988	10.98	AUG 19, 1988	9.28
SEP 29	9.20	JUL 02	10.22	MAY 16	10.21	JUL 01, 1989	8.24
OCT 15	8.60	17	10.30	JUL 20	9.45		

HIGHEST	8.24	JUL 01, 1989	LOWEST	10.98	APR 03, 1988
---------	------	--------------	--------	-------	--------------

---

**Field identifier: FP-37**

Site identifier, 645005147243901. Local number, FD00100207DDDD1 003.

LOCATION.-- Lat 64°50'05", long 147°24'39", Hydrologic Unit 19030004, near Nordale and Porter Roads.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 27 ft, cased to 22.0 ft, screened from 20 to 22 ft.

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

DATUM.--Elevation of land surface datum is 467.2 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to June 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 25, 1986	11.88	JUN 22, 1987	13.14	APR 03, 1988	13.93	AUG 23, 1988	12.57
SEP 01	11.53	JUL 02	13.29	MAY 16	13.43	JUN 30, 1989	11.70
OCT 15	11.68	17	13.37	JUL 21	12.56		
	HIGHEST	11.53	SEP 01, 1986				
	LOWEST	13.93	APR 03, 1988				

---

**Field identifier: FP-28**

Site identifier, 645051147242801. Local number, FD00100208BBCB1 001.

LOCATION.-- Lat 64°50'51", long 147°24'28", Hydrologic Unit 19030004, near Nordale Road and Chena River.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 23 ft, cased to 21.9 ft, screened from 19.9 to 21.9 ft.

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

DATUM.--Elevation of land surface datum is 457.4 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to June 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 25, 1986	1.81	JUL 02, 1987	8.23	APR 01, 1988	9.04	AUG 25, 1988	7.39
OCT 15	4.49	17	7.72	MAY 16	5.89	JUN 30, 1989	3.80
JUN 26, 1987	8.22	OCT 09	7.67	JUL 21	7.69		
	HIGHEST	1.81	AUG 25, 1986				
	LOWEST	9.04	APR 01, 1988				

---

**Field identifier: FP-0E**

Site identifier, 645047147242501. Local number, FD00100208BBCC1 002.

LOCATION.-- Lat 64°50'47", long 147°24'25", Hydrologic Unit 19030004, near Nordale Road and Chena River.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 24 ft, cased to 23.9 ft, screened from 21.9 to 23.9 ft.

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

DATUM.--Elevation of land surface datum is 457.6 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to June 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 25, 1986	2.38	JUL 02, 1987	8.21	APR 01, 1988	9.17	AUG 23, 1988	7.32
OCT 15	4.61	17	7.83	MAY 16	6.27	JUN 30, 1989	4.05
JUN 26, 1987	8.18	OCT 09	8.15	JUL 21	7.61		
	HIGHEST	2.38	AUG 25, 1986				
	LOWEST	9.17	APR 01, 1988				

---

---

**Field identifier: FP-29**

Site identifier, 645033147202901. Local number, FD00100209ADDD1 003.

LOCATION.-- Lat 64°50'33", long 147°20'29", Hydrologic Unit 19030004, near eastern end of Freeman Road.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 23.2 ft, cased to 23.2 ft, screened from 21.2 to 23.2 ft.

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

DATUM.--Elevation of land surface datum is 468.3 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1986 to July 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 11, 1986	7.72	JUL 17, 1987	9.69	MAY 16, 1988	8.59	AUG 23, 1988	8.73
OCT 16	6.03	NOV 05	9.70	JUN 24	6.15	JUL 02, 1989	5.47
JUN 22, 1987	9.27	APR 26, 1988	9.49	JUL 21	8.91		
	HIGHEST	5.47	JUL 02, 1989				
	LOWEST	9.70	NOV 05, 1987				

---

**Field identifier: FP-31**

Site identifier, 645008147173201. Local number, FD00100211CDCD1 001.

LOCATION.-- Lat 64°50'08", long 147°17'32", Hydrologic Unit 19030004, near Chena River.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 23 ft, cased to 23.0 ft, screened from 21 to 23 ft.

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

DATUM.--Elevation of land surface datum is 477.6 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to August 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 25, 1986	4.45	OCT 14, 1986	8.17	JUL 20, 1987	13.01	AUG 23, 1988	11.80
29	8.32	JUN 30, 1987	12.75	JUL 22, 1988	12.17		
	HIGHEST	4.45	AUG 25, 1986				
	LOWEST	13.01	JUL 20, 1987				

---

**Field identifier: FP-33**

Site identifier, 644922147161501. Local number, FD00100213CCBC1 001.

LOCATION.-- Lat 64°49'22", long 147°16'15", Hydrologic Unit 19030004, near Chena River.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 15 ft, cased to 11.9 ft, screened from 9.9 to 11.9 ft.

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

DATUM.--Elevation of land surface datum is 479.4 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--October 1986 to September 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 03, 1986	10.09	JUL 02, 1987	OBSTR	OCT 09, 1987	DRY	APR 03, 1988	DRY
						SEP 8	9.84
	HIGHEST	9.84	SEP 8, 1988				
	LOWEST	DRY	JUL 2, 1987, OCT 9, 1987, & APR 3, 1988				

---

**Field identifier: Field identifier: FP-42**

Site identifier, 644918147181601. Local number, FD00100214CCCB1 002

LOCATION.-- Lat 64°49'18", long 147°18'16", Hydrologic Unit 19030004, near Peede Road.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 24.1 ft, cased to 24.1 ft, screened from 22.1 to 24.1 ft.

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

DATUM.--Elevation of land surface datum is 476.1 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to June 1989

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 25, 1986	5.96	JUN 19, 1987	8.90	JUL 17, 1987	9.68	MAY 16, 1988	8.73
OCT 14	6.71	30	9.36	APR 03, 1988	9.71	JUL 21	OBSTR
						AUG 23	8.57
						SEP 9	8.80
						JUN 30, 1989	5.88
		HIGHEST	5.88 JUN 30, 1989				
		LOWEST	9.71 APR 03, 1988				

---

**Field identifier: FP-34**

Site identifier, 644926147170501. Local number, FD00100214DCAB1 001.

LOCATION.-- Lat 64°49'26", long 147°17'05", Hydrologic Unit 19030004, near eastern end of Peede Road.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 23 ft, cased to 23 ft, screened from 20 to 22 ft.

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

DATUM.--Elevation of land surface datum is 475.5 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to June 1989.

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 29, 1986	5.08	JUN 30, 1987	8.24	MAY 01, 1988	8.98	JUL 21, 1988	7.48
OCT 14	5.65	JUL 17	8.83	16	8.76	AUG 23	7.50
						JUN 30, 1989	5.23
		HIGHEST	5.08 AUG 29, 1986				
		LOWEST	8.98 MAY 01, 1988				

---

**Field identifier: FP-30**

Site identifier, 644953147192301. Local number, FD00100215ABCC1 001.

LOCATION.-- Lat 64°49'53", long 147°19'23", Hydrologic Unit 19030004, near Chena River.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 14 ft, cased to 14 ft, screened from 12 to 14 ft.

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

DATUM.--Elevation of land surface datum is 472.5 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--October 1986 to September 1988.

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01, 1986	9.40	JUL 02, 1987	9.97	OCT 09, 1987	DRY	APR 03, 1988	DRY
						SEP 8	8.94
		HIGHEST	8.94 SEP 8, 1988				
		LOWEST	DRY OCT 9, 1987 & APR 3, 1988				

---

**Field identifier: FP-35**

Site identifier, 644926147200201. Local number, FD00100215DCCA1 001.

LOCATION.-- Lat 64°49'26", long 147°20'02", Hydrologic Unit 19030004, near Peede Road.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 23 ft, cased to 22.1 ft, screened from 20.1 to 22.1 ft.

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

DATUM.--Elevation of land surface datum is 472.3 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to June 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 29, 1986	5.32	JUN 19, 1987	7.39	JUL 17, 1987	7.85	MAY 16, 1988	7.68
OCT 14	5.71	30	7.60	APR 03, 1988	8.20	JUL 21	6.68
						AUG 23	6.76
						JUN 30, 1989	5.44
	HIGHEST	5.32	AUG 29, 1986				
	LOWEST	8.20	APR 03, 1988				

---

**Field identifier: FP-36**

Site identifier, 645004147222401. Local number, FD00100216BBBB1 001.

LOCATION.-- Lat 64°50'04", long 147°22'24", Hydrologic Unit 19030004, near Trans-Alaska Pipeline.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, cased to 22.1 ft, screened from 20.1 to 22.1 ft.

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

DATUM.--Elevation of land surface datum is 466.0 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1986 to July 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 11, 1986	6.55	JUN 22, 1987	8.10	NOV 05, 1987	8.63	MAY 16, 1988	8.37
OCT 16	6.25	JUL 17	8.52	APR 03, 1988	9.15	JUL 21	7.53
						AUG 23	7.59
						JUN 30, 1989	5.98
						JUL 2	5.95
	HIGHEST	5.95	JUL 2, 1989				
	LOWEST	9.15	APR 03, 1988				

---

**Field identifier: FP-0B**

Site identifier, 644911147262001. Local number, FD00100219BBBB1 010.

LOCATION.-- Lat 64°49'11", long 147°26'20", Hydrologic Unit 19030004, near Peede and Badger Roads.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 23 ft, cased to 21.9 ft, screened from 19.9 to 21.9 ft.

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

DATUM.--Elevation of land surface datum is 462.2 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1986 to July 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 16, 1986	8.12	JUN 19, 1987	8.87	JUL 17, 1987	8.36	JUL 21, 1988	8.37
OCT 15	8.12	JUL 02	8.66	MAR 31, 1988	8.91	AUG 19	7.86
APR 07, 1987	8.70	09	8.49	MAY 16	8.93	JUL 01, 1989	7.73
	HIGHEST	7.73	JUL 01, 1989				
	LOWEST	8.93	MAY 16, 1988				

---

---

**Field identifier: BR-05**

Site identifier, 644822147243001. Local number, FD00100219DDDD1 009.

LOCATION.-- Lat 64°48'22", long 147°24'30", Hydrologic Unit 19030004, near Bradway and Woll Roads.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 1.25 in, depth 12.9 ft, cased to 12.9 ft, screened from 9.9 to 12.9 ft.

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

DATUM.--Elevation of land surface datum is 466.1 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--June 1980 to March 1982, September 1980 to July 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 03, 1986	5.03	JUN 29, 1987	OBSTR	JUL 30, 1987	5.39	JUL 21, 1988	4.96
OCT 15	5.05	JUL 02	OBSTR	MAR 31, 1988	OBSTR	AUG 16	5.11
APR 06, 1987	OBSTR	17	5.58	MAY 16	OBSTR	JUL 01, 1989	4.85
	HIGHEST	4.85	JUL 01, 1989				
	LOWEST	5.58	JUL 17, 1987	EXTREME FOR PERIOD OF RECORD:	6.52	APR 30, 1981	

---

**Field identifier: FP-38**

Site identifier, 644911147242501. Local number, FD00100220BBBB1 002.

LOCATION.-- Lat 64°49'11", long 147°24'25", Hydrologic Unit 19030004, near Nordale and Peede Roads.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 25 ft, cased to 23.7 ft, screened from 21.7 to 23.7 ft.

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

DATUM.--Elevation of land surface datum is 467.3 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to October 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 25, 1986	9.07	JUL 02, 1987	9.94	DEC 02, 1987	10.18	JUL 21, 1988	9.29
SEP 01	9.01	09	9.94	APR 03, 1988	9.93	AUG 10	9.39
OCT 15	9.06	17	9.81	MAY 16	9.79	JUN 29, 1989	7.40
JUN 18, 1987	10.00	AUG 10	9.62	JUN 25	9.27	OCT 24	8.30
	HIGHEST	7.40	JUN 29, 1989				
	LOWEST	10.18	DEC 02, 1987				

---

**Field identifier: FP-39**

Site identifier, 644836147222801. Local number, FD00100220DDDD1 003.

LOCATION.-- Lat 64°48'36", long 147°22'28", Hydrologic Unit 19030004, near Brock Road.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 22 ft, cased to 19.8 ft, screened from 17.8 to 19.8 ft.

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

DATUM.--Elevation of land surface datum is 470.2 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1986 to July 1989

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 16, 1986	6.70	JUN 26, 1987	7.30	MAR 31, 1988	5.72	JUL 21, 1988	6.82
OCT 14	6.58	JUL 17	7.21	MAY 17	5.46	AUG 23	6.90
						JUL 01, 1989	6.48
	HIGHEST	5.46	MAY 17, 1988				
	LOWEST	7.30	JUN 26, 1987				



---

**Field identifier: FP-41**

Site identifier, 644911147204401. Local number, FD00100221AAAB1 001.

LOCATION.-- Lat 64°49'11", long 147°20'44", Hydrologic Unit 19030004, near Peede Road and Trans-Alaska Pipeline.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 23 ft, cased to 22.9 ft, screened from 20.9 to 22.9 ft.

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

DATUM.--Elevation of land surface datum is 471.6 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to June 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 25, 1986	6.55	JUN 18, 1987	8.13	JUL 01, 1987	8.51	MAY 16, 1988	8.30
SEP 04	6.45	19	8.31	17	8.67	JUL 21	7.55
OCT 14	6.60	30	8.48	APR 03, 1988	8.60	AUG 23	7.59
						JUN 30, 1989	6.17
	HIGHEST	6.17	JUN 30, 1989				
	LOWEST	8.67	JUL 17, 1987				

---

**Field identifier: FP-40**

Site identifier, 644910147221501. Local number, FD00100221BBBB1 002.

LOCATION.-- Lat 64°49'10", long 147°22'15", Hydrologic Unit 19030004, near Brock and Peede Roads.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 21 ft, cased to 20.1 ft, screened from 18.1 to 20.1 ft.

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

DATUM.--Elevation of land surface datum is 467.8 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1986 to June 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 11, 1986	5.91	JUN 18, 1987	7.14	MAR 31, 1988	OBSTR	JUL 21, 1988	6.53
OCT 14	5.88	JUL 17	7.39	MAY 16	7.38	AUG 23	6.63
						JUN 30, 1989	5.01
	HIGHEST	5.01	JUN 30, 1989				
	LOWEST	7.39	JUL 17, 1987				

---

**Field identifier: FP-43**

Site identifier, 644832147150601. Local number, FD00100224DCCD1 001.

LOCATION.-- Lat 64°48'32", long 147°15'06", Hydrologic Unit 19030004, near Chena River.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 15 ft, cased to 13.7 ft, screened from 11.7 to 13.7 ft.

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

DATUM.--Elevation of land surface datum is 486.0 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--October 1986 to September 1988.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 03, 1986	10.69	JUL 18, 1987	11.13	APR 03, 1988	11.28	JUL 19, 1988	OBSTR
JUL 02, 1987	10.74	OCT 19	10.64	MAY 16	OBSTR	SEP 8	9.79
	HIGHEST	9.79	SEP 8, 1988				
	LOWEST	11.28	APR 03, 1988				

---

---

**Field identifier: FP-41B**

Site identifier, 644817147184101. Local number, FD00100227AAAB1 002.

LOCATION.-- Lat 64°48'17", long 147°18'41", Hydrologic Unit 19030004, near Trans-Alaska Pipeline.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 21 ft, cased to 15.1 ft, screened from 13.1 to 15.1 ft.

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

DATUM.--Elevation of land surface datum is 473.8 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1986 to July 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 04, 1986	3.56	JUN 30, 1987	5.47	JUL 17, 1987	5.63	MAY 16, 1988	5.57
OCT 14	3.26	JUL 01	5.48	APR 01, 1988	5.99	JUL 22	4.42
						AUG 18	4.34
						JUL 02, 1989	2.72
		HIGHEST	2.72	JUL 02, 1989			
		LOWEST	5.99	APR 01, 1988			

---

**Field identifier: FP-46**

Site identifier, 644732147201901. Local number, FD00100227CCCC1 001.

LOCATION.-- Lat 64°47'32", long 147°20'19", Hydrologic Unit 19030004, near Repp and Hollowell Roads.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, cased to 22.8 ft, screened from 20.8 to 22.8 ft.

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

DATUM.--Elevation of land surface datum is 476.9 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to June 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 25, 1986	6.66	JUN 30, 1987	7.81	APR 02, 1988	OBSTR	JUL 21, 1988	7.07
SEP 12	6.91	JUL 01	7.77	03	OBSTR	AUG 18	6.10
OCT 14	6.82	17	7.73	MAY 16	OBSTR	JUN 30, 1989	6.37
		HIGHEST	6.10	AUG 18, 1988		LOWEST	7.81
				JUN 30, 1987			

---

**Field identifier: FP-47**

Site identifier, 644750147221201. Local number, FD00100228CBDB1 001

LOCATION.-- Lat 64°47'50", long 147°22'12", Hydrologic Unit 19030004, near Brock Road.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 22 ft, cased to 21.7 ft, screened from 19.7 to 21.7 ft.

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

DATUM.--Elevation of land surface datum is 472.6 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1986 to June 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 12, 1986	6.65	JUN 26, 1987	OBSTR	SEP 15, 1987	6.84	MAY 16, 1988	OBSTR
OCT 14	6.53	AUG 26	6.70	MAR 31, 1988	7.06	JUL 21	OBSTR
						AUG 23	6.56
						JUN 30, 1989	4.15
		HIGHEST	4.15	JUN 30, 1989		LOWEST	7.06
				MAR 31, 1988			

---

**Field identifier: FP-48 (see appendix 2 for daily water levels, 1987-89)**

Site identifier, 644758147233401. Local number, FD00100229BDDC1 001.

LOCATION.-- Lat 64°47'58", long 147°23'34", Hydrologic Unit 19030004, near Badger Road.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 22.5 ft, cased to 22.2 ft, screened from 20.2 to 22.2 ft.

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

Digital recorder installed June 1987.

DATUM.--Elevation of land surface datum is 470.9 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1986 to June 1989.

---

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM							
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 16, 1986	8.07	JUN 19, 1987	8.47	JUL 17, 1987	8.08	MAY 16, 1988	8.51
OCT 15	8.02	22	8.42	AUG 10	7.92	JUN 25	7.73
JUN 17, 1987	8.68	26	8.34	DEC 02	8.57	JUL 21	7.70
18	8.47	JUL 02	8.28	MAR 31, 1988	8.23	AUG 10	7.81
						JUN 29, 1989	7.74
HIGHEST 7.70 JUL 21, 1988				LOWEST 8.68 JUN 17, 1987			

---

**Field identifier: FP-49**

Site identifier, 644755147261001. Local number, FD00100230CBAB1 001.

LOCATION.-- Lat 64°47'55", long 147°26'10", Hydrologic Unit 19030004, near Benn Road.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 23 ft, cased to 22.2 ft, screened from 20.2 to 22.2 ft.

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

DATUM.--Elevation of land surface datum is 464.2 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1986 to August 1988.

---

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM							
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 03, 1986	1.52	JUN 29, 1987	3.45	APR 03, 1988	6.37	JUL 20, 1988	1.50
OCT 15	0.42	JUL 17	3.90	MAY 16	5.20	AUG 16	1.98
HIGHEST 0.42 OCT 15, 1986				LOWEST 6.37 APR 03, 1988			

---

**Field identifier: BR-04**

Site identifier, 644728147243001. Local number, FD00100231AAAA1 001.

LOCATION.-- Lat 64°47'28", long 147°24'30", Hydrologic Unit 19030004, near Moose and Woll Roads.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 1.25 in, depth 13.5 ft, cased to 13.5 ft, screened from 10.5 to 13.5 ft.

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

DATUM.--Elevation of land surface datum is 470.4 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--June 1980 to March 1982, October 1985 to July 1989.

---

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM							
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 27, 1986	6.90	SEP 03, 1986	5.15	FEB 26, 1987	6.75	JUL 28, 1987	5.76
FEB 28	6.91	25	5.48	MAR 26	6.56	AUG 28	6.00
MAR 25	6.69	OCT 15	4.20	APR 29	6.36	SEP 30	6.14
APR 25	6.33	NOV 03	5.91	MAY 28	6.81	MAR 31, 1988	6.94
MAY 29	6.47	DEC 02	5.83	JUN 29	6.14	MAY 16	6.56
JUN 27	6.11	22	6.48	JUL 01	6.11	JUL 22	5.02
AUG 04	OBSTR	JAN 29, 1987	6.71	17	6.01	AUG 16	5.29
						JUL 02, 1989	4.39
HIGHEST 4.20 OCT 15, 1986				LOWEST 6.94 MAR 31, 1988			

---

---

**Field identifier: FP-74**

Site identifier, 644653147242501. Local number, FD00100231DADD1 002.

LOCATION.-- Lat 64°46'53", long 147°24'25", Hydrologic Unit 19030004, near Drainage Channel C.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 19 ft, cased to 18.5 ft, screened from 16.5 to 18.5 ft.

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

DATUM.--Elevation of land surface datum is 472.0 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1987 to August 1988.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 09, 1987	5.32	MAY 16, 1988	OBSTR	JUN 10, 1988	5.87	JUL 22, 1988	5.11
APR 03, 1988	7.58					AUG 17	5.19
	HIGHEST	5.11	JUL 22, 1988				
	LOWEST	7.58	APR 03, 1988				

---

**Field identifier: FP-0C**

Site identifier, 644727147224901. Local number, FD00100232AABB1 009.

LOCATION.-- Lat 64°47'27", long 147°22'49", Hydrologic Unit 19030004, near Repp and Badger Roads.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 23 ft, cased to 21.9 ft, screened from 19.9 to 21.9 ft.

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

DATUM.--Elevation of land surface datum is 470.2 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1986 to July 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 12, 1986	5.36	JUN 26, 1987	5.32	JUL 17, 1987	5.12	JUN 10, 1988	5.06
OCT 16	5.21	JUL 02	5.30	MAR 31, 1988	OBSTR	JUL 21	5.40
				MAY 17	5.42	AUG 17	4.86
						JUL 01, 1989	4.76
	HIGHEST	4.76	JUL 01, 1989				
	LOWEST	5.42	MAY 17, 1988				

---

**Field identifier: BR-03**

Site identifier, 644643147215501. Local number, FD00100233CDCC1 001.

LOCATION.-- Lat 64°46'43", long 147°21'55", Hydrologic Unit 19030004, near Plack and Badger Roads.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 1.25 in, depth 18.3 ft, cased to 18.3 ft, screened from 15.3 to 18.3 ft.

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

DATUM.--Elevation of land surface datum is 478.5 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--June 1980 to March 1982, September 1986 to July 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 18, 1986	8.06	JUL 27, 1987	7.97	MAY 16, 1988	OBSTR	AUG 17, 1988	7.77
OCT 14	7.96	MAR 31, 1988	OBSTR	JUL 19	7.63	JUL 02, 1989	7.50
	HIGHEST	7.50	JUL 02, 1989				
	LOWEST	8.06	SEP 18, 1986				

EXTREME FOR PERIOD OF RECORD: 8.84 APR 30, 1981

---

**Field identifier: FP-50**

Site identifier, 644642147201801. Local number, F00100233DDDD1 001.

LOCATION.-- Lat 64°46'42", long 147°20'18", Hydrologic Unit 19030004, near Plack and Hollowell Roads.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 25 ft, cased to 23.6 ft, screened from 21.6 to 23.6 ft.

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

DATUM.--Elevation of land surface datum is 479.4 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1986 to August 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 11, 1986	6.85	JUN 30, 1987	7.38	JUL 17, 1987	7.31	MAY 16, 1988	7.56
OCT 16	6.92	JUL 01	7.42	APR 01, 1988	6.62	JUL 19	6.80
						AUG 18	6.83
	HIGHEST	6.62	APR 01, 1988				
	LOWEST	7.56	MAY 16, 1988				

---

**Field identifier: FP-45**

Site identifier, 644732147180201. Local number, FD00100235BBAB1 002.

LOCATION.-- Lat 64°47'32", long 147°18'02", Hydrologic Unit 19030004, near Repp Road and

Trans-Alaska Pipeline.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 22.5 ft, cased to 22.4 ft, screened from 20.4 to 22.4 ft.

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

DATUM.--Elevation of land surface datum is 479.3 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1986 to August 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 12, 1986	4.57	JUN 30, 1987	6.21	JUL 17, 1987	6.31	MAY 16, 1988	6.51
OCT 14	4.26	JUL 01	6.23	APR 01, 1988	6.82	JUL 22	5.38
						AUG 18	5.34
	HIGHEST	4.26	OCT 14, 1986				
	LOWEST	6.82	APR 01, 1988				

---

**Field identifier: FP-51**

Site identifier, 644638147162001. Local number, FD00100235DDDD1 001.

LOCATION.-- Lat 64°46'38", long 147°16'20", Hydrologic Unit 19030004, near Plack and McCormack Roads.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 22 ft, cased to 21.6 ft, screened from 19.6 to 21.6 ft.

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

DATUM.--Elevation of land surface datum is 485.1 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1986 to June 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 11, 1986	5.64	JUN 30, 1987	7.63	JUL 17, 1987	7.72	MAY 16, 1988	7.98
OCT 16	5.73	JUL 09	7.72	APR 01, 1988	8.30	JUL 19	6.69
						AUG 18	6.74
						JUN 30, 1989	5.85
	HIGHEST	5.64	SEP 11, 1986				
	LOWEST	8.30	APR 01, 1988				

---

**Field identifier: FP-44**

Site identifier, 644727147150601. Local number, FD00100236ABBB1 001.

LOCATION.-- Lat 64°47'27", long 147°15'06", Hydrologic Unit 19030004, near Repp Road.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 22 ft, cased to 22.0 ft, screened from 20 to 22 ft.

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

DATUM.--Elevation of land surface datum is 483.0 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1986 to June 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 11, 1986	4.04	JUL 09, 1987	OBSTR	APR 02, 1988	OBSTR	JUL 19	OBSTR
OCT 14	3.29	31	OBSTR	MAY 16, 1988	OBSTR	JUN 30, 1989	4.19
	HIGHEST	3.29	OCT 14, 1986				
	LOWEST	4.19	JUN 30, 1989				

---

**Field identifier: FP-52 (see appendix 2 for daily water levels, 1987-89)**

Site identifier, 644645147152201. Local number, FD00100236DDDD1 002.

