Water-Elevation, Stream-Discharge, and Ground-Water Quality Data in the Alaska Railroad Industrial Area Fairbanks, Alaska, May 1993 to May 1995

By Anne T. Kriegler and Michael R. Lilly

U.S. GEOLOGICAL SURVEY

Open-File Report 95-364

Prepared in cooperation with the

ALASKA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING AND WATER MANAGEMENT

Fairbanks, Alaska
1995

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
Earth Science Information Center
Open-File Reports Section
Box 25425, MS 517
Denver Federal Center
Denver, CO 80225-0425

CONTENTS

PLATE [In pocket]

FIGURES

TABLES

CONVERSION FACTORS, VERTICAL AND HORIZONTAL DATUM, AND WATER QUALITY UNITS

Multiply	By	To obtain
foot (ft)	0.3048	meter
mile (mi)	1.609	kilometer
square mile (mi^2)	2.590	square kilometer
gallon (gal)	3.785	liter
gallon per minute (gal/min)	0.06308	liter per second

Vertical Datum:

In this report, "sea level" refers to 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 from 1966, formerly called Sea Level Datum of 1929. All elevations are referenced to the U.S. Coast and Geodetic Survey benchmark BMXX12, elevation 441.272 feet.

Horizontal Datum:

The horizontal datum for all locations in this report is the North American Datum of 1927. Multiple reference marks were used from Alaska Department of Transportation and Public Facilities surveys. Global positioning survey instruments were also used to determine horizontal control positions.

Abbreviated Water-Quality Units

Chemical concentration and water temperature are given only in metric units. Chemical concentration in water is given in milligrams per liter (mg/L) or micrograms per liter (µg/L). Milligrams per liter is a unit expressing the solute mass per unit volume (liter) of water. One thousand micrograms per liter is equivalent to 1 milligram per liter. For concentrations less than 7,000 milligrams per liter, the numerical value is about the same as for concentrations in parts per million. Specific conductance is given in microsiemens per centimeter (µS/cm) at 25°C.

Water-Elevation, Stream-Discharge, and Ground-Water Quality Data in the Alaska Railroad Industrial Area, Fairbanks, Alaska, May 1993 to May 1995

By Anne T. Kriegler and Michael R. Lilly

Abstract

From May 1993 to May 1995, the U.S. Geological Survey in cooperation with the Alaska Department of Natural Resources, Division of Mining and Water Management collected data on ground-water and surface-water elevations, stream discharge, and ground-water quality in the Alaska Railroad Industrial area in Fairbanks, Alaska. The data-collection efforts were coordinated with environmental efforts being made in the study area by the Alaska Railroad Corporation. These data were collected as part of an effort to characterize the hydrogeology of the Alaska Railroad Industrial area and to define the extent of petroleum hydrocarbons in the area. Ground-water data were collected at 52 observation wells, surface-water data at 12 sites, stream discharge data at 9 sites, and chemical water-quality data at 32 observation wells.

INTRODUCTION

The U.S. Geological Survey (USGS), in cooperation with Alaska Department of Natural Resources, Division of Mining and Water Management (DOM&WM), is presently (1995) conducting an investigation to characterize the hydrogeology and the chemistry of the ground water beneath the Fairbanks Railroad Industrial area (FRIA) (fig. 1 and plate 1).

The FRIA occupies about 0.4 mi^2 of the flood plain approximately 3 mi north of the Tanana River. Most of the study area is north of the Chena River and south of Noyes Slough (plate. 1). The FRIA includes the following sites: the Environmental Assessment Area defined by the Alaska Department of Environmental Conservation (ADEC), property owned by the Alaska Railroad and by the Fairbanks Municipal Utilities System (FMUS), as well as both commercially and privately owned property.

This report presents data on ground-water and surface-water elevations, stream discharge, and ground-water-quality collected between May 1993 and May 1995. Water elevations at ground-water and surface-water sites were collected at monthly intervals. Data at some sites were collected more frequently to document short-term changes in ground-water elevations caused by rapid stage changes of the Chena River and Noyes Slough. Surface-water discharge data were collected on Noyes Slough, the Chena River, and the Tanana River at sites surrounding the study area. Chemical water-quality data were collected across the study area on the north side of the Chena River. Sampling done in September 1993 was designed to define the extent of petroleum hydrocarbons in the ground water beneath the project area. Four subsequent sampling trips were designed to monitor the extent of petroleum hydrocarbons in a smaller network of observation wells.

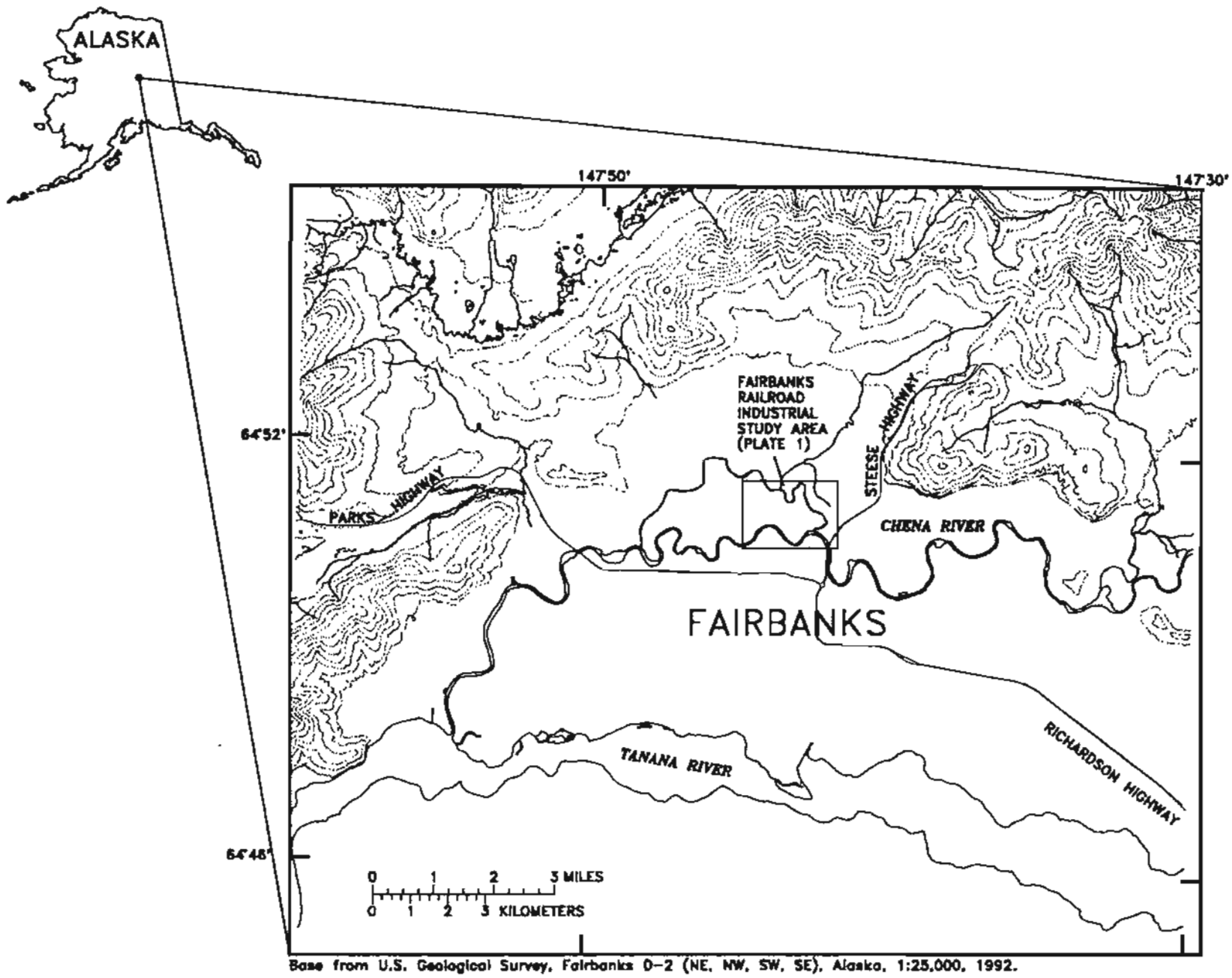


Figure 1. Location of Fairbanks, Alaska, and Fairbanks Railroad Industrial Area.

The USGS maintains all reported data as part of the USGS National Water Information System (NWIS). Ground-water elevations and information about the observation wells can be found in the Ground-Water Site Inventory (GWSI) data base. Surface-water elevations and information about sites can be found in the Automatic Data Acquisition and Processing System (ADAPS). Chemical water-quality data are stored in the Water-Quality System (QWDATA).

HYDROLOGIC SETTING

The aquifer in the study area consists of unconsolidated alluvial sand and gravel deposits of the Chena Alluvium (T.L. Péwé, U.S. Geological Survey, written commun., 1976). The Chena Alluvium contains sediment derived from the Chena and Tanana Rivers, although the sedimentary structure is controlled by the Tanana River (T.L. Péwé, U.S. Geological Survey, written commun., 1995). Sediment facies within these deposits are laterally discontinuous as is typical of braided river deposits (Rust, 1978). The thickness of these deposits is unknown but may be in excess of 500 ft (Nelson, 1978). The hills to the north of the study area are underlain by metamorphic bedrock of the Yukon-Tanana Upland (Anderson, 1970). These rocks form a hydrologic boundary for the northern part of the Fairbanks region.

The Chena River is a dominant influence on ground-water elevations in the study area. The upper Chena Basin enters the flood plain above the Moose Creek Dam. Chena River stage elevations increase during spring snowmelt-runoff and during late-summer rainfall runoff (fig. 2). Ice covers most of the Chena River during the winter season, except at a section downstream from the FMUS treatment plant where heated water from the power plant is discharged into the river.

Although the Chena River is the dominant influence on the study area, the Tanana River is the main surface-water influence on much of the alluvial aquifer in the general Fairbanks area (Nelson, 1978). The Tanana River stage typically rises for one to two weeks during spring snowmelt and from ice-jam effects and then recedes (fig. 2). The stage again rises for a longer period during the middle of the summer in response to glacial runoff from the Alaska Range. The flow and stage of the Tanana River decrease during late summer when temperatures drop in the Alaska Range. The river stages increase after complete ice cover is established across the river as a result of an increase in flow resistance from ice cover. Stages then decrease throughout the winter because of the continuing reduction of water flow.

Noyes Slough originates from the Chena River downstream from the Wendell Street Bridge and empties into the Chena River just upstream from the University Avenue bridge (plate 1). The slough, lined with silts and silty-sand slough deposits, is partly blocked in various locations by debris and beaver dams. The lower section of the slough is affected by backwater from the Chena River. Most of Noyes Slough dries up or freezes solidly during the winter season.

The depth to ground water is generally less than 20 ft below land surface throughout most of the project study area. Ground-water elevations fluctuate in response to cyclic stage changes of the Chena River and Noyes Slough. Ground-water pumping in the project study area includes FMUS public water-supply wells, emergency fire-suppression wells, and commercial water-supply wells for cooling and operational activities.

The FMUS water-supply wells (plate 1), south of the Chena River, produce most of the discharge from the aquifer in FRIA. The water is used first for cooling of the FMUS power plant. The water is heated by this process and then discharged to both the Chena River and to the FMUS water-treatment plant. The volume used by the treatment plant varies to satisfy the demand for treated water to the FMUS water distribution system. The FMUS power-plant demand for cooling water is greater than the water-treatment plant demand. The depths of the water-supply wells are approximately 80 to 120 ft below land surface.

In addition to the FMUS wells, some wells within the study area pump much smaller quantities of water. A small volume pumping well is used for non-potable shop operations at Sourdough Express, located in the central part of the study area (Whitey Gregory, Sourdough Express, written commun., 1995). This well operates only during the summer months for air-conditioning purposes. The Fairbanks Daily News-Miner operates a cooling-water well in the summer for support of printing operations at their facility. The average pumping rate of this well is estimated to be 60 gal/min (Dave Kozloski, Fairbanks Daily News Miner, written commun., 1995). The FMUS operates a fire-suppression well located to the northwest of the Alaska Railroad Depot and south of Philips Field Road. This well is tied into the FMUS central water-distribution system located at the FMUS power plant but is not currently in use (Bartley Klevens, FMUS, written commun., 1995).

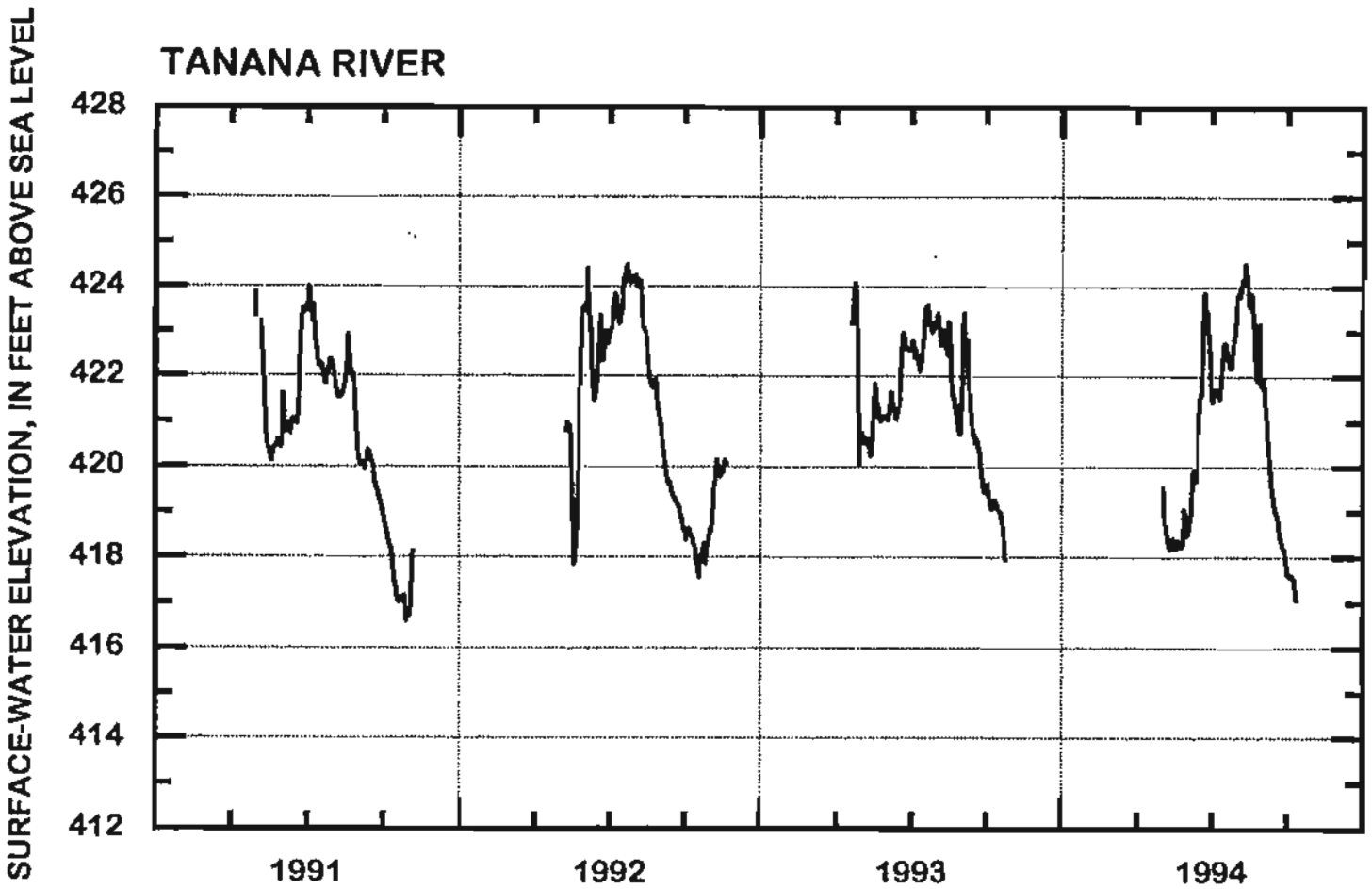


Figure 2. Water-surface elevations of the Tanana and Chena Rivers at Fairbanks gaging stations for calendar years 1991 to 1994.

DATA-COLLECTION SITES

Ground Water

Water elevations were measured in 52 observation wells, most of which are relatively shallow and screened at or immediately below the water table. A cluster of four observation wells was installed at the FMUS coal-transfer facility; the wells were drilled to depths of 20, 53, 80, and 100 ft (fig. 3). Data collected from the cluster of observation well were used to characterize the vertical-flow component of the ground-water system in the project area.

To inventory observation wells, a well-identification system was established. All ground-water observation wells were given a prefix of AR. A sequential number was assigned to the well (ARXX) in the order that the sites were initially found or reviewed. Data from observation wells cited in other reports are cross referenced with USGS standardized identification in table 1. (Note: tables 1-9 start on page 13.) The table also shows the first report number that references the observation well (appendix 1).

The water elevations in observation wells were determined by using either a steel tape and chalk, or an electric tape, to measure the vertical distance between a consistent measuring point and the water surface in the well. The electric tapes were calibrated against steel tapes and correction factors were applied. Replicate measurements were taken at each observation well until depth-to-water readings were duplicated. The repetition criterion for measurements with a steel tape was 0.01 ft and that for measurements with an electric tape was 0.02 ft. Measurement errors greater than the repetition criteria are indicated in the water-elevation tables and were noted for each observation well. The measuring points for observation wells used in this study were labeled and a notch was made in the polyvinyl chloride (PVC) to avoid errors in measuring point placement and well identification. A pressure transducer and data logger were installed in one of the wells (AR68) to collect continuous ground-water elevation data.

Surface Water

Water elevations were measured at 12 surface-water sites on the Chena River, on Noyes Slough, and at an old gravel pit located south of the Johansen Expressway and east of Aurora Drive. Water elevations in the river, slough, and gravel pit were determined by reading a staff gage or by using a measuring tape to measure the distance from the water surface to a point of known elevation. Holes were cut through the ice to measure water elevations during winter months. Continuous data are being recorded at the Chena River at Fairbanks gaging station downstream from the New Steese Bridge. Data are not collected at the gaging station during the winter months.

Horizontal and Vertical Control

Elevation of reference points at all water-elevation measuring sites in this study were surveyed to a common datum, the National Geodetic Vertical Datum 1929. The vertical control used was reference benchmark BMXX12, elevation 441.272, from the 1966 survey by the U.S. Coast and Geodetic Survey (1966). It is located on the railroad bridge crossing Noyes Slough west of Golden Valley Electric. The vertical survey was connected to a survey net that is used by the USGS in a study of the University of Alaska Fairbanks area, located west of the Railroad Industrial area. Selected wells were re-surveyed to check and adjust elevations for frost jacking.

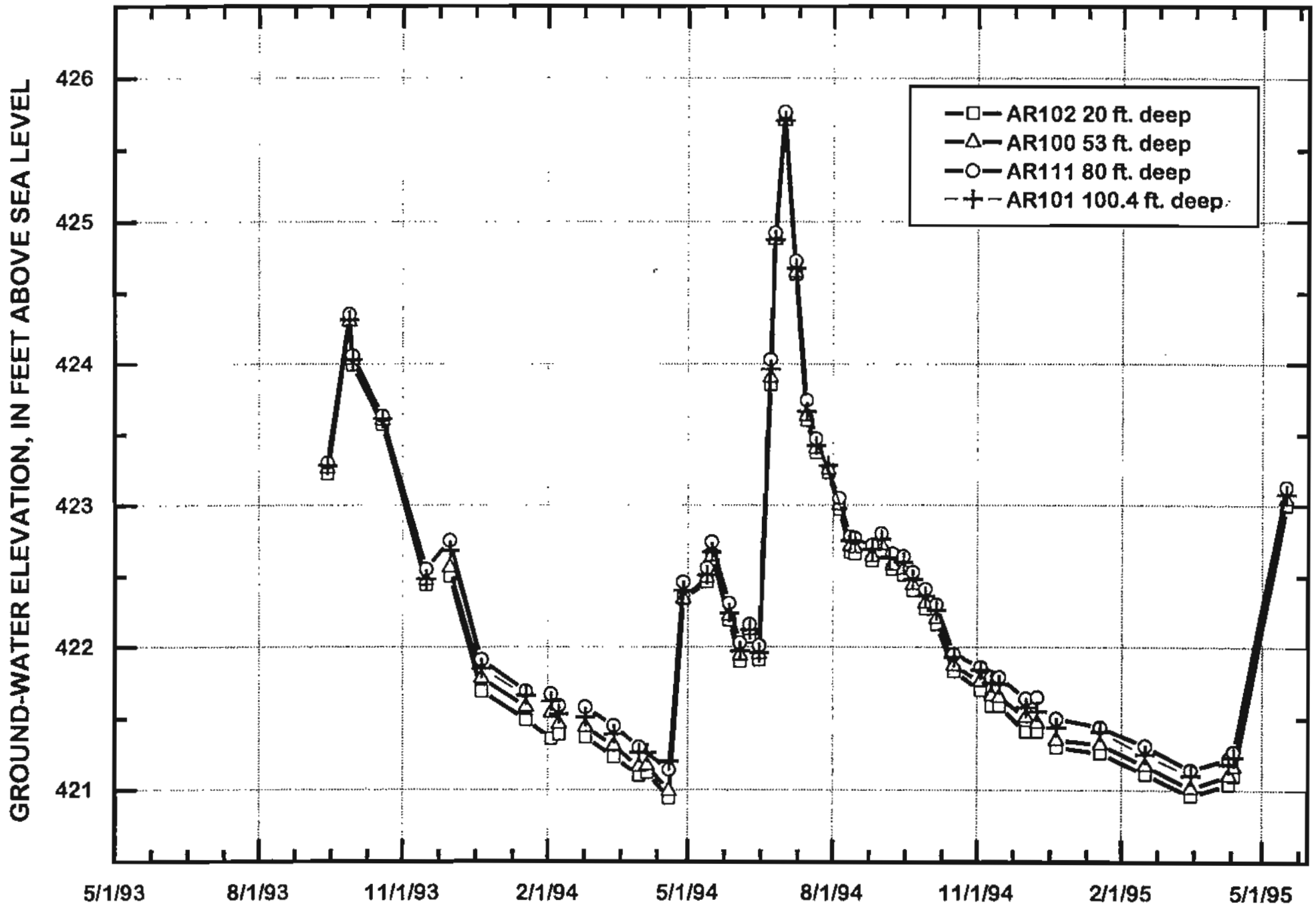


Figure 3. Ground-water elevations for observation wells AR100, AR101, AR102, and AR111.

Horizontal coordinates were based on control provided by Alaska Department of Transportation and Public Facilities (ADOT&PF). Coordinates were determined in state plane and latitude longitude. Horizontal locations were determined by traverse surveys, by satellite-based global positioning surveys, and from study area maps. The horizontal datum for all locations in this report is North American Datum 1927. Horizontal and vertical survey data are summarized in table 2.

GROUND-WATER AND SURFACE-WATER ELEVATIONS

Ground-water and surface-water elevations were measured in the FRIA from May 1993 to May 1995. Data were collected (1) during mass measurements (MM)—sets of measurements made once each month at a large group of sites within a short time period, and (2) during partial measurements (PM)—sets of measurements made as needed at a smaller group of sites. Observation wells were chosen as MM sites on the basis of the distribution within the study area and accessibility in winter. The MM data-collection efforts were integrated with a USGS Fairbanks subregional study and were coordinated with similar studies being made by the Fairbanks International Airport, the University of Alaska Fairbanks, and the U.S. Army Corps of Engineers at Fort Wainwright, Alaska. The coordination among the different studies provides data for obtaining an understanding of the sub-regional hydrology and is contributing to current ground-water modeling efforts in the Fairbanks area.

Continuous data recorded from a pressure transducer are shown for observation well AR68 (fig. 4). The continuous-record water elevation for observation well AR68 was plotted against the continuous record for the stage of the Chena River and against precipitation data for the Fairbanks International Airport (fig. 4). Individual ground-water measurements are plotted on the graph.

The ground-water and surface-water elevation data are shown on tables and hydrographs in the section labeled "Water-Elevation Tables and Hydrographs." (Note: this section starts on page 63.)

Tables: Each table in this section contains water-surface elevations, information about each measurement, and selected site or well information. Land surface (LS) is the representative elevation of the ground immediately surrounding the well, rebar, or staff gage at each site. The measuring point (MP) is the point of known elevation from which all water-elevation measurements are taken. Other abbreviations are explained on each table. The site identification (ID) is based on latitude and longitude and is the primary identifier used in the USGS data bases. The local number is based on a system that uses township, range, and section (fig. 5).

Hydrographs: Each hydrograph shows all data from the corresponding water-elevation table. Each point on the hydrograph represents a measured water elevation. To allow direct comparison among hydrographs, uniform time and elevation scales for each hydrograph are used, with exceptions for surface-water elevations that are farthest from the study area. Lines connecting data points are used to infer estimated trends of water elevations; however, the connecting lines do not show possible shorter period water-elevation changes between measurements. For data points 2 months or more apart, no connecting lines were drawn.

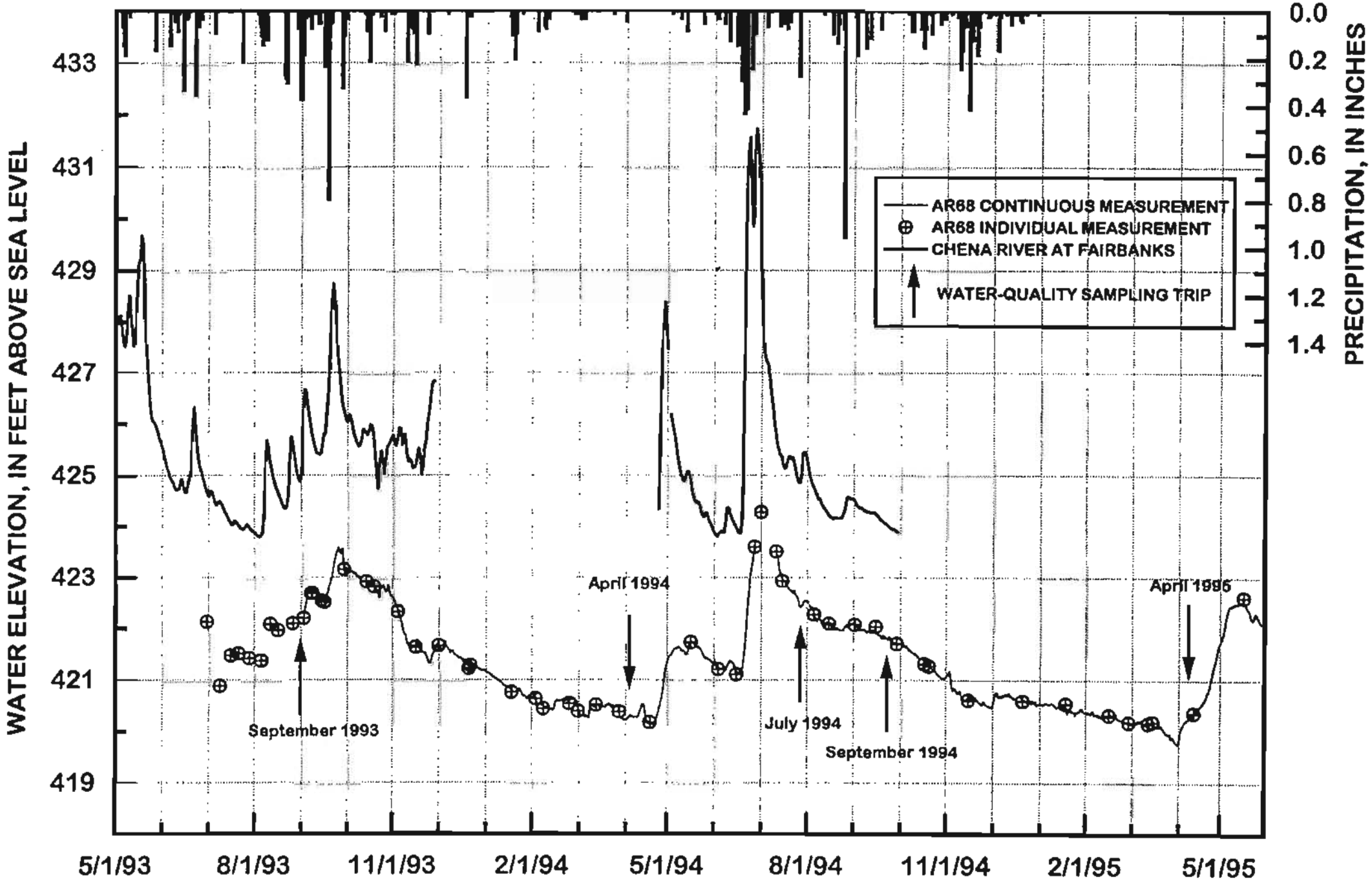


Figure 4. Water elevations for observation well AR68 and the Chena River at Fairbanks, daily precipitation at Fairbanks International Airport, and date of water-quality sampling trips.