LOCATION.-- Lat 64°46'45", long 147°14'22", Hydrologic Unit 19030004, near eastern end of Plack Road.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, cased to 22.3 ft, screened from 20.3 to 22.3 ft.

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

Digital recorder installed July 1987.

DATUM.--Elevation of land surface datum is 486.7 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to June 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 28, 1986	4.80	JUL 17, 1987	7.67	AUG 17, 1987	7.30	JUL 19, 1988	6.51
OCT 14	5.43	20	7.66	DEC 1	7.80	AUG 10	6.72
JUN 30, 1987	7.54	21	7.67	APR 01, 1988	8.21	JUN 30, 1989	5.35
				MAY 16	7.70		
	HIGHEST	4.80	AUG 28, 1986	LOWEST	8.21	APR 1, 1988	

---

**Field identifier: P-406**

Site identifier, 644851147091301. Local number, FD00100321ACCB1 001.

LOCATION.-- Lat 64°48'51", long 147°09'13", Hydrologic Unit 19030004, near northern end of Moose Creek Dam.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 1.5 in, depth 28 ft, cased to 26.9 ft, screened from 21.9 to 26.9 ft.

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

DATUM.--Elevation of land surface datum is 503.9 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Army Corps of Engineers.

PERIOD OF RECORD.--May 1985 to July 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 15, 1986	14.15	JUL 01, 1987	18.44	NOV 09, 1987	19.03	MAY 16, 1988	19.44
OCT 14	16.16	17	18.82	APR 01, 1988	19.96	JUL 21	17.47
						AUG 19	17.59
						JUL 02, 1989	16.51
	HIGHEST	14.15	SEP 15, 1986	EXTREME FOR PERIOD OF RECORD:	14.4	JUN 2, 1985	
	LOWEST	19.96	APR 01, 1988				

---

**Field identifier: FP-66**

Site identifier, 644816147101601. Local number, FD00100328BBCB1 001.

LOCATION.-- Lat 64°48'16", long 147°10'16", Hydrologic Unit 19030004, near Moose Creek Dam.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 23 ft, cased to 22.9 ft, screened from 20.9 to 22.9 ft.

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

DATUM.--Elevation of land surface datum is 497.5 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to July 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM							
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 15, 1986	10.20	JUL 01, 1987	12.69	NOV 09, 1987	13.21	MAY 16, 1988	12.65
OCT 14	10.36	17	13.06	APR 01, 1988	13.05	JUL 21	11.70
						AUG 19	11.38
						JUL 02, 1989	8.49
HIGHEST	8.49	JUL 02, 1989		LOWEST	13.21	NOV 09, 1987	

---

**Field identifier: P-380**

Site identifier, 644744147103301. Local number, FD00100329DADC1 002.

LOCATION.-- Lat 64°47'44", long 147°10'33", Hydrologic Unit 19030004, near Moose Creek Dam and Chena River.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 1.5 in, depth 15 ft, cased to 14.5 ft, screened from 11.5 to 14.5 ft.

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

DATUM.--Elevation of land surface datum is 492.8 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Army Corps of Engineers.

PERIOD OF RECORD.--May 1985 to July 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM							
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 29, 1986	7.80	JUL 01, 1987	8.80	NOV 09, 1987	8.97	MAY 16, 1988	7.43
OCT 14	5.60	17	8.66	APR 01, 1988	10.25	JUL 21	8.17
						AUG 19	7.57
						JUL 02, 1989	4.32
HIGHEST	4.32	JUL 02, 1989		EXTREME FOR PERIOD OF RECORD:	1.2 FT ABOVE LAND SURFACE	MAY 29, 1985	
LOWEST	10.25	APR 01, 1988					

---

**Field identifier: FP-65 (see appendix 2 for daily water levels, 1987-89)**

Site identifier, 644759147134501. Local number, FD00100330BDCB1 001.

LOCATION.-- Lat 64°47'59", long 147°13'45", Hydrologic Unit 19030004, near Chena River about 1.6 mile west of Moose Creek Dam.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 28 ft, cased to 27.7 ft, screened from 25.7 to 27.7 ft.

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

Digital recorder installed July 1987.

DATUM.--Elevation of land surface datum is 495.0 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1986 to June 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM							
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 15, 1986	16.34	JUL 17, 1987	17.43	NOV 09, 1987	17.86	JUL 21, 1988	17.13
OCT 14	13.55	21	17.96	MAR 16, 1988	19.27	AUG 10	16.36
APR 07, 1987	17.95	22	17.99	APR 01	18.62	JUN 30, 1989	12.51
JUN 30	17.72	30	16.91	MAY 16	14.99		
JUL 02	17.92	AUG 19	15.89	JUN 24	14.31		
HIGHEST	12.51	JUN 30, 1989		LOWEST	19.27	MAR 16, 1988	



---

**Field identifier: FP-68**

Site identifier, 644721147132201. Local number, FD00100331BADA1 002

LOCATION.-- Lat 64°47'21", long 147°13'22", Hydrologic Unit 19030004, near road adjacent Moose Creek Dam's seepage collector channel.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 29 ft, cased to 27.5 ft, screened from 25.5 to 27.5 ft.

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

DATUM.--Elevation of land surface datum is 494.7 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1987 to July 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 15, 1987	15.31	APR 01, 1988	16.60	JUN 24, 1988	12.91	JUL 02, 1989	11.69
NOV 09	16.18	MAY 16	14.85	JUL 21	15.15		
		HIGHEST	11.69	JUL 02, 1989			
		LOWEST	16.60	APR 01, 1988			

---

**Field identifier: P-367**

Site identifier, 644703147110801. Local number, FD00100332ACCC1 001.

LOCATION.-- Lat 64°47'03", long 147°11'08", Hydrologic Unit 19030004, near Moose Creek Dam.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 1.5 in, depth 29 ft, cased to 28.8 ft, screened from 18.8 to 28.8 ft.

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

DATUM.--Elevation of land surface datum is 495.0 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Army Corps of Engineers.

PERIOD OF RECORD.--May 1985 to June 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 29, 1986	12.36	JUN 30, 1987	13.12	JUL 17, 1987	13.17	APR 01, 1988	14.17
OCT 14	10.22	JUL 01	13.14	NOV 01	13.44	JUL 21	12.49
						AUG 19	12.11
						JUN 30, 1989	5.88
		HIGHEST	5.88	JUN 30, 1989	EXTREME FOR PERIOD OF RECORD:	3.5	MAY 29, 1985
		LOWEST	14.17	APR 01, 1988			

---

**Field identifier: P-97**

Site identifier, 644624147271501. Local number, FD00200101ACBA1 001.

LOCATION.-- Lat 64°46'24", long 147°27'15", Hydrologic Unit 19030004, near Tanana River Levee and Richardson Highway.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 27 ft, cased to 23.0 ft, open end at 23 ft.

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

DATUM.--Elevation of land surface datum is 472.1 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Army Corps of Engineers.

PERIOD OF RECORD.--November 1972 to December 1973, October 1986 to July 1988.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 09, 1986	7.00	JUL 07, 1987	OBSTR	MAY 17, 1988	6.75
14	6.49	16	4.65	JUL 13	4.09
		HIGHEST	4.09	JUL 13, 1988	
		LOWEST	7.00	OCT 09, 1986	EXTREME FOR PERIOD OF RECORD:
					7.10 NOV 7, 1972

---

---

**Field identifier: FP-53**

Site identifier, 644547147160601. Local number, FD00200201CCCC1 001.

LOCATION.-- Lat 64°45'47", long 147°16'06", Hydrologic Unit 19030004, near Hurst Road and Trans-Alaska Pipeline.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, cased to 22.8 ft, screened from 20.8 to 22.8 ft.

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

DATUM.--Elevation of land surface datum is 489.9 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to June 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 23, 1986	7.79	JUL 01, 1987	9.40	MAR 31, 1988	9.93	AUG 18, 1988	8.53
SEP 11	7.74	10	9.37	MAY 16	9.80	JUN 30, 1989	8.88
OCT 16	7.79	17	9.35	JUL 19	8.52		
	HIGHEST	7.74	SEP 11, 1986				
	LOWEST	9.93	MAR 31, 1988				

---

**Field identifier: FP-55**

Site identifier, 644547147200201. Local number, FD00200203CCDC1 003.

LOCATION.-- Lat 64°45'47", long 147°20'02", Hydrologic Unit 19030004, near Hurst Road and Chena Slough.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, cased to 20.4 ft, screened from 18.4 to 20.4 ft.

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

DATUM.--Elevation of land surface datum is 482.1 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to July 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 14, 1986	6.25	JUL 01, 1987	6.60	JUL 17, 1987	6.48	MAY 16, 1988	6.47
OCT 14	6.40	10	6.56	MAR 31, 1988	6.05	JUL 19	6.16
						AUG 18	6.22
						JUL 01, 1989	6.20
	HIGHEST	6.05	MAR 31, 1988				
	LOWEST	6.60	JUL 01, 1987				

---

**Field identifier: FP-54**

Site identifier, 644548147182801. Local number, FD00200203DDDD1 002.

LOCATION.-- Lat 64°45'48", long 147°18'28", Hydrologic Unit 19030004, near Hurst Road and Dawson Road.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 23 ft, cased to 23.0 ft, screened from 21 to 23 ft.

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

DATUM.--Elevation of land surface datum is 487.9 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--July 1986 to July 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 09, 1986	11.	JUL 01, 1987	9.27	MAR 31, 1988	9.22	AUG 18, 1988	8.74
AUG 15	8.45	10	9.23	MAY 16	9.52	JUL 01, 1989	8.34
OCT 14	8.41	17	9.19	JUL 19	8.68		
	HIGHEST	8.34	JUL 01, 1989				
	LOWEST	11.	JUL 09, 1986				

---

**Field identifier: FP-73**

Site identifier, 644606147205001. Local number, FD00200204DABC1 002.

LOCATION.-- Lat 64°46'06", long 147°20'50", Hydrologic Unit 19030004, near Badger Road.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 20 ft, cased to 20.0 ft, screened from 18 to 20 ft.

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

DATUM.--Elevation of land surface datum is 481.0 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1987 to July 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 16, 1987	6.83	MAR 31, 1988	6.19	MAY 16, 1988	6.98	JUL 19, 1988	6.36
						AUG 18	6.41
						JUL 02, 1989	6.18
	HIGHEST	6.18	JUL 02, 1989				
	LOWEST	6.98	MAY 16, 1988				

---

**Field identifier: FP-56**

Site identifier, 644548147225701. Local number, FD00200205DCDD1 001.

LOCATION.-- Lat 64°45'48", long 147°22'57", Hydrologic Unit 19030004, near Old Richardson Highway and Bradley Sky Ranch airport.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, cased to 18.8 ft, screened from 16.8 to 18.8 ft.

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

DATUM.--Elevation of land surface datum is 484.0 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1986 to July 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 01, 1986	6.28	APR 06, 1987	7.03	JUL 17, 1987	6.70	MAY 16, 1988	7.37
OCT 14	6.30	JUL 07	6.84	APR 02, 1988	7.71	JUL 19	5.72
						AUG 18	5.84
						JUL 02, 1989	5.38
	HIGHEST	5.38	JUL 02, 1989				
	LOWEST	7.71	APR 02, 1988				

---

**Field identifier: P-96**

Site identifier, 644556147253801. Local number, FD00200206CDAB1 001.

LOCATION.-- Lat 64°45'56", long 147°25'38", Hydrologic Unit 19030004, near Tanana River Levee.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 1.5 in, depth 23.1 ft, cased to 23.1 ft, screened from to ft.

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

DATUM.--Elevation of land surface datum is 475.5 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Army Corps of Engineers.

PERIOD OF RECORD.--September 1972 to December 1973, October 1986 to July 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 14, 1986	2.30	JUL 07, 1987	1.77	APR 02, 1988	OBSTR	JUL 13, 1988	1.81
APR 06, 1987	OBSTR	16	1.83	MAY 16	OBSTR		
	HIGHEST	1.77	JUL 07, 1987				
	LOWEST	2.30	OCT 14, 1986	EXTREME FOR PERIOD OF RECORD: 6.13 SEP 11 & OCT 19, 1973			

---

**Field identifier: FP-72**

Site identifier, 644527147242201. Local number, F00200208BCBC1 004.

LOCATION.-- Lat 64°45'27", long 147°24'22", Hydrologic Unit 19030004, near Tanana River Levee.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 18 ft, cased to 18.0 ft, screened from 16 to 18 ft.

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

DATUM.--Elevation of land surface datum is 480.8 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1987 to July 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 09, 1987	6.06	APR 02, 1988	7.47	MAY 16, 1988	6.46	JUL 13, 1988	4.65
						JUL 02, 1989	4.86
HIGHEST	4.65	JUL 13, 1988		LOWEST	7.47	APR 02, 1988	

---

**Field identifier: BR-02**

Site identifier, 644535147205701. Local number, FD00200209ABDD1 004.

LOCATION.-- Lat 64°45'35", long 147°20'57", Hydrologic Unit 19030004, near Badger Road and Richardson Highway.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 1.25 in, depth 19.1 ft, cased to 19.1 ft, screened from 16.1 to 19.1 ft.

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

DATUM.--Elevation of land surface datum is 484.2 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--June 1980 to March 1982, September 1986 to July 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 18, 1986	7.36	JUL 02, 1987	7.50	JUL 17, 1987	7.29	MAY 16, 1988	7.53
OCT 15	7.34	10	7.45	MAR 31, 1988	7.45	JUL 19	6.88
						AUG 18	7.04
						JUL 02, 1989	6.73
HIGHEST	6.73	JUL 02, 1989					
LOWEST	7.53	MAY 16, 1988		EXTREME FOR PERIOD OF RECORD:	9.51	JUN 23, 1980	

---

**Field identifier: FP-57**

Site identifier, 644453147185901. Local number, FD00200210DCDC1 006.

LOCATION.-- Lat 64°44'53", long 147°18'59", Hydrologic Unit 19030004, near Mission Road and New Richardson Highway.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, cased to 21.2 ft, screened from 19.2 to 21.2 ft.

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

DATUM.--Elevation of land surface datum is 489.4 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to July 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 26, 1986	6.45	JUL 10, 1987	6.78	APR 02, 1988	7.33	JUL 19, 1988	6.31
OCT 14	6.68	17	6.59	MAY 17	7.22	AUG 18	6.45
						JUL 02, 1989	6.17
HIGHEST	6.17	JUL 02, 1989					
LOWEST	7.33	APR 02, 1988					

---

**Field identifier: FP-58**

Site identifier, 644452147172001. Local number, FD00200211DCCC1 001.

LOCATION.-- Lat 64°44'52", long 147°17'20", Hydrologic Unit 19030004, near Newby and Conifer Roads.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, cased to 17.0 ft, screened from 15 to 17 ft.

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

DATUM.--Elevation of land surface datum is 492.8 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to July 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 28, 1986	7.34	OCT 14, 1986	7.41	JUL 17, 1987	8.23	MAY 17, 1988	8.82
SEP 12	7.44	JUL 10, 1987	8.35	APR 02, 1988	8.87	JUL 19	OBSTR
						AUG 18	7.63
						JUL 01, 1989	7.11
		HIGHEST	7.11	Jul 01, 1989			
		LOWEST	8.87	APR 02, 1988			

---

**Field identifier: FP-69**

Site identifier, 644453147152301. Local number, FD00200212CDDD1 003.

LOCATION.-- Lat 64°44'53", long 147°15'23", Hydrologic Unit 19030004, near Lyle and Nelson Roads.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 24 ft, cased to 21.5 ft, screened from 19.5 to 21.5 ft.

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

DATUM.--Elevation of land surface datum is 497.2 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1987 to July 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 15, 1987	9.67	APR 02, 1988	10.80	MAY 17, 1988	OBSTR	JUL 19, 1988	9.38
						AUG 18	9.19
						JUL 02, 1989	9.33
		HIGHEST	9.19	AUG 18, 1988			
		LOWEST	10.80	APR 02, 1988			

---

**Field identifier: P-201**

Site identifier, 644419147170501. Local number, FD00200214DBDB1 001.

LOCATION.-- Lat 64°44'19", long 147°17'05", Hydrologic Unit 19030004, near Richardson Highway and Newby Road.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 1.5 in, depth 20 ft, cased to 20 ft.

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

DATUM.--Elevation of land surface datum is 497.4 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Army Corps of Engineers. Well destroyed.

PERIOD OF RECORD.--April 1974 to December 1974, October 1986 to October 1986.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 09, 1986	8.82	OCT 14, 1986	8.62	MAY 01, 1987	WELL DESTROYED
		HIGHEST	8.62	OCT 14, 1986	EXTREMES FOR PERIOD OF RECORD: 8.58
		LOWEST	8.82	OCT 09, 1986	9.29
				SEP 4, 1974	
				SEP 20, 1974	

---

**Field identifier: FP-59**

Site identifier, 644401147193601. Local number, FD00200215CDCD1 001.

LOCATION.-- Lat 64°44'01", long 147°19'36", Hydrologic Unit 19030004, near Old Richardson Highway and Laurence Road.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, cased to 21.9 ft, screened from 19.9 to 21.9 ft.

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

DATUM.--Elevation of land surface datum is 493.6 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to July 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 06, 1986	4.11	JUN 23, 1987	OBSTR	DEC 01, 1987	5.94	JUL 19, 1988	3.60
OCT 14	5.54	JUL 07	4.82	APR 02, 1988	6.36	AUG 10	3.78
APR 07, 1987	5.49	17	4.08	MAY 16	5.73	JUL 02, 1989	3.40
	HIGHEST	3.40	JUL 02, 1989				
	LOWEST	6.36	APR 02, 1988				

---

**Field identifier: FP-70**

Site identifier, 644446147212001. Local number, FD00200216ABBC1 004.

LOCATION.-- Lat 64°44'46", long 147°21'20", Hydrologic Unit 19030004, near North Pole Waste Transport Station.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 18 ft, cased to 18.0 ft, screened from 16 to 18 ft.

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

DATUM.--Elevation of land surface datum is 489.4 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--September 1987 to July 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 15, 1987	5.60	APR 02, 1988	7.04	MAY 16, 1988	6.29	JUL 21, 1988	4.28
						AUG 18	4.64
						JUL 02, 1989	4.25
	HIGHEST	4.25	JUL 02, 1989				
	LOWEST	7.04	APR 02, 1988				

---

**Field identifier: FP-60**

Site identifier, 644438147222001. Local number, FD00200216BBCC1 003.

LOCATION.-- Lat 64°44'38", long 147°22'20", Hydrologic Unit 19030004, near Tanana River Levee and North Pole High School.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, cased to 20.6 ft, screened from 18.6 to 20.6 ft.

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

DATUM.--Elevation of land surface datum is 487.4 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to July 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 06, 1986	2.70	APR 06, 1987	3.72	JUL 16, 1987	1.47	MAY 16, 1988	3.55
14	3.06	JUN 17	OBSTR	DEC 01	4.59	JUL 13	1.87
OCT 14	4.20	JUL 07	2.55	APR 02, 1988	5.18		
	HIGHEST	1.47	JUL 16, 1987				
	LOWEST	5.18	APR 02, 1988				



---

**Field identifier: FP-71**

Site identifier, 644414147213001. Local number, FD00200216CADC1 005.

LOCATION.-- Lat 64°44'14", long 147°21'30", Hydrologic Unit 19030004, near Tanana River Levee.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 23 ft, cased to 23.0 ft, screened from 21 to 23 ft.

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

DATUM.--Elevation of land surface datum is 491.8 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1987 to July 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 20, 1987	6.15	DEC 01, 1987	6.48	MAY 16, 1988	6.00	JUL 02, 1989	3.81
SEP 16	5.76	APR 02, 1988	7.13	JUL 13	3.85		
		HIGHEST	3.81 JUL 02, 1989				
		LOWEST	7.13 APR 02, 1988				

---

**Field identifier: FP-61 (see appendix 2 for daily water levels, 1987-89)**

Site identifier, 644352147205001. Local number, FD00200221ABAD1 001.

LOCATION.-- Lat 64°43'52", long 147°20'50", Hydrologic Unit 19030004, near Tanana River Levee.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, cased to 21.2 ft, screened from 19.2 to 20.2 ft.

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

Digital recorder installed June 1987.

DATUM.--Elevation of land surface datum is 497.5 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to November 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 06, 1986	7.31	JUN 23, 1987	8.48	SEP 17, 1987	8.69	JUL 07, 1988	6.50
14	7.68	JUL 07	7.71	APR 02, 1988	9.94	19	6.03
OCT 14	8.88	16	6.70	MAY 16	8.93	AUG 10	6.35
APR 06, 1987	8.31	AUG 13	7.33	JUN 25	6.61	MAR 07, 1989	7.62
						NOV 24	7.25
		HIGHEST	6.03 JUL 19, 1988	LOWEST	9.94 APR 02, 1988		

---

**Field identifier: FP-62**

Site identifier, 644316147184801. Local number, FD002002222DDBC1 003.

LOCATION.-- Lat 64°43'16", long 147°18'48", Hydrologic Unit 19030004, near Tanana River Levee.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, depth 17 ft, cased to 15.5 ft, screened from 13.5 to 15.5 ft.

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

DATUM.--Elevation of land surface datum is 502.5 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Geological Survey.

PERIOD OF RECORD.--August 1986 to August 1988.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 06, 1986	7.21	JUL 07, 1987	7.18	MAY 16, 1988	OBSTR
OCT 14	9.04	16	5.56	JUL 19	5.12
JUN 23, 1987	8.68	APR 02, 1988	OBSTR	AUG 10	5.92
		HIGHEST	5.12 JUL 19, 1988	LOWEST	9.04 OCT 14, 1986

---

**Field identifier: P-289**

Site identifier, 644322147163501. Local number, FD00200223DDAB1 001.

LOCATION.-- Lat 64°43'22", long 147°16'35", Hydrologic Unit 19030004, near Tanana River Levee.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 2 in, cased to 14.5 ft.

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

DATUM.--Elevation of land surface datum is 508.1 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Army Corps of Engineers.

PERIOD OF RECORD.--August 1972 to December 1974, May 1985 to August 1988.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 14, 1986	10.92	JUL 07, 1987	11.04	JUL 19, 1988	9.59	AUG 18, 1988	9.92
17	11.01	16	10.23				
HIGHEST	9.59	JUL 19, 1988	EXTREME FOR PERIOD OF RECORD: 3.03	AUG 25, 1972 & JUNE 22, 1973			
LOWEST	11.04	JUL 07, 1987					

---

**Field identifier: P-251 (see appendix 2 for daily water levels, 1986-93)**

Site identifier, 644400147151501. Local number, FD00200224ABBB1 001.

LOCATION.-- Lat 64°44'00", long 147°15'15", Hydrologic Unit 19030004, near Laurence and Nelson Roads.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 6 in, depth 40 ft, cased to 40 ft, open end at 40 ft.

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

Strip-chart recorder from June 1976 to May 1980. Digital recorder installed November 1983.

DATUM.--Elevation of land surface datum is 503.4 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Army Corps of Engineers.

PERIOD OF RECORD.--June 1976 to May 1980; November 1983 to September 1988.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
		OCT 01, 1986	11.41	MAR 27, 1987	12.90	DEC 02, 1987	13.58
APR 01	12.93	14	11.57	APR 29	12.88	APR 01, 1988	13.57
28	12.78	NOV 03	11.75	MAY 28	13.17	MAY 16	13.31
JUN 05	12.62	DEC 02	12.00	JUL 01	12.87	JUN 03	13.02
27	12.54	31	12.24	17	12.64	24	12.47
AUG 04	11.60	JAN 30, 1987	12.61	AUG 28	12.16	AUG 03	11.76
SEP 02	11.00	FEB 27	12.81	SEP 30	12.58	SEP 8	11.90
HIGHEST	11.00	FEB 27, 1987	EXTREME FOR PERIOD OF RECORD: 8.05	MAY 31, 1985			
LOWEST	13.58	DEC 02, 1987					

---

**Field identifier: P-351**

Site identifier, 644616147115101. Local number, FD00200305BCAA1 001.

LOCATION.-- Lat 64°46'16", long 147°11'51", Hydrologic Unit 19030004, near Moose Creek Dam.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 1.5 in, depth 21.5 ft, cased to 21 ft, screened from 16 to 21 ft.

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

DATUM.--Elevation of land surface datum is 496.2 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Army Corps of Engineers.

PERIOD OF RECORD.--May 1985 to June 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 29, 1986	11.95	JUL 01, 1987	14.00	APR 01, 1988	OBSTR	AUG 16, 1988	14.07
OCT 14	11.03	17	14.15	MAY 16	13.83	JUN 30, 1988	4.78
JUN 30, 1987	13.95	NOV 09	14.34	JUL 21	13.08		
HIGHEST	4.78	JUN 30, 1989	EXTREME FOR PERIOD OF RECORD: 1.8	MAY 28, 1985			
LOWEST	14.34	NOV 09, 1987					

---

**Field identifier: P-252 (see appendix 2 for daily water levels, 1986-93)**

Site identifier, 644528147131201. Local number, FD00200307ACBD1 001.

LOCATION.-- Lat 64°45'28", long 147°13'12", Hydrologic Unit 19030004, near Moose Creek Dam.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 6 in, depth 40 ft, cased to 40 ft, open end at 40 ft.

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

DATUM.--Elevation of land surface datum is 494.6 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Army Corps of Engineers.

PERIOD OF RECORD.--June 1976 to September 1988.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 27, 1986	9.74	OCT 01, 1986	7.47	APR 29, 1987	10.83	FEB 18, 1988	11.45
APR 01	10.72	NOV 03	7.74	MAY 28	10.85	APR 01	11.62
28	10.96	DEC 02	8.68	JUN 30	10.69	MAY 03	11.57
JUN 05	10.12	31	9.34	JUL 17	10.65	16	11.34
27	9.76	JAN 30, 1987	9.92	AUG 28	10.25	JUN 03	11.03
AUG 04	7.49	FEB 27	10.37	SEP 30	10.28	24	10.57
SEP 02	6.25	MAR 27	10.68	DEC 01	10.99	AUG 03	10.07
						SEP 08	9.84

HIGHEST 6.25 SEP 02, 1986

LOWEST 11.62 APR 01, 1988 EXTREME FOR PERIOD OF RECORD: 13.20 SEP 15, SEP 20, SEP 25, 1976

---

**Field identifier: P-315**

Site identifier, 644423147141801. Local number, FD00200318CBBB1 004.

LOCATION.-- Lat 64°44'23", long 147°144 18, Hydrologic Unit 19030004, near Moose Creek Dam.

AQUIFER.--Chena Alluvium of Quaternary Age.

WELL CHARACTERISTICS.--Diameter 1.5 in, depth 23 ft, cased to 23 ft, screened from 18 to 23 ft.

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

DATUM.--Elevation of land surface datum is 505.6 ft above sea level (determined by level surveys).

REMARKS.--Observation well drilled by the U.S. Army Corps of Engineers.

PERIOD OF RECORD.--May 1985 to June 1989.

---

**WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 14, 1986	14.51	JUL 17, 1987	16.53	MAY 16, 1988	17.29	AUG 19, 1988	15.55
JUL 01, 1987	16.73	APR 01, 1988	17.44	JUL 21	15.89	JUN 30, 1989	14.56

HIGHEST 14.51 OCT 14, 1986

LOWEST 17.44 APR 01, 1988

EXTREME FOR PERIOD OF RECORD: 10.0 MAY 31, 1985

---

---

## **APPENDIX 2**

### **Observed Highest Daily Water Levels in Wells, 1986-93**

[Note: Tables give depth below land surface to water. Therefore, maximum water-level altitude corresponds to minimum value in table. -- indicates no data]

---

---

# Highest Daily Water Level in Well 50006, 1986

STATION NUMBER 644944147402501 FC00100113BCCC1 022

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	13.83	14.33	14.65	15.00	15.21	14.23	13.77	12.74	12.24	13.46	13.36	13.41
2	13.84	14.34	14.65	15.00	15.15	14.25	13.81	12.77	12.29	13.48	13.38	13.44
3	13.85	14.36	14.66	15.02	15.11	14.17	13.87	12.81	12.37	13.51	13.40	13.48
4	13.87	14.38	14.67	15.02	15.04	14.12	13.93	12.85	12.43	13.56	13.40	13.51
5	13.88	14.39	14.69	15.03	14.96	14.10	13.97	12.93	12.50	13.59	13.38	13.54
6	13.91	14.41	14.69	15.07	14.91	14.10	13.99	12.98	12.56	13.62	13.29	13.56
7	13.92	14.42	14.70	15.07	14.84	14.12	14.03	13.03	12.62	13.64	13.20	13.60
8	13.95	14.43	14.71	15.08	14.78	14.14	14.06	13.07	12.66	13.67	13.14	13.60
9	13.95	14.45	14.73	15.10	14.71	14.18	14.10	13.10	12.77	13.72	13.10	13.61
10	13.97	14.46	14.74	15.10	14.64	14.19	14.12	13.16	12.83	13.74	13.09	13.65
11	14.00	14.47	14.75	15.11	14.58	14.20	14.15	13.22	12.88	13.71	13.05	13.66
12	14.01	14.49	14.76	15.12	14.53	14.11	14.16	13.27	12.91	13.40	13.03	13.67
13	14.02	14.50	14.78	15.12	14.48	14.04	14.16	13.32	12.94	13.18	12.98	13.68
14	14.04	14.52	14.80	15.13	14.45	14.01	14.17	13.38	12.98	13.06	12.97	13.68
15	14.05	14.53	14.81	15.15	14.42	14.01	14.18	13.42	13.01	12.96	12.97	13.70
16	14.07	14.53	14.81	15.15	14.41	14.02	14.18	13.45	13.05	12.87	12.97	13.70
17	14.09	14.55	14.83	15.16	14.41	14.06	14.20	13.48	13.09	12.83	12.99	13.72
18	14.10	14.56	14.84	15.19	14.38	14.12	14.22	13.52	13.13	12.82	12.97	13.73
19	14.13	14.57	14.86	15.20	14.36	14.18	14.25	13.56	13.16	12.83	12.97	13.74
20	14.15	14.57	14.87	15.22	14.34	14.22	14.12	13.60	13.17	12.82	12.98	13.75
21	14.16	14.59	14.88	15.25	14.30	14.26	13.86	13.56	13.21	12.82	13.00	13.76
22	14.17	14.59	14.90	15.26	14.26	14.28	13.54	13.26	13.21	12.85	13.04	13.78
23	14.20	14.59	14.91	15.26	14.23	14.29	13.38	13.01	13.24	12.90	13.06	13.80
24	14.23	14.60	14.92	15.28	14.21	14.26	13.23	12.76	13.26	12.95	13.10	13.81
25	14.23	14.60	14.93	15.28	14.20	14.09	13.11	12.55	13.29	12.98	13.14	13.82
26	14.24	14.61	14.93	15.29	14.20	13.90	13.04	12.36	13.31	13.02	13.19	13.84
27	14.27	14.63	14.94	15.29	14.20	13.79	12.99	12.26	13.33	13.08	13.25	13.87
28	14.28	14.63	14.94	15.29	14.19	13.73	12.90	12.22	13.36	13.16	13.25	13.88
29	14.29	---	14.96	15.27	14.19	13.73	12.79	12.20	13.39	13.23	13.29	13.90
30	14.30	---	14.97	15.25	14.19	13.73	12.74	12.20	13.43	13.28	13.37	13.93
31	14.31	---	14.96	---	14.21	---	12.74	12.21	---	13.33	---	13.93
HIGHEST	13.83	14.33	14.65	15.00	14.19	13.73	12.74	12.20	12.24	12.82	12.97	13.41
CAL YR 1986	HIGH 12.20											

## Highest Daily Water Level in Well 50006, 1987

STATION NUMBER 644944147402501 FC00100113BCCC1 022

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	13.96	14.32	14.61	14.82	14.83	14.63	14.56	14.48	14.06	14.23	14.78	14.95
2	13.98	14.34	14.61	14.83	14.78	14.61	14.58	14.44	14.07	14.25	14.83	14.96
3	14.01	14.35	14.62	14.83	14.73	14.51	14.62	14.40	14.09	14.27	14.87	14.97
4	14.01	14.36	14.63	14.86	14.67	14.43	14.64	14.39	14.09	14.29	14.90	14.98
5	14.03	14.37	14.64	14.88	14.61	14.41	14.66	14.39	14.13	14.30	14.92	14.97
6	14.03	14.38	14.65	14.91	14.59	14.38	14.68	14.41	14.12	14.31	14.94	14.95
7	14.04	14.40	14.66	14.92	14.56	14.37	14.70	14.44	14.09	14.32	14.96	14.97
8	14.03	14.41	14.67	14.94	14.54	14.39	14.71	14.48	14.12	14.33	14.97	14.97
9	14.06	14.42	14.67	14.95	14.51	14.43	14.72	14.51	14.10	14.34	14.97	14.98
10	14.08	14.43	14.68	14.96	14.48	14.44	14.75	14.54	14.07	14.35	14.97	14.99
11	14.11	14.44	14.68	14.98	14.46	14.37	14.76	14.54	14.03	14.37	14.97	15.00
12	14.12	14.45	14.68	14.99	14.42	14.36	14.77	14.55	14.02	14.39	14.96	15.00
13	14.13	14.45	14.69	14.99	14.41	14.37	14.79	14.57	14.02	14.40	14.95	14.99
14	14.13	14.47	14.70	14.99	14.41	14.36	14.86	14.59	14.00	14.41	14.93	15.00
15	14.14	14.47	14.69	15.00	14.42	14.31	14.86	14.61	14.00	14.44	14.91	14.99
16	14.15	14.48	14.70	15.02	14.44	14.30	14.85	14.45	14.01	14.46	14.90	14.99
17	14.17	14.49	14.71	15.03	14.46	14.27	14.80	14.36	14.03	14.47	14.89	15.00
18	14.18	14.50	14.72	15.02	14.48	14.28	14.79	14.30	14.05	14.49	14.90	15.00
19	14.16	14.51	14.72	15.02	14.53	14.30	14.79	14.26	14.09	14.50	14.88	14.99
20	14.20	14.53	14.73	15.02	14.57	14.40	14.80	14.21	14.11	14.52	14.87	15.00
21	14.20	14.53	14.73	15.03	14.59	14.42	14.84	14.13	14.15	14.52	14.87	15.02
22	14.21	14.54	14.74	15.03	14.62	14.47	14.86	14.05	14.17	14.55	14.87	15.02
23	14.22	14.54	14.75	15.01	14.62	14.49	14.89	14.00	14.19	14.56	14.88	15.00
24	14.23	14.56	14.76	15.00	14.62	14.51	14.90	13.96	14.21	14.58	14.90	15.00
25	14.25	14.57	14.76	14.98	14.62	14.46	14.85	13.95	14.23	14.61	14.91	15.02
26	14.27	14.59	14.78	14.96	14.60	14.43	14.65	13.95	14.25	14.63	14.92	15.03
27	14.28	14.59	14.78	14.97	14.61	14.43	14.55	13.96	14.28	14.65	14.93	15.03
28	14.28	14.60	14.76	14.93	14.64	14.45	14.51	13.98	14.31	14.67	14.93	15.02
29	14.28	---	14.77	14.91	14.65	14.47	14.49	14.00	14.34	14.70	14.94	15.02
30	14.30	---	14.78	14.87	14.67	14.52	14.49	14.04	14.35	14.73	14.94	15.02
31	14.31	---	14.81	---	14.69	---	14.50	14.06	---	14.75	---	15.02
HIGHEST	13.96	14.32	14.61	14.82	14.41	14.27	14.49	13.95	14.00	14.23	14.78	14.95

CAL YR 1987    HIGH 13.95

## Highest Daily Water Level in Well 50006, 1988

STATION NUMBER 644944147402501 FC00100113BCCC1 022

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	15.01	15.08	15.23	15.44	15.04	14.09	13.24	13.81	13.58	13.98	14.53	14.67
2	15.01	15.08	15.24	15.45	15.05	14.05	13.27	13.80	13.61	13.99	14.52	14.65
3	15.01	15.08	15.25	15.45	15.06	14.00	13.32	13.77	13.61	14.00	14.52	14.64
4	15.01	15.08	15.25	15.46	15.06	13.97	13.37	13.76	13.60	14.02	14.53	14.64
5	15.02	15.08	15.27	15.47	15.07	13.96	13.43	13.73	13.63	14.05	14.52	14.70
6	15.02	15.09	15.28	15.48	15.07	13.97	13.49	13.70	13.64	14.06	14.52	14.70
7	15.02	15.10	15.28	15.48	15.08	14.01	13.55	13.67	13.64	14.08	14.53	14.66
8	15.02	15.11	15.30	15.49	15.09	14.05	13.59	13.65	13.64	14.08	14.53	14.64
9	15.02	15.11	15.30	15.48	15.10	14.09	13.63	13.64	13.60	14.11	14.53	14.68
10	15.03	15.12	15.31	15.49	15.09	14.12	13.65	13.59	13.57	14.12	14.52	14.68
11	15.03	15.13	15.33	15.50	15.08	14.16	13.64	13.53	13.59	14.12	14.53	14.68
12	15.03	15.12	15.33	15.51	15.06	14.18	13.64	13.51	13.64	14.12	14.54	14.70
13	15.02	15.12	15.36	15.51	15.05	14.20	13.66	13.48	13.66	14.15	14.56	14.71
14	15.03	15.13	15.36	15.53	15.04	14.19	13.67	13.43	13.69	14.17	14.57	14.71
15	15.03	15.15	15.37	15.52	14.98	14.13	13.69	13.38	13.70	14.21	14.58	14.70
16	15.03	15.15	15.37	15.53	14.89	14.09	13.68	13.33	13.72	14.24	14.60	14.68
17	15.04	15.15	15.38	15.53	14.76	13.98	13.63	13.30	13.74	14.28	14.60	14.70
18	15.04	15.15	15.38	15.53	14.64	13.75	13.62	13.28	13.76	14.31	14.61	14.69
19	15.04	15.17	15.39	15.52	14.56	13.57	13.64	13.29	13.76	14.34	14.62	14.68
20	15.04	15.18	15.39	15.49	14.52	13.48	13.67	13.31	13.79	14.37	14.62	14.69
21	15.02	15.19	15.40	15.46	14.50	13.40	13.71	13.33	13.83	14.40	14.62	14.70
22	15.04	15.18	15.40	15.41	14.48	13.28	13.75	13.36	13.85	14.42	14.64	14.70
23	15.05	15.18	15.41	15.35	14.42	13.16	13.75	13.42	13.86	14.44	14.65	14.71
24	15.04	15.19	15.41	15.29	14.34	13.12	13.75	13.44	13.87	14.47	14.66	14.68
25	15.05	15.19	15.42	15.24	14.28	13.12	13.73	13.43	13.89	14.49	14.67	14.69
26	15.05	15.20	15.43	15.18	14.19	13.16	13.72	13.45	13.90	14.50	14.67	14.67
27	15.05	15.20	15.43	15.11	14.12	13.22	13.73	13.46	13.91	14.54	14.66	14.65
28	15.05	15.22	15.43	15.06	14.09	13.25	13.76	13.48	13.92	14.53	14.67	14.67
29	15.06	15.22	15.43	15.05	14.08	13.26	13.79	13.49	13.94	14.52	14.65	14.69
30	15.07	---	15.43	15.03	14.07	13.23	13.82	13.53	13.97	14.53	14.65	14.67
31	15.07	---	15.44	---	14.09	---	13.82	13.56	---	14.54	---	14.65
HIGHEST	15.01	15.08	15.23	15.03	14.07	13.12	13.24	13.28	13.57	13.98	14.52	14.64

CAL YR 1988 HIGH 13.12



## Highest Daily Water Level in Well 50006, 1989

STATION NUMBER 644944147402501 FC00100113BCCC1 022

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	14.66	14.78	14.96	15.08	13.84	13.00	12.38	13.33	13.83	14.22	14.73	14.63
2	14.68	14.79	14.96	15.09	13.68	13.03	12.33	13.35	13.84	14.23	14.74	14.63
3	14.68	14.78	14.98	15.09	13.51	13.07	12.32	13.37	13.86	14.25	14.76	14.64
4	14.70	14.79	14.99	15.10	13.37	13.12	12.32	13.39	13.89	14.26	14.72	14.65
5	14.70	14.80	14.99	15.10	13.24	13.18	12.35	13.41	13.92	14.28	14.70	14.67
6	14.70	14.80	14.99	15.10	13.14	13.24	12.39	13.40	13.95	14.29	14.68	14.69
7	14.70	14.81	14.99	15.10	13.08	13.29	12.46	13.41	13.97	14.29	14.65	14.69
8	14.68	14.81	15.00	15.11	13.04	13.28	12.53	13.41	13.98	14.32	14.63	14.70
9	14.68	14.83	15.01	15.10	12.99	13.26	12.62	13.41	13.99	14.33	14.62	14.70
10	14.67	14.82	15.01	15.11	12.90	13.27	12.71	13.42	14.00	14.34	14.61	14.69
11	14.66	14.83	15.01	15.12	12.89	13.30	12.77	13.44	14.03	14.36	14.59	14.71
12	14.67	14.85	15.01	15.13	12.89	13.35	12.83	13.45	14.05	14.38	14.59	14.71
13	14.70	14.85	15.01	15.13	12.90	13.38	12.87	13.47	14.06	14.40	14.59	14.72
14	14.69	14.86	15.02	15.13	12.95	13.42	12.91	13.49	14.08	14.41	14.61	14.73
15	14.71	14.87	15.02	15.13	12.99	13.45	12.96	13.51	14.10	14.43	14.60	14.73
16	14.72	14.88	15.03	15.12	13.09	13.52	13.01	13.53	14.09	14.45	14.60	14.74
17	14.72	14.89	15.03	15.11	13.08	13.57	13.07	13.55	14.05	14.47	14.60	14.73
18	14.73	14.90	15.03	15.09	13.06	13.60	13.12	13.56	14.04	14.49	14.61	14.73
19	14.72	14.90	15.04	15.07	13.06	13.63	13.15	13.58	14.02	14.50	14.62	14.75
20	14.72	14.91	15.04	15.03	13.09	13.67	13.18	13.61	14.02	14.51	14.63	14.76
21	14.72	14.92	15.05	14.98	13.09	13.71	13.21	13.63	14.04	14.53	14.63	14.76
22	14.73	14.93	15.06	14.93	13.08	13.74	13.24	13.65	14.05	14.55	14.63	14.76
23	14.72	14.95	15.06	14.88	13.07	13.77	13.27	13.66	14.07	14.56	14.63	14.76
24	14.72	14.96	15.06	14.81	13.08	13.80	13.28	13.68	14.08	14.59	14.63	14.75
25	14.72	14.95	15.06	14.76	13.11	13.73	13.28	13.70	14.10	14.62	14.62	14.75
26	14.73	14.97	15.06	14.68	13.00	13.35	13.29	13.71	14.13	14.65	14.62	14.76
27	14.74	14.98	15.06	14.56	12.94	13.03	13.30	13.74	14.06	14.67	14.62	14.74
28	14.74	14.96	15.07	14.41	12.94	12.75	13.30	13.76	14.18	14.69	14.62	14.74
29	14.76	---	15.08	14.23	12.94	12.53	13.30	13.77	14.20	14.71	14.63	14.75
30	14.77	---	15.08	14.02	12.96	12.41	13.30	13.79	14.21	14.73	14.64	14.78
31	14.78	---	15.08	---	12.99	---	13.30	13.81	---	14.74	---	14.78
HIGHEST	14.66	14.78	14.96	14.02	12.89	12.41	12.32	13.33	13.83	14.22	14.59	14.63
CAL YR 1989 HIGH 12.32												

## Highest Daily Water Level in Well 50006, 1990

STATION NUMBER 644944147402501 FC00100113BCCC1 022  
WATER LEVEL, IN FEET BELOW LAND SURFACE  
HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	14.79	14.99	15.16	15.37	14.32	13.71	14.03	13.91	12.99	12.27	13.68	13.92
2	14.79	14.99	15.17	15.37	14.27	13.74	14.08	13.83	12.80	12.31	13.71	13.92
3	14.79	15.01	15.18	15.39	14.22	13.77	14.10	13.78	12.60	12.34	13.75	13.92
4	14.80	15.01	15.18	15.38	14.15	13.79	14.12	13.76	12.49	12.39	13.78	13.94
5	14.80	15.02	15.20	15.40	14.07	13.80	14.15	13.75	12.39	12.43	13.80	13.94
6	14.81	15.02	15.21	15.40	13.98	13.79	14.18	13.75	12.29	12.48	13.82	13.94
7	14.81	15.03	15.22	15.39	13.92	13.73	14.20	13.77	12.14	12.54	13.84	13.96
8	14.83	15.03	15.22	15.37	13.85	13.67	14.23	13.80	11.94	12.58	13.85	13.97
9	14.83	15.03	15.23	15.36	13.79	13.64	14.24	13.81	11.79	12.67	13.87	13.99
10	14.83	15.04	15.24	15.34	13.73	13.64	14.20	13.82	11.70	12.71	13.88	14.00
11	14.83	15.05	15.25	15.33	13.64	13.65	14.07	13.85	11.62	12.74	13.89	14.01
12	14.84	15.06	15.25	15.31	13.56	13.67	13.95	13.87	11.59	12.79	13.88	13.99
13	14.84	15.05	15.26	15.30	13.47	13.68	13.84	13.90	11.57	12.84	13.88	14.00
14	14.85	15.07	15.27	15.29	13.41	13.69	13.74	13.92	11.56	12.90	13.89	14.03
15	14.86	15.06	15.29	15.26	13.34	13.72	13.68	13.95	11.60	12.94	13.89	14.04
16	14.87	15.06	15.29	15.25	13.29	13.74	13.65	13.96	11.63	12.97	13.89	14.05
17	14.87	15.06	15.29	15.24	13.26	13.72	13.64	13.98	11.64	13.00	13.87	14.07
18	14.89	15.07	15.30	15.21	13.24	13.72	13.64	14.00	11.67	13.03	13.86	14.07
19	14.88	15.07	15.32	15.18	13.24	13.72	13.65	14.02	11.72	13.06	13.83	14.06
20	14.89	15.08	15.33	15.14	13.23	13.69	13.66	14.03	11.75	13.12	13.83	14.06
21	14.90	15.10	15.33	15.08	13.24	13.70	13.70	14.04	11.80	13.16	13.83	14.07
22	14.91	15.11	15.34	15.01	13.26	13.74	13.73	14.05	11.87	13.22	13.85	14.04
23	14.92	15.13	15.34	14.93	13.27	13.76	13.76	14.04	11.89	13.26	13.83	14.05
24	14.94	15.13	15.34	14.83	13.29	13.80	13.79	14.03	11.97	13.29	13.84	14.04
25	14.95	15.15	15.34	14.72	13.34	13.83	13.83	13.98	12.04	13.35	13.80	14.01
26	14.96	15.16	15.35	14.62	13.41	13.87	13.86	13.92	12.07	13.40	13.81	14.01
27	14.97	15.16	15.33	14.54	13.46	13.90	13.89	13.81	12.09	13.45	13.84	14.03
28	14.97	15.17	15.34	14.47	13.51	13.94	13.90	13.61	12.10	13.49	13.86	13.99
29	14.98	---	15.34	14.40	13.57	13.98	13.91	13.46	12.14	13.57	13.88	14.00
30	14.98	---	15.35	14.35	13.63	14.01	13.93	13.32	12.19	13.61	13.90	14.01
31	14.98	---	15.36	---	13.68	---	13.93	13.15	---	13.65	---	14.02
HIGHEST	14.79	14.99	15.16	14.35	13.23	13.64	13.64	13.15	11.56	12.27	13.68	13.92
CAL YR 1990	HIGH 11.56											

# Highest Daily Water Level in Well 50006, 1991

STATION NUMBER 644944147402501 FC00100113BCCC1 022

WATER LEVEL, IN FEET BELOW LAND SURFACE

DAILY MINIMUM VALUE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	14.02	14.21	14.47	14.56	12.95	11.00	12.84	13.18	12.39	13.32	14.20	14.25
2	14.03	14.22	14.47	14.56	12.69	11.09	12.89	13.19	12.46	13.35	14.22	14.27
3	14.04	14.23	14.48	14.57	12.46	11.07	12.94	13.21	12.52	13.38	14.24	14.25
4	14.05	14.25	14.48	14.57	12.25	11.05	12.98	13.23	12.58	13.41	14.25	14.24
5	14.06	14.25	14.49	14.59	11.99	11.06	13.01	13.28	12.63	13.44	14.26	14.25
6	14.07	14.27	14.49	14.60	11.76	11.14	12.99	13.31	12.69	13.46	14.28	14.25
7	14.08	14.30	14.51	14.60	11.51	11.21	12.99	13.34	12.77	13.49	14.30	14.26
8	14.09	14.30	14.51	14.61	11.25	11.27	13.00	13.30	12.83	13.53	14.27	14.25
9	14.08	14.29	14.52	14.61	11.06	11.30	13.03	13.23	12.86	13.55	14.25	14.25
10	14.09	14.31	14.52	14.61	10.89	11.34	13.07	13.18	12.91	13.59	14.24	14.25
11	14.09	14.32	14.52	14.59	10.76	11.41	13.09	13.17	12.95	13.62	14.23	14.25
12	14.09	14.33	14.53	14.59	10.63	11.52	13.12	13.18	13.00	13.65	14.22	14.25
13	14.09	14.34	14.54	14.59	10.52	11.60	13.15	13.19	13.02	13.67	14.19	14.22
14	14.11	14.34	14.53	14.56	10.42	11.67	13.20	13.21	12.98	13.69	14.16	14.21
15	14.11	14.35	14.54	14.56	10.38	11.74	13.23	13.24	12.97	13.73	14.15	14.22
16	14.08	14.37	14.53	14.55	10.36	11.81	13.26	13.28	12.95	13.77	14.16	14.22
17	14.08	14.38	14.54	14.54	10.37	11.89	13.29	13.31	12.97	13.79	14.16	14.23
18	14.13	14.38	14.55	14.50	10.36	11.98	13.32	13.34	12.99	13.81	14.17	14.24
19	14.13	14.38	14.57	14.44	10.40	12.05	13.36	13.20	13.02	13.84	14.18	14.24
20	14.12	14.40	14.58	14.43	10.44	12.13	13.40	12.93	13.06	13.89	14.19	14.22
21	14.14	14.41	14.58	14.37	10.47	12.21	13.43	12.73	13.10	13.93	14.21	14.22
22	14.16	14.41	14.59	14.35	10.47	12.28	13.46	12.60	13.13	13.96	14.23	14.20
23	14.17	14.41	14.60	14.29	10.46	12.36	13.49	12.53	13.14	13.98	14.24	14.22
24	14.18	14.43	14.59	14.21	10.47	12.43	13.52	12.48	13.18	14.00	14.24	14.22
25	14.18	14.44	14.56	14.12	10.48	12.49	13.54	12.40	13.21	14.02	14.25	14.23
26	14.20	14.44	14.54	14.03	10.55	12.56	13.44	12.33	13.23	14.04	14.26	14.24
27	14.18	14.45	14.53	13.90	10.59	12.63	13.29	12.31	13.25	14.05	14.26	14.24
28	14.18	14.46	14.52	13.72	10.65	12.68	13.23	12.30	13.29	14.07	14.26	14.25
29	14.20	---	14.52	13.46	10.70	12.73	13.20	12.30	13.31	14.09	14.26	14.27
30	14.22	---	14.55	13.24	10.81	12.78	13.18	12.31	13.33	14.12	14.24	14.25
31	14.21	---	14.56	---	10.90	---	13.18	12.34	---	14.17	---	14.25
HIGHEST	14.02	14.21	14.47	13.24	10.36	11.00	12.84	12.30	12.39	13.32	14.15	14.20
CAL YR 1991 HIGH 10.36												