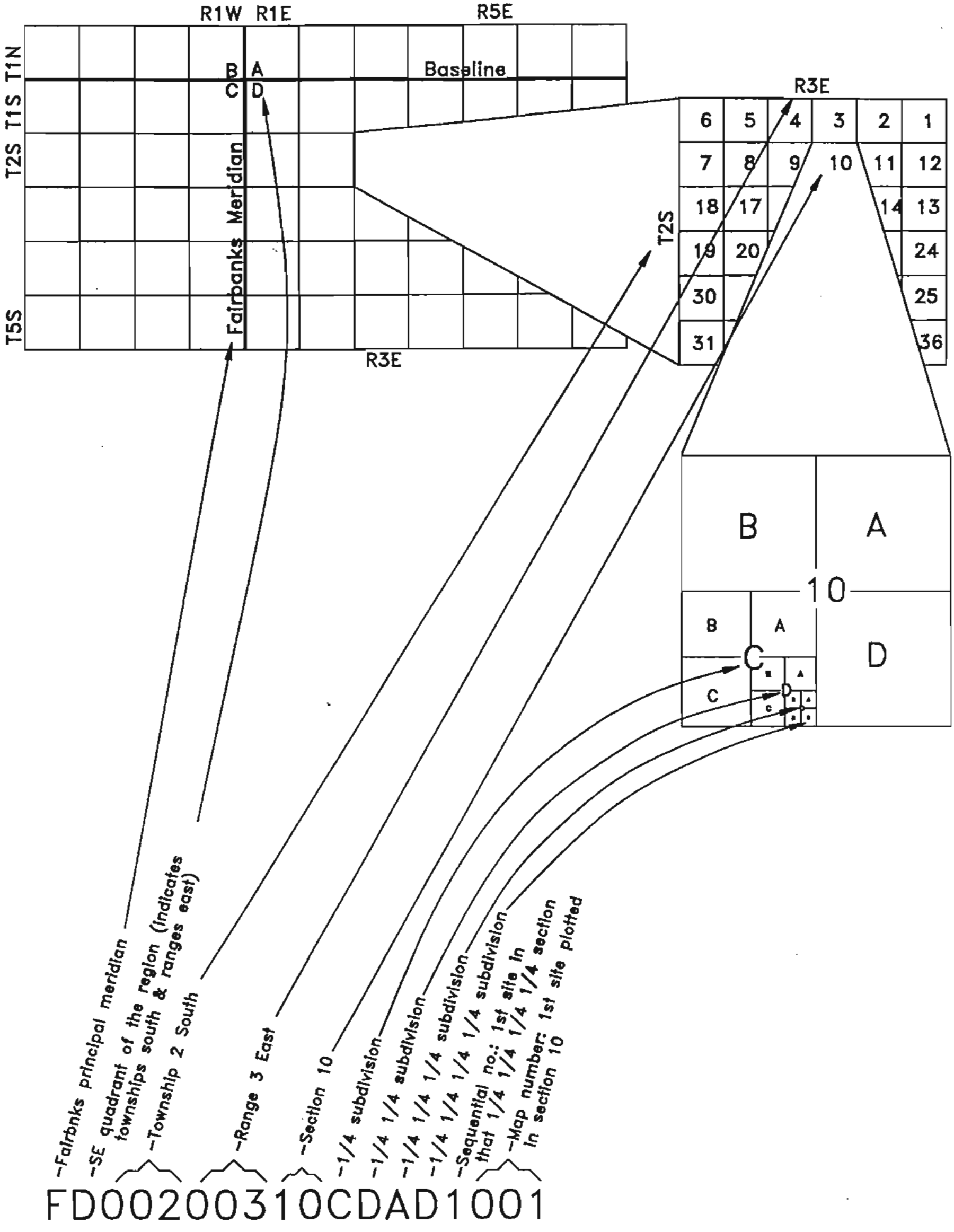


Figure 5. Derivation of local numbers from the officical rectangular subdivision of public lands.

STREAM DISCHARGE

Miscellaneous measurements of discharge at various sites on Noyes Slough and the Chena River are listed in table 3. Daily mean discharges of the Chena River at Fairbanks gaging station (USGS station No.15514000) are reported in cubic feet per second by the U.S. Geological Survey (1948-95). The difference among discharges measured at nearly the same time at different sites on a stream is a result of the ground-water system discharging to or being recharged by the stream and measurement error.

GROUND-WATER QUALITY

A number of investigations (appendix 1) have indicated that soil and ground water in the area are contaminated with petroleum hydrocarbons and other organic compounds and inorganic metals.

Water-Quality Sampling

Water-quality data were collected at 32 observation wells from August 30, 1993 to September 9, 1993. Twenty-five of these wells were sampled at least one other time between April 1994 and April 1995. Concentrations of volatile organic compounds (VOC), as well as temperature, pH, specific conductance, and dissolved oxygen data are compiled in this report (table 4). The VOC samples were analyzed by the USGS National Water-Quality Laboratory. Concentrations of the inorganic major ions in samples collected during the same time period have been published elsewhere (Vohden, 1994, 1995). All water-quality data published in this report can be found in the USGS QWDATA database.

Sampling Trips

Five sampling trips were made between August 1993 and April 1995. The first sampling trip was designed to define the extent of the petroleum hydrocarbons. The four subsequent sampling trips monitored the contaminant levels in a smaller set of observation wells across the study area.

Table 4 summarizes all data for the 25 wells for which multiple sampling trips were made; it is organized by well number. Tables 5-9 present the water-quality data obtained for a given sampling trip and include all quality control data for the trip. The data in tables 5-9 are ordered by calendar date and time of collection within the sampling trip.

The following table summarizes the dates of trips and number of wells sampled.

Date	No. of wells sampled	Table No. in this report
Aug. 30-Sept. 9, 1993	32	5
April 5-7, 1994	19	6
July 28-Aug. 8, 1994	21	7
Sept. 21-22, 1994	20	8
April 10-11, 1995	13	9

The sampling trips were planned around the hydrologic conditions of low river stage in winter and high river stage in summer. Samples were not always collected at the exact peaks of high and low stages, because of the unpredictable nature of weather and rainfall. The sampling trip in April 1994 occurred during the late-winter hydrologic conditions. The July 1994 trip was scheduled at the summer low-river stage conditions, but sampling occurred at moderate flow after a precipitation peak (fig. 4). Although samples were taken throughout the study area, more samples were taken in the area of known contamination to monitor changes near the source.

Sampling Methods and Equipment

During the September 1993 sampling trip, observation wells were purged using a peristaltic pump attached with 3/8-inch Teflon tubing. The tubing was decontaminated after each well was sampled. Wells were purged by removing 5 gal of water, or three times the well volume, prior to sampling. Simultaneously, a multi-parameter field instrument was operated during purging to monitor temperature, pH, specific conductance, and dissolved oxygen (table 4). These properties were always noted to have stabilized before the completion of the well purging. Wells were sampled either with a Teflon bailer that was emptied by a controlled flow bottom valve or with an open-top copper bailer. Both bailers were lowered with disposable monofilament nylon line. Between each site visit, bailers were decontaminated with a hot-water pressure washer and a liquinox solution, followed by a hot-water rinse and a methanol rinse.

During all sampling trips after September 1993, a peristaltic pump was used to purge the well until temperature, pH, specific conductance, and dissolved oxygen stabilized (table 4). A new piece of 3/8-inch polyethylene tubing was put in the well for each sample and was attached to the pump for purging. To avoid the possibility of cross contamination between observation wells, new bailers were used each time for sampling the wells. A new Teflon bailer was lowered into most wells. A few wells had steel casings of 1.5-inch diameter. The Teflon bailers were too large for these wells, so a clean copper bailer was used for them. Both types of bailers were lowered with monofilament disposable nylon line. When access was possible, the same observation wells were used in order to monitor changes in concentrations of VOC's. Wells that contained floating petroleum hydrocarbons were not analyzed for temperature, pH, specific conductance, or dissolved oxygen.

The analytical methods of the USGS National Water Quality Laboratory follow method 534.2 of the U.S. Environmental Protection Agency (1992). This involves collection using a purge and trap procedure, followed by capillary gas chromatography and detection by mass spectrometry. For quality assurance, the USGS laboratory standards (Pritt and Raese, 1992) were analyzed at the reporting level of each compound. To eliminate the effect of microbial degradation, hydrochloric acid was added to all VOC samples, except to those collected in September 1993.

Quality Control

The quality control (QC) procedures for each sampling trip included taking duplicate samples each day at observation wells, as well as equipment blanks and trip blanks. Air blanks were taken during April 1994 and September 1994 sampling trips. The results of all the quality control samples are listed in the individual tables for each trip (tables 5-9). The table below summarizes the type and number of QC samples taken during the sampling trips.

Sampling trip date	Number of quality control samples			
	Equipment blank	Trip blank	Air blank	Duplicate
Aug. 30 to Sept. 9, 1993	3	3	0	3
April 5-6, 1994	1	2	0	2
July 28 to Aug. 8, 1994	3	3	2	3
Sept. 21-22, 1994	2	2	2	2
April 10-11, 1995	2	1	0	2

REFERENCES CITED

Anderson, G.S., 1970, Hydrologic reconnaissance of the Tanana Basin, Central Alaska: U.S. Geological Survey Hydrologic Investigations Atlas HA-319, 4 sheets.

Nelson, G.L., 1978, Hydrologic information for land-use planning Fairbanks vicinity, Alaska: U.S. Geological Survey Open-File Report 78-959, 47 p.

Péwé, T.L., Bell J.W., Forbes, R.B., and Weber, F.R., 1976, Geologic map of the Fairbanks D-2 SW Quadrangle, Alaska: U.S. Geological Survey Miscellaneous Investigations Series Map I-829-A, scale, 1:24,000, 1 sheet.

Pritt, J.W., and Raese, J.W., eds., 1992, Quality assurance/quality control manual—National Water Quality Laboratory: U.S. Geological Survey Open-File Report 92-495, 33 p.

Rust, B.R., 1978, Depositional models for braided alluvium, *in* Miall, A.D., ed., Fluvial sedimentology: Canadian Society of Petroleum Geology Memoir 5, p. 605 - 625.

U.S. Coast and Geodetic Survey, 1966, Vertical control datum: U.S. Department of Commerce, Environmental Sciences Services Administration, 26 p.

U.S. Environmental Protection Agency, 1992, Test methods for evaluating solid waste—Physical/chemical methods (SW-846) (3rd ed.): U.S. Environmental Protection Agency, variously paged.

U.S. Geological Survey (1948-95), Water resources data for Alaska—water years 1947-94: U.S. Geological Survey Water-Data Reports (published annually)

Vohden, J., 1994, Water quality sampling for the Task 2 drilling and sampling extension of the subsurface and hydrologic field investigation in the Railroad Industrial area: Alaska Division of Mining and Water Management Public-Data File 94-38, 55 p.

_____1995, Summary of inorganic water-quality sampling in the Fairbanks Railroad Industrial area, Fairbanks, Alaska, 1993-1994: Alaska Division of Mining and Water Management Public-Data File 95-21.

TABLES 1-9

Table 1. Cross references of observation well identifiers and report numbers.
[NA, not available]

This report well ID	Other report well ID	Report number (appendix 1)	This report well ID	Other report well ID	Report number (appendix 1)	This report well ID	Other report well ID	Report number (appendix 1)
AR1	GW-123	2	AR38	MW-4	27	AR75	MW-3	50
AR2	GW-128	2	AR39	MW-3	27	AR76	NA	NA
AR3	GW-116	2	AR40	PR-1	27	AR77	NA	NA
AR4	GW-115	2	AR41	PR-2	27	AR78	NA	NA
AR5	GW-114	2	AR42	K-1	33	AR79	MW-2	5
AR6	PW-113	2	AR43	K-2	33	AR80	NA	NA
AR7	PW-112	2	AR44	K-3	33	AR81	Well 2	15
AR8	GW-111	2	AR45	NA	44	AR82	Well 4	15
AR9	PW-110	2	AR46	MW-42	44	AR83	NA	NA
AR10	PW-109	2	AR47	MW-1	42	AR84	NA	NA
AR11	PW-108	2	AR48	MW-2	42	AR85	Well 1	15
AR12	PW-107	2	AR49	MW-3	42	AR86	MW-21	NA
AR13	PW-106	2	AR50	MW-4	42	AR87	MW-22	NA
AR14	PW-105	2	AR51	MW-5	42	AR88	MW-23	NA
AR15	PW-104	2	AR52	MW-1	51	AR89	MW-24	NA
AR16	GW-101	2	AR53	MW-2	51	AR90	MW-25	NA
AR17	MW-25	3	AR54	MW-3	51	AR91	MW-41	44
AR18	MW-26	3	AR55	MW-4	51	AR92	Well 3	15
AR19	MW-27	3	AR56	MW-5	51	AR93	Well 5	15
AR20	MW-28	3	AR57	MW-6	51	AR94	Well 6	15
AR21	MW-29	3	AR58	MW-7	51	AR95	MW-17	NA
AR22	MW-30	3	AR59	Zehnder	51	AR96	MW-7	NA
AR23	MW-31	3	AR60	NA	NA	AR97	NA	NA
AR24	MW-32	3	AR61	NA	NA	AR98	MW-16	12
AR25	MW-1	8	AR62	NA	NA	AR99	DW-3	3
AR26	MW-2	8	AR63	NA	NA	AR100	NA	79
AR27	MW-3	8	AR64	NA	NA	AR101	NA	79
AR28	M-1	34	AR65	NA	NA	AR102	NA	79
AR29	MW-K4	20	AR66	NA	NA	AR103	NA	79
AR30	B-6	23	AR67	NA	NA	AR104	NA	79
AR31	B-7	23	AR68	NA	NA	AR105	NA	79
AR32	B-9	23	AR69	MW-1	5	AR106	NA	79
AR33	B-10	23	AR70	N/A	N/A	AR107	NA	NA
AR34	AKC-B1	36	AR71	N/A	N/A	AR108	NA	NA
AR35	AKC-B2	36	AR72	USGS	NA	AR109	NA	NA
AR36	AKC-B3	36	AR73	MW-1	50	AR110	NA	NA
AR37	AKC-B4	36	AR74	MW-2	50	AR111	NA	79

Table 2. Vertical and horizontal controls of observation wells in the Alaska Railroad Industrial area.
[MP, measuring point; NA, not available; FMUS, Fairbanks Municipal Utilities System]

This report well ID (plate 1)	Horizontal Datum				Vertical Datum		Location
	Latitude	Longitude	X East	Y North	MP elevation	Ground elevation	
AR1	645005	1474311	232599.8	3968336.5	440.36	440.5	Kelly Tire, in street
AR2	645059	1474302	232752.6	3968784.2	439.56	439.9	Chevron
AR3	645107	1474317	232100.8	3969578.1	440.62	438.1	Suburban Propane
AR4	645101	1474306	232559.6	3968964.5	439.69	436.9	Texaco
AR5	NA	NA	NA	NA	NA	NA	Texaco Storage
AR6	NA	NA	NA	NA	NA	NA	Saupe
AR7	645102	1474308	232483.1	3969100.9	440.08	437.7	Saupe
AR8	645104	1474311	232348.1	3969264.6	440.19	NA	Saupe
AR9	645106	1474316	232161.8	3969491.6	438.24	438.4	Surburban Propane
AR10	645104	1474314	232249.1	3969291.6	439.23	NA	Texaco storage
AR11	645104	1474313	232293.4	3969290.4	436.89	437.0	RR Tracks
AR12	645105	1474315	232196.6	3969399.7	NA	438.7	Surburbun Propane
AR13	645105	1474313	232274.3	3969420.2	438.21	NA	Surburban Propane
AR14	645104	1474314	232229.3	3969282.6	437.81	438.0	Surburban Propane
AR15	645106	1474315	232212.5	3969494.7	440.81	437.8	Surburban Propane
AR16	645103	1474320	231985.4	3969617.2	437.32	437.4	Sourdough Express
AR17	645050	1474417	229482.9	3967989.9	439.05	NA	FMUS
AR18	645049	1474417	229473.7	3967885.9	433.87	NA	FMUS
AR19	645047	1474411	229740.1	3967698.5	434.91	435.0	Badger Street
AR20	645047	1474411	229741.0	3967693.9	434.99	435.0	Badger Street
AR21	NA	NA	NA	NA	NA	NA	Downtown Location
AR22	NA	NA	NA	NA	NA	NA	Downtown Location
AR23	NA	NA	NA	NA	NA	NA	Downtown Location
AR24	NA	NA	NA	NA	NA	NA	Downtown Location
AR25	645104	1474302	232770.7	3969343.7	442.44	439.5	GVEA Nerlands
AR26	645105	1474311	232387.5	3969378.6	440.25	437.7	GVEA Nerlands
AR27	645107	1474306	232600.3	3969579.7	441.51	439.0	GVEA Nerlands
AR28	645100	1474423	229269.1	3968990.4	434.43	NA	Craig Taylor
AR29	645055	1474304	232668.2	3968400.3	440.29*	NA	Kelly Tire
AR30	NA	NA	NA	NA	NA	NA	Kelly Tire
AR31	645055	1474303	232676.2	3968350.7	439.96	440.6	Kelly Tire
AR32	645059	1474300	232825.7	3968796.5	438.85	439.6	Chevron Station
AR33	645059	1474300	232815.7	3968759.6	440.09	440.4	Chevron Station
AR34	645058	1474302	232739.1	3968713.6	440.59	440.8	Chevron Station
AR35	645059	1474301	232788.5	3968807.1	439.30	439.6	Chevron Station
AR36	645059	1474300	232840.4	3968741.6	440.49	440.8	Chevron Station
AR37	645058	1474259	232891.8	3968723.6	441.28	441.5	Chevron Station
AR38	645108	1474311	232362.2	3969679.1	440.70	438.2	Alaska Gold
AR39	645108	1474307	232552.2	3969664.9	441.65	439.1	Alaska Gold
AR40	645110	1474309	232460.7	3969912.9	441.17	438.1	Alaska Gold

Table 2. Vertical and horizontal controls of observation wells in the Alaska Railroad Industrial area.
[MP, measuring point; NA, not available; FMUS, Fairbanks Municipal Utilities System]
–Continued–

This report well ID (plate 1)	Horizontal Datum				Vertical Datum		Location
	Latitude	Longitude	X East	Y North	MP elevation	Ground elevation	
AR41	645110	1474308	232511.3	3969871.4	441.42	438.0	Alaska Gold
AR42	645053	1474303	232701.3	3968197.1	439.93	440.5	Kelly Tire
AR43	645053	1474305	232596.0	3968181.1	439.89	440.1	Kelly Tire
AR44	645052	1474304	232658.5	3968048.9	439.68	439.8	Ace Hardware
AR45	645100	1474316	232153.0	3968889.5	440.58	438.2	Petroleum Sales
AR46	645058	1474319	232071.2	3968719.9	436.07*	436.1	Petroleum Sales
AR47	645107	1474323	231849.3	3969654.8	438.07	438.3	Sourdough Express
AR48	645108	1474324	231810.2	3969724.5	437.25	437.6	Sourdough Express
AR49	645105	1474321	231934.0	3969467.7	439.31	437.0	Sourdough Express
AR50	645106	1474320	232000.0	3969553.7	437.33	437.4	Sourdough Express
AR51	645107	1474318	232062.3	3969659.7	436.86	437.4	Sourdough Express
AR52	645112	1474326	231756.6	3970115.5	438.53	435.9	GVEA
AR53	645111	1474314	232276.0	3970041.7	440.42	437.4	GVEA
AR54	645114	1474326	232174.3	3970366.9	439.59	436.9	GVEA
AR55	645112	1474309	232468.8	3970137.7	439.16	436.5	GVEA
AR56	645108	1474300	232853.0	3969746.7	441.08	438.2	GVEA
AR57	645110	1474257	232973.3	3969950.3	NA	439.9	GVEA
AR58	645115	1474254	233124.2	3970451.7	440.31	437.5	GVEA
AR59	645117	1474305	232678.0	3970650.2	440.10	437.6	GVEA
AR60	645058	1474225	234355.0	3968685.7	439.17	NA	Minnie Street
AR61	645059	1474224	234186.8	3968764.3	438.01	NA	Minnie Street
AR62	645058	1474226	234306.0	3968664.6	438.61	438.7	Minnie Street
AR63	645059	1474230	234142.5	3968712.8	NA	439.9	Minnie Street
AR64	645058	1474234	233943.5	3968711.3	438.18	438.2	Minnie Street
AR65	645042	1474251	233174.0	3967022.6	437.84	437.7	Aurora Motors
AR66	645041	1474249	232501.1	3968183.9	438.68	438.5	Aurora Motors
AR67	NA	NA	NA	NA	NA	NA	Aurora Motors
AR68	645100	1474421	229341.0	3968945.0	436.62	436.1	Craig Taylor
AR69	645100	1474424	229200.2	3969037.5	434.44	434.9	Craig Taylor
AR70	645101	1474300	232857.8	3968944.3	NA	NA	FC1-1-3DDCC1-5
AR71	645116	1474245	233547.3	3970450.3	NA	NA	FC1-1-3DADB1-7
AR72	645101	1474250	233298.6	3967110.2	437.91	NA	1st Avenue on median
AR73	645058	1474346	230822.3	3968785.1	438.13	438.3	SIG WOLD Property
AR74	645058	1474348	230773.6	3968787.9	437.61	437.9	SIG WOLD Property
AR75	645058	1474348	230763.6	3968739.8	437.87	438.2	SIG WOLD Property
AR76	645101	1474317	232090.8	3968927.4	436.92	436.9	Well on RR Tracks
AR77	645102	1474316	232161.7	3969052.0	436.52	NA	Well on RR Tracks
AR78	645100	1474426	229212.0	3969026.9	NA	NA	Craig Taylor
AR79	645100	1474426	229105.0	3968990.9	434.81	434.7	Craig Taylor
AR80	645101	1474307	232518.9	3968996.9	438.18	NA	Under Oil Rd. Pavement

Table 2. Vertical and horizontal controls of observation wells in the Alaska Railroad Industrial area.
[MP, measuring point; NA, not available; FMUS, Fairbanks Municipal Utilities System]
--Continued--

This report well ID (plate 1)	Horizontal Datum				Vertical Datum		Location
	Latitude	Longitude	X East	Y North	MP elevation	Ground elevation	
AR81	645103	1474321	231916.4	3969225.9	437.09	437.1	Texaco Storage Yard
AR82	645104	1474314	232259.5	3969303.7	437.48	NA	Texaco Storage Yard
AR83	645103	1474312	232202.0	3969491.6	440.47	NA	Saupe
AR84	645058	1474228	234205.4	3968621.1	438.51	438.6	Clara Street
AR85	645104	1474320	231979.2	3969346.2	437.31	NA	Texaco Storage Yard
AR86	645104	1474310	232454.2	3969285.3	439.86	438.4	Saupe
AR87	NA	NA	NA	NA	NA	NA	Saupe
AR88	645104	1474312	232352.0	3969275.2	438.31	437.0	Saupe
AR89	NA	NA	NA	NA	NA	NA	Saupe
AR90	645104	1474311	232399.9	3969147.7	440.79	NA	Saupe - 12" Casing
AR91	645059	1474317	232119.1	3968796.0	439.80	NA	Petroleum Sales
AR92	NA	NA	NA	NA	NA	NA	Texaco Storage
AR93	NA	NA	NA	NA	NA	NA	Texaco Storage
AR94	NA	NA	NA	NA	NA	NA	Texaco Storage
AR95	645103	1474315	232208.9	3969166.4	435.53	435.9	Well on RR Tracks
AR96	645104	1474311	232372.2	3969238.7	440.21	NA	Saupe
AR97	645103	1474545	225738.2	3969322.1	440.97	437.5	Johansen Overpass
AR98	NA	NA	NA	NA	NA	NA	Well at M.U.S.
AR99	NA	NA	NA	NA	NA	NA	NA
AR100	645057	1474349	230728.9	3968595.7	440.82	438.9	FMUS coal transfer
AR101	645057	1474348	230772.2	3968594.5	440.70	439.3	FMUS coal transfer
AR102	645057	1474349	230728.9	3968595.7	440.92	438.5	FMUS coal transfer
AR103	645053	1474315	232187.4	3968149.4	440.79	438.3	Railroad depot station
AR104	645110	1474345	230937.9	396991.4	440.31	437.2	Eilson branch of RR
AR105	645055	1474335	231328.0	3968376.1	441.49	438.2	Heat Inc.
AR106	645104	1474356	230445.0	3969315.0	438.74	435.7	H&S
AR107	645056	1474290	231547.4	3968471.7	438.74	436.7	ARR yard
AR108	645103	1474340	231134.6	3969194.5	438.40	436.4	Bourough warehouse
AR109	645115	1474319	232083.0	3970370.0	441.94	440.1	Eilson branch of RR
AR110	645119	1474259	232971.0	3970777.0	436.62	434.6	Eilson branch of RR
AR111	645057	1474348	230750.0	3968554.0	441.16	439.0	FMUS coal transfer

Table 3. Surface-water discharge measurements for 1993 - 1994

Site ID	Location Description	Location (latitude, longitude)	Measurements	
			Date	Discharge (cubic feet per second)
1551400425	Noyes Slough at Minnie Street bridge at Fairbanks	Lat 64°50'53", long 147°42'24"	04-30-93	159
			05-07-93	202
			06-01-93	49
			06-07-93	23
			06-22-93	99
			06-30-93	12
			09-09-93	16
			09-22-93	296
			09-30-93	39
			05-20-94	0.2
			06-24-94	651
			07-07-94	129
1551400435	Noyes Slough at Illinois Street bridge at Fairbanks	Lat 64°51'16", long 147°42'50"	07-08-93	0.9
			07-21-93	0.5
			08-11-93	15
			08-25-93	14
			09-09-93	15
			10-08-93	2.2
			10-29-93	1.9
			11-16-93	0.8
			12-09-93	2.0
			12-23-93	1.6
			01-20-94	0.2
			05-05-94	55
			05-20-94	0.5
			05-25-94	0.5
			07-07-94	133
--	Noyes Slough at Isabella Creek upstream from mouth of Isabella Creek, 2500 feet downstream of O'Connor Road bridge at Fairbanks	Lat 64°51'26", long 147°43'47"	07-08-93	5.3
			07-21-93	3.7
			08-11-93	19
			08-25-93	16
			09-09-93	20
			12-23-93	1.4
			05-25-94	1.4
			06-15-94	0.6
			07-07-94	133
			07-29-94	3.7
1551400455	Noyes Slough at O'Connor Road bridge at Fairbanks	Lat 64°51'26", long 147°43'47"	06-30-93	14

Table 3. Surface-water discharge measurements for 1993 - 1994 – Continued

Site ID	Location Description	Location (latitude, longitude)	Measurements	
			Date	Discharge (cubic feet per second)
1551400550	Noyes Slough at Danby Street bridge at Fairbanks	Lat 64°51'41", long 147°44'30"	07-08-93	4.7
			07-21-93	3.2
			08-11-93	16
			08-25-93	14
			10-08-93	8.1
			11-16-93	3.6
			12-09-93	4.5
			12-23-93	2.1
			05-21-94	1.9
			05-25-94	2.5
			06-15-94	1.5
			07-07-94	141
			07-29-94	4.6
			09-07-94	0.4
1551400650	Noyes Slough at Aurora Drive bridge at Fairbanks	Lat 64°51'42", long 147°45'32"	05-28-93	82
			06-30-93	17
			07-08-93	6
			07-21-93	6
			12-23-93	1.9
			01-20-94	0.7
			05-21-94	3.0
			06-15-94	2.2
			05-25-94	2.7
			07-07-94	135
			07-29-94	5.2
			09-07-94	1
1551401550	Noyes Slough at West Johansen Expressway at bridge at Fairbanks	Lat 64°50'57", long 147°48'18"	06-07-93	36
			06-22-93	107
			06-30-93	23
–	Noyes Slough at Indiana Street at Fairbanks	Lat 64°50'51", long 147°48'26"	11-16-93	6.2
			05-25-94	4.5
			06-01-94	2.6
			06-15-94	2.9
			07-07-94	143
			09-07-94	3.1
15514016	Chena River at University Ave at bridge at Fairbanks	Lat 64°50'34", long 147°48'36"	03-24-94	328
			03-28-94	348

Table 4. Water-quality data for observation wells in the Alaska Railroad Industrial area, August 1993 - April 1995

[Values in micrograms per liter; < less than; all constituents are totals, unfiltered, recoverable; NA, not available; water temperature, °C; specific conductance, µS/cm at 25°C; dissolved oxygen, mg/l]