## Highest Daily Water Level in Well 50006, 1992

STATION NUMBER 644944147402501 FC00100113BCCC1 022

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	14.25	14.38	14.54	14.67	14.43	11.90	11.79	13.03	13.49	14.05	14.60	14.72
2	14.25	14.39	14.54	14.68	14.41	11.77	11.85	13.03	13.50	14.08	14.62	14.72
3	14.27	14.40	14.55	14.69	14.39	11.61	11.92	13.03	13.53	14.10	14.63	14.74
4	14.28	14.41	14.56	14.70	14.39	11.49	11.99	13.04	13.54	14.12	14.64	14.74
5	14.29	14.42	14.56	14.71	14.39	11.34	12.06	13.05	13.55	14.15	14.66	14.72
6	14.29	14.42	14.57	14.71	14.40	11.25	12.14	13.07	13.56	14.15	14.66	14.72
7	14.29	14.43	14.57	14.72	14.41	11.13	12.22	13.10	13.57	14.16	14.66	14.72
8	14.29	14.43	14.55	14.72	14.42	11.04	12.29	13.12	13.59	14.18	14.65	14.73
9	14.29	14.44	14.56	14.71	14.42	10.96	12.35	13.15	13.61	14.19	14.64	14.74
10	14.30	14.44	14.57	14.70	14.42	10.88	12.42	13.17	13.63	14.21	14.64	14.75
11	14.32	14.44	14.58	14.70	14.39	10.81	12.47	13.19	13.65	14.23	14.66	14.74
12	14.33	14.44	14.59	14.71	14.36	10.80	12.52	13.21	13.67	14.25	14.67	14.71
13	14.32	14.45	14.59	14.72	14.32	10.86	12.57	13.23	13.69	14.27	14.66	14.70
14	14.32	14.46	14.60	14.73	14.22	11.05	12.61	13.25	13.71	14.29	14.64	14.71
15	14.33	14.46	14.60	14.73	14.14	11.19	12.67	13.27	13.72	14.31	14.65	14.74
16	14.32	14.47	14.60	14.73	14.08	11.32	12.71	13.29	13.74	14.33	14.67	14.75
17	14.31	14.49	14.61	14.74	14.04	11.42	12.75	13.31	13.75	14.35	14.67	14.75
18	14.32	14.50	14.61	14.73	14.01	11.49	12.77	13.34	13.76	14.38	14.67	14.76
19	14.33	14.50	14.61	14.70	14.00	11.52	12.80	13.37	13.78	14.41	14.69	14.76
20	14.34	14.50	14.61	14.70	13.98	11.52	12.82	13.37	13.80	14.45	14.69	14.77
21	14.35	14.50	14.62	14.72	13.92	11.53	12.85	13.33	13.82	14.49	14.68	14.78
22	14.35	14.50	14.63	14.69	13.82	11.60	12.87	13.32	13.84	14.53	14.67	14.79
23	14.36	14.50	14.63	14.65	13.66	11.61	12.89	13.32	13.86	14.57	14.67	14.80
24	14.36	14.50	14.62	14.59	13.45	11.53	12.91	13.32	13.88	14.59	14.68	14.79
25	14.37	14.51	14.63	14.55	13.23	11.51	12.94	13.33	13.91	14.59	14.69	14.79
26	14.37	14.51	14.64	14.53	13.02	11.52	12.97	13.36	13.94	14.59	14.71	14.79
27	14.37	14.50	14.64	14.52	12.80	11.56	12.99	13.40	13.97	14.59	14.70	14.77
28	14.38	14.50	14.65	14.49	12.60	11.58	13.02	13.42	13.98	14.59	14.69	14.75
29	14.37	14.53	14.65	14.47	12.40	11.61	13.04	13.44	14.01	14.60	14.69	14.75
30	14.36	---	14.65	14.45	12.21	11.69	13.05	13.46	14.03	14.59	14.71	14.74
31	14.37	---	14.66	---	12.04	---	13.06	13.47	---	14.60	---	14.74
HIGHEST	14.25	14.38	14.54	14.45	12.04	10.80	11.79	13.03	13.49	14.05	14.60	14.70
CAL YR 1992 HIGH 10.80												

## Highest Daily Water Level in Well 50006, 1993

STATION NUMBER 644944147402501 FC00100113BCCC1 022  
WATER LEVEL, IN FEET BELOW LAND SURFACE  
HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	14.72	14.55	14.63	14.70	13.06	12.36	13.19	13.87	13.46	12.47	13.20	13.53
2	14.72	14.57	14.65	14.70	12.95	12.41	13.22	13.88	13.37	12.56	13.20	13.53
3	14.71	14.58	14.66	14.71	12.84	12.48	13.24	13.90	13.28	12.59	13.23	13.54
4	14.69	14.56	14.66	14.72	12.74	12.54	13.27	13.91	13.20	12.59	13.26	13.55
5	14.67	14.54	14.66	14.73	12.66	12.59	13.30	13.92	13.13	12.59	13.27	13.51
6	14.66	14.55	14.67	14.73	12.59	12.63	13.32	13.93	13.11	12.62	13.31	13.50
7	14.64	14.58	14.67	14.73	12.52	12.69	13.36	13.90	13.10	12.64	13.33	13.53
8	14.63	14.60	14.67	14.74	12.46	12.76	13.38	13.78	13.08	12.70	13.36	13.57
9	14.62	14.60	14.68	14.74	12.36	12.81	13.40	13.67	13.07	12.75	13.38	13.60
10	14.60	14.61	14.69	14.73	12.26	12.86	13.42	13.60	13.07	12.79	13.39	13.61
11	14.61	14.62	14.70	14.69	12.21	12.91	13.44	13.56	13.10	12.84	13.43	13.63
12	14.59	14.62	14.69	14.65	12.17	12.96	13.46	13.54	13.10	12.83	13.44	13.66
13	14.56	14.63	14.68	14.64	12.13	12.99	13.48	13.52	13.13	12.83	13.46	13.68
14	14.56	14.63	14.68	14.60	12.10	13.01	13.51	13.50	13.12	12.83	13.46	13.70
15	14.54	14.64	14.68	14.55	12.02	13.03	13.54	13.51	13.09	12.83	13.49	13.72
16	14.52	14.64	14.68	14.50	11.93	13.06	13.56	13.53	13.07	12.82	13.51	13.73
17	14.50	14.65	14.69	14.44	11.86	13.09	13.59	13.56	13.05	12.81	13.53	13.73
18	14.50	14.65	14.68	14.38	11.76	13.12	13.61	13.59	12.99	12.83	13.54	13.74
19	14.52	14.65	14.68	14.30	11.68	13.14	13.64	13.57	12.91	12.84	13.55	13.76
20	14.52	14.65	14.66	14.20	11.66	13.16	13.66	13.65	12.82	12.83	13.61	13.79
21	14.52	14.65	14.65	14.07	11.67	13.05	13.68	13.68	12.72	12.87	13.65	13.79
22	14.53	14.65	14.66	13.97	11.69	12.97	13.70	13.70	12.59	12.90	13.68	13.79
23	14.53	14.64	14.66	13.85	11.77	12.95	13.72	13.66	12.49	12.97	13.72	13.79
24	14.53	14.64	14.68	13.73	11.83	12.95	13.74	13.56	12.42	13.02	13.75	13.82
25	14.53	14.62	14.69	13.62	11.94	12.95	13.76	13.52	12.37	13.07	13.74	13.84
26	14.53	14.62	14.70	13.52	12.01	12.98	13.78	13.49	12.37	13.09	13.69	13.85
27	14.53	14.62	14.70	13.43	12.10	13.01	13.79	13.48	12.40	13.15	13.64	13.85
28	14.51	14.63	14.70	13.36	12.17	13.07	13.81	13.47	12.37	13.11	13.60	13.85
29	14.52	---	14.71	13.28	12.21	13.12	13.82	13.47	12.44	13.11	13.57	13.86
30	14.53	---	14.72	13.17	12.26	13.16	13.83	13.48	12.46	13.18	13.54	13.87
31	14.54	---	14.70	---	12.31	---	13.85	13.49	---	13.20	---	13.87
HIGHEST	14.50	14.54	14.63	13.17	11.66	12.36	13.19	13.47	12.37	12.47	13.20	13.50
CAL YR 1993 HIGH 11.66												

## Highest Daily Water Level in Well LF-11, 1987

STATION NUMBER 644752147415801 FC00100126BAAA2 016

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	---	---	---	8.94	9.16	9.41	9.41	9.67	9.46
2	---	---	---	---	---	---	8.93	9.20	9.37	9.42	9.71	9.46
3	---	---	---	---	---	---	8.92	9.22	9.32	9.45	9.76	9.46
4	---	---	---	---	---	---	8.92	9.23	9.32	9.45	9.78	9.47
5	---	---	---	---	---	---	8.91	9.24	9.32	9.45	9.79	9.47
6	---	---	---	---	---	---	8.90	9.35	9.26	9.44	9.79	9.47
7	---	---	---	---	---	---	8.89	9.42	9.21	9.47	9.77	9.47
8	---	---	---	---	---	---	8.89	9.48	9.21	9.47	9.75	9.47
9	---	---	---	---	---	---	8.88	9.52	9.14	9.47	9.73	9.49
10	---	---	---	---	---	---	8.87	9.57	9.12	9.46	9.67	9.49
11	---	---	---	---	---	---	8.87	9.64	9.11	9.46	9.65	9.50
12	---	---	---	---	---	---	8.88	9.68	9.10	9.47	9.62	9.50
13	---	---	---	---	---	---	8.87	9.73	9.11	9.47	9.61	9.51
14	---	---	---	---	---	---	8.86	9.80	9.11	9.47	9.59	9.51
15	---	---	---	---	---	---	8.82	9.91	9.12	9.47	9.55	9.52
16	---	---	---	---	---	---	8.70	9.90	9.13	9.51	9.52	9.52
17	---	---	---	---	---	9.09	8.67	9.90	9.13	9.51	9.49	9.53
18	---	---	---	---	---	9.06	8.68	9.89	9.14	9.51	9.49	9.53
19	---	---	---	---	---	9.00	8.70	9.88	9.15	9.55	9.48	9.53
20	---	---	---	---	---	8.98	8.71	9.86	9.16	9.55	9.47	9.53
21	---	---	---	---	---	8.96	8.73	9.84	9.18	9.57	9.47	9.55
22	---	---	---	---	---	8.94	8.74	9.76	9.18	9.57	9.46	9.55
23	---	---	---	---	---	8.95	8.75	9.72	9.20	9.57	9.45	9.55
24	---	---	---	---	---	8.92	8.75	9.68	9.23	9.58	9.45	9.55
25	---	---	---	---	---	8.90	8.75	9.63	9.24	9.60	9.45	9.56
26	---	---	---	---	---	8.90	8.79	9.57	9.26	9.62	9.46	9.57
27	---	---	---	---	---	8.90	8.81	9.55	9.28	9.62	9.46	9.58
28	---	---	---	---	---	8.91	8.88	9.53	9.30	9.62	9.45	9.58
29	---	---	---	---	---	8.93	8.99	9.50	9.32	9.65	9.45	9.59
30	---	---	---	---	---	8.94	9.08	9.48	9.32	9.65	9.46	9.59
31	---	---	---	---	---	---	9.13	9.43	---	9.66	---	9.59

## Highest Daily Water Level in Well LF-11, 1988

STATION NUMBER 644752147415801 FC00100126BAAA2 016

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9.60	9.97	10.15	10.24	9.94	9.37	7.70	7.31	7.60	8.52	8.81	8.99
2	9.60	9.97	10.14	10.23	9.94	9.30	7.70	7.31	7.60	8.53	8.82	8.99
3	9.61	9.97	10.15	10.23	9.95	9.23	7.69	7.31	7.62	8.54	8.82	8.99
4	9.61	9.97	10.15	10.23	9.95	9.19	7.68	7.30	7.62	8.55	8.85	9.00
5	9.61	9.98	10.16	10.23	9.94	9.15	7.67	7.30	7.63	8.57	8.87	9.01
6	9.61	9.98	10.16	10.22	9.94	9.13	7.66	7.29	7.64	8.57	8.87	9.01
7	9.63	9.98	10.16	10.22	9.94	9.11	7.63	7.29	7.65	8.70	8.87	9.00
8	9.64	9.99	10.17	10.22	9.94	9.08	7.61	7.29	7.70	8.72	8.87	8.99
9	9.64	10.00	10.17	10.22	9.94	9.05	7.57	7.29	7.74	8.75	8.89	8.99
10	9.64	10.01	10.17	10.22	9.93	9.02	7.53	7.28	7.76	8.75	8.89	8.99
11	9.65	10.03	10.17	10.21	9.93	9.00	7.49	7.28	7.79	8.76	8.90	8.99
12	9.66	10.03	10.18	10.21	9.93	8.96	7.49	7.29	7.83	8.76	8.92	8.99
13	9.66	10.05	10.18	10.21	9.93	8.91	7.48	7.30	7.88	8.78	8.93	8.99
14	9.67	10.05	10.18	10.21	9.92	8.85	7.48	7.31	7.92	8.78	8.93	8.98
15	9.69	10.05	10.19	10.21	9.88	8.78	7.48	7.32	7.95	8.90	8.93	8.96
16	9.72	10.07	10.19	10.19	9.82	8.58	7.40	7.33	8.01	8.92	8.95	8.95
17	9.75	10.08	10.19	10.18	---	8.45	7.30	7.34	8.12	8.90	8.96	8.95
18	9.76	10.08	10.19	10.18	---	8.33	7.26	7.34	8.14	8.86	8.96	8.95
19	9.78	10.08	10.20	10.17	---	8.27	7.26	7.35	8.16	8.84	8.96	8.94
20	9.80	10.08	10.20	10.16	---	8.17	7.26	7.36	8.17	8.82	8.96	8.94
21	9.81	10.10	10.20	10.13	9.74	7.97	7.26	7.38	8.19	8.81	8.96	8.94
22	9.81	10.11	10.21	10.11	9.73	7.86	7.25	7.39	8.21	8.81	8.96	8.94
23	9.83	10.11	10.21	10.11	9.72	7.84	7.25	7.42	8.23	8.81	8.97	8.94
24	9.89	10.12	10.21	10.10	9.70	7.83	7.25	7.42	8.26	8.80	8.97	8.94
25	9.89	10.12	10.21	9.98	9.68	7.82	7.25	7.45	8.28	8.80	8.97	8.94
26	9.89	10.14	10.22	9.95	9.65	7.82	7.25	7.45	8.36	8.80	8.97	8.95
27	9.90	10.14	10.22	9.95	9.63	7.80	7.25	7.57	8.39	8.80	8.97	8.95
28	9.92	10.14	10.22	9.95	9.59	7.73	7.26	7.59	8.44	8.80	8.97	8.95
29	9.92	10.14	10.23	9.95	9.57	7.71	7.30	7.59	8.46	8.80	8.97	8.95
30	9.93	---	10.23	9.94	9.50	7.70	7.31	7.59	8.51	8.80	8.97	8.95
31	9.94	---	10.24	---	9.45	---	7.31	7.60	---	8.81	---	8.95

## Highest Daily Water Level in Well LF-11, 1989

STATION NUMBER 644752147415801 FC00100126BAAA2 016

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8.95	9.03	9.50	---	---	---	---	---	---	---	---	---
2	8.96	9.03	9.50	---	---	---	---	---	---	---	---	---
3	8.96	9.04	9.50	---	---	---	---	---	---	---	---	---
4	8.96	9.04	9.50	---	---	---	---	---	---	---	---	---
5	8.96	9.04	9.50	---	---	---	---	---	---	---	---	---
6	8.97	9.05	---	---	---	---	---	---	---	---	---	---
7	8.97	9.05	---	---	---	---	---	---	---	---	---	---
8	8.97	9.06	---	---	---	---	---	---	---	---	---	---
9	8.97	9.06	---	---	---	---	---	---	---	---	---	---
10	8.97	9.34	---	---	---	---	---	---	---	---	---	---
11	8.97	9.34	---	---	---	---	---	---	---	---	---	---
12	8.97	9.41	---	---	---	---	---	---	---	---	---	---
13	8.98	9.42	---	---	---	---	---	---	---	---	---	---
14	8.98	9.42	---	---	---	---	---	---	---	---	---	---
15	8.98	9.42	---	---	---	---	---	---	---	---	---	---
16	8.98	9.42	---	---	---	---	---	---	---	---	---	---
17	8.99	9.42	---	---	---	---	---	---	---	---	---	---
18	8.99	9.42	---	---	---	---	---	---	---	---	---	---
19	8.99	9.43	---	---	---	---	---	---	---	---	---	---
20	8.99	9.43	---	---	---	---	---	---	---	---	---	---
21	9.00	9.43	---	---	---	---	---	---	---	---	---	---
22	9.00	9.43	---	---	---	---	---	---	---	---	---	---
23	9.00	9.44	---	---	---	---	---	---	---	---	---	---
24	9.00	9.44	---	---	---	---	---	---	---	---	---	---
25	9.00	9.44	---	---	---	---	---	---	---	---	---	---
26	9.01	9.49	---	---	---	---	---	---	---	---	---	---
27	9.01	9.49	---	---	---	---	---	---	---	---	---	---
28	9.02	9.49	---	---	---	---	---	---	---	---	---	---
29	9.02	---	---	---	---	---	---	---	---	---	---	---
30	9.03	---	---	---	---	---	---	---	---	---	---	---
31	9.03	---	---	---	---	---	---	---	---	---	---	---



## Highest Daily Water Level in Well FP-76, 1987

STATION NUMBER 644825147322401 FD00100122CCCC1 004

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	---	---	---	---	---	---	4.84	5.21	5.57
2	---	---	---	---	---	---	---	---	---	4.85	5.22	5.46
3	---	---	---	---	---	---	---	---	---	4.87	5.23	5.59
4	---	---	---	---	---	---	---	---	---	4.88	5.24	5.59
5	---	---	---	---	---	---	---	---	---	4.89	5.25	5.60
6	---	---	---	---	---	---	---	---	---	4.90	5.27	5.60
7	---	---	---	---	---	---	---	---	---	4.91	5.28	5.60
8	---	---	---	---	---	---	---	---	---	4.93	5.29	5.60
9	---	---	---	---	---	---	---	---	---	4.94	5.30	5.62
10	---	---	---	---	---	---	---	---	---	4.95	5.31	5.64
11	---	---	---	---	---	---	---	---	---	4.96	5.33	5.65
12	---	---	---	---	---	---	---	---	---	4.97	5.34	5.65
13	---	---	---	---	---	---	---	---	---	4.98	5.35	5.65
14	---	---	---	---	---	---	---	---	---	5.00	5.36	5.65
15	---	---	---	---	---	---	---	---	---	5.01	5.37	5.65
16	---	---	---	---	---	---	---	---	---	5.02	5.38	5.65
17	---	---	---	---	---	---	---	---	---	5.03	5.40	5.65
18	---	---	---	---	---	---	---	---	4.73	5.04	5.41	5.66
19	---	---	---	---	---	---	---	---	4.74	5.05	5.42	5.66
20	---	---	---	---	---	---	---	---	4.74	5.07	5.43	5.66
21	---	---	---	---	---	---	---	---	4.75	5.08	5.44	5.66
22	---	---	---	---	---	---	---	---	4.75	5.09	5.46	5.68
23	---	---	---	---	---	---	---	---	4.76	5.10	5.47	5.69
24	---	---	---	---	---	---	---	---	4.78	5.11	5.48	5.69
25	---	---	---	---	---	---	---	---	4.79	5.13	5.49	5.69
26	---	---	---	---	---	---	---	---	4.81	5.14	5.50	5.69
27	---	---	---	---	---	---	---	---	4.81	5.15	5.51	5.69
28	---	---	---	---	---	---	---	---	4.82	5.16	5.54	5.69
29	---	---	---	---	---	---	---	---	4.82	5.17	5.55	5.69
30	---	---	---	---	---	---	---	---	4.83	5.18	5.56	5.69
31	---	---	---	---	---	---	---	---	---	5.20	---	5.69

## Highest Daily Water Level in Well FP-76, 1988

STATION NUMBER 644825147322401 FD00100122CCCC1 004  
WATER LEVEL, IN FEET BELOW LAND SURFACE  
HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.69	5.76	5.78	5.78	5.36	4.66	3.60	3.39	3.78	4.42	---	---
2	5.69	5.77	5.78	5.78	5.34	4.65	3.61	3.44	3.78	4.45	---	---
3	5.69	5.77	5.78	5.78	5.33	4.64	3.64	3.44	3.79	4.45	---	---
4	5.69	5.77	5.78	5.77	5.30	4.64	3.65	3.42	3.80	4.46	---	---
5	5.69	5.77	5.78	5.77	5.30	4.62	3.65	3.42	3.80	4.51	---	---
6	5.69	5.77	5.78	5.76	5.30	4.61	3.68	3.43	3.80	4.51	---	---
7	5.69	5.78	5.77	5.76	5.27	4.61	3.59	3.44	3.80	4.52	---	---
8	5.69	5.78	5.77	5.76	5.26	4.61	3.58	3.41	3.80	4.56	---	---
9	5.69	5.78	5.77	5.75	5.25	4.61	3.58	3.41	3.84	4.58	---	---
10	5.69	5.78	5.77	5.75	5.23	4.61	3.59	- .75	3.91	4.60	---	---
11	5.72	5.78	5.77	5.74	5.22	4.60	3.60	3.46	3.92	4.61	---	---
12	5.73	5.78	5.77	5.74	5.20	4.59	3.60	3.46	3.96	4.62	---	---
13	5.73	5.78	5.77	5.74	5.18	4.59	3.61	3.46	3.98	4.67	---	---
14	5.73	5.78	5.78	5.71	5.16	4.59	3.63	3.46	3.99	4.68	---	---
15	5.73	5.78	5.78	5.71	5.11	4.58	3.63	3.47	4.00	4.70	---	---
16	5.74	5.78	5.78	5.65	4.98	4.00	3.64	3.48	4.04	4.79	---	---
17	5.74	5.78	5.77	5.64	4.96	3.98	3.66	3.59	4.16	4.81	---	---
18	5.75	5.78	5.77	5.64	4.94	3.98	3.66	3.65	4.16	4.86	---	---
19	5.75	5.78	5.77	5.62	4.92	3.98	3.67	3.66	4.21	4.91	---	---
20	5.76	5.78	5.77	5.53	4.91	3.80	3.69	3.67	4.26	4.91	---	---
21	5.76	5.78	5.77	5.51	4.88	3.68	3.75	3.67	4.27	4.91	---	---
22	5.76	5.78	5.77	5.49	4.87	3.67	3.47	3.68	4.28	4.91	---	---
23	5.76	5.78	5.77	5.46	4.86	3.67	3.46	3.68	4.29	4.91	---	---
24	5.76	5.78	5.77	5.42	4.85	3.67	3.46	3.67	4.29	4.91	---	---
25	5.76	5.78	5.77	5.41	4.83	3.67	3.47	3.67	4.30	---	---	---
26	5.76	5.78	5.78	5.39	4.81	3.67	3.48	3.68	4.31	---	---	---
27	5.76	5.78	5.78	5.37	4.81	3.60	3.51	3.69	4.32	---	---	---
28	5.76	5.78	5.78	5.37	4.80	3.58	3.60	3.72	4.34	---	---	---
29	5.76	5.78	5.78	5.36	4.78	3.58	3.26	3.72	4.36	---	---	---
30	5.76	---	5.78	5.36	4.68	3.59	3.25	3.75	4.40	---	---	---
31	5.76	---	5.78	---	4.66	---	3.27	3.78	---	---	---	---

## Highest Daily Water Level in Well FP-D, 1987

STATION NUMBER 645035147243301 FD00100207ADDA1 002  
WATER LEVEL, IN FEET BELOW LAND SURFACE  
HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	---	---	---	11.04	10.73	10.00	10.68	11.31	11.40
2	---	---	---	---	---	---	11.07	10.67	10.03	10.70	11.31	11.45
3	---	---	---	---	---	---	11.08	10.62	10.11	10.75	11.31	11.45
4	---	---	---	---	---	---	11.10	10.58	10.16	10.78	11.31	11.45
5	---	---	---	---	---	---	11.12	10.58	10.21	10.79	11.29	11.45
6	---	---	---	---	---	---	11.14	10.59	10.26	10.81	11.28	11.45
7	---	---	---	---	---	---	11.15	10.59	10.28	10.84	11.22	11.45
8	---	---	---	---	---	---	11.23	10.60	10.29	10.88	11.19	11.46
9	---	---	---	---	---	---	11.26	10.62	10.32	10.88	11.19	11.46
10	---	---	---	---	---	---	11.28	10.62	10.33	10.93	11.19	11.46
11	---	---	---	---	---	---	11.31	10.61	10.32	10.97	11.19	11.46
12	---	---	---	---	---	---	11.33	10.60	10.32	10.99	11.19	11.46
13	---	---	---	---	---	---	11.34	10.60	10.32	11.01	11.19	11.46
14	---	---	---	---	---	---	11.35	10.59	10.32	11.04	11.19	11.46
15	---	---	---	---	---	---	11.33	10.59	10.32	11.07	11.19	11.47
16	---	---	---	---	---	---	11.18	10.44	10.32	11.08	11.19	11.47
17	---	---	---	---	---	---	11.15	10.31	10.32	11.09	11.19	11.47
18	---	---	---	---	---	---	11.15	10.27	10.33	11.10	11.19	11.47
19	---	---	---	---	---	---	11.15	10.23	10.34	11.12	11.20	11.47
20	---	---	---	---	---	10.54	11.16	10.13	10.35	11.14	11.20	11.47
21	---	---	---	---	---	10.58	11.16	9.96	10.37	11.17	11.20	11.47
22	---	---	---	---	---	10.71	11.17	9.87	10.39	11.17	11.22	11.47
23	---	---	---	---	---	10.77	11.20	9.81	10.43	11.19	11.23	11.47
24	---	---	---	---	---	10.84	11.17	9.78	10.45	11.21	11.24	11.47
25	---	---	---	---	---	10.93	11.20	9.75	10.50	11.25	11.32	11.47
26	---	---	---	---	---	11.00	10.96	9.79	10.55	11.30	11.34	11.47
27	---	---	---	---	---	11.06	10.81	9.80	10.57	11.31	11.34	11.47
28	---	---	---	---	---	11.02	10.74	9.81	10.61	11.31	11.35	11.47
29	---	---	---	---	---	11.02	10.73	9.88	10.64	11.31	11.36	11.47
30	---	---	---	---	---	11.03	10.74	9.93	10.67	11.31	11.38	11.47
31	---	---	---	---	---	---	10.74	9.97	---	11.31	---	11.48