	Sampling site ID			
	AR3			
Date Sampled:	08/31/93	04/06/94	07/29/94	9/21/94
Constituent **Time Sampled:**	1711	1145	1427	1537
Dichlorobromomethane	<0.2	<0.2	<0.2	<0.2
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	**0.8**	**1.0**	**0.7**	**0.9**
Bromoform	<0.2	<0.2	<0.2	<0.2
Chlorodibromomethane	<0.2	<0.2	<0.2	<0.2
Chloroform	<0.2	<0.2	<0.2	<0.2
Toluene	<0.2	<0.2	<0.2	<0.2
Benzene	<0.2	**6.3**	**0.7**	**1.8**
Chlorobenzene	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.2	<0.2	<0.2	<0.2
Methylenechloride	<0.2	<0.2	<0.2	<0.2
Tetrachloroethylene	**0.2**	<0.2	**0.2**	**0.3**
Trichlorofluoromethane	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethane	<0.2	<0.2	**0.2**	**0.2**
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2
1,1,1-Trichloroethane	<0.2	<0.2	<0.2	<0.2
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<0.2
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2
Vinylchloride	<0.2	<0.2	<0.2	<0.2
Trichloroethylene	<0.2	<0.2	<0.2	<0.2
Cis-1,2-dichloroethene	<0.2	<0.2	<0.2	<0.2
Styrene	<0.2	<0.2	<0.2	<0.2
Freon 113	<0.5	<0.2	<0.2	<0.2
Methyl tert-butyl ether (MTBE)	NA	<0.2	<0.2	<0.2
Xylene	<0.2	<0.2	<0.2	<0.2
Water temperature	4.0	4.0	4.0	4.0
pH	7.1	7.0	7.0	6.8
Specific conductance	534	573	556	574
Dissolved oxygen	NA	-0.2	0.2	0.6

Table 4. Water-quality data for observation wells in the Alaska Railroad Industrial area, August 1993 - April 1995 -- Continued

[Values in micrograms per liter; < less than; all constituents are totals, unfiltered, recoverable; NA, not available; water temperature, °C; specific conductance, µS/cm at 25°C; dissolved oxygen, mg/l]

	Sampling site ID						
	AR4						
Date Sampled:	08/31/93	04/06/94	07/29/94	07/29/94	09/22/94	04/11/95	04/11/95
Constituent **Time Sampled:**	1648	0925	1316	1317	0928	1243	1244
Dichlorobromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	**0.6**	**0.9**	**0.3**	**0.4**	**0.6**	**0.4**	**0.4**
Bromoform	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorodibromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	<0.2	<0.2	<0.2	<0.2	<0.2	**0.2**	<0.2
Toluene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorobenzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methylenechloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Tetrachloroethylene	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.2**	**0.2**
Trichlorofluoromethane	**0.2**	**0.2**	**0.4**	**0.4**	**0.3**	<0.2	<0.2
1,1-Dichloroethane	**0.2**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1,1-Trichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinylchloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethylene	**0.3**	**0.3**	<0.2	**0.3**	**0.3**	**0.3**	**0.3**
Cis-1,2-dichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	**9.0**	<0.2
Styrene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Freon 113	<0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methyl tert-butyl ether (MTBE)	NA	<0.2	**0.4**	**0.4**	**0.5**	**1.5**	**1.6**
Xylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Water temperature	4.0	3.0	3.0	4.0	3.0	NA	
pH	6.7	6.9	6.8	6.7	6.94	NA	
Specific conductance	462	580	482	486	455	NA	
Dissolved oxygen	NA	0.0	0.3	0.3	0.3	NA	

Table 4. Water-quality data for observation wells in the Alaska Railroad Industrial area, August 1993 - April 1995 – Continued

[Values in micrograms per liter; < less than; all constituents are totals, unfiltered, recoverable; NA, not available; water temperature, ^{0}C; specific conductance, µS/cm at 25^{0}C; dissolved oxygen, mg/l]

	Sampling site ID				
	AR7				
Date Sampled:	09/01/93	04/06/94	07/29/94	9/22/94	04/11/95
Constituent **Time Sampled:**	0846	1653	1349	1027	1543
Dichlorobromomethane	<0.2	<0.2	<100	<0.2	<200
Carbontetrachloride	<0.2	<0.2	<100	<0.2	<200
1,2-Dichloroethane	<0.2	<25	<100	<0.2	<200
Bromoform	<0.2	<0.2	<100	<0.2	<200
Chlorodibromomethane	<0.2	<0.2	<100	<0.2	<200
Chloroform	<0.2	<0.2	<100	<0.2	<200
Toluene	**1900.**	**3800.0**	**4400.0**	**3600.0**	**1800.0**
Benzene	**560.**	**630.0**	**1400.0**	**1000.0**	**980.0**
Chlorobenzene	<0.2	<0.2	<100	<0.2	<200
Ethylbenzene	**450.**	**950.0**	**1200.0**	**1100.0**	**1000.0**
Methylenechloride	<0.2	<0.2	<100	<3.3	<200
Tetrachloroethylene	**8.5**	<6.1	<100	**6.9**	<200
Trichlorofluoromethane	<0.2	<0.2	<100	<0.2	<200
1,1-Dichloroethane	<0.2	**1.0**	<100	**1.4**	<200
1,1-Dichloroethylene	<0.2	<0.2	<100	<0.2	<200
1,1,1-Trichloroethane	<0.2	<0.2	<100	**0.8**	<200
Benzene, o-chloro	<0.2	<0.2	<100	**0.3**	<200
1,2-Dichloropropane	<0.2	<0.2	<100	<0.2	<200
1,2-Transdichloroethene	<0.2	<0.2	<100	<0.2	<200
Benzene, 1,3-dichloro	<0.2	<0.2	<100	<0.2	<200
Benzene, 1,4-dichloro	<0.2	<0.2	<100	<0.2	<200
Dichlorodifluoromethane	<0.2	<0.2	<100	<0.2	<200
Vinylchloride	<0.2	<0.2	<100	<0.2	<200
Trichloroethylene	<0.2	**1.5**	<100	**1.7**	<200
Cis-1,2-dichloroethene	<0.2	**0.3**	<100	**0.4**	<200
Styrene	<0.2	<24	<100	<13	<200
Freon 113	<0.5	<0.2	<100	<0.2	<200
Methyl tert-butyl ether (MTBE)	NA	<0.2	<100	<0.2	<200
Xylene	**3000.**	**5900.0**	**6100.0**	**5700.0**	**5300.0**

Table 4. Water-quality data for observation wells in the Alaska Railroad Industrial area, August 1993 - April 1995 – Continued

[Values in micrograms per liter; < less than; all constituents are totals, unfiltered, recoverable; NA, not available; water temperature, ^{0}C; specific conductance, µS/cm at $25^{0}C$; dissolved oxygen, mg/l]

	Sampling site ID	
	AR8	
Date Sampled:	09/01/93	04/11/95
Constituent **Time Sampled:**	0835	1505
Dichlorobromomethane	<0.2	<0.2
Carbontetrachloride	<0.2	<0.2
1,2-Dichloroethane	**0.7**	**0.3**
Bromoform	<0.2	<0.2
Chlorodibromomethane	<0.2	<0.2
Chloroform	<0.2	<0.2
Toluene	**0.2**	<0.2
Benzene	**5.9**	**0.3**
Chlorobenzene	<0.2	<0.2
Ethylbenzene	<0.2	<0.2
Methylenechloride	**0.2**	<0.2
Tetrachloroethylene	<0.2	<0.2
Trichlorofluoromethane	<0.2	<0.2
1,1-Dichloroethane	**0.2**	<0.2
1,1-Dichloroethylene	<0.2	<0.2
1,1,1-Trichloroethane	<0.2	<0.2
Benzene, o-chloro	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2
1,2-Transdichloroethene	<0.2	<0.2
Benzene, 1,3-dichloro	<0.2	<0.2
Benzene, 1,4-dichloro	<0.2	<0.2
Dichlorodifluoromethane	<0.2	<0.2
Vinylchloride	<0.2	<0.2
Trichloroethylene	**0.2**	<0.2
Cis-1,2-dichloroethene	<0.2	<0.2
Styrene	<0.2	<0.2
Freon 113	<0.5	<0.2
Methyl tert-butyl ether (MTBE)	NA	<0.2
Xylene	**0.2**	**0.3**
Water temperature	4.5	4.0
pH	7.2	7.2
Specific conductance	442	453
Dissolved oxygen	NA	0.3

Table 4. Water-quality data for observation wells in the Alaska Railroad Industrial area, August 1993 - April 1995 -- Continued

[Values in micrograms per liter; < less than; all constituents are totals, unfiltered, recoverable; NA, not available; water temperature, ^{0}C; specific conductance, µS/cm at 25^{0}C; dissolved oxygen, mg/l]

	Sampling site ID				
	AR25				
Date Sampled:	08/31/93	04/05/94	07/28/94	9/21/94	4/11/95
Constituent **Time Sampled:**	1104	1657	1053	1747	1141
Dichlorobromomethane	<0.2	<0.2	<0.2	<0.2	NA
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2	NA
1,2-Dichloroethane	<0.2	<0.2	**0.2**	<0.2	NA
Bromoform	<0.2	<0.2	<0.2	<0.2	NA
Chlorodibromomethane	<0.2	<0.2	<0.2	<0.2	NA
Chloroform	<0.2	<0.2	<0.2	<0.2	NA
Toluene	<0.2	<0.2	<0.2	<0.2	NA
Benzene	<0.2	<0.2	<0.2	<0.2	NA
Chlorobenzene	<0.2	<0.2	<0.2	<0.2	NA
Ethylbenzene	<0.2	<0.2	<0.2	<0.2	NA
Methylenechloride	<0.2	<0.2	<0.2	<0.2	NA
Tetrachloroethylene	<0.2	<0.2	<0.2	<0.2	NA
Trichlorofluoromethane	<0.2	**5.8**	**5.6**	<0.2	NA
1,1-Dichloroethane	<0.2	<0.2	<0.2	<0.2	NA
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2	NA
1,1,1-Trichloroethane	<0.2	<0.2	<0.2	<0.2	NA
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2	NA
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	NA
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2	NA
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<0.2	NA
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<0.2	NA
Dichlorodifluoromethane	**7.2**	<0.2	<0.2	<0.2	NA
Vinylchloride	<0.2	<0.2	<0.2	<0.2	NA
Trichloroethylene	<0.2	<0.2	<0.2	<0.2	NA
Cis-1,2-dichloroethene	<0.2	<0.2	<0.2	**0.2**	NA
Styrene	<0.2	<0.2	<0.2	<0.2	NA
Freon 113	<0.5	<0.2	<0.2	<0.2	NA
Methyl tert-butyl ether (MTBE)	NA	<0.2	<0.2	<0.2	NA
Xylene	<0.2	<0.2	<0.2	<0.2	NA
Water temperature	NA	4.0	5.0	6.5	3.5
pH	NA	6.7	6.7	6.5	6.8
Specific conductance	NA	934	773	857	891
Dissolved oxygen	NA	3.4	7.3	5.8	2.0

Table 4. Water-quality data for observation wells in the Alaska Railroad Industrial area, August 1993 - April 1995 – Continued

[Values in micrograms per liter; < less than; all constituents are totals, unfiltered, recoverable; NA, not available; water temperature, ^{0}C; specific conductance, µS/cm at 25^{0}C; dissolved oxygen, mg/l]

	Sampling site ID				
	AR26				
Date Sampled:	08/31/93	04/06/94	07/28/94	9/21/94	4/11/95
Constituent **Time Sampled:**	1725	1101	1017	1201	0929
Dichlorobromomethane	<0.2	<0.2	<0.2	<0.2	NA
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2	NA
1,2-Dichloroethane	<0.2	**1.0**	<0.2	<0.2	NA
Bromoform	<0.2	<0.2	<0.2	<0.2	NA
Chlorodibromomethane	<0.2	<0.2	<0.2	<0.2	NA
Chloroform	<0.2	<0.2	<0.2	<0.2	NA
Toluene	<0.2	<0.2	<0.2	<0.2	NA
Benzene	**28.0**	**34.0**	**21.0**	**29.0**	NA
Chlorobenzene	<0.2	<0.2	<0.2	<0.2	NA
Ethylbenzene	<0.2	**20.0**	<0.2	**17.0**	NA
Methylenechloride	<0.2	<0.2	<0.2	<0.2	NA
Tetrachloroethylene	<0.2	<0.2	<0.2	<0.2	NA
Trichlorofluoromethane	<0.2	<0.2	<0.2	<0.2	NA
1,1-Dichloroethane	<0.2	<0.2	<0.2	<0.2	NA
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2	NA
1,1,1-Trichloroethane	<0.2	<0.2	<0.2	<0.2	NA
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2	NA
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	NA
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2	NA
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<0.2	NA
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<0.2	NA
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	NA
Vinylchloride	<0.2	<0.2	<0.2	<0.2	NA
Trichloroethylene	<0.2	<0.2	<0.2	<0.2	NA
Cis-1,2-dichloroethene	<0.2	<0.2	<0.2	<0.2	NA
Styrene	<0.2	**0.3**	<0.2	<0.2	NA
Freon 113	<0.5	<0.2	<0.2	<0.2	NA
Methyl tert-butyl ether (MTBE)	NA	<0.2	<0.2	<0.2	NA
Xylene	**9.7**	**26.0**	**8.2**	**17.0**	NA
Water temperature	4.5	3.5	3.5	4.5	4.0
pH	7.1	7.1	6.9	6.7	7.1
Specific conductance	1174	1600	2030	2370	1420
Dissolved oxygen	NA	0.0	0.2	0.2	2.5

Table 4. Water-quality data for observation wells in the Alaska Railroad Industrial area, August 1993 - April 1995 – Continued

[Values in micrograms per liter; < less than; all constituents are totals, unfiltered, recoverable; NA, not available; water temperature, ^{0}C; specific conductance, µS/cm at 25^{0}C; dissolved oxygen, mg/l]

	Sampling site ID			
	AR27			
Date Sampled:	08/31/93	04/05/94	07/28/94	9/21/94
Constituent **Time Sampled:**	1315	1755	0957	1025
Dichlorobromomethane	<0.2	<0.2	<0.2	<0.2
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	<0.2	<0.2	<0.2	<0.2
Bromoform	<0.2	<0.2	<0.2	<0.2
Chlorodibromomethane	<0.2	<0.2	<0.2	<0.2
Chloroform	<0.2	<0.2	<0.2	<0.2
Toluene	<0.2	<0.2	<0.2	<0.2
Benzene	<0.2	<0.2	<0.2	<0.2
Chlorobenzene	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.2	<0.2	<0.2	<0.2
Methylenechloride	<0.2	<0.2	<0.2	<0.2
Tetrachloroethylene	<0.2	<0.2	<0.2	<0.2
Trichlorofluoromethane	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethane	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2
1,1,1-Trichloroethane	<0.2	<0.2	<0.2	<0.2
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<0.2
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2
Vinylchloride	<0.2	<0.2	<0.2	<0.2
Trichloroethylene	<0.2	<0.2	<0.2	<0.2
Cis-1,2-dichloroethene	<0.2	<0.2	<0.2	<0.2
Styrene	<0.2	<0.2	<0.2	<0.2
Freon 113	<0.5	<0.2	<0.2	<0.2
Methyl tert-butyl ether (MTBE)	NA	<0.2	<0.2	<0.2
Xylene	<0.2	<0.2	<0.2	<0.2
Water temperature	6.0	2.5	3.5	5.0
pH	6.9	7.0	6.9	6.7
Specific conductance	674	596	607	641
Dissolved oxygen	NA	2.2	3.6	2.5

Table 4. Water-quality data for observation wells in the Alaska Railroad Industrial area, August 1993 - April 1995 – Continued

[Values in micrograms per liter; < less than; all constituents are totals, unfiltered, recoverable; NA, not available; water temperature, °C; specific conductance, µS/cm at 25°C; dissolved oxygen, mg/l]

	Sampling site ID	
	AR35	
Date Sampled:	09/01/93	07/29/94
Constituent **Time Sampled:**	0918	1717
Dichlorobromomethane	<0.2	<100
Carbontetrachloride	<0.2	<100
1,2-Dichloroethane	<0.2	<100
Bromoform	<0.2	<100
Chlorodibromomethane	<0.2	<100
Chloroform	<0.2	<100
Toluene	**2000.**	**6400.0**
Benzene	**1500.**	**2300.0**
Chlorobenzene	<0.2	<100
Ethylbenzene	<0.2	**1350.0**
Methylenechloride	<0.2	<100
Tetrachloroethylene	**0.3**	<100
Trichlorofluoromethane	<0.2	<100
1,1-Dichloroethane	<0.2	<100
1,1-Dichloroethylene	<0.2	<100
1,1,1-Trichloroethane	<0.2	<100
Benzene, o-chloro	<0.2	<100
1,2-Dichloropropane	<0.2	<100
1,2-Transdichloroethene	<0.2	<100
Benzene, 1,3-dichloro	<0.2	<100
Benzene, 1,4-dichloro	<0.2	<100
Dichlorodifluoromethane	<0.2	<100
Vinylchloride	<0.2	<100
Trichloroethylene	<0.2	<100
Cis-1,2-dichloroethene	<0.2	<100
Styrene	**2.6**	<100
Freon 113	<0.5	<100
Methyl tert-butyl ether (MTBE)	NA	<100
Xylene	**2000.**	**3400.0**
Water temperature	5.5	4.0
pH	6.8	6.9
Specific conductance	764	876
Dissolved oxygen	NA	0.3

Table 4. Water-quality data for observation wells in the Alaska Railroad Industrial area, August 1993 - April 1995 – Continued

[Values in micrograms per liter; < less than; all constituents are totals, unfiltered, recoverable; NA, not available; water temperature, ^{0}C; specific conductance, µS/cm at 25^{0}C; dissolved oxygen, mg/l]

	Sampling site ID				
	AR38				
Date Sampled:	08/31/93	04/06/94	08/08/94	08/08/94	09/21/94
Constituent **Time Sampled:**	1413	1237	1125	1126	1234
Dichlorobromomethane	<0.2	<0.2	<0.2	<0.2	<0.2
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	**0.6**	**0.7**	**0.3**	**0.3**	**0.5**
Bromoform	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorodibromomethane	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	<0.2	<0.2	**0.5**	**0.4**	<0.2
Toluene	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorobenzene	<0.2	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.2	<0.2	<0.2	<0.2	<0.2
Methylenechloride	<0.2	<0.2	<0.2	<0.2	<0.2
Tetrachloroethylene	**0.9**	**0.9**	**0.4**	**0.4**	**0.8**
Trichlorofluoromethane	**0.3**	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethane	**0.2**	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2
1,1,1-Trichloroethane	**0.2**	<0.2	<0.2	<0.2	<0.2
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2
Vinylchloride	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2
Cis-1,2-dichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	<0.2	<0.2	<0.2	<0.2	<0.2
Freon 113	<0.5	<0.2	<0.2	<0.2	<0.2
Methyl tert-butyl ether (MTBE)	NA	<0.2	<0.2	<0.2	<0.2
Xylene	<0.2	<0.2	<0.2	<0.2	<0.2
Water temperature	4.0	3.0	3.0	NA	3.5
pH	6.7	7.0	NA	NA	6.7
Specific conductance	618	644	728	NA	724
Dissolved oxygen	NA	0.0	NA	NA	0.5

Table 4. Water-quality data for observation wells in the Alaska Railroad Industrial area, August 1993 - April 1995 – Continued

[Values in micrograms per liter; < less than; all constituents are totals, unfiltered, recoverable; NA, not available; water temperature, ^{0}C; specific conductance, µS/cm at 25^{0}C; dissolved oxygen, mg/l]

	Sampling site ID		
	AR42		
Date Sampled:	08/31/93	07/29/94	9/21/94
Constituent **Time Sampled:**	0940	1649	1717
Dichlorobromomethane	<0.2	<0.2	<0.2
Carbontetrachloride	<0.2	<0.2	<0.2
1,2-Dichloroethane	<0.2	<0.2	<0.2
Bromoform	<0.2	<0.2	<0.2
Chlorodibromomethane	<0.2	<0.2	<0.2
Chloroform	<0.2	<0.2	<0.2
Toluene	<0.2	**0.2**	<0.2
Benzene	<0.2	**18.7**	**5.0**
Chlorobenzene	<0.2	<0.2	<0.2
Ethylbenzene	<0.2	**1.7**	<0.2
Methylenechloride	<0.2	<0.2	<0.2
Tetrachloroethylene	<0.2	<0.2	<0.2
Trichlorofluoromethane	<0.2	<0.2	<0.2
1,1-Dichloroethane	<0.2	<0.2	<0.2
1,1-Dichloroethylene	<0.2	<0.2	<0.2
1,1,1-Trichloroethane	<0.2	<0.2	<0.2
Benzene, o-chloro	<0.2	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.2
1,2-Transdichloroethene	<0.2	<0.2	<0.2
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2
Dichlorodifluoromethane	<0.2	<0.2	<0.2
Vinylchloride	<0.2	<0.2	<0.2
Trichloroethylene	<0.2	<0.2	<0.2
Cis-1,2-dichloroethene	<0.2	<0.2	<0.2
Styrene	<0.2	**0.9**	<0.2
Freon 113	<0.5	<0.2	<0.2
Methyl tert-butyl ether (MTBE)	NA	<0.2	<0.2
Xylene	<0.2	**0.3**	<0.2
Water temperature	5.5	5.5	5.0
pH	6.7	6.6	6.5
Specific conductance	417	394	383
Dissolved oxygen	NA	0.3	0.6

Table 4. Water-quality data for observation wells in the Alaska Railroad Industrial area, August 1993 - April 1995 – Continued

[Values in micrograms per liter; < less than; all constituents are totals, unfiltered, recoverable; NA, not available; water temperature, ^{0}C; specific conductance, µS/cm at $25^{0}C$; dissolved oxygen, mg/l]

	Sampling site ID					
	AR44					
Date Sampled:	08/31/93	04/06/94	07/29/94	9/22/94	09/22/94	04/11/95
Constituent **Time Sampled:**	1911	1746	1752	1002	1002	1645
Dichlorobromomethane	<0.2	<0.2	<100	<5	<40	<20
Carbontetrachloride	<0.2	<0.2	<100	<5	<40	<20
1,2-Dichloroethane	<0.2	<18	<100	<5	<40	<20
Bromoform	<0.2	<20	<100	<5	<40	<20
Chlorodibromomethane	<0.2	<20	<100	<5	<40	<20
Chloroform	<0.2	<0.2	<100	<5	<40	<20
Toluene	**1800.**	**4100.0**	**3200.0**	**2100.0**	**2100.0**	**7200.0**
Benzene	**780.**	**750.0**	**860.0**	**430.0**	**450.0**	**1800.0**
Chlorobenzene	<0.2	<20	<100	<5	<40	<20
Ethylbenzene	**600.**	**1100.0**	**360.0**	**560.0**	**560.0**	**900.0**
Methylenechloride	<0.2	<0.2	<100	<5	<40	<20
Tetrachloroethylene	<0.2	<20	<100	<5	<40	<20
Trichlorofluoromethane	<0.2	<0.2	<100	<5	<40	<20
1,1-Dichloroethane	<0.2	<0.2	<100	<5	<40	<20
1,1-Dichloroethylene	<0.2	<0.2	<100	<5	<40	<20
1,1,1-Trichloroethane	<0.2	<0.2	<100	<5	<40	<20
Benzene, o-chloro	<0.2	<0.2	<100	<5	<40	<20
1,2-Dichloropropane	<0.2	<0.2	<100	<12	<40	<20
1,2-Transdichloroethene	<0.2	<0.2	<100	<5	<40	<20
Benzene, 1,3-dichloro	<0.2	<20	<100	<5	<40	<20
Benzene, 1,4-dichloro	<0.2	<20	<100	<5	<40	<20
Dichlorodifluoromethane	<0.2	<0.2	<100	<5	<40	<20
Vinylchloride	<0.2	<0.2	<100	<5	<40	<20
Trichloroethylene	<0.2	<2.2	<100	<5	<40	<20
Cis-1,2-dichloroethene	<0.2	<0.2	<100	<5	<40	<20
Styrene	<0.2	<20	<100	<5	<40	<20
Freon 113	<0.5	<20	<100	<5	<40	<20
Methyl tert-butyl ether (MTBE)	NA	<20	<100	<5	<40	<20
Xylene	**3000.**	**6900.0**	**3450.0**	**4000.0**	**4100.0**	**5500.0**

Table 4. Water-quality data for observation wells in the Alaska Railroad Industrial area, August 1993 - April 1995 – Continued

[Values in micrograms per liter; < less than; all constituents are totals, unfiltered, recoverable; NA, not available; water temperature, °C; specific conductance, µS/cm at 25°C; dissolved oxygen, mg/l]

	Sampling site ID				
	AR47				
Date Sampled:	08/30/93	04/05/94	07/28/94	9/21/94	04/11/95
Constituent **Time Sampled:**	1940	1518	1223	1425	1021
Dichlorobromomethane	<0.2	<0.2	<0.2	<0.2	<0.2
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	**0.2**	<0.2	**0.4**	**0.2**	<0.2
Bromoform	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorodibromomethane	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	**1.0**	**4.0**	**2.1**	**0.8**	**5.5**
Toluene	<0.2	<0.2	<0.2	<0.2	**0.3**
Benzene	<0.2	<0.2	<0.2	**0.3**	<0.2
Chlorobenzene	<0.2	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.2	<0.2	<0.2	<0.2	<0.2
Methylenechloride	**0.2**	**1.0**	**0.2**	<0.2	**1.1**
Tetrachloroethylene	**0.9**	**0.8**	**0.7**	**1.1**	**0.9**
Trichlorofluoromethane	**5.2**	**3.6**	**7.2**	**8.3**	**1.2**
1,1-Dichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2
1,1,1-Trichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	**1.2**	<0.2	**0.6**	**0.6**	**0.2**
Vinylchloride	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2
Cis-1,2-dichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	<0.2	<0.2	<0.2	<0.2	<0.2
Freon 113	<0.5	<0.2	<0.2	<0.2	<0.2
Methyl tert-butyl ether (MTBE)	NA	<0.2	<0.2	<0.2	<0.2
Xylene	<0.2	<0.2	<0.2	**0.3**	<0.2
Water temperature	9.5	3.0	6.5	7.5	3.0
pH	6.4	6.4	6.2	6.1	6.3
Specific conductance	508	636	628	672	426
Dissolved oxygen	NA	0.2	0.2	0.7	0.2

Table 4. Water-quality data for observation wells in the Alaska Railroad Industrial area, August 1993 - April 1995 -- Continued

[Values in micrograms per liter; < less than; all constituents are totals, unfiltered, recoverable; NA, not available; water temperature, °C; specific conductance, µS/cm at 25°C; dissolved oxygen, mg/l]

	Sampling site ID					
	AR49					
Date Sampled:	08/31/93	08/31/93	04/05/94	07/29/94	9/21/94	4/11/95
Constituent **Time Sampled:**	1445	1446	1435	1254	1401	0945
Dichlorobromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	NA
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2	<0.2	NA
1,2-Dichloroethane	**0.6**	**0.6**	**1.6**	**0.7**	**1.4**	NA
Bromoform	<0.2	<0.2	<0.2	<0.2	<0.2	NA
Chlorodibromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	NA
Chloroform	<0.2	<0.2	<0.2	<0.2	<0.2	NA
Toluene	<0.2	<0.2	**0.6**	<0.2	**0.3**	NA
Benzene	<0.2	<0.2	**25.0**	**4.4**	**22.0**	NA
Chlorobenzene	<0.2	<0.2	<0.2	<0.2	<0.2	NA
Ethylbenzene	<0.2	<0.2	**6.0**	**0.3**	**7.2**	NA
Methylenechloride	<0.2	<0.2	<0.2	<0.2	<0.2	NA
Tetrachloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	NA
Trichlorofluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2	NA
1,1-Dichloroethane	**0.2**	**0.2**	<0.2	<0.2	<0.2	NA
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	NA
1,1,1-Trichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2	NA
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2	<0.2	NA
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2	NA
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	NA
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	NA
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	NA
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2	NA
Vinylchloride	<0.2	<0.2	<0.2	<0.2	<0.2	NA
Trichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	NA
Cis-1,2-dichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	NA
Styrene	<0.2	<0.2	<0.2	<0.2	<0.2	NA
Freon 113	<0.5	<0.5	<0.2	<0.2	<0.2	NA
Methyl tert-butyl ether (MTBE)	NA	NA	<0.2	<0.2	<0.2	NA
Xylene	**0.9**	**0.7**	**16.0**	**0.7**	**16.0**	NA
Water temperature	4.5	NA	3.0	3.0	4.0	3.0
pH	6.7	NA	7.0	6.8	6.6	6.9
Specific conductance	616	NA	716	632	716	665
Dissolved oxygen	NA	NA	0.3	0.3	0.6	1.6

Table 4. Water-quality data for observation wells in the Alaska Railroad Industrial area, August 1993 - April 1995 -- Continued

[Values in micrograms per liter; < less than; all constituents are totals, unfiltered, recoverable; NA, not available; water temperature, ^{0}C; specific conductance, µS/cm at 25^{0}C; dissolved oxygen, mg/l]

	Sampling site ID					
	AR58					
Date Sampled:	08/31/93	04/05/94	04/05/94	07/28/94	9/21/94	09/21/94
Constituent **Time Sampled:**	0902	1601	1604	1123	1307	1309
Dichlorobromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	**0.2**	**0.4**	**0.4**	**0.5**	**0.7**	**0.6**
Bromoform	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorodibromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene	**0.2**	**0.4**	**0.3**	**0.6**	**0.6**	**0.6**
Chlorobenzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methylenechloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Tetrachloroethylene	**0.3**	**1.6**	**1.3**	**3.2**	**2.7**	**2.6**
Trichlorofluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1,1-Trichloroethane	**0.2**	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinylchloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethylene	**2.2**	**5.6**	**5.0**	**8.1**	**8.6**	**7.6**
Cis-1,2-dichloroethene	**1.4**	**1.5**	**1.4**	**1.7**	**2.2**	**1.8**
Styrene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Freon 113	<0.5	<0.2	<0.2	<0.2	<0.2	<0.2
Methyl tert-butyl ether (MTBE)	NA	<0.2	<0.2	<0.2	<0.2	<0.2
Xylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Water temperature	5.5	3.5	NA	3.5	6.5	NA
pH	6.5	6.7	NA	6.6	6.3	NA
Specific conductance	552	567	NA	532	596	NA
Dissolved oxygen	NA	0.2	NA	0.3	0.3	NA