## Highest Daily Water Level in Well FP-D, 1988

STATION NUMBER 645035147243301 FD00100207ADDA1 002

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11.47	11.50	11.54	11.58	11.36	10.28	9.60	10.43	10.37	10.75	10.78	11.13
2	11.47	11.50	11.54	11.60	11.36	10.28	9.61	10.43	10.38	10.78	10.78	11.13
3	11.47	11.51	11.54	11.67	11.36	10.25	9.68	10.42	10.40	10.83	10.79	11.13
4	11.47	11.51	11.53	11.69	11.36	10.24	9.74	10.41	10.41	10.85	10.80	11.13
5	11.47	11.51	11.53	11.70	11.35	10.25	9.83	10.41	10.38	10.86	10.84	11.14
6	11.47	11.51	11.53	11.70	11.35	10.25	9.93	10.40	10.38	10.86	10.85	11.14
7	11.47	11.51	11.53	11.70	11.35	10.27	10.04	10.39	10.38	10.87	10.86	11.14
8	11.47	11.51	11.54	11.72	11.35	10.32	10.14	10.38	10.43	10.88	10.87	11.14
9	11.47	11.51	11.54	11.72	11.35	10.41	10.19	10.37	10.42	10.90	10.88	11.14
10	11.47	11.51	11.54	11.72	11.30	10.46	10.22	10.33	10.41	10.91	10.89	11.16
11	11.47	11.51	11.54	11.73	11.18	10.51	10.23	10.30	10.41	10.91	10.90	11.18
12	11.47	11.51	11.54	11.73	11.11	10.58	10.23	10.28	10.41	10.83	10.91	11.18
13	11.47	11.51	11.54	11.75	11.05	10.64	10.23	10.23	10.39	10.73	10.93	11.22
14	11.47	11.51	11.54	11.75	11.01	10.70	10.23	10.13	10.43	10.68	10.94	11.22
15	11.48	11.51	11.54	11.77	10.78	10.68	10.23	10.04	10.44	10.64	10.98	11.22
16	11.48	11.51	11.54	11.77	10.53	10.60	10.24	9.97	10.45	10.62	11.00	11.22
17	11.48	11.52	11.55	11.77	10.27	10.13	10.24	9.96	10.50	10.62	11.01	11.21
18	11.48	11.52	11.55	11.77	10.23	9.68	10.25	9.96	10.50	10.63	11.02	11.21
19	11.48	11.52	11.55	11.77	10.21	9.57	10.25	9.97	10.51	10.63	11.04	11.21
20	11.48	11.52	11.55	11.76	10.21	9.54	10.23	9.97	10.51	10.63	11.05	11.21
21	11.49	11.52	11.55	11.67	10.23	9.18	10.34	9.99	10.59	10.64	11.05	11.21
22	11.49	11.52	11.55	11.64	10.29	9.16	10.39	10.00	10.63	10.66	11.05	11.21
23	11.49	11.52	11.56	11.49	10.24	9.05	10.41	10.07	10.66	10.70	11.05	11.21
24	11.49	11.53	11.56	11.47	10.20	9.05	10.45	10.13	10.69	10.75	11.06	11.21
25	11.49	11.53	11.56	11.45	10.13	9.07	10.43	10.13	10.69	10.79	11.07	11.21
26	11.50	11.53	11.56	11.43	10.01	9.22	10.42	10.14	10.69	10.79	11.07	11.21
27	11.50	11.53	11.56	11.40	9.99	9.36	10.41	10.16	10.71	10.79	11.07	11.21
28	11.50	11.54	11.57	11.38	9.99	9.48	10.42	10.23	10.73	10.79	11.07	11.21
29	11.50	11.54	11.57	11.38	10.01	9.57	10.42	10.26	10.73	10.79	11.07	11.21
30	11.50	---	11.57	11.37	10.07	9.60	10.43	10.31	10.74	10.79	11.08	11.21
31	11.50	---	11.58	---	10.18	---	10.43	10.34	---	10.78	---	11.21

## Highest Daily Water Level in Well FP-D, 1989

STATION NUMBER 645035147243301 FD00100207ADDA1 002

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11.21	11.50	11.55	---	---	---	---	---	---	---	---	---
2	11.21	11.49	11.55	---	---	---	---	---	---	---	---	---
3	11.22	11.51	---	---	---	---	---	---	---	---	---	---
4	11.22	11.51	---	---	---	---	---	---	---	---	---	---
5	11.22	11.52	---	---	---	---	---	---	---	---	---	---
6	11.22	11.52	---	---	---	---	---	---	---	---	---	---
7	11.22	11.53	---	---	---	---	---	---	---	---	---	---
8	11.23	11.53	---	---	---	---	---	---	---	---	---	---
9	11.22	11.54	---	---	---	---	---	---	---	---	---	---
10	11.22	11.54	---	---	---	---	---	---	---	---	---	---
11	11.22	11.54	---	---	---	---	---	---	---	---	---	---
12	11.22	11.55	---	---	---	---	---	---	---	---	---	---
13	11.24	11.55	---	---	---	---	---	---	---	---	---	---
14	11.24	11.54	---	---	---	---	---	---	---	---	---	---
15	11.24	11.54	---	---	---	---	---	---	---	---	---	---
16	11.24	11.54	---	---	---	---	---	---	---	---	---	---
17	11.24	11.54	---	---	---	---	---	---	---	---	---	---
18	11.25	11.54	---	---	---	---	---	---	---	---	---	---
19	11.25	11.54	---	---	---	---	---	---	---	---	---	---
20	11.25	11.54	---	---	---	---	---	---	---	---	---	---
21	11.25	11.54	---	---	---	---	---	---	---	---	---	---
22	11.25	11.54	---	---	---	---	---	---	---	---	---	---
23	11.26	11.55	---	---	---	---	---	---	---	---	---	---
24	11.26	11.55	---	---	---	---	---	---	---	---	---	---
25	11.27	11.54	---	---	---	---	---	---	---	---	---	---
26	11.30	11.54	---	---	---	---	---	---	---	---	---	---
27	11.31	11.55	---	---	---	---	---	---	---	---	---	---
28	11.31	11.55	---	---	---	---	---	---	---	---	---	---
29	11.32	---	---	---	---	---	---	---	---	---	---	---
30	11.43	---	---	---	---	---	---	---	---	---	---	---
31	11.44	---	---	---	---	---	---	---	---	---	---	---

# Highest Daily Water Level in Well FP-48, 1987

STATION NUMBER 644758147233401 FD00100229BDDC1 001

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	---	---	---	8.29	7.94	7.98	8.22	8.57	8.57
2	---	---	---	---	---	---	8.28	7.95	7.99	8.23	8.57	8.57
3	---	---	---	---	---	---	8.27	7.95	8.01	8.23	8.57	8.57
4	---	---	---	---	---	---	8.26	7.92	8.02	8.26	8.57	8.57
5	---	---	---	---	---	---	8.25	7.90	8.02	8.28	8.57	8.57
6	---	---	---	---	---	---	8.24	7.90	8.04	8.30	8.57	8.57
7	---	---	---	---	---	---	8.24	7.91	8.04	8.32	8.58	8.57
8	---	---	---	---	---	---	8.21	7.91	8.03	8.33	8.58	8.57
9	---	---	---	---	---	---	8.20	7.91	8.03	8.34	8.58	8.57
10	---	---	---	---	---	---	8.18	7.92	8.04	8.35	8.58	8.57
11	---	---	---	---	---	---	8.17	7.92	8.04	8.36	8.58	8.57
12	---	---	---	---	---	---	8.16	7.92	8.07	8.37	8.58	8.57
13	---	---	---	---	---	---	8.14	7.92	8.08	8.39	8.58	8.57
14	---	---	---	---	---	---	8.14	7.92	8.09	8.40	8.58	8.57
15	---	---	---	---	---	---	8.12	7.92	8.10	8.43	8.58	8.57
16	---	---	---	---	---	---	8.08	7.92	8.10	8.43	8.57	8.57
17	---	---	---	---	---	---	8.08	7.92	8.11	8.44	8.57	8.57
18	---	---	---	---	---	---	8.08	7.93	8.12	8.44	8.57	8.57
19	---	---	---	---	---	---	8.08	7.93	8.13	8.46	8.57	8.57
20	---	---	---	---	---	---	8.07	7.93	8.14	8.47	8.57	8.57
21	---	---	---	---	---	---	8.06	7.93	8.16	8.48	8.57	8.57
22	---	---	---	---	---	---	8.03	7.93	8.16	8.49	8.57	8.56
23	---	---	---	---	---	8.40	8.02	7.93	8.16	8.50	8.57	8.56
24	---	---	---	---	---	8.38	8.02	7.93	8.16	8.51	8.57	8.56
25	---	---	---	---	---	8.37	8.02	7.93	8.17	8.52	8.57	8.55
26	---	---	---	---	---	8.34	8.02	7.94	8.18	8.54	8.57	8.55
27	---	---	---	---	---	8.34	8.01	7.94	8.19	8.54	8.57	8.55
28	---	---	---	---	---	8.34	7.99	7.94	8.20	8.55	8.57	8.55
29	---	---	---	---	---	8.34	7.98	7.95	8.20	8.55	8.57	8.55
30	---	---	---	---	---	8.34	7.94	7.96	8.21	8.56	8.57	8.55
31	---	---	---	---	---	---	7.94	7.97	---	8.56	---	8.55

## Highest Daily Water Level in Well FP-48, 1988

STATION NUMBER 644758147233401 FD00100229BDDC1 001

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8.55	8.47	8.37	8.22	8.51	8.32	7.74	7.77	7.92	8.11	8.17	8.12
2	8.55	8.47	8.36	8.21	8.52	8.28	7.73	7.78	7.92	8.11	8.17	8.12
3	8.55	8.47	8.35	8.19	8.53	8.28	7.73	7.78	7.93	8.12	8.17	8.12
4	8.55	8.47	8.25	8.18	8.53	8.28	7.72	7.79	7.93	8.17	8.17	8.12
5	8.55	8.47	8.24	8.17	8.53	8.28	7.72	7.79	7.93	8.17	8.16	8.12
6	8.55	8.47	8.24	8.14	8.53	8.27	7.73	7.79	7.93	8.17	8.16	8.12
7	8.55	8.47	8.23	8.14	8.53	8.26	7.72	7.79	7.93	8.17	8.16	8.12
8	8.55	8.47	8.23	8.13	8.53	8.23	7.71	7.80	7.94	8.17	8.16	8.12
9	8.55	8.47	8.23	8.12	8.53	8.22	7.70	7.80	7.94	8.17	8.16	8.11
10	8.55	8.47	8.23	8.12	8.53	8.21	7.70	7.81	7.95	8.17	8.15	8.11
11	8.55	8.47	8.22	8.12	8.53	8.20	7.69	7.81	7.96	8.18	8.15	8.11
12	8.55	8.47	8.22	8.12	8.52	8.19	7.68	7.81	7.98	8.18	8.15	8.11
13	8.55	8.46	8.22	8.12	8.52	8.18	7.68	7.81	7.99	8.18	8.14	8.11
14	8.54	8.46	8.22	8.12	8.52	8.17	7.68	7.81	8.00	8.19	8.14	8.11
15	8.54	8.46	8.22	8.13	8.51	8.15	7.69	7.81	8.02	8.19	8.14	8.11
16	8.54	8.46	8.23	8.13	8.50	8.10	7.69	7.81	8.04	8.19	8.14	8.11
17	8.54	8.46	8.26	8.14	8.51	8.02	7.70	7.81	8.04	8.19	8.14	8.11
18	8.54	8.46	8.26	8.15	8.51	7.95	7.70	7.81	8.05	8.19	8.14	8.11
19	8.54	8.39	8.25	8.15	8.51	7.93	7.70	7.81	8.06	8.19	8.13	8.11
20	8.54	8.36	8.25	8.17	8.51	7.90	7.69	7.82	8.06	8.19	8.13	8.11
21	8.50	8.36	8.25	8.22	8.50	7.87	7.69	7.82	8.08	8.19	8.13	8.11
22	8.48	8.37	8.25	8.27	8.50	7.83	7.70	7.83	8.09	8.19	8.13	8.10
23	8.47	8.37	8.25	8.33	8.50	7.83	7.70	7.83	8.09	8.19	8.13	8.10
24	8.47	8.37	8.25	8.38	8.49	7.83	7.70	7.85	8.09	8.19	8.13	8.10
25	8.47	8.37	8.25	8.43	8.47	7.82	7.71	7.85	8.09	8.18	8.13	8.10
26	8.47	8.37	8.25	8.45	8.45	7.80	7.71	7.85	8.10	8.18	8.12	8.10
27	8.47	8.38	8.25	8.46	8.44	7.78	7.73	7.85	8.10	8.18	8.12	8.10
28	8.47	8.38	8.25	8.47	8.44	7.76	7.74	7.87	8.10	8.18	8.12	8.10
29	8.47	8.38	8.24	8.48	8.43	7.74	7.75	7.89	8.11	8.18	8.12	8.10
30	8.47	---	8.23	8.50	8.43	7.74	7.76	7.91	8.11	8.18	8.12	8.10
31	8.47	---	8.21	---	8.35	---	7.77	7.91	---	8.17	---	8.10

## Highest Daily Water Level in Well FP-48, 1989

STATION NUMBER 644758147233401 FD00100229BDDC1 001

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8.10	8.06	7.94	---	---	---	---	---	---	---	---	---
2	8.10	8.06	7.94	---	---	---	---	---	---	---	---	---
3	8.10	8.06	---	---	---	---	---	---	---	---	---	---
4	8.09	8.06	---	---	---	---	---	---	---	---	---	---
5	8.09	8.04	---	---	---	---	---	---	---	---	---	---
6	8.09	8.02	---	---	---	---	---	---	---	---	---	---
7	8.09	8.01	---	---	---	---	---	---	---	---	---	---
8	8.08	8.01	---	---	---	---	---	---	---	---	---	---
9	8.08	8.01	---	---	---	---	---	---	---	---	---	---
10	8.08	8.01	---	---	---	---	---	---	---	---	---	---
11	8.08	7.96	---	---	---	---	---	---	---	---	---	---
12	8.08	7.95	---	---	---	---	---	---	---	---	---	---
13	8.08	7.95	---	---	---	---	---	---	---	---	---	---
14	8.08	7.95	---	---	---	---	---	---	---	---	---	---
15	8.08	7.95	---	---	---	---	---	---	---	---	---	---
16	8.08	7.95	---	---	---	---	---	---	---	---	---	---
17	8.07	7.95	---	---	---	---	---	---	---	---	---	---
18	8.07	7.95	---	---	---	---	---	---	---	---	---	---
19	8.07	7.95	---	---	---	---	---	---	---	---	---	---
20	8.07	7.95	---	---	---	---	---	---	---	---	---	---
21	8.07	7.95	---	---	---	---	---	---	---	---	---	---
22	8.07	7.95	---	---	---	---	---	---	---	---	---	---
23	8.07	7.95	---	---	---	---	---	---	---	---	---	---
24	8.07	7.95	---	---	---	---	---	---	---	---	---	---
25	8.07	7.94	---	---	---	---	---	---	---	---	---	---
26	8.07	7.94	---	---	---	---	---	---	---	---	---	---
27	8.07	7.94	---	---	---	---	---	---	---	---	---	---
28	8.07	7.94	---	---	---	---	---	---	---	---	---	---
29	8.07	---	---	---	---	---	---	---	---	---	---	---
30	8.06	---	---	---	---	---	---	---	---	---	---	---
31	8.06	---	---	---	---	---	---	---	---	---	---	---



## Highest Daily Water Level in Well FP-52, 1987

STATION NUMBER 644645147152201 FD00100236DDDD1 002

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	---	---	---	---	7.51	7.06	7.10	7.53	7.74
2	---	---	---	---	---	---	---	7.49	7.06	7.11	7.53	7.80
3	---	---	---	---	---	---	---	7.48	7.06	7.12	7.55	7.80
4	---	---	---	---	---	---	---	7.46	7.06	7.18	7.56	7.80
5	---	---	---	---	---	---	---	7.45	7.06	7.19	7.56	7.80
6	---	---	---	---	---	---	---	7.44	7.06	7.19	7.58	7.80
7	---	---	---	---	---	---	---	7.43	7.06	7.20	7.60	7.80
8	---	---	---	---	---	---	---	7.42	7.06	7.21	7.61	7.80
9	---	---	---	---	---	---	---	7.41	7.06	7.21	7.62	7.81
10	---	---	---	---	---	---	---	7.39	7.07	7.23	7.63	7.82
11	---	---	---	---	---	---	---	7.37	7.07	7.23	7.63	7.84
12	---	---	---	---	---	---	---	7.36	7.07	7.24	7.64	7.86
13	---	---	---	---	---	---	---	7.35	7.07	7.25	7.64	7.87
14	---	---	---	---	---	---	---	7.34	7.07	7.25	7.65	7.87
15	---	---	---	---	---	---	---	7.33	7.07	7.25	7.66	7.87
16	---	---	---	---	---	---	---	7.31	7.07	7.27	7.66	7.87
17	---	---	---	---	---	---	---	7.25	7.07	7.30	7.66	7.87
18	---	---	---	---	---	---	---	7.19	7.07	7.32	7.66	7.87
19	---	---	---	---	---	---	---	7.16	7.07	7.32	7.70	7.87
20	---	---	---	---	---	---	---	7.14	7.07	7.32	7.70	7.87
21	---	---	---	---	---	---	---	7.13	7.07	7.35	7.71	7.89
22	---	---	---	---	---	---	7.66	7.12	7.07	7.35	7.73	7.92
23	---	---	---	---	---	---	7.65	7.10	7.07	7.35	7.74	7.91
24	---	---	---	---	---	---	7.64	7.09	7.07	7.35	7.75	7.91
25	---	---	---	---	---	---	7.63	7.07	7.08	7.38	7.77	7.92
26	---	---	---	---	---	---	7.62	7.07	7.08	7.40	7.77	7.92
27	---	---	---	---	---	---	7.60	7.07	7.09	7.40	7.77	7.94
28	---	---	---	---	---	---	7.58	7.07	7.09	7.41	7.78	7.94
29	---	---	---	---	---	---	7.55	7.07	7.10	7.41	7.79	7.94
30	---	---	---	---	---	---	7.53	7.07	7.10	7.50	7.80	7.94
31	---	---	---	---	---	---	7.52	7.07	---	7.52	---	7.95

# Highest Daily Water Level in Well FP-52, 1988

STATION NUMBER 644645147152201 FD00100236DDDD1 002

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	7.95	8.08	8.14	8.21	8.03	7.22	6.39	6.73	6.69	6.74	6.86	7.11
2	7.97	8.08	8.14	8.21	8.02	7.22	6.39	6.73	6.69	6.73	6.86	7.12
3	7.97	8.08	8.16	8.21	8.00	7.19	6.40	6.73	6.69	6.73	6.86	7.11
4	7.97	8.08	8.15	8.21	7.98	7.18	6.41	6.73	6.68	6.73	6.88	7.11
5	7.97	8.08	8.15	8.21	7.97	7.17	6.41	6.73	6.68	6.74	6.90	7.16
6	7.97	8.08	8.16	8.21	7.96	7.16	6.43	6.73	6.68	6.74	6.90	7.17
7	7.97	8.08	8.16	8.21	7.95	7.16	6.46	6.72	6.68	6.74	6.92	7.16
8	7.97	8.09	8.16	8.21	7.94	7.16	6.48	6.72	6.68	6.74	6.93	7.16
9	7.97	8.09	8.16	8.21	7.93	7.16	6.41	6.72	6.67	6.77	6.95	7.16
10	7.98	8.09	8.16	8.20	7.87	7.17	6.41	6.72	6.67	6.78	6.94	7.16
11	7.98	8.10	8.16	8.20	7.83	7.17	6.41	6.72	6.67	6.78	6.94	7.16
12	7.98	8.10	8.17	8.20	7.83	7.17	6.41	6.72	6.67	6.78	6.95	7.17
13	7.99	8.11	8.17	8.20	7.80	7.17	6.42	6.71	6.67	6.78	6.97	7.17
14	7.99	8.11	8.18	8.20	7.80	7.17	6.43	6.71	6.67	6.81	6.97	7.17
15	7.99	8.11	8.19	8.21	7.71	7.16	6.45	6.71	6.67	6.83	6.97	7.17
16	7.99	8.11	8.19	8.20	7.67	7.15	6.47	6.70	6.67	6.83	6.99	7.17
17	8.00	8.11	8.19	8.20	7.65	7.14	6.48	6.70	6.67	6.83	6.99	7.18
18	8.01	8.11	8.18	8.19	7.60	7.13	6.50	6.70	6.67	6.84	7.01	7.18
19	8.01	8.12	8.18	8.19	7.59	7.11	6.51	6.70	6.67	6.84	7.01	7.18
20	8.01	8.12	8.18	8.18	7.59	7.10	6.53	6.70	6.67	6.84	7.01	7.18
21	8.02	8.14	8.18	8.18	7.58	7.06	6.54	6.70	6.69	6.84	7.00	7.18
22	8.02	8.14	8.18	8.16	7.54	6.56	6.59	6.70	6.70	6.84	7.01	7.18
23	8.04	8.13	8.19	8.16	7.54	6.48	6.60	6.70	6.70	6.84	7.03	7.18
24	8.05	8.13	8.20	8.13	7.48	6.47	6.60	6.70	6.70	6.85	7.03	7.18
25	8.05	8.13	8.20	8.11	7.39	6.41	6.61	6.70	6.70	6.85	7.08	7.18
26	8.06	8.14	8.20	8.07	7.36	6.40	6.65	6.70	6.70	6.86	7.08	7.18
27	8.06	8.14	8.21	8.07	7.28	6.39	6.68	6.70	6.70	6.86	7.08	7.18
28	8.06	8.14	8.21	8.06	7.26	6.38	6.69	6.70	6.70	6.86	7.08	7.18
29	8.06	8.14	8.21	8.06	7.22	6.38	6.71	6.70	6.70	6.86	7.08	7.18
30	8.06	---	8.21	8.05	7.22	6.39	6.71	6.70	6.73	6.86	7.08	7.18
31	8.07	---	8.21	---	7.22	---	6.73	6.69	---	6.86	---	7.18

## Highest Daily Water Level in Well FP-52, 1989

STATION NUMBER 644645147152201 FD00100236DDDD1 002

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	7.18	7.37	7.47	---	---	---	---	---	---	---	---	---
2	7.19	7.37	7.46	---	---	---	---	---	---	---	---	---
3	7.19	7.37	---	---	---	---	---	---	---	---	---	---
4	7.22	7.37	---	---	---	---	---	---	---	---	---	---
5	7.27	7.37	---	---	---	---	---	---	---	---	---	---
6	7.28	7.37	---	---	---	---	---	---	---	---	---	---
7	7.28	7.38	---	---	---	---	---	---	---	---	---	---
8	7.28	7.38	---	---	---	---	---	---	---	---	---	---
9	7.28	7.38	---	---	---	---	---	---	---	---	---	---
10	7.28	7.39	---	---	---	---	---	---	---	---	---	---
11	7.27	7.39	---	---	---	---	---	---	---	---	---	---
12	7.28	7.40	---	---	---	---	---	---	---	---	---	---
13	7.30	7.40	---	---	---	---	---	---	---	---	---	---
14	7.29	7.40	---	---	---	---	---	---	---	---	---	---
15	7.29	7.39	---	---	---	---	---	---	---	---	---	---
16	7.29	7.39	---	---	---	---	---	---	---	---	---	---
17	7.29	7.39	---	---	---	---	---	---	---	---	---	---
18	7.30	7.39	---	---	---	---	---	---	---	---	---	---
19	7.30	7.39	---	---	---	---	---	---	---	---	---	---
20	7.30	7.39	---	---	---	---	---	---	---	---	---	---
21	7.30	7.39	---	---	---	---	---	---	---	---	---	---
22	7.30	7.39	---	---	---	---	---	---	---	---	---	---
23	7.30	7.45	---	---	---	---	---	---	---	---	---	---
24	7.30	7.46	---	---	---	---	---	---	---	---	---	---
25	7.30	7.46	---	---	---	---	---	---	---	---	---	---
26	7.30	7.46	---	---	---	---	---	---	---	---	---	---
27	7.30	7.47	---	---	---	---	---	---	---	---	---	---
28	7.31	7.47	---	---	---	---	---	---	---	---	---	---
29	7.32	---	---	---	---	---	---	---	---	---	---	---
30	7.36	---	---	---	---	---	---	---	---	---	---	---
31	7.37	---	---	---	---	---	---	---	---	---	---	---