Table 4. Water-quality data for observation wells in the Alaska Railroad Industrial area, August 1993 - April 1995 – Continued

[Values in micrograms per liter; < less than; all constituents are totals, unfiltered, recoverable; NA, not available; water temperature, ^{0}C; specific conductance, µS/cm at 25^{0}C; dissolved oxygen, mg/l]

	Sampling site ID	
	AR76	
Date Sampled:	09/01/93	04/11/95
Constituent **Time Sampled:**	0935	1343
Dichlorobromomethane	<0.2	<2
Carbontetrachloride	<0.2	<2
1,2-Dichloroethane	**0.2**	<2
Bromoform	<0.2	<2
Chlorodibromomethane	<0.2	<2
Chloroform	<0.2	<2
Toluene	**6.8**	<2
Benzene	**3.3**	**3.7**
Chlorobenzene	<0.2	<2
Ethylbenzene	**0.2**	**2.2**
Methylenechloride	**0.3**	<2
Tetrachloroethylene	<0.2	<2
Trichlorofluoromethane	**0.6**	<2
1,1-Dichloroethane	**0.2**	<2
1,1-Dichloroethylene	<0.2	<2
1,1,1-Trichloroethane	<0.2	<2
Benzene, o-chloro	<0.2	<2
1,2-Dichloropropane	<0.2	<2
1,2-Transdichloroethene	<0.2	<2
Benzene, 1,3-dichloro	<0.2	<2
Benzene, 1,4-dichloro	<0.2	<2
Dichlorodifluoromethane	<0.2	<2
Vinylchloride	<0.2	<2
Trichloroethylene	0.2	<2
Cis-1,2-dichloroethene	<0.2	<2
Styrene	<0.2	<2
Freon 113	<0.5	<2
Methyl tert-butyl ether (MTBE)	NA	<2
Xylene	**3.7**	**22.0**
Water temperature	5.5	NA
pH	6.8	NA
Specific conductance	499	NA
Dissolved oxygen	NA	NA

Table 4. Water-quality data for observation wells in the Alaska Railroad Industrial area, August 1993 - April 1995 -- Continued

[Values in micrograms per liter; < less than; all constituents are totals, unfiltered, recoverable; NA, not available; water temperature, °C; specific conductance, µS/cm at 25°C; dissolved oxygen, mg/l]

	Sampling site ID			
	AR79			
Date Sampled:	08/30/93	04/06/94	07/28/94	09/21/94
Constituent **Time Sampled:**	1815	1550	1246	1651
Dichlorobromomethane	<0.2	<0.2	<0.2	<0.2
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	**0.2**	**0.2**	**0.2**	**0.3**
Bromoform	<0.2	<0.2	<0.2	<0.2
Chlorodibromomethane	<0.2	<0.2	<0.2	<0.2
Chloroform	<0.2	<0.2	<0.2	<0.2
Toluene	<0.2	<0.2	<0.2	<0.2
Benzene	<0.2	<0.2	<0.2	<0.2
Chlorobenzene	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.2	<0.2	<0.2	<0.2
Methylenechloride	<0.2	<0.2	<0.2	<0.2
Tetrachloroethylene	<0.2	<0.2	<0.2	<0.2
Trichlorofluoromethane	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethane	**0.2**	<0.2	<0.2	**0.2**
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2
1,1,1-Trichloroethane	<0.2	<0.2	<0.2	<0.2
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<0.2
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2
Vinylchloride	<0.2	<0.2	<0.2	<0.2
Trichloroethylene	<0.2	<0.2	<0.2	<0.2
Cis-1,2-dichloroethene	<0.2	<0.2	<0.2	<0.2
Styrene	<0.2	<0.2	<0.2	<0.2
Freon 113	<0.5	<0.2	<0.2	<0.2
Methyl tert-butyl ether (MTBE)	NA	<0.2	<0.2	<0.2
Xylene	<0.2	<0.2	<0.2	<0.2
Water temperature	4.0	3.5	3.0	4.0
pH	6.9	7.0	6.7	6.6
Specific conductance	747	811	760	779
Dissolved oxygen	NA	0.0	0.3	0.5

Table 4. Water-quality data for observation wells in the Alaska Railroad Industrial area, August 1993 - April 1995 -- Continued

[Values in micrograms per liter; < less than; all constituents are totals, unfiltered, recoverable; NA, not available; water temperature, ^{0}C; specific conductance, µS/cm at 25^{0}C; dissolved oxygen, mg/l]

	Sampling site ID	
	AR81	
Date Sampled:	08/31/93	04/11/95
Constituent **Time Sampled:**	1537	1701
Dichlorobromomethane	<0.2	<2
Carbontetrachloride	<0.2	<2
1,2-Dichloroethane	<0.2	<2
Bromoform	<0.2	<2
Chlorodibromomethane	<0.2	<2
Chloroform	<0.2	<2
Toluene	**6.2**	**2.8**
Benzene	**150.0**	**78.0**
Chlorobenzene	<0.2	<2
Ethylbenzene	**110.0**	**83.0**
Methylenechloride	<0.2	<2
Tetrachloroethylene	<0.2	<2
Trichlorofluoromethane	<0.2	<2
1,1-Dichloroethane	<0.2	<2
1,1-Dichloroethylene	<0.2	<2
1,1,1-Trichloroethane	<0.2	<2
Benzene, o-chloro	<0.2	<2
1,2-Dichloropropane	<0.2	<2
1,2-Transdichloroethene	<0.2	<2
Benzene, 1,3-dichloro	<0.2	<2
Benzene, 1,4-dichloro	<0.2	<2
Dichlorodifluoromethane	<0.2	<2
Vinylchloride	<0.2	<2
Trichloroethylene	<0.2	<2
Cis-1,2-dichloroethene	**0.9**	**1.2**
Styrene	<0.2	<2
Freon 113	<0.5	<2
Methyl tert-butyl ether (MTBE)	NA	<2
Xylene	**300.0**	**210.0**
Water temperature	5.0	NA
pH	6.8	NA
Specific conductance	640	NA
Dissolved oxygen	NA	NA

Table 4. Water-quality data for observation wells in the Alaska Railroad Industrial area, August 1993 - April 1995 – Continued

[Values in micrograms per liter; < less than; all constituents are totals, unfiltered, recoverable; NA, not available; water temperature, ^{0}C; specific conductance, µS/cm at 25^{0}C; dissolved oxygen, mg/l]

	Sampling site ID					
	AR100					
Date Sampled:	09/01/93	09/01/93	04/05/94	07/29/94	9/21/94	04/10/95
Constituent **Time Sampled:**	1600	1601	0941	1011	0905	1355
Dichlorobromomethane	**0.2**	<0.2	<0.2	<0.2	<0.2	<0.2
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromoform	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorodibromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	**3.7**	**2.7**	<0.2	<0.2	<0.2	<0.2
Toluene	<0.2	**0.9**	<0.2	<0.2	<0.2	<0.2
Benzene	<0.2	0.2	<0.2	<0.2	<0.2	<0.2
Chlorobenzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methylenechloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Tetrachloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichlorofluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1,1-Trichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinylchloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Cis-1,2-dichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Freon 113	<0.5	<0.5	<0.2	<0.2	<0.2	<0.2
Methyl tert-butyl ether (MTBE)	NA	NA	<0.2	<0.2	<0.2	<0.2
Xylene	<0.2	**0.2**	<0.2	<0.2	<0.2	<0.2
Water temperature	5.0	NA	4.0	5.0	4.0	4.5
pH	7.1	NA	7.3	7.0	6.9	7.1
Specific conductance	329	NA	302	365	347	296
Dissolved oxygen	NA	NA	0.3	0.2	0.3	2.9

Table 4. Water-quality data for observation wells in the Alaska Railroad Industrial area, August 1993 - April 1995 – Continued

[Values in micrograms per liter; < less than; all constituents are totals, unfiltered, recoverable; NA, not available; water temperature, °C; specific conductance, µS/cm at 25°C; dissolved oxygen, mg/l]

	Sampling site ID						
	AR101						
Date Sampled:	09/09/93	09/09/93	04/05/94	07/29/94	07/29/94	09/21/94	04/10/95
Constituent **Time Sampled:**	1258	1259	1027	1027	1028	1007	1551
Dichlorobromomethane	**1.6**	**2.1**	<0.2	<0.2	<0.2	<0.2	<0.2
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromoform	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorodibromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	**15.0**	**17.0**	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	**0.6**	**0.8**	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene	**0.6**	**0.8**	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorobenzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.2	**0.2**	<0.2	<0.2	<0.2	<0.2	<0.2
Methylenechloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Tetrachloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichlorofluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2	**2.4**	<0.2
1,1-Dichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1,1-Trichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinylchloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Cis-1,2-dichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Freon 113	<0.5	<0.5	<0.2	<0.2	<0.2	<0.2	<0.2
Methyl tert-butyl ether (MTBE)	NA	NA	<0.2	<0.2	<0.2	<0.2	<0.2
Xylene	**0.6**	**1.0**	<0.2	<0.2	<0.2	<0.2	<0.2
Water temperature	4.5	NA	4.0	4.5	NA	4.0	4.0
pH	7.1	NA	7.2	7.1	NA	6.9	7.2
Specific conductance	289	NA	283	277	NA	302	282
Dissolved oxygen	NA	NA	0.5	0.2	NA	0.2	2.0

Table 4. Water-quality data for observation wells in the Alaska Railroad Industrial area, August 1993 - April 1995 – Continued

[Values in micrograms per liter; < less than; all constituents are totals, unfiltered, recoverable; NA, not available; water temperature, ^{0}C; specific conductance, µS/cm at 25^{0}C; dissolved oxygen, mg/l]

	Sampling site ID				
	AR102				
Date Sampled:	09/01/93	04/05/94	07/29/94	9/21/94	04/10/95
Constituent **Time Sampled:**	1634	1057	0940	0941	1455
Dichlorobromomethane	<0.2	<0.2	<0.2	<0.2	<0.2
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2
Bromoform	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorodibromomethane	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	**0.2**	<0.2	<0.2	<0.2	<0.2
Toluene	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorobenzene	<0.2	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.2	<0.2	<0.2	<0.2	<0.2
Methylenechloride	<0.2	<0.2	<0.2	<0.2	<0.2
Tetrachloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2
Trichlorofluoromethane	**1.6**	**1.4**	**1.9**	**1.3**	**1.1**
1,1-Dichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2
1,1,1-Trichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2
Vinylchloride	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2
Cis-1,2-dichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	<0.2	<0.2	<0.2	<0.2	<0.2
Freon 113	<0.5	<0.2	<0.2	<0.2	<0.2
Methyl tert-butyl ether (MTBE)	NA	<0.2	<0.2	<0.2	<0.2
Xylene	<0.2	<0.2	<0.2	<0.2	<0.2
Water temperature	8.0	4.5	7.5	7.0	5.5
pH	6.8	6.9	6.8	6.6	6.9
Specific conductance	662	732	688	726	652
Dissolved oxygen	NA	0.3	1.4	0.2	2.2

Table 4. Water-quality data for observation wells in the Alaska Railroad Industrial area, August 1993 - April 1995 -- Continued

[Values in micrograms per liter; < less than; all constituents are totals, unfiltered, recoverable; NA, not available; water temperature, ^{0}C; specific conductance, µS/cm at 25^{0}C; dissolved oxygen, mg/l]

	Sampling site ID				
	AR103				
Date Sampled:	09/01/93	04/05/94	07/28/94	9/21/94	04/10/95
Constituent **Time Sampled:**	1215	1131	0910	1601	1701
Dichlorobromomethane	<0.2	<0.2	<0.2	<0.2	<0.2
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2
Bromoform	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorodibromomethane	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene	**0.3**	<0.2	<0.2	<0.2	<0.2
Chlorobenzene	<0.2	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.2	<0.2	<0.2	<0.2	<0.2
Methylenechloride	<0.2	<0.2	<0.2	<0.2	<0.2
Tetrachloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2
Trichlorofluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2
1,1,1-Trichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2
Vinylchloride	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2
Cis-1,2-dichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	<0.2	<0.2	<0.2	<0.2	<0.2
Freon 113	<0.5	<0.2	<0.2	<0.2	<0.2
Methyl tert-butyl ether (MTBE)	NA	<0.2	<0.2	<0.2	<0.2
Xylene	<0.2	<0.2	**0.2**	<0.2	<0.2
Water temperature	6.0	4.0	4.0	5.5	4.0
pH	6.5	6.6	6.5	6.3	6.6
Specific conductance	1022	1110	1210	1240	1130
Dissolved oxygen	NA	0.3	1.1	1.0	2.0

Table 4. Water-quality data for observation wells in the Alaska Railroad Industrial area, August 1993 - April 1995 – Continued

[Values in micrograms per liter; < less than; all constituents are totals, unfiltered, recoverable; NA, not available; water temperature, ^{0}C; specific conductance, µS/cm at 25^{0}C; dissolved oxygen, mg/l]

	Sampling site ID				
	AR104				
Date Sampled:	09/01/93	04/05/94	04/05/94	07/28/94	9/21/94
Constituent **Time Sampled:**	1239	1241	1242	1152	1451
Dichlorobromomethane	<0.2	<0.2	<0.2	<0.2	<0.2
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	**0.4**	**0.4**	**0.4**	**0.4**	**0.6**
Bromoform	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorodibromomethane	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	<0.2	<0.2	<0.2	**0.2**	<0.2
Toluene	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorobenzene	<0.2	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.2	<0.2	<0.2	<0.2	<0.2
Methylenechloride	<0.2	<0.2	<0.2	<0.2	<0.2
Tetrachloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2
Trichlorofluoromethane	**2.4**	**2.9**	**2.7**	**4.1**	**2.6**
1,1-Dichloroethane	**0.2**	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2
1,1,1-Trichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2
Vinylchloride	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2
Cis-1,2-dichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	<0.2	<0.2	<0.2	<0.2	<0.2
Freon 113	<0.5	<0.2	<0.2	<0.2	<0.2
Methyl tert-butyl ether (MTBE)	NA	<0.2	<0.2	<0.2	<0.2
Xylene	<0.2	<0.2	<0.2	<0.2	<0.2
Water temperature	4.5	3.0	NA	3.0	4.5
pH	6.7	7.0	NA	6.7	6.4
Specific conductance	689	722	NA	728	735
Dissolved oxygen	NA	0.2	NA	3.6	0.4