## Highest Daily Water Level in Well FP-65, 1987

STATION NUMBER 644759147134501 FD00100330BDCB1 001

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	---	---	---	---	16.76	16.51	17.36	18.17	18.13
2	---	---	---	---	---	---	---	16.60	16.57	17.38	18.05	18.13
3	---	---	---	---	---	---	---	16.58	16.60	17.42	17.98	18.13
4	---	---	---	---	---	---	---	16.58	16.65	17.47	17.85	18.13
5	---	---	---	---	---	---	---	16.63	16.70	17.48	17.83	18.13
6	---	---	---	---	---	---	---	16.85	16.73	17.51	17.83	18.13
7	---	---	---	---	---	---	---	17.05	16.76	17.56	17.83	18.13
8	---	---	---	---	---	---	---	17.15	16.82	17.56	17.84	18.13
9	---	---	---	---	---	---	---	17.20	16.75	17.58	17.86	18.13
10	---	---	---	---	---	---	---	17.20	16.62	17.66	17.86	18.14
11	---	---	---	---	---	---	---	17.20	16.61	17.66	17.86	18.14
12	---	---	---	---	---	---	---	17.21	16.61	17.68	17.86	18.14
13	---	---	---	---	---	---	---	17.25	16.61	17.69	17.86	18.14
14	---	---	---	---	---	---	---	17.23	16.61	17.68	17.87	18.14
15	---	---	---	---	---	---	---	16.41	16.62	17.71	17.88	18.14
16	---	---	---	---	---	---	---	15.84	16.66	17.74	17.89	18.14
17	---	---	---	---	---	---	---	15.79	16.73	17.74	17.90	18.15
18	---	---	---	---	---	---	---	15.79	16.78	17.75	17.90	18.15
19	---	---	---	---	---	---	---	15.83	16.85	17.81	17.91	18.16
20	---	---	---	---	---	---	---	15.26	16.93	17.95	17.92	18.16
21	---	---	---	---	---	---	---	14.69	16.98	18.02	17.93	18.17
22	---	---	---	---	---	---	---	14.68	17.03	18.02	17.94	18.17
23	---	---	---	---	---	---	18.02	14.71	17.04	18.06	17.99	18.17
24	---	---	---	---	---	---	17.99	14.95	17.07	18.06	18.01	18.17
25	---	---	---	---	---	---	16.39	15.28	17.10	18.06	18.02	18.17
26	---	---	---	---	---	---	15.88	15.59	17.16	18.09	18.03	18.17
27	---	---	---	---	---	---	15.89	15.83	17.18	18.10	18.03	18.18
28	---	---	---	---	---	---	16.09	16.03	17.27	18.12	18.03	18.18
29	---	---	---	---	---	---	16.45	16.18	17.32	18.17	18.07	18.18
30	---	---	---	---	---	---	16.74	16.35	17.34	18.27	18.11	18.18
31	---	---	---	---	---	---	16.95	16.49	---	18.30	---	18.17

## Highest Daily Water Level in Well FP-65, 1988

STATION NUMBER 644759147134501 FD00100330BDCB1 001

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	18.17	18.23	18.46	18.62	17.81	16.61	15.95	16.88	16.83	17.31	17.33	17.72
2	18.17	18.23	18.46	18.62	17.81	16.32	16.20	16.88	16.84	17.37	17.35	17.73
3	18.17	18.23	18.46	18.61	17.81	16.31	16.45	16.88	16.85	17.40	17.39	17.73
4	18.17	18.23	18.47	18.61	17.81	16.31	16.76	16.89	16.87	17.41	17.44	17.73
5	18.18	18.23	18.47	18.63	17.79	16.36	16.92	16.84	16.88	17.43	17.46	17.76
6	18.18	18.23	18.47	18.66	17.77	16.48	17.03	16.75	16.89	17.43	17.46	17.76
7	18.18	18.23	18.48	18.68	17.77	16.74	17.22	16.73	16.87	17.43	17.46	17.76
8	18.18	18.24	18.48	18.68	17.74	16.94	17.24	16.72	16.77	17.44	17.47	17.75
9	18.18	18.24	18.50	18.68	17.58	17.08	17.21	16.46	16.75	17.45	17.48	17.76
10	18.18	18.24	18.50	18.68	17.40	17.18	17.01	16.31	16.75	17.45	17.49	17.76
11	18.18	18.24	18.51	18.69	17.38	17.22	16.97	16.30	16.76	17.46	17.55	17.85
12	18.18	18.24	18.51	18.68	17.35	17.35	16.97	16.30	16.84	17.48	17.61	17.86
13	18.20	18.29	18.52	18.68	17.03	17.21	16.98	16.11	16.85	17.50	17.65	17.86
14	18.20	18.30	18.53	18.68	16.55	17.02	16.98	15.83	16.87	17.59	17.65	17.86
15	18.20	18.34	18.53	18.69	15.64	17.03	16.75	15.79	16.95	17.58	17.68	17.86
16	18.20	18.37	18.53	18.70	14.65	16.71	16.42	15.79	16.98	17.40	17.68	17.85
17	18.20	18.37	18.56	18.72	14.65	13.30	16.43	15.80	17.00	17.22	17.68	17.85
18	18.20	18.38	18.57	18.73	14.82	12.47	16.55	15.90	17.02	17.16	17.70	17.86
19	18.20	18.38	18.57	18.73	15.37	13.00	16.80	15.97	17.05	17.04	17.70	17.86
20	18.20	18.40	18.57	18.71	15.96	14.12	16.92	16.07	17.10	16.99	17.70	17.86
21	18.20	18.41	18.57	18.61	16.24	13.30	17.10	16.20	17.16	16.97	17.70	17.86
22	18.21	18.41	18.57	18.51	16.05	12.69	17.15	16.28	17.19	16.97	17.70	17.86
23	18.21	18.42	18.57	18.45	15.84	12.89	17.10	16.35	17.20	17.08	17.70	17.86
24	18.21	18.42	18.57	18.38	15.84	14.04	16.59	16.45	17.20	17.12	17.70	17.86
25	18.21	18.45	18.59	18.24	15.34	14.54	16.54	16.46	17.20	17.13	17.70	17.86
26	18.21	18.46	18.61	18.11	15.34	15.14	16.54	16.50	17.20	17.17	17.70	17.87
27	18.21	18.46	18.61	18.02	15.47	15.45	16.65	16.54	17.21	17.24	17.70	17.87
28	18.21	18.46	18.62	17.94	15.84	15.99	16.75	16.64	17.21	17.28	17.71	17.87
29	18.21	18.46	18.62	17.90	16.20	15.82	16.90	16.69	17.22	17.30	17.72	17.87
30	18.22	---	18.62	17.83	16.50	15.82	16.96	16.75	17.25	17.31	17.72	17.87
31	18.22	---	18.62	---	16.68	---	16.96	16.79	---	17.32	---	17.87

## Highest Daily Water Level in Well FP-65, 1989

STATION NUMBER 644759147134501 FD00100330BDCB1 001

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	17.87	17.92	18.34	---	---	---	---	---	---	---	---	---
2	17.87	17.93	18.34	---	---	---	---	---	---	---	---	---
3	17.87	17.93	18.34	---	---	---	---	---	---	---	---	---
4	17.88	17.93	18.34	---	---	---	---	---	---	---	---	---
5	17.88	17.93	18.33	---	---	---	---	---	---	---	---	---
6	17.88	17.93	18.33	---	---	---	---	---	---	---	---	---
7	17.88	17.93	---	---	---	---	---	---	---	---	---	---
8	17.88	17.93	---	---	---	---	---	---	---	---	---	---
9	17.88	18.29	---	---	---	---	---	---	---	---	---	---
10	17.88	18.29	---	---	---	---	---	---	---	---	---	---
11	17.88	18.29	---	---	---	---	---	---	---	---	---	---
12	17.88	18.35	---	---	---	---	---	---	---	---	---	---
13	17.88	18.35	---	---	---	---	---	---	---	---	---	---
14	17.88	18.35	---	---	---	---	---	---	---	---	---	---
15	17.88	18.35	---	---	---	---	---	---	---	---	---	---
16	17.88	18.35	---	---	---	---	---	---	---	---	---	---
17	17.87	18.35	---	---	---	---	---	---	---	---	---	---
18	17.87	18.35	---	---	---	---	---	---	---	---	---	---
19	17.87	18.34	---	---	---	---	---	---	---	---	---	---
20	17.87	18.34	---	---	---	---	---	---	---	---	---	---
21	17.88	18.34	---	---	---	---	---	---	---	---	---	---
22	17.88	18.34	---	---	---	---	---	---	---	---	---	---
23	17.89	18.34	---	---	---	---	---	---	---	---	---	---
24	17.89	18.34	---	---	---	---	---	---	---	---	---	---
25	17.90	18.34	---	---	---	---	---	---	---	---	---	---
26	17.91	18.34	---	---	---	---	---	---	---	---	---	---
27	17.91	18.34	---	---	---	---	---	---	---	---	---	---
28	17.91	18.34	---	---	---	---	---	---	---	---	---	---
29	17.92	---	---	---	---	---	---	---	---	---	---	---
30	17.92	---	---	---	---	---	---	---	---	---	---	---
31	17.92	---	---	---	---	---	---	---	---	---	---	---

## Highest Daily Water Level in Well FP-61, 1987

STATION NUMBER 644352147205001 FD00200221ABAD1 001

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	---	---	---	8.25	6.72	---	9.39	10.32	9.44
2	---	---	---	---	---	---	8.17	6.72	---	9.41	10.39	9.44
3	---	---	---	---	---	---	8.11	6.72	---	9.43	10.50	9.44
4	---	---	---	---	---	---	7.94	6.76	---	9.49	10.55	9.44
5	---	---	---	---	---	---	7.82	6.81	---	9.52	10.55	9.45
6	---	---	---	---	---	---	7.73	6.87	---	9.56	10.56	9.46
7	---	---	---	---	---	---	7.71	6.88	---	9.60	10.56	9.46
8	---	---	---	---	---	---	7.69	6.89	---	9.64	10.47	9.48
9	---	---	---	---	---	---	7.68	6.90	---	9.65	10.20	9.48
10	---	---	---	---	---	---	7.67	6.94	---	9.72	10.12	9.48
11	---	---	---	---	---	---	7.61	---	---	9.73	10.00	9.48
12	---	---	---	---	---	---	7.46	---	---	9.74	9.80	9.48
13	---	---	---	---	---	---	7.36	---	---	9.75	9.63	9.49
14	---	---	---	---	---	---	7.30	---	---	9.76	9.55	9.49
15	---	---	---	---	---	---	6.87	---	---	9.78	9.54	9.52
16	---	---	---	---	---	---	6.70	---	---	9.79	9.51	9.52
17	---	---	---	---	---	---	6.70	---	---	9.81	9.48	9.53
18	---	---	---	---	---	---	6.70	---	8.70	9.82	9.48	9.53
19	---	---	---	---	---	---	6.70	---	8.74	9.91	9.48	9.52
20	---	---	---	---	---	---	6.70	---	8.87	9.94	9.48	9.52
21	---	---	---	---	---	---	6.70	---	8.90	9.99	9.47	9.53
22	---	---	---	---	---	---	6.68	---	9.00	10.02	9.46	9.52
23	---	---	---	---	---	---	6.67	---	9.03	10.09	9.46	9.52
24	---	---	---	---	---	8.46	6.67	---	9.08	10.10	9.47	9.53
25	---	---	---	---	---	8.37	6.67	---	9.14	10.11	9.46	9.53
26	---	---	---	---	---	8.31	6.64	---	9.21	10.13	9.46	9.53
27	---	---	---	---	---	8.29	6.64	---	9.27	10.14	9.46	9.53
28	---	---	---	---	---	8.28	6.66	---	9.28	10.15	9.46	9.53
29	---	---	---	---	---	8.27	6.70	---	9.34	10.16	9.45	9.53
30	---	---	---	---	---	8.27	6.72	---	9.37	10.17	9.45	9.54
31	---	---	---	---	---	---	6.71	---	---	10.19	---	9.54

## Highest Daily Water Level in Well FP-61, 1988

STATION NUMBER 644352147205001 FD00200221ABAD1 001

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9.54	9.72	9.92	9.94	9.73	8.07	6.46	6.29	6.82	8.13	6.66	7.06
2	9.55	9.72	9.91	9.94	9.74	8.04	6.47	6.32	6.84	8.19	6.66	7.06
3	9.55	9.72	9.92	9.94	9.74	8.01	6.48	6.32	6.90	8.19	6.66	7.06
4	9.55	9.72	9.92	9.94	9.74	---	6.48	6.32	6.94	8.21	6.66	7.06
5	9.55	9.72	9.92	9.94	9.73	---	6.49	6.32	7.01	8.20	6.66	7.07
6	9.55	9.73	9.91	9.93	9.73	---	6.49	6.38	7.03	8.20	6.66	7.07
7	9.55	9.74	9.91	9.94	9.73	---	6.48	6.38	7.09	8.20	6.66	7.07
8	9.56	9.74	9.91	9.94	9.73	---	6.47	6.36	7.13	8.20	6.68	7.07
9	9.56	9.75	9.91	9.94	9.72	---	6.38	6.35	7.20	8.20	6.68	7.08
10	9.57	9.75	9.90	9.94	9.69	---	6.30	6.35	7.31	8.20	6.68	7.08
11	9.58	9.77	9.90	9.94	9.65	---	6.29	6.35	7.39	8.19	6.69	7.07
12	9.64	9.78	9.91	9.93	9.52	---	6.29	6.34	7.47	8.19	6.69	7.07
13	9.66	9.78	9.91	9.90	9.41	---	6.28	6.34	7.50	8.19	6.68	7.07
14	9.66	9.78	9.91	9.79	9.28	---	6.28	6.35	7.54	8.19	6.68	7.07
15	9.66	9.80	9.91	9.71	9.12	---	6.25	6.35	7.57	8.20	6.69	7.07
16	9.66	9.80	9.91	9.69	8.91	---	6.07	6.38	7.63	8.27	6.72	7.07
17	9.67	9.81	9.91	9.63	8.80	---	6.05	6.43	7.70	8.33	6.72	7.07
18	9.67	9.81	9.91	9.52	8.73	---	6.04	6.44	7.72	8.42	6.73	7.03
19	9.68	9.81	9.91	9.48	8.71	---	6.03	6.50	7.77	8.42	6.73	7.01
20	9.69	9.82	9.91	9.43	8.70	---	6.03	6.53	7.81	8.06	6.75	7.02
21	9.69	9.87	9.92	9.41	8.69	---	6.03	6.55	7.84	7.59	6.75	7.02
22	9.69	9.88	9.92	9.40	8.66	---	6.01	6.60	7.85	7.40	6.80	7.02
23	9.70	9.90	9.92	9.40	8.63	---	6.01	6.68	7.85	7.19	6.83	7.02
24	9.70	9.90	9.93	9.41	8.62	---	6.01	6.71	7.85	7.14	6.87	7.02
25	9.70	9.92	9.93	9.46	8.58	---	6.02	6.72	7.87	7.05	6.95	7.02
26	9.70	9.92	9.93	9.47	8.43	6.44	6.04	6.77	7.92	6.89	6.96	7.03
27	9.70	9.92	9.93	9.56	8.41	6.44	6.07	6.85	7.93	6.86	6.98	7.03
28	9.71	9.92	9.93	9.69	8.40	6.44	6.15	6.88	7.94	6.78	7.04	7.06
29	9.71	9.92	9.93	9.71	8.38	6.45	6.16	6.88	8.02	6.78	7.07	7.08
30	9.71	---	9.94	9.71	8.37	6.45	6.22	6.86	8.06	6.68	7.07	7.09
31	9.72	---	9.94	---	8.33	---	6.22	6.85	---	6.66	---	7.09



## Highest Daily Water Level in Well FP-61, 1989

STATION NUMBER 644352147205001 FD00200221ABAD1 001

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	7.09	7.55	7.59	---	---	---	---	---	---	---	---	---
2	7.09	7.59	7.59	---	---	---	---	---	---	---	---	---
3	7.09	7.60	7.60	---	---	---	---	---	---	---	---	---
4	7.09	7.60	7.60	---	---	---	---	---	---	---	---	---
5	7.10	7.60	7.61	---	---	---	---	---	---	---	---	---
6	7.10	7.60	7.61	---	---	---	---	---	---	---	---	---
7	7.11	7.60	---	---	---	---	---	---	---	---	---	---
8	7.11	7.60	---	---	---	---	---	---	---	---	---	---
9	7.11	7.61	---	---	---	---	---	---	---	---	---	---
10	7.11	7.61	---	---	---	---	---	---	---	---	---	---
11	7.11	7.61	---	---	---	---	---	---	---	---	---	---
12	7.11	7.60	---	---	---	---	---	---	---	---	---	---
13	7.15	7.59	---	---	---	---	---	---	---	---	---	---
14	7.15	7.59	---	---	---	---	---	---	---	---	---	---
15	7.18	7.59	---	---	---	---	---	---	---	---	---	---
16	7.19	7.59	---	---	---	---	---	---	---	---	---	---
17	7.20	7.58	---	---	---	---	---	---	---	---	---	---
18	7.23	7.58	---	---	---	---	---	---	---	---	---	---
19	---	7.58	---	---	---	---	---	---	---	---	---	---
20	---	7.59	---	---	---	---	---	---	---	---	---	---
21	---	7.59	---	---	---	---	---	---	---	---	---	---
22	---	7.59	---	---	---	---	---	---	---	---	---	---
23	---	7.60	---	---	---	---	---	---	---	---	---	---
24	---	7.59	---	---	---	---	---	---	---	---	---	---
25	---	7.59	---	---	---	---	---	---	---	---	---	---
26	7.38	7.59	---	---	---	---	---	---	---	---	---	---
27	7.42	7.59	---	---	---	---	---	---	---	---	---	---
28	7.44	7.59	---	---	---	---	---	---	---	---	---	---
29	7.51	---	---	---	---	---	---	---	---	---	---	---
30	7.52	---	---	---	---	---	---	---	---	---	---	---
31	7.54	---	---	---	---	---	---	---	---	---	---	---

## Highest Daily Water Level in Well P-251, 1986

STATION NUMBER 644400147151501 FD00200224ABBB1 001

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	12.26	12.63	12.70	12.93	12.69	12.62	12.46	11.66	11.01	11.31	11.71	11.99
2	12.27	12.64	12.70	12.93	12.67	12.62	12.45	11.62	10.98	11.41	11.74	11.99
3	12.28	12.65	12.70	12.93	12.67	12.62	12.45	11.60	10.98	11.41	11.75	12.02
4	12.30	12.66	12.70	12.93	12.65	12.62	12.44	11.59	10.97	11.43	11.78	12.02
5	12.31	12.67	12.70	12.93	12.65	12.61	12.43	11.58	10.96	11.47	11.78	12.02
6	12.32	12.67	12.70	12.93	12.65	12.61	12.41	11.57	10.95	11.50	11.83	12.03
7	12.32	12.68	12.70	12.93	12.60	12.61	12.40	11.56	10.94	11.51	11.84	12.05
8	12.32	12.70	12.70	12.93	12.60	12.61	12.38	11.54	10.94	11.53	11.84	12.06
9	12.34	12.70	12.70	12.93	12.60	12.61	12.37	11.54	10.96	11.56	11.84	12.06
10	12.35	12.70	12.70	12.93	12.60	12.61	12.35	11.54	10.99	11.58	11.85	12.07
11	12.38	12.70	12.70	12.93	12.60	12.61	12.33	11.54	11.01	11.59	11.85	12.07
12	12.39	12.70	12.70	12.93	12.60	12.61	12.31	11.54	11.02	11.53	11.85	12.08
13	12.41	12.70	12.70	12.93	12.60	12.61	12.30	11.54	11.03	11.50	11.85	12.09
14	12.42	12.70	12.70	12.93	12.60	12.61	12.27	11.54	11.07	11.48	11.86	12.09
15	12.44	12.70	12.70	12.93	12.61	12.61	12.26	11.54	11.08	11.48	11.86	12.10
16	12.45	12.70	12.70	12.93	12.61	12.61	12.25	11.56	11.10	11.47	11.86	12.11
17	12.46	12.70	12.70	12.93	12.61	12.61	12.23	11.56	11.12	11.45	11.86	12.12
18	12.47	12.70	12.91	12.93	12.62	12.61	12.22	11.58	11.13	11.45	11.87	12.13
19	12.48	12.70	12.91	12.93	12.62	12.61	12.19	11.60	11.15	11.45	11.87	12.14
20	12.49	12.70	12.93	12.93	12.62	12.61	12.16	11.62	11.17	11.45	11.87	12.14
21	12.51	12.70	12.93	12.93	12.62	12.61	12.12	11.58	11.21	11.45	11.87	12.15
22	12.51	12.70	12.93	12.90	12.62	12.61	12.07	11.54	11.22	11.45	11.88	12.16
23	12.53	12.70	12.93	12.88	12.62	12.61	12.04	11.52	11.23	11.48	11.88	12.17
24	12.54	12.70	12.93	12.88	12.62	12.60	12.00	11.50	11.27	11.52	11.89	12.18
25	12.55	12.70	12.93	12.88	12.62	12.58	11.95	11.45	11.28	11.56	11.91	12.19
26	12.58	12.70	12.93	12.86	12.62	12.56	11.91	11.36	11.29	11.59	11.92	12.19
27	12.60	12.70	12.93	12.80	12.62	12.52	11.86	11.27	11.30	11.62	11.93	12.20
28	12.60	12.70	12.93	12.75	12.62	12.50	11.81	11.20	11.32	11.64	11.93	12.21
29	12.60	---	12.93	12.74	12.62	12.49	11.77	11.13	11.34	11.66	11.95	12.22
30	12.61	---	12.93	12.72	12.62	12.47	11.73	11.08	11.38	11.67	11.98	12.23
31	12.63	---	12.93	---	12.62	---	11.69	11.04	---	11.69	---	12.24
HIGHEST	12.26	12.63	12.70	12.72	12.60	12.47	11.69	11.04	10.94	11.31	11.71	11.99

CAL YR 1986 HIGH 10.94

# Highest Daily Water Level in Well P-251, 1987

STATION NUMBER 644400147151501 FD00200224ABBB1 001  
WATER LEVEL, IN FEET BELOW LAND SURFACE  
HIGHEST DAILY WATER LEVEL

1

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	12.24	12.63	12.86	12.93	12.88	13.17	12.87	12.23	12.19	12.58	13.11	13.27
2	12.26	12.63	12.86	12.93	12.89	13.16	12.87	12.21	12.20	12.59	13.13	13.27
3	12.28	12.63	12.86	12.93	12.89	13.16	12.88	12.19	12.21	12.61	13.14	13.27
4	12.28	12.63	12.86	12.93	12.89	13.16	12.87	12.17	12.22	12.64	13.16	13.27
5	12.30	12.63	12.86	12.93	12.90	13.16	12.87	12.16	12.25	12.65	13.18	13.28
6	12.32	12.63	12.86	12.92	12.90	13.15	12.86	12.16	12.27	12.67	13.19	13.28
7	12.33	12.66	12.87	12.92	12.93	13.15	12.85	12.15	12.27	12.69	13.21	13.28
8	12.34	12.66	12.88	12.92	12.93	13.15	12.84	12.14	12.28	12.71	13.22	13.28
9	12.35	12.66	12.88	12.92	12.94	13.14	12.82	12.12	12.29	12.73	13.24	13.30
10	12.37	12.70	12.88	12.92	12.98	13.10	12.80	12.12	12.29	12.75	13.25	13.31
11	12.39	12.71	12.88	12.92	12.98	13.09	12.80	12.11	12.29	12.77	13.26	13.31
12	12.41	12.71	12.88	12.91	12.98	13.08	12.77	12.11	12.29	12.78	13.27	13.32
13	12.41	12.72	12.88	12.90	12.99	13.08	12.75	12.11	12.29	12.79	13.29	13.32
14	12.43	12.73	12.89	12.90	12.99	13.07	12.73	12.11	12.31	12.81	13.29	13.33
15	12.44	12.74	12.89	12.90	12.99	13.06	12.70	12.10	12.31	12.83	13.29	13.34
16	12.45	12.75	12.89	12.90	13.00	13.04	12.68	12.10	12.32	12.85	13.30	13.34
17	12.47	12.76	12.89	12.90	13.00	13.03	12.65	12.10	12.33	12.86	13.30	13.34
18	12.49	12.76	12.89	12.90	13.06	13.02	12.62	12.10	12.33	12.89	13.30	13.35
19	12.50	12.77	12.89	12.89	13.06	13.00	12.58	12.10	12.35	12.90	13.30	13.35
20	12.50	12.78	12.89	12.89	13.07	12.99	12.56	12.09	12.38	12.92	13.30	13.35
21	12.52	12.78	12.89	12.89	13.11	12.98	12.52	12.09	12.40	12.93	13.30	13.36
22	12.53	12.81	12.89	12.89	13.11	12.97	12.49	12.09	12.42	12.95	13.28	13.37
23	12.53	12.81	12.90	12.89	13.13	12.96	12.46	12.09	12.43	12.96	13.28	13.37
24	12.54	12.81	12.90	12.89	13.14	12.95	12.43	12.09	12.45	12.98	13.28	13.37
25	12.55	12.81	12.90	12.89	13.14	12.94	12.40	12.09	12.47	13.00	13.28	13.37
26	12.57	12.81	12.90	12.88	13.14	12.92	12.37	12.09	12.48	13.02	13.27	13.37
27	12.58	12.81	12.90	12.88	13.15	12.91	12.34	12.10	12.50	13.04	13.27	13.38
28	12.59	12.86	12.94	12.88	13.17	12.90	12.32	12.12	12.52	13.05	13.27	13.38
29	12.60	---	12.94	12.88	13.17	12.88	12.30	12.16	12.54	13.07	13.27	13.38
30	12.61	---	12.94	12.88	13.16	12.88	12.28	12.17	12.55	13.09	13.27	13.38
31	12.63	---	12.94	---	13.16	---	12.25	12.18	---	13.10	---	13.40
HIGHEST	12.24	12.63	12.86	12.88	12.88	12.88	12.25	12.09	12.19	12.58	13.11	13.27
CAL YR 1987	HIGH 12.09											

# Highest Daily Water Level in Well P-251, 1988

STATION NUMBER 644400147151501 FD00200224ABBB1 001

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	13.40	13.61	13.68	---	13.35	13.04	12.21	11.78	11.81	12.18	12.45	12.36
2	13.40	13.61	13.67	13.57	13.35	13.03	12.19	11.77	11.83	12.20	12.43	12.37
3	13.40	13.61	13.67	13.57	13.35	13.00	12.17	11.75	11.85	12.20	12.42	12.36
4	13.40	13.63	13.67	13.56	13.35	12.99	12.15	11.75	11.85	12.22	12.40	12.36
5	13.42	13.63	13.66	13.56	13.35	12.98	12.13	11.75	11.86	12.24	12.38	12.38
6	13.42	13.63	13.66	13.56	13.35	12.94	12.12	11.75	11.86	12.25	12.37	12.40
7	13.42	13.63	13.66	13.56	13.36	12.93	12.11	11.74	11.88	12.27	12.35	12.39
8	13.43	13.65	13.65	13.55	13.36	12.91	12.08	11.74	11.89	12.27	12.35	12.37
9	13.44	13.65	13.65	13.55	13.37	12.88	12.06	11.73	11.91	12.31	12.34	12.37
10	13.44	13.65	13.65	13.55	13.37	12.87	12.03	11.71	11.91	12.33	12.33	12.37
11	13.45	13.65	13.64	13.55	13.37	12.86	12.01	11.71	11.91	12.34	12.33	12.37
12	13.45	13.65	13.64	13.55	13.37	12.85	11.98	11.71	11.94	12.34	12.33	12.37
13	13.46	13.66	13.64	13.54	13.37	12.83	11.96	11.70	11.96	12.36	12.31	12.39
14	13.47	13.66	13.63	13.54	13.38	12.79	11.95	11.69	11.98	12.38	12.31	12.40
15	13.47	13.67	13.63	13.54	13.38	12.77	11.94	11.68	11.98	12.39	12.31	12.40
16	13.47	13.67	13.62	13.54	13.37	12.74	11.93	11.67	12.00	12.40	12.31	12.39
17	13.48	13.68	13.62	13.53	13.30	12.71	11.92	11.67	12.02	12.43	12.31	12.39
18	13.50	13.69	13.62	13.53	13.27	12.67	11.90	11.68	12.03	12.44	12.31	12.39
19	13.50	13.70	13.61	13.53	13.23	12.64	11.88	11.68	12.04	12.45	12.30	12.39
20	13.51	13.69	13.61	13.53	13.22	12.60	11.86	11.68	12.04	12.46	12.29	12.39
21	13.52	13.69	13.61	13.53	13.19	12.55	11.85	11.70	12.08	12.47	12.29	12.39
22	13.53	13.68	13.60	13.52	13.18	12.51	11.84	11.70	12.10	12.49	12.29	12.39
23	13.55	13.68	13.60	13.42	13.16	12.48	11.82	11.72	12.11	12.50	12.29	12.39
24	13.55	13.68	13.60	13.37	13.15	12.45	11.81	11.75	12.12	12.53	12.31	12.39
25	13.56	13.68	13.59	13.37	13.14	12.41	11.80	11.75	12.13	12.53	12.32	12.39
26	13.58	13.69	---	13.36	13.12	12.38	11.80	11.75	12.15	12.53	12.33	12.39
27	13.58	13.69	---	13.36	13.10	12.35	11.78	11.77	12.16	12.53	12.33	12.39
28	13.58	13.68	---	13.36	13.09	12.30	11.79	11.78	12.18	12.51	12.33	12.39
29	13.58	13.68	---	13.36	13.09	12.27	11.78	11.78	12.19	12.50	12.34	12.39
30	13.59	---	---	13.36	13.08	12.24	11.78	11.80	12.22	12.50	12.34	12.38
31	13.61	---	---	---	13.07	---	11.78	11.81	---	12.47	---	12.38
HIGHEST	13.40	13.61	---	---	13.07	12.24	11.78	11.67	11.81	12.18	12.29	12.36

## Highest Daily Water Level in Well P-251, 1989

STATION NUMBER 644400147151501 FD00200224ABBB1 001  
WATER LEVEL, IN FEET BELOW LAND SURFACE  
HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	12.38	12.57	12.60	12.59	11.85	11.74	11.41	11.14	11.36	11.87	---	---
2	12.39	12.57	12.60	12.59	11.80	11.75	11.35	11.14	11.37	11.88	---	---
3	12.39	12.58	12.60	12.59	11.75	11.75	11.30	11.14	11.41	11.90	---	---
4	12.41	12.58	12.60	12.59	11.73	11.75	11.27	11.15	11.44	11.92	---	---
5	12.41	12.58	12.60	12.59	11.73	11.77	11.24	11.16	11.46	11.93	---	---
6	12.42	12.58	12.60	12.59	11.67	11.78	11.21	11.14	11.49	11.95	---	---
7	12.42	12.59	12.60	12.65	11.67	11.79	11.20	11.13	11.51	11.96	---	---
8	12.42	12.59	12.60	12.65	11.67	11.79	11.18	11.13	11.53	11.99	---	---
9	12.42	12.59	12.60	12.65	11.64	11.79	11.17	11.13	11.54	12.02	---	---
10	12.42	12.60	12.60	12.65	11.62	11.79	11.16	11.15	11.54	12.03	---	---
11	12.42	12.60	12.60	12.65	11.61	11.79	11.15	11.16	11.57	12.04	---	---
12	12.42	12.60	12.60	12.65	11.60	11.80	11.15	11.17	11.59	12.07	---	---
13	12.44	12.60	12.60	12.64	11.59	11.80	11.14	11.19	11.61	12.08	---	---
14	12.44	12.60	12.60	12.64	11.58	11.81	11.13	11.19	11.63	12.10	---	---
15	12.44	12.60	12.60	12.64	11.58	11.81	11.13	11.19	11.64	12.12	---	---
16	12.44	12.60	12.60	12.64	11.60	11.84	11.13	11.18	11.64	12.14	---	---
17	12.44	12.60	12.59	12.61	11.60	11.85	11.13	11.18	11.64	12.15	---	---
18	12.44	12.60	12.59	12.61	11.60	11.85	11.12	11.18	11.66	12.17	---	---
19	12.46	12.60	12.59	12.61	11.60	11.86	11.12	11.18	11.68	12.19	---	---
20	12.46	12.60	12.59	12.61	11.64	11.87	11.11	11.20	11.69	12.20	---	---
21	12.47	12.60	12.59	12.61	11.65	11.88	11.11	11.21	11.71	12.23	---	---
22	12.47	12.60	12.59	12.60	11.65	11.89	11.11	11.22	11.72	12.25	---	---
23	12.47	12.60	12.59	12.60	11.65	11.91	11.11	11.22	11.73	12.26	---	---
24	12.48	12.60	12.59	12.60	11.65	11.88	11.11	11.25	11.74	12.28	---	---
25	12.49	12.60	12.59	12.23	11.65	11.78	11.10	11.27	11.76	---	---	---
26	12.50	12.60	12.59	12.15	11.66	11.68	11.10	11.28	11.80	---	---	---
27	12.51	12.60	12.59	12.06	11.67	11.62	11.10	11.30	11.82	---	---	---
28	12.51	12.60	12.59	12.02	11.68	11.56	11.10	11.31	11.83	---	---	---
29	12.53	---	12.59	11.96	11.71	11.51	11.11	11.32	11.85	---	---	---
30	12.54	---	12.59	11.91	11.71	11.46	11.11	11.33	11.86	---	---	---
31	12.55	---	12.59	---	11.73	---	11.14	11.35	---	---	---	---
HIGHEST	12.38	12.57	12.59	11.91	11.58	11.46	11.10	11.13	11.36	---	---	---

# Highest Daily Water Level in Well P-251, 1990

STATION NUMBER 644400147151501 FD00200224ABBB1 001

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	12.57	12.72	12.73	11.61	11.74	11.86	11.55	11.46	11.26	11.98	11.98
2	---	12.57	12.72	12.73	11.60	11.77	11.87	11.55	11.45	11.27	12.00	11.98
3	---	12.57	12.72	12.73	11.59	11.78	11.89	11.55	11.43	11.28	12.03	11.98
4	---	12.57	12.72	12.73	11.59	11.79	11.89	11.56	11.42	11.30	12.03	11.98
5	---	12.58	12.72	12.73	11.59	11.78	11.89	11.58	11.39	11.30	12.04	11.98
6	---	12.59	12.72	12.72	11.58	11.76	11.90	11.59	11.38	11.32	12.04	11.98
7	---	12.60	12.72	12.72	11.58	11.74	11.90	11.61	11.35	11.35	12.04	12.00
8	---	12.60	12.72	12.69	11.58	11.72	11.89	11.61	11.33	11.36	12.04	12.01
9	---	12.60	12.72	12.67	11.58	11.71	11.85	11.61	11.30	11.42	12.04	12.03
10	---	12.61	12.72	12.67	11.58	11.70	11.82	11.62	11.29	11.43	12.04	12.03
11	---	12.63	12.72	12.66	11.58	11.70	11.76	11.63	11.27	11.43	12.03	12.03
12	12.49	12.63	12.72	12.60	11.58	11.70	11.70	11.64	11.25	11.45	11.99	12.04
13	12.49	12.63	12.72	12.59	11.58	11.69	11.65	11.66	11.23	11.49	11.99	12.04
14	12.48	12.65	12.73	12.57	11.59	11.70	11.61	11.67	11.22	11.52	11.99	12.06
15	12.50	12.66	12.73	12.54	11.59	11.68	11.59	11.67	11.21	11.55	11.99	12.06
16	12.51	12.66	12.73	12.51	11.59	11.67	11.58	11.67	11.19	11.58	12.00	12.06
17	12.51	12.66	12.74	12.49	11.59	11.67	11.57	11.67	11.18	11.61	12.01	12.06
18	12.52	12.67	12.74	12.45	11.59	11.67	11.56	11.69	11.18	11.62	12.01	12.08
19	12.52	12.67	12.74	12.41	11.59	11.68	11.56	11.68	11.17	11.65	12.02	12.08
20	12.52	12.67	12.74	12.34	11.60	11.68	11.56	11.68	11.17	11.66	12.02	12.10
21	12.52	12.68	12.74	12.26	11.61	11.69	11.56	11.68	11.17	11.66	12.02	12.11
22	12.53	12.68	12.74	12.17	11.62	11.71	11.56	11.65	11.16	11.73	12.02	12.12
23	12.54	12.69	12.74	12.08	11.63	11.72	11.56	11.64	11.16	11.75	12.01	12.12
24	12.54	12.69	12.74	11.97	11.64	11.74	11.56	11.64	11.16	11.77	12.00	12.13
25	12.54	12.70	12.74	11.86	11.65	11.76	11.56	11.61	11.18	11.80	11.97	12.13
26	12.54	12.70	12.74	11.77	11.66	11.78	11.58	11.57	11.20	11.84	11.97	12.14
27	12.54	12.71	12.74	11.71	11.67	11.80	11.56	11.54	11.19	11.85	11.98	12.14
28	12.55	12.71	12.74	11.68	11.68	11.82	11.56	11.53	11.19	11.87	11.98	12.14
29	12.56	---	12.74	11.64	11.70	11.83	11.56	11.51	11.20	11.91	11.98	12.14
30	12.56	---	12.73	11.62	11.73	11.84	11.56	11.50	11.23	11.93	11.98	12.15
31	12.57	---	12.73	---	11.74	---	11.56	11.48	---	11.96	---	12.15
HIGHEST	---	12.57	12.72	11.62	11.58	11.67	11.56	11.48	11.16	11.26	11.97	11.98

## Highest Daily Water Level in Well P-251, 1991

STATION NUMBER 644400147151501 FD00200224ABBB1 001

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	12.15	12.23	12.36	12.44	11.33	8.81	10.13	10.95	11.35	11.73	12.29	12.47
2	12.15	12.22	12.37	12.44	11.13	8.87	10.18	10.98	11.35	11.75	12.31	12.47
3	12.15	12.22	12.37	12.44	10.96	8.93	10.21	10.99	11.36	11.76	12.33	12.47
4	12.16	12.22	12.37	12.44	10.73	8.99	10.23	10.99	11.38	11.77	12.35	12.47
5	12.16	12.22	12.38	12.44	10.44	9.03	10.26	11.02	11.39	11.79	12.38	12.47
6	12.16	12.24	12.38	12.44	10.20	9.08	10.28	11.04	11.42	11.81	12.39	12.47
7	12.16	12.25	12.38	12.44	9.99	9.12	10.30	11.04	11.45	11.82	12.41	12.47
8	12.17	12.26	12.39	12.44	9.82	9.16	10.32	11.03	11.47	11.84	12.41	12.47
9	12.17	12.26	12.41	12.44	9.66	9.19	10.35	11.05	11.48	11.85	12.41	12.47
10	12.17	12.26	12.41	12.45	9.39	9.22	10.38	11.06	11.50	11.85	12.42	12.47
11	12.17	12.26	12.41	12.45	9.00	9.26	10.40	11.07	11.52	11.87	12.42	12.47
12	12.17	12.27	12.42	12.45	8.66	9.33	10.43	11.09	11.53	11.89	12.42	12.47
13	12.17	12.27	12.42	12.45	8.44	9.36	10.45	11.12	11.53	11.91	12.43	12.47
14	12.17	12.27	12.43	12.45	8.29	9.41	10.50	11.12	11.53	11.93	12.43	12.48
15	12.17	12.28	12.43	12.45	8.21	9.47	10.52	11.15	11.53	11.96	12.43	12.48
16	12.17	12.28	12.45	12.43	8.18	9.51	10.53	11.17	11.53	11.97	12.43	12.49
17	12.17	12.29	12.45	12.43	8.16	9.54	10.57	11.18	11.53	11.99	12.43	12.49
18	12.19	12.29	12.45	12.41	8.15	9.59	10.60	11.20	11.54	12.01	12.43	12.50
19	12.19	12.29	12.46	12.38	8.15	9.64	10.62	11.21	11.55	12.03	12.43	12.50
20	12.20	12.31	12.46	12.35	8.19	9.69	10.65	11.21	11.57	12.05	12.43	12.50
21	12.21	12.31	12.46	12.32	8.24	9.73	10.69	11.22	11.59	12.08	12.44	12.50
22	12.21	12.32	12.47	12.29	8.30	9.77	10.72	11.23	11.59	12.09	12.45	12.50
23	12.21	12.32	12.49	12.22	8.35	9.82	10.75	11.24	11.60	12.12	12.46	12.50
24	12.22	12.33	12.49	12.15	8.39	9.87	10.77	11.24	11.62	12.13	12.46	12.50
25	12.22	12.34	12.49	12.06	8.41	9.91	10.80	11.24	11.64	12.16	12.46	12.51
26	12.22	12.35	12.48	11.99	8.48	9.94	10.83	11.25	11.64	12.18	12.46	12.52
27	12.23	12.35	12.46	11.91	8.53	9.99	10.85	11.26	11.65	12.19	12.47	12.52
28	12.23	12.36	12.44	11.79	8.55	10.03	10.86	11.28	11.68	12.21	12.47	12.53
29	12.23	---	12.44	11.66	8.61	10.06	10.89	11.31	11.69	12.23	12.47	12.53
30	12.23	---	12.44	11.53	8.67	10.10	10.91	11.32	11.70	12.26	12.47	12.54
31	12.24	---	12.44	---	8.71	---	10.93	11.33	---	12.28	---	12.54
HIGHEST	12.15	12.22	12.36	11.53	8.15	8.81	10.13	10.95	11.35	11.73	12.29	12.47
CAL YR 1991 HIGH 8.15												

# Highest Daily Water Level in Well P-251, 1992

STATION NUMBER 644400147151501 FD00200224ABBB1 001

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	12.54	12.71	12.77	12.81	12.40	7.33	7.68	9.61	10.65	11.44	12.13	---
2	12.55	12.72	12.77	12.81	12.40	6.64	7.74	9.64	10.69	11.47	12.15	---
3	12.55	12.73	12.77	12.81	12.38	6.04	7.82	9.68	10.73	11.52	12.17	---
4	12.56	12.73	12.78	12.81	12.30	5.50	7.91	9.72	10.77	11.55	12.17	---
5	12.56	12.73	12.78	12.81	12.26	5.08	8.00	9.75	10.80	11.59	12.18	---
6	12.56	12.74	12.78	12.81	12.23	4.96	8.08	9.79	10.83	11.60	12.19	---
7	12.57	12.75	12.78	12.81	12.20	4.84	8.20	9.83	10.87	11.62	---	---
8	12.58	12.75	12.78	12.81	12.18	4.85	8.28	9.88	10.91	11.64	---	---
9	12.58	12.75	12.78	12.81	12.17	4.98	8.36	9.91	10.94	11.67	---	---
10	12.59	12.76	12.78	12.81	12.15	5.29	8.43	9.95	10.98	11.69	---	---
11	12.60	12.76	12.78	12.81	12.11	5.50	8.48	9.97	11.02	11.73	---	---
12	12.61	12.76	12.78	12.81	12.08	5.71	8.54	10.00	11.05	11.74	---	---
13	12.61	12.76	12.78	12.81	12.04	5.86	8.62	10.03	11.07	11.77	---	---
14	12.61	12.76	12.78	12.81	11.97	6.03	8.67	10.08	11.09	11.80	---	---
15	12.63	12.76	12.78	12.81	11.94	6.18	8.76	10.10	11.11	11.82	---	---
16	12.63	12.76	12.78	12.81	11.90	6.30	8.81	10.14	11.14	11.84	---	---
17	12.63	12.76	12.78	12.81	11.86	6.39	8.88	10.18	11.15	11.87	---	---
18	12.63	12.77	12.78	12.81	11.83	6.48	8.96	10.22	11.16	11.89	---	---
19	12.64	12.77	12.78	12.81	11.81	6.59	9.00	10.25	11.19	11.90	---	---
20	12.65	12.77	12.78	12.81	11.79	6.72	9.04	10.26	11.22	11.92	---	---
21	12.65	12.77	12.78	12.81	11.75	6.80	9.08	10.28	11.24	11.95	---	---
22	12.66	12.77	12.81	12.81	11.72	6.95	9.14	10.30	11.26	11.97	---	---
23	12.67	12.77	12.81	12.81	11.67	7.03	9.20	10.34	11.28	12.01	---	---
24	12.67	12.77	12.81	12.81	11.63	7.09	9.25	10.37	11.30	12.02	---	---
25	12.67	12.77	12.81	12.80	11.59	7.17	9.30	10.41	11.33	12.03	---	---
26	12.67	12.77	12.81	12.80	11.58	7.20	9.35	10.45	11.34	12.05	---	---
27	12.68	12.77	12.81	12.79	11.57	7.27	9.40	10.49	11.34	12.07	---	---
28	12.68	12.77	12.81	12.54	11.51	7.35	9.45	10.53	11.37	12.08	---	---
29	12.68	12.77	12.81	12.49	10.67	7.45	9.49	10.56	11.41	12.09	---	---
30	12.70	---	12.81	12.43	9.27	7.56	9.55	10.59	11.43	12.12	---	---
31	12.71	---	12.81	---	8.14	---	9.58	10.61	---	12.12	---	---
HIGHEST	12.54	12.71	12.77	12.43	8.14	4.84	7.68	9.61	10.65	11.44	---	---



# Highest Daily Water Level in Well P-251, 1993

STATION NUMBER 644400147151501 FD00200224ABBB1 001

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	---	---	---	---	---	11.90	11.87	---	12.70
2	---	---	---	12.71	---	---	11.60	---	11.90	11.87	---	12.70
3	---	---	---	---	---	---	11.61	---	11.89	11.89	---	12.70
4	---	---	---	---	---	---	---	---	11.89	11.89	---	12.71
5	---	---	---	---	---	---	---	---	11.86	11.90	---	12.71
6	---	---	---	---	---	---	---	---	11.86	11.91	---	12.71
7	---	---	---	---	10.99	---	---	---	11.85	11.91	---	12.71
8	---	---	---	---	---	---	---	---	11.85	11.94	---	12.68
9	---	---	---	12.67	---	---	---	---	11.85	11.95	---	12.67
10	---	---	---	---	---	---	---	---	11.85	11.95	---	12.66
11	---	---	---	---	---	---	---	---	11.85	11.95	---	12.66
12	---	---	---	---	---	---	---	---	11.85	11.96	---	12.66
13	12.33	---	---	---	---	---	---	---	11.85	11.96	---	12.66
14	---	---	---	---	---	---	---	---	11.85	11.97	---	12.66
15	---	---	---	---	---	---	---	---	11.85	12.02	---	12.66
16	---	---	---	---	---	---	---	---	11.85	12.03	---	12.65
17	---	---	---	---	---	---	---	---	11.85	12.03	---	12.65
18	---	---	---	---	---	---	---	11.80	11.85	12.04	---	12.65
19	---	12.55	---	---	---	---	---	11.82	11.83	12.06	---	12.66
20	---	---	---	---	---	---	---	11.82	11.79	12.07	---	12.66
21	---	---	---	---	---	---	---	11.83	11.79	12.07	---	12.66
22	---	---	---	11.92	---	---	---	11.84	11.79	12.08	12.69	12.66
23	---	---	---	---	---	---	---	11.85	11.79	12.09	12.69	12.66
24	---	---	---	---	---	---	---	11.86	11.80	12.10	12.69	12.66
25	---	---	---	---	---	---	---	11.86	11.80	12.10	12.69	12.66
26	---	---	---	---	---	---	---	11.86	11.80	12.11	12.70	12.67
27	---	---	---	---	---	---	---	11.86	11.82	12.13	12.70	12.67
28	---	---	---	---	---	---	---	11.87	11.84	12.13	12.70	12.67
29	---	---	---	---	---	11.58	---	11.88	11.84	12.13	12.70	12.67
30	---	---	---	---	---	---	---	11.89	11.86	12.15	12.70	12.67
31	---	---	---	---	---	---	---	11.89	---	---	---	12.67
HIGHEST	---	---	---	---	---	---	---	---	11.79	---	---	12.65

## Highest Daily Water Level in Well P-252, 1986

STATION NUMBER 644528147131201 FD00200307ACBD1 001

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9.18	9.81	10.27	10.70	10.85	10.18	9.51	7.49	6.15	7.41	7.85	8.63
2	9.19	9.83	10.30	10.72	10.83	10.17	9.49	7.48	6.17	7.46	7.86	8.65
3	9.20	9.84	10.32	10.72	10.82	10.15	9.48	7.48	6.26	7.46	7.89	8.69
4	9.23	9.87	10.33	10.74	10.79	10.13	9.46	7.48	6.32	7.47	7.94	8.71
5	9.26	9.88	10.35	10.74	10.75	10.11	9.46	7.49	6.40	7.52	7.97	8.72
6	9.28	9.90	10.36	10.75	10.71	10.11	9.44	7.49	6.45	7.57	8.01	8.74
7	9.29	9.91	10.36	10.78	10.68	10.10	9.44	7.49	6.49	7.61	8.05	8.77
8	9.31	9.91	10.36	10.80	10.65	10.10	9.44	7.49	6.52	7.64	8.06	8.81
9	9.34	9.93	10.36	10.81	10.63	10.10	9.44	7.49	6.58	7.68	8.07	8.82
10	9.36	9.97	10.39	10.82	10.60	10.09	9.44	7.49	6.64	7.71	8.09	8.83
11	9.38	9.97	10.41	10.83	10.59	10.08	9.44	7.53	6.72	7.66	8.13	8.86
12	9.40	9.98	10.42	10.84	10.57	10.07	9.44	7.57	6.76	7.60	8.16	8.88
13	9.42	10.05	10.45	10.85	10.55	10.05	9.46	7.61	6.79	7.56	8.19	8.92
14	9.42	10.07	10.46	10.87	10.54	10.04	9.48	7.67	6.82	7.50	8.21	8.93
15	9.46	10.07	10.49	10.87	10.47	10.02	9.51	7.71	6.85	7.50	8.22	8.94
16	9.50	10.09	10.50	10.88	10.44	10.00	9.53	7.75	6.89	7.50	8.25	8.98
17	9.52	10.10	10.51	10.90	10.44	9.99	9.55	7.78	6.92	7.50	8.29	9.00
18	9.53	10.12	10.52	10.91	10.44	9.98	9.57	7.82	6.94	7.50	8.31	9.03
19	9.55	10.15	10.53	10.92	10.43	9.97	9.59	7.87	7.00	7.51	8.32	9.06
20	9.58	10.16	10.55	10.92	10.36	9.95	9.50	7.92	7.03	7.51	8.34	9.08
21	9.59	10.16	10.55	10.93	10.36	9.94	9.45	7.88	7.05	7.51	8.34	9.09
22	9.62	10.18	10.56	10.93	10.35	9.94	9.34	7.86	7.10	7.51	8.37	9.13
23	9.64	10.19	10.58	---	10.32	9.94	9.04	7.66	7.12	7.55	8.39	9.15
24	9.66	10.20	10.58	---	10.29	9.93	8.66	7.11	7.17	7.61	8.41	9.17
25	9.67	10.20	10.59	---	10.28	9.92	8.32	6.70	7.20	7.66	8.44	9.18
26	9.71	10.21	10.60	---	10.27	9.87	8.05	6.40	7.25	7.69	8.48	9.18
27	9.74	10.24	10.61	---	10.26	9.74	7.86	6.27	7.29	7.71	8.51	9.19
28	9.76	10.25	10.62	10.95	10.25	9.64	7.69	6.19	7.32	7.74	8.52	9.24
29	9.78	---	10.64	10.93	10.22	9.59	7.59	6.15	7.36	7.77	8.53	9.27
30	9.79	---	10.67	10.87	10.21	9.55	7.54	6.14	7.41	7.80	8.57	9.30
31	9.79	---	10.68	---	10.19	---	7.50	6.15	---	7.83	---	9.33
HIGHEST	9.18	9.81	10.27	---	10.19	9.55	7.50	6.14	6.15	7.41	7.85	8.63

## Highest Daily Water Level in Well P-252, 1987

STATION NUMBER 644528147131201 FD00200307ACBD1 001

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9.34	9.92	10.37	10.70	10.83	10.86	---	10.54	10.26	10.28	10.65	10.96
2	9.36	9.93	10.38	10.71	10.83	10.86	10.67	10.53	10.26	10.28	10.66	11.00
3	9.39	9.94	10.39	10.72	10.83	10.86	10.66	10.52	10.25	10.28	10.67	11.00
4	9.41	9.95	10.40	10.72	10.83	10.86	10.66	10.50	10.25	10.29	10.69	11.00
5	9.42	9.97	10.41	10.75	10.83	10.86	10.66	10.49	10.25	10.32	10.70	11.00
6	9.43	10.01	10.42	10.76	10.83	10.86	10.66	10.47	10.25	10.33	10.71	11.01
7	9.45	10.03	10.44	10.76	10.83	10.86	10.66	10.47	10.25	10.34	10.72	11.01
8	9.49	10.05	10.46	10.76	10.84	10.85	10.66	10.47	10.26	10.35	10.74	11.01
9	9.49	10.07	10.47	10.77	10.84	10.83	10.65	10.46	10.26	10.36	10.76	11.02
10	9.52	10.08	10.48	10.78	10.84	10.81	10.65	10.45	10.26	10.37	10.77	11.03
11	9.54	10.10	10.49	10.78	10.84	10.80	10.65	10.43	10.26	10.37	10.78	11.04
12	9.59	10.12	10.50	10.78	10.84	10.79	10.65	10.43	10.26	10.39	10.79	11.05
13	9.59	10.13	10.51	10.78	10.84	10.79	10.65	10.42	10.26	10.40	10.80	11.07
14	9.62	10.14	10.53	10.80	10.84	10.79	10.64	10.41	10.26	10.41	10.81	11.07
15	9.64	10.16	10.55	10.81	10.84	10.79	10.64	10.41	10.27	10.41	10.82	11.07
16	9.64	10.17	10.55	10.81	10.84	10.77	10.64	10.41	10.27	10.44	10.83	11.07
17	9.66	10.19	10.56	10.82	10.84	10.75	10.64	10.40	10.26	10.46	10.84	11.08
18	9.68	10.20	10.57	10.82	10.84	10.75	10.66	10.39	10.26	10.48	10.84	11.08
19	9.71	10.22	10.58	10.83	10.84	10.74	10.66	10.38	10.26	10.50	10.85	11.08
20	9.72	10.23	10.59	10.83	10.84	10.73	10.66	10.37	10.26	10.50	10.86	11.09
21	9.75	10.25	10.59	10.83	10.84	10.72	10.66	10.36	10.27	10.52	10.87	11.10
22	9.76	10.26	10.60	10.83	10.84	10.71	10.66	10.35	10.27	10.53	10.89	11.11
23	9.77	10.28	10.61	---	10.84	10.71	10.66	10.33	10.27	10.53	10.90	11.12
24	9.78	10.29	10.62	---	10.84	10.71	10.65	10.32	10.27	10.54	10.90	11.12
25	9.80	10.31	10.63	---	10.84	10.71	10.65	10.30	10.27	10.56	10.91	11.12
26	9.83	10.33	10.64	---	10.84	10.71	10.64	10.29	10.27	10.58	10.92	11.13
27	9.84	10.35	10.66	---	10.84	10.71	10.62	10.29	10.27	10.60	10.92	11.14
28	9.87	10.37	10.68	---	10.84	10.71	10.60	10.26	10.28	10.61	10.93	11.15
29	9.88	---	10.68	---	10.86	10.70	10.58	10.26	10.28	10.61	10.95	11.17
30	9.89	---	10.68	10.83	10.86	---	10.56	10.26	10.28	10.62	10.96	11.17
31	9.92	---	10.69	---	10.86	---	10.55	10.26	---	10.63	---	11.19
HIGHEST	9.34	9.92	10.37	---	10.83	---	---	10.26	10.25	10.28	10.65	10.96

# Highest Daily Water Level in Well P-252, 1988

STATION NUMBER 644528147131201 FD00200307ACBD1 001

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11.19	11.35	11.50	---	11.59	11.06	---	---	---	9.87	10.11	10.27
2	11.19	11.36	11.50	11.62	11.58	11.06	---	---	---	9.88	10.11	10.28
3	11.21	11.38	11.50	11.62	11.56	11.01	---	---	---	9.88	10.12	10.28
4	11.21	11.39	11.51	11.62	11.53	10.99	---	---	---	9.88	10.13	10.28
5	11.21	11.38	11.51	11.62	11.53	10.97	---	---	---	9.88	10.15	10.29
6	11.22	11.38	11.51	11.61	11.52	10.96	---	---	---	9.89	10.15	10.32
7	11.22	11.38	11.52	11.61	11.50	10.95	---	---	---	9.91	10.14	10.34
8	11.23	11.39	11.52	11.62	11.49	10.94	---	---	---	9.91	10.15	10.34
9	11.24	11.39	11.53	11.62	11.49	10.93	---	---	---	9.93	10.16	10.34
10	11.23	11.39	11.53	11.62	11.48	10.92	---	---	---	9.96	10.17	10.34
11	11.24	11.39	11.54	11.62	11.46	10.92	---	---	---	9.97	10.17	10.34
12	11.24	11.40	11.54	11.63	11.43	10.92	---	---	---	9.97	10.17	10.34
13	11.24	11.41	11.54	11.63	11.40	10.91	---	---	---	9.97	10.19	10.35
14	11.24	11.41	11.54	11.63	11.40	10.91	---	---	---	9.98	10.19	10.36
15	11.24	11.41	11.55	11.63	11.38	10.90	---	---	---	9.99	10.19	10.36
16	11.25	11.42	11.55	11.63	11.32	10.86	---	---	---	10.00	10.20	10.37
17	11.26	11.42	11.57	11.63	11.32	10.82	---	---	---	10.01	10.22	10.37
18	11.26	---	11.58	11.64	11.29	10.79	---	---	---	10.03	10.23	10.38
19	11.27	11.45	11.58	11.64	11.28	10.75	---	---	---	10.03	10.22	10.38
20	11.27	11.45	11.58	11.64	11.26	10.72	---	---	---	10.04	10.22	10.38
21	11.28	11.45	11.58	11.64	11.25	10.67	---	---	---	10.05	10.22	10.39
22	11.29	11.46	11.58	11.64	11.23	10.63	---	---	---	10.05	10.22	10.40
23	11.29	11.46	11.58	11.64	11.22	10.60	---	---	---	10.05	10.23	10.41
24	11.31	11.47	11.58	11.64	11.21	---	---	---	---	10.07	10.24	10.42
25	11.31	11.47	11.58	11.64	11.19	---	---	---	---	10.10	10.25	10.43
26	11.32	11.48	11.58	11.63	11.16	---	---	---	---	10.11	10.25	10.43
27	11.33	11.48	11.59	11.62	11.14	---	---	---	---	10.12	10.25	10.43
28	11.33	11.48	11.59	11.60	11.12	---	---	---	---	10.12	10.25	10.43
29	11.34	11.49	11.59	11.60	11.11	---	---	---	---	10.12	10.26	10.43
30	11.34	---	11.59	11.60	11.09	---	---	---	---	10.12	10.27	10.42
31	11.35	---	11.59	---	11.08	---	---	---	---	10.11	---	10.44
HIGHEST	11.19	---	11.50	---	11.08	---	---	---	---	9.87	10.11	10.27

## Highest Daily Water Level in Well P-252, 1989

STATION NUMBER 644528147131201 FD00200307ACBD1 001

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	10.44	10.63	10.77	10.88	10.45	9.50	8.19	8.21	8.90	9.36	9.76	10.08
2	10.44	10.64	10.77	10.88	10.41	9.50	7.98	8.22	8.91	9.37	9.76	10.08
3	10.44	10.64	10.77	10.88	10.34	9.48	7.83	8.24	8.93	9.38	9.77	10.08
4	10.45	10.64	10.78	10.88	10.29	9.48	7.75	8.28	8.97	9.38	9.78	10.09
5	10.45	10.65	10.78	10.88	10.23	9.49	7.68	8.32	8.99	9.38	9.78	10.10
6	10.45	10.66	10.78	10.88	10.17	9.49	7.64	8.33	9.02	9.38	9.79	10.13
7	10.45	10.66	10.78	10.90	10.11	9.49	7.63	8.35	9.04	9.38	9.82	10.14
8	10.46	10.67	10.79	10.90	10.06	9.49	7.62	8.36	9.06	9.39	9.83	10.14
9	10.47	10.67	10.81	10.90	10.01	9.49	7.62	8.39	9.07	9.42	9.83	10.16
10	10.47	10.67	10.81	10.90	9.93	9.49	7.62	8.42	9.07	9.43	9.85	10.17
11	10.47	10.67	10.81	10.91	9.88	9.49	7.62	8.44	9.09	9.44	9.87	10.17
12	10.47	10.69	10.82	10.91	9.83	9.49	7.62	8.47	9.11	9.46	9.88	10.19
13	10.48	10.70	10.82	10.91	9.81	9.49	7.62	8.50	9.13	9.48	9.88	10.19
14	10.49	10.70	10.82	10.91	9.77	9.49	7.62	8.51	9.14	9.50	9.91	10.21
15	10.49	10.71	10.83	10.91	9.75	9.49	7.64	8.55	9.16	9.52	9.92	10.22
16	10.50	10.71	10.83	10.91	9.74	9.52	7.68	8.56	9.18	9.52	9.92	10.23
17	10.51	10.72	10.83	10.91	9.71	9.56	7.74	8.57	9.19	9.53	9.92	10.24
18	10.52	10.72	10.83	10.91	9.69	9.57	7.82	8.59	9.19	9.54	9.93	10.25
19	10.53	10.72	10.83	10.91	9.69	9.57	7.84	8.61	9.21	9.56	9.94	10.25
20	10.53	10.72	10.85	10.91	9.66	9.59	7.87	8.63	9.22	9.56	9.97	10.26
21	10.53	10.73	10.85	10.91	9.64	9.60	7.89	8.66	9.24	9.59	9.98	10.27
22	10.54	10.73	10.85	10.84	9.61	9.62	7.93	8.69	9.24	9.62	9.99	10.27
23	10.54	10.74	10.85	10.80	9.58	9.64	7.97	8.70	9.26	9.63	9.99	10.27
24	10.56	10.75	10.85	10.75	9.58	9.63	7.99	8.73	9.27	9.63	10.00	10.28
25	10.56	10.76	10.85	10.71	9.57	9.54	8.03	8.76	9.28	9.65	10.01	10.29
26	10.56	10.77	10.85	10.67	9.56	9.44	8.06	8.78	9.30	9.68	10.02	10.31
27	10.57	10.77	10.86	10.63	9.53	9.35	8.09	8.80	9.32	9.70	10.03	10.32
28	10.58	10.77	10.86	10.59	9.52	9.04	8.11	8.82	9.34	9.71	10.03	10.32
29	10.59	---	10.86	10.56	9.51	8.76	8.13	8.84	9.35	9.72	10.04	10.32
30	10.61	---	10.86	10.51	9.50	8.44	8.14	8.86	9.36	9.74	10.06	10.34
31	10.61	---	10.88	---	9.50	---	8.18	8.88	---	9.76	---	10.34
HIGHEST	10.44	10.63	10.77	10.51	9.50	8.44	7.62	8.21	8.90	9.36	9.76	10.08
CAL YR 1989 HIGH 7.62												

# Highest Daily Water Level in Well P-252, 1990

STATION NUMBER 644528147131201 FD00200307ACBD1 001

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	10.35	10.59	10.78	10.94	10.14	9.39	9.64	9.69	9.59	8.75	---	9.31
2	10.36	10.59	10.78	10.94	10.08	9.39	9.67	9.70	9.53	8.75	---	9.31
3	10.36	10.59	10.80	10.94	10.03	9.39	9.68	9.71	9.48	8.75	9.08	9.31
4	10.37	10.59	10.80	10.94	9.97	9.40	9.70	9.72	9.42	8.75	9.08	9.31
5	10.37	10.60	10.81	10.95	9.89	9.40	9.71	9.72	9.38	8.75	9.08	9.31
6	10.37	10.61	10.82	10.97	9.86	9.40	9.73	9.73	9.34	8.72	9.08	9.31
7	10.37	10.62	10.83	10.97	9.81	9.40	9.74	9.73	9.27	8.72	9.08	9.32
8	10.38	10.63	10.83	10.97	9.78	9.40	9.75	9.73	9.21	8.72	9.08	9.32
9	10.39	10.63	10.84	10.97	9.74	9.40	9.75	9.74	9.17	8.72	9.11	9.36
10	10.41	10.64	10.84	10.97	9.71	9.40	9.75	9.76	9.11	8.72	9.12	9.38
11	10.41	10.65	10.85	10.97	9.68	9.41	9.73	9.77	9.06	8.72	9.14	9.38
12	10.43	10.67	10.85	10.97	9.65	9.42	9.71	9.77	9.03	8.72	9.14	9.39
13	10.46	10.67	10.85	10.97	9.61	9.42	9.67	9.77	9.00	8.72	9.14	9.39
14	10.46	10.67	10.85	10.97	9.58	9.42	9.66	9.78	8.98	---	9.14	9.40
15	10.48	10.68	10.88	10.97	9.55	9.42	9.66	9.78	8.94	---	9.14	9.42
16	10.48	10.68	10.89	10.96	9.51	9.42	9.66	9.79	8.92	---	9.15	9.42
17	10.49	10.69	10.90	10.95	9.48	9.42	9.66	9.80	8.91	---	9.17	9.45
18	10.49	10.70	10.90	10.92	9.46	9.43	9.66	9.81	8.89	---	9.17	9.48
19	10.49	10.70	10.91	10.88	9.45	9.45	9.66	9.81	8.86	---	9.19	9.49
20	10.49	10.71	10.91	10.83	9.44	9.45	9.66	9.82	8.85	---	9.20	9.49
21	10.50	10.72	10.93	10.74	9.43	9.46	9.66	9.83	8.82	---	9.20	9.49
22	10.52	10.74	10.93	10.66	9.42	9.46	9.66	9.84	8.81	---	9.20	9.50
23	10.53	10.74	10.93	10.59	9.42	9.50	9.66	9.84	8.81	---	9.22	9.50
24	10.53	10.75	10.93	10.52	9.41	9.52	9.66	9.84	8.81	---	9.22	9.52
25	10.54	10.76	10.93	10.46	9.41	9.53	9.66	9.81	8.80	---	9.23	9.52
26	10.54	10.76	10.93	10.40	9.40	9.55	9.66	9.79	8.77	---	9.23	9.52
27	10.54	10.77	10.93	10.36	9.39	9.57	9.66	9.78	8.76	---	9.24	9.54
28	10.55	10.78	10.93	10.31	9.39	9.59	9.66	9.76	8.76	---	9.25	9.55
29	10.56	---	10.94	10.26	9.39	9.60	9.67	9.73	8.76	---	9.26	9.55
30	---	---	10.94	10.20	9.39	9.62	9.68	9.69	8.76	---	9.29	9.55
31	10.59	---	10.94	---	9.39	---	9.69	9.64	---	---	---	9.57
HIGHEST	---	10.59	10.78	10.20	9.39	9.39	9.64	9.64	8.76	---	---	9.31

## Highest Daily Water Level in Well P-252, 1991

STATION NUMBER 644528147131201 FD00200307ACBD1 001

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9.59	9.79	10.00	10.18	9.30	5.25	6.80	7.74	8.16	8.54	9.13	9.56
2	9.60	9.79	10.00	10.18	9.05	5.33	6.84	7.76	8.19	8.56	9.14	9.59
3	9.60	9.79	10.00	10.18	8.82	5.38	6.88	7.77	8.20	8.59	9.15	9.60
4	9.61	9.80	10.01	10.18	8.53	5.43	6.91	7.78	8.22	8.59	9.17	9.60
5	9.62	9.80	10.01	10.18	8.19	5.49	6.95	7.81	8.23	8.61	9.18	9.61
6	9.63	9.81	10.02	10.18	7.86	5.55	7.00	7.84	8.24	8.63	9.19	9.62
7	9.63	9.83	10.02	10.19	7.52	---	7.03	7.85	8.27	8.64	9.21	9.63
8	9.64	9.85	10.04	10.19	6.98	5.65	7.07	7.85	8.29	8.67	9.23	9.66
9	9.64	9.86	10.06	10.20	6.36	5.65	7.10	7.86	8.29	8.70	9.23	9.66
10	9.64	9.86	10.06	10.21	5.74	5.70	7.14	7.89	8.31	8.70	9.25	9.68
11	9.64	9.86	10.06	10.21	5.22	5.76	7.16	7.92	8.33	8.72	9.26	9.69
12	9.64	9.86	10.06	10.21	4.84	5.83	7.19	7.95	8.33	8.74	9.27	9.71
13	9.64	9.86	10.06	10.21	4.63	5.88	7.23	7.99	8.33	8.75	9.29	9.73
14	9.67	9.87	10.07	10.21	4.58	5.94	7.28	8.00	8.33	8.75	9.31	9.74
15	9.68	9.87	10.07	10.22	4.58	5.99	7.32	8.02	8.33	8.78	9.31	9.74
16	9.68	9.89	10.10	10.22	4.58	6.04	7.34	8.05	8.33	8.81	9.33	9.76
17	9.68	9.90	10.10	10.22	4.58	6.08	7.36	8.07	8.33	8.82	9.35	9.77
18	9.68	9.91	10.10	10.22	4.55	6.15	7.40	8.08	8.34	8.84	9.36	9.79
19	9.71	9.92	10.12	10.23	4.55	6.20	7.44	8.08	8.36	8.87	9.38	9.80
20	9.72	9.93	10.13	10.23	4.56	6.25	7.47	8.08	8.38	8.89	9.40	9.81
21	9.72	9.94	10.14	10.23	4.60	6.29	7.51	8.10	8.39	8.94	9.43	9.81
22	9.73	9.94	10.15	10.20	4.63	6.32	7.55	8.11	8.40	8.94	9.45	9.82
23	9.74	9.95	10.17	10.15	4.68	6.39	7.58	8.11	8.40	8.95	9.45	9.82
24	9.76	9.95	10.17	10.09	4.74	6.43	7.60	8.11	8.42	8.97	9.46	9.84
25	9.77	9.96	10.17	10.04	4.76	6.49	7.60	8.11	8.46	9.00	9.47	9.85
26	9.77	9.98	10.17	9.99	4.82	6.54	7.60	8.11	8.47	9.02	9.48	9.87
27	9.78	9.99	10.17	9.89	4.90	6.60	7.63	8.11	8.47	9.03	9.51	9.87
28	9.79	10.00	10.17	9.79	4.94	6.66	7.65	8.11	8.49	9.05	9.53	9.88
29	9.79	---	10.17	9.66	5.01	6.71	7.68	8.13	8.52	9.06	9.54	9.91
30	9.79	---	10.17	9.51	5.09	6.76	7.70	8.14	8.52	9.09	9.56	9.92
31	9.79	---	10.18	---	5.15	---	7.72	8.14	---	9.12	---	9.93
HIGHEST	9.59	9.79	10.00	9.51	4.55	---	6.80	7.74	8.16	8.54	9.13	9.56

# Highest Daily Water Level in Well P-252, 1992

STATION NUMBER 644528147131201 FD00200307ACBD1 001

WATER LEVEL, IN FEET BELOW LAND SURFACE

HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9.93	10.23	10.42	10.59	10.35	4.79	4.96	6.86	7.93	8.62	9.18	9.62
2	9.94	10.24	10.43	10.60	10.31	4.20	5.05	6.89	7.97	8.64	9.20	9.64
3	9.96	10.25	10.44	10.62	10.28	3.69	5.11	6.93	8.00	8.68	9.21	9.65
4	9.97	10.25	10.45	10.62	10.25	3.36	5.19	6.97	8.03	8.69	9.21	9.67
5	9.98	10.26	10.46	10.63	10.22	3.05	5.26	7.00	8.06	8.73	9.23	9.69
6	9.98	10.27	10.47	10.63	10.20	2.95	5.34	7.05	8.09	8.76	9.24	9.71
7	10.00	10.29	10.48	10.64	10.17	2.86	5.43	7.09	8.11	8.76	9.24	9.72
8	10.01	10.29	10.48	10.64	10.16	2.85	5.53	7.14	8.14	8.75	9.26	9.72
9	10.02	10.30	10.48	10.65	10.14	2.85	5.61	7.19	8.17	8.76	9.27	9.73
10	10.03	10.31	10.48	10.65	10.13	2.90	5.69	7.24	8.20	8.78	9.28	9.74
11	10.05	10.33	10.49	10.65	10.09	3.10	5.75	7.28	8.23	8.82	9.30	9.76
12	10.07	10.33	10.51	10.65	10.03	3.40	5.80	7.31	8.26	8.84	9.34	9.78
13	10.08	10.34	10.51	10.65	9.98	3.61	5.85	7.35	8.29	8.87	9.36	9.79
14	10.08	10.34	10.52	10.65	9.88	3.78	5.92	7.39	8.30	8.89	9.37	9.79
15	10.08	10.35	10.53	10.65	9.83	3.89	6.00	7.42	8.31	8.91	9.38	9.82
16	10.09	10.35	10.53	10.65	9.78	3.97	6.08	7.46	8.34	8.92	9.40	9.85
17	10.10	10.36	10.53	10.65	9.73	3.98	6.15	7.49	8.35	8.95	9.42	9.86
18	10.10	10.37	10.54	10.65	9.67	4.03	6.18	7.54	8.36	8.96	9.43	9.86
19	10.11	10.37	10.54	10.65	9.60	4.10	6.22	7.56	8.37	8.96	9.44	9.88
20	10.11	10.38	10.54	10.65	9.52	4.22	6.24	7.59	8.40	8.96	9.46	9.88
21	10.12	10.38	10.55	10.65	9.41	4.27	6.29	7.60	8.42	8.98	9.49	9.89
22	10.14	10.38	10.55	10.65	9.35	4.36	6.35	7.63	8.45	9.00	9.50	9.91
23	10.15	10.38	10.56	10.65	9.24	4.43	6.43	7.66	8.48	9.03	9.51	9.92
24	10.16	10.38	10.56	10.64	9.16	4.49	6.48	7.68	8.49	9.05	9.51	9.94
25	10.17	10.38	10.56	10.60	9.05	4.46	6.54	7.72	8.52	9.06	9.53	9.96
26	10.17	10.38	10.57	10.57	8.96	4.46	6.59	7.75	8.54	9.08	9.55	9.97
27	10.17	10.39	10.57	10.55	8.75	4.53	6.64	7.79	8.56	9.09	9.57	9.98
28	10.18	10.39	10.58	10.51	8.19	4.61	6.70	7.82	8.57	9.11	9.58	10.00
29	10.19	10.40	10.59	10.48	7.33	4.72	6.74	7.86	8.59	9.12	9.58	10.01
30	10.21	---	10.59	10.40	6.37	4.84	6.79	7.89	8.60	9.14	9.60	10.01
31	10.22	---	10.59	---	5.48	---	6.81	7.91	---	9.16	---	10.02
HIGHEST	9.93	10.23	10.42	10.40	5.48	2.85	4.96	6.86	7.93	8.62	9.18	9.62
CAL YR 1992	HIGH 2.85											



## Highest Daily Water Level in Well P-252, 1993

STATION NUMBER 644528147131201 FD00200307ACBD1 001  
WATER LEVEL, IN FEET BELOW LAND SURFACE  
HIGHEST DAILY WATER LEVEL

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	10.03	10.23	10.39	10.54	8.99	8.07	8.73	9.31	9.60	9.19	9.21	9.51
2	10.03	10.24	10.40	10.54	8.89	8.09	8.74	9.32	9.60	9.18	9.23	9.51
3	10.05	10.26	10.41	10.54	8.78	8.13	8.76	9.35	9.59	9.18	9.25	9.52
4	10.06	10.28	10.42	10.54	8.66	8.16	8.78	9.35	9.59	9.17	9.27	9.53
5	10.07	10.28	10.42	10.54	8.60	8.19	8.83	9.36	9.57	9.16	9.28	9.55
6	10.08	10.28	10.43	10.54	8.54	8.19	8.84	9.37	9.55	9.15	9.29	9.55
7	10.09	10.28	10.44	10.54	8.47	8.21	8.86	9.37	9.54	9.14	9.31	9.55
8	10.11	10.28	10.45	10.54	8.42	8.25	8.89	9.38	9.54	9.14	9.32	9.56
9	10.11	10.29	10.46	10.54	8.38	8.30	8.90	9.39	9.54	9.13	9.33	9.57
10	10.12	10.30	10.47	10.55	8.33	8.32	8.92	9.40	9.54	9.13	9.33	9.59
11	10.13	10.30	10.46	10.55	8.30	8.34	8.94	9.42	9.54	9.13	9.34	9.59
12	10.13	10.31	10.47	10.55	8.29	8.37	8.96	9.41	9.54	9.13	9.34	9.61
13	10.14	10.32	10.47	10.55	8.27	8.41	8.98	9.41	9.54	9.13	9.35	9.62
14	---	10.33	10.47	10.57	8.24	8.44	8.99	9.42	9.54	9.13	9.35	9.64
15	---	10.34	10.48	10.55	8.22	8.47	9.01	9.42	9.54	9.13	9.36	9.65
16	---	10.34	10.48	10.51	8.19	8.49	9.04	9.43	9.53	9.13	9.37	9.66
17	---	10.35	10.48	10.42	8.15	8.50	9.06	9.45	9.51	9.13	9.38	9.67
18	---	10.36	10.49	10.35	8.14	8.51	9.07	---	9.50	9.13	9.39	9.68
19	---	10.36	10.49	10.26	8.11	8.54	9.09	---	9.46	9.13	9.39	9.69
20	10.15	10.38	10.49	10.18	8.07	8.55	9.11	9.60	9.40	9.13	9.41	9.70
21	10.15	10.38	10.49	10.07	8.06	8.57	9.12	9.60	9.37	9.13	9.43	9.71
22	10.16	10.38	10.49	9.96	8.06	8.59	9.13	9.60	9.36	9.13	9.44	9.73
23	10.17	10.38	10.49	9.81	8.06	8.60	9.15	9.59	9.34	9.13	9.45	9.73
24	10.19	10.38	10.50	9.68	8.06	8.63	9.17	9.59	9.31	9.13	9.45	9.74
25	10.20	10.38	10.51	9.57	8.06	8.66	9.19	9.59	9.28	9.14	9.46	9.76
26	10.21	10.38	10.52	9.48	8.06	8.67	9.20	9.59	9.27	9.15	9.47	9.77
27	10.21	10.38	10.53	9.39	8.06	8.68	9.22	9.60	9.26	9.17	9.48	9.78
28	10.22	10.39	10.53	9.30	8.06	8.70	9.25	9.60	9.23	9.18	9.49	9.79
29	10.22	---	10.53	9.21	8.06	8.72	9.26	9.61	9.22	9.18	9.50	9.80
30	10.22	---	10.53	9.09	8.06	8.72	9.27	9.61	9.20	9.18	9.50	9.81
31	10.22	---	10.54	---	8.06	---	9.29	9.62	---	9.19	---	9.82
HIGHEST	---	10.23	10.39	9.09	8.06	8.07	8.73	---	9.20	9.13	9.21	9.51