Table 4. Water-quality data for observation wells in the Alaska Railroad Industrial area, August 1993 - April 1995 – Continued

[Values in micrograms per liter; < less than; all constituents are totals, unfiltered, recoverable; NA, not available; water temperature, °C; specific conductance, µS/cm at 25°C; dissolved oxygen, mg/l]

	Sampling site ID	
	AR106	
Date Sampled:	09/01/93	04/10/95
Constituent **Time Sampled:**	1433	1759
Dichlorobromomethane	<0.2	<0.2
Carbontetrachloride	<0.2	<0.2
1,2-Dichloroethane	**0.4**	**1.3**
Bromoform	<0.2	<0.2
Chlorodibromomethane	<0.2	<0.2
Chloroform	<0.2	<0.2
Toluene	**0.5**	<0.2
Benzene	**0.3**	<0.2
Chlorobenzene	<0.2	<0.2
Ethylbenzene	<0.2	<0.2
Methylenechloride	<0.2	<0.2
Tetrachloroethylene	<0.2	<0.2
Trichlorofluoromethane	**0.3**	<0.2
1,1-Dichloroethane	**1.6**	**0.7**
1,1-Dichloroethylene	<0.2	<0.2
1,1,1-Trichloroethane	**0.3**	<0.2
Benzene, o-chloro	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2
1,2-Transdichloroethene	<0.2	<0.2
Benzene, 1,3-dichloro	<0.2	<0.2
Benzene, 1,4-dichloro	<0.2	<0.2
Dichlorodifluoromethane	<0.2	<0.2
Vinylchloride	<0.2	<0.2
Trichloroethylene	<0.2	<0.2
Cis-1,2-dichloroethene	<0.2	<0.2
Styrene	<0.2	<0.2
Freon 113	<0.5	<0.2
Methyl tert-butyl ether (MTBE)	NA	<0.2
Xylene	**0.3**	<0.2
Water temperature	5.0	3.5
pH	6.9	7.0
Specific conductance	754	616
Dissolved oxygen	NA	2.1

Table 4. Water-quality data for observation wells in the Alaska Railroad Industrial area, August 1993 - April 1995 – Continued

[Values in micrograms per liter; < less than; all constituents are totals, unfiltered, recoverable; NA, not available; water temperature, ^{0}C; specific conductance, µS/cm at 25^{0}C; dissolved oxygen, mg/l]

	Sampling site ID			
	AR107			
Date Sampled:	09/09/93	04/06/94	07/29/94	9/21/94
Constituent **Time Sampled:**	1111	1418	1125	1627
Dichlorobromomethane	<0.2	<0.2	<0.2	<0.2
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	<0.2	<0.2	<0.2	<0.2
Bromoform	<0.2	<0.2	<0.2	<0.2
Chlorodibromomethane	<0.2	<0.2	<0.2	<0.2
Chloroform	<0.2	<0.2	<0.2	<0.2
Toluene	<0.2	<0.2	<0.2	<0.2
Benzene	<0.2	<0.2	<0.2	<0.2
Chlorobenzene	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.2	<0.2	<0.2	<0.2
Methylenechloride	<0.2	<0.2	<0.2	<0.2
Tetrachloroethylene	<0.2	<0.2	<0.2	<0.2
Trichlorofluoromethane	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethane	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2
1,1,1-Trichloroethane	<0.2	<0.2	<0.2	<0.2
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<0.2
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2
Vinylchloride	<0.2	<0.2	<0.2	<0.2
Trichloroethylene	<0.2	<0.2	<0.2	<0.2
Cis-1,2-dichloroethene	<0.2	<0.2	<0.2	<0.2
Styrene	<0.2	<0.2	<0.2	<0.2
Freon 113	<0.5	<0.2	<0.2	<0.2
Methyl tert-butyl ether (MTBE)	NA	<0.2	<0.2	<0.2
Xylene	<0.2	<0.2	<0.2	<0.2
Water temperature	5.0	3.0	3.5	5.0
pH	6.7	6.7	6.6	6.5
Specific conductance	645	735	763	781
Dissolved oxygen	NA	0.0	0.2	0.6

Table 4. Water-quality data for observation wells in the Alaska Railroad Industrial area, August 1993 - April 1995 – Continued

[Values in micrograms per liter; < less than; all constituents are totals, unfiltered, recoverable; NA, not available; water temperature, °C; specific conductance, µS/cm at 25°C; dissolved oxygen, mg/l]

	Sampling site ID					
	AR108					
Date Sampled:	09/01/93	04/06/94	07/29/94	9/21/94	04/11/95	04/11/95
Constituent **Time Sampled:**	1108	1001	1157	1517	1731	1732
Dichlorobromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	<0.2	**2.5**	**2.7**	<0.2	**1.7**	**1.8**
Bromoform	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorodibromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	**0.3**	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	**0.3**	<0.2	<0.2	**0.2**	<0.2	<0.2
Benzene	**13.0**	**6.9**	**23.4**	**50.0**	**3.7**	**3.7**
Chlorobenzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methylenechloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Tetrachloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichlorofluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1,1-Trichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinylchloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Cis-1,2-dichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Freon 113	<0.5	<0.2	<0.2	<0.2	<0.2	<0.2
Methyl tert-butyl ether (MTBE)	NA	<0.2	<0.2	**0.2**	**0.8**	**0.9**
Xylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Water temperature	5.0	3.5	4.0	4.5	4.0	NA
pH	6.9	7.0	6.8	6.7	6.9	NA
Specific conductance	418	474	429	435	460	NA
Dissolved oxygen	NA	0.0	0.3	0.5	0.2	NA

Table 5. Water-quality data for the Alaska Railroad Industrial area, August 30 - September 9, 1993 -- Continued
[Values in micrograms per liter; < less than; Eq., equipment; dup, duplicate; all constituents are totals, unfiltered, recoverable;
* well sampled only once, not included in table 4]

	Sampling site ID								
	Eq. Blank	**AR79**	**AR47**	**AR58**	**AR42**	**Trip Blank**	**AR25**	**AR59***	**AR27**
Date Sampled:	08/30/93	08/30/93	08/30/93	08/31/93	08/31/93	08/31/93	08/31/93	08/31/93	08/31/93
Constituent **Time Sampled:**	1311	1815	1940	0902	0940	0930	1104	1230	1315
Dichlorobromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	<0.2	**0.2**	**0.2**	**0.2**	<0.2	<0.2	<0.2	<0.2	<0.2
Bromoform	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorodibromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	<0.2	<0.2	**1.0**	<0.2	<0.2	<0.2	<0.2	**0.2**	<0.2
Toluene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene	<0.2	<0.2	<0.2	**0.2**	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorobenzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methylenechloride	<0.2	<0.2	**0.2**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Tetrachloroethylene	<0.2	<0.2	**0.9**	**0.3**	<0.2	<0.2	<0.2	**6.5**	<0.2
Trichlorofluoromethane	**0.3**	<0.2	**5.2**	<0.2	<0.2	<0.2	<0.2	**19.0**	<0.2
1,1-Dichloroethane	<0.2	**0.2**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1,1-Trichloroethane	<0.2	<0.2	<0.2	**0.2**	<0.2	<0.2	<0.2	**0.7**	<0.2
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	<0.2	<0.2	**1.2**	<0.2	<0.2	<0.2	**7.2**	<0.2	<0.2
Vinylchloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethylene	<0.2	<0.2	<0.2	**2.2**	<0.2	<0.2	<0.2	<0.2	<0.2
Cis-1,2-dichloroethene	<0.2	<0.2	<0.2	**1.4**	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Freon 113	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Xylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Table 5. Water-quality data for the Alaska Railroad Industrial area, August 30 - September 9, 1993 -- Continued
[Values in micrograms per liter; < less than; Eq., equipment; dup, duplicate; all constituents are totals, unfiltered, recoverable;
* well sampled only once, not included in table 4]

	Sampling site ID								
	AR56	**AR38**	**AR49**	**AR49-dup**	**AR51***	**AR81**	**Eq. Blank**	**AR4**	**AR3**
Date Sampled:	08/31/93	08/31/93	08/31/93	08/31/93	08/31/93	08/31/93	08/31/93	08/31/93	08/31/93
Constituent Time Sampled:	1330	1413	1445	1446	1511	1537	1631	1648	1711
Dichlorobromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	**0.5**	**0.6**	**0.6**	**0.6**	**0.6**	<0.2	<0.2	**0.6**	**0.8**
Bromoform	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorodibromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	<0.2	<0.2	<0.2	<0.2	<0.2	**6.2**	**0.3**	<0.2	<0.2
Benzene	<0.2	<0.2	<0.2	<0.2	**0.5**	**150.0**	<0.2	<0.2	<0.2
Chlorobenzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.2	<0.2	<0.2	<0.2	<0.2	**110.0**	<0.2	<0.2	<0.2
Methylenechloride	<0.2	<0.2	<0.2	<0.2	**0.3**	<0.2	<0.2	<0.2	<0.2
Tetrachloroethylene	**16.0**	**0.9**	<0.2	<0.2	<0.2	<0.2	<0.2	**0.3**	**0.2**
Trichlorofluoromethane	**0.5**	**0.3**	<0.2	<0.2	<0.2	<0.2	<0.2	**0.2**	<0.2
1,1-Dichloroethane	**0.2**	**0.2**	**0.2**	**0.2**	<0.2	<0.2	<0.2	**0.2**	<0.2
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1,1-Trichloroethane	**0.2**	**0.2**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinylchloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethylene	**0.8**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.3**	<0.2
Cis-1,2-dichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	**0.9**	<0.2	<0.2	<0.2
Styrene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Freon 113	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Xylene	<0.2	<0.2	**0.9**	**0.7**	**0.3**	**300.0**	**0.3**	<0.2	<0.2

Table 5. Water-quality data for the Alaska Railroad Industrial area, August 30 - September 9, 1993 -- Continued
[Values in micrograms per liter; < less than; Eq., equipment; dup, duplicate; all constituents are totals, unfiltered, recoverable;
* well sampled only once, not included in table 4]

	Sampling site ID								
	AR26	**AR41***	**AR75***	**AR44**	**AR8**	**AR7**	**AR35**	**AR76**	**AR69***
Date Sampled:	08/31/93	08/31/93	08/31/93	08/31/93	09/01/93	09/01/93	09/01/93	09/01/93	09/01/93
Constituent Time Sampled:	1725	1750	1830	1911	0835	0846	0918	0935	1013
Dichlorobromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	<0.2	**0.5**	<0.2	<0.2	**0.7**	<0.2	<0.2	**0.2**	**0.6**
Bromoform	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorodibromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.2**
Toluene	<0.2	<0.2	<0.2	**1800.**	**0.2**	**1900.**	**2000.**	**6.8**	<0.2
Benzene	**28.0**	<0.2	<0.2	**780.**	**5.9**	**560.**	**1500.**	**3.3**	**0.5**
Chlorobenzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.2	<0.2	<0.2	**600.**	<0.2	**450.**	<0.2	**0.2**	**4.6**
Methylenechloride	<0.2	<0.2	<0.2	<0.2	**0.2**	<0.2	<0.2	**0.3**	<0.2
Tetrachloroethylene	<0.2	**11.0**	**6.0**	<0.2	<0.2	**8.5**	**0.3**	<0.2	<0.2
Trichlorofluoromethane	<0.2	<0.2	**2.8**	<0.2	<0.2	<0.2	<0.2	**0.6**	**3.0**
1,1-Dichloroethane	<0.2	**0.2**	<0.2	<0.2	**0.2**	<0.2	<0.2	**0.2**	**0.3**
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1,1-Trichloroethane	<0.2	<0.2	**0.4**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinylchloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethylene	<0.2	**0.5**	<0.2	<0.2	**0.2**	<0.2	<0.2	**0.2**	<0.2
Cis-1,2-dichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**2.6**	<0.2	<0.2
Freon 113	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Xylene	**9.7**	<0.2	<0.2	**3000.**	**0.2**	**3000.**	**2000.**	**3.7**	**9.8**

Table 5. Water-quality data for the Alaska Railroad Industrial area, August 30 - September 9, 1993 -- Continued
[Values in micrograms per liter; < less than; Eq., equipment; dup, duplicate; all constituents are totals, unfiltered, recoverable;
* well sampled only once, not included in table 4]

	Sampling site ID								
	AR108	**AR103**	**AR104**	**Eq. Blank**	**AR106**	**AR105***	**AR100**	**AR100-dup**	**AR102**
Date Sampled:	09/01/93	09/01/93	09/01/93	09/01/93	09/01/93	09/01/93	09/01/93	09/01/93	09/01/93
Constituent Time Sampled:	1108	1215	1239	1349	1433	1459	1600	1601	1634
Dichlorobromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.2**	<0.2	<0.2
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	<0.2	<0.2	**0.4**	<0.2	**0.4**	<0.2	<0.2	<0.2	<0.2
Bromoform	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorodibromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	**0.3**	<0.2	<0.2	<0.2	<0.2	<0.2	**3.7**	**2.7**	**0.2**
Toluene	**0.3**	**0.3**	<0.2	**8.2**	**0.5**	**0.4**	<0.2	**0.9**	<0.2
Benzene	**13.0**	<0.2	<0.2	**2.6**	**0.3**	<0.2	<0.2	**0.2**	<0.2
Chlorobenzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.2	<0.2	<0.2	**0.5**	<0.2	<0.2	<0.2	<0.2	<0.2
Methylenechloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Tetrachloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichlorofluoromethane	<0.2	<0.2	**2.4**	<0.2	**0.3**	**1.7**	<0.2	<0.2	**1.6**
1,1-Dichloroethane	<0.2	<0.2	**0.2**	<0.2	**1.6**	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1,1-Trichloroethane	<0.2	<0.2	<0.2	<0.2	**0.3**	**0.2**	<0.2	<0.2	<0.2
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinylchloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Cis-1,2-dichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Freon 113	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Xylene	<0.2	**0.2**	<0.2	**6.4**	**0.3**	**0.3**	<0.2	**0.2**	<0.2

Table 5. Water-quality data for the Alaska Railroad Industrial area, August 30 - September 9, 1993 – Continued
[Values in micrograms per liter; < less than; Eq., equipment; dup, duplicate; all constituents are totals, unfiltered, recoverable]

	Sampling site ID				
	Trip Blank	**AR107**	**AR101**	**AR101-du**	**Trip Blank**
Date Sampled:	09/02/93	09/09/93	09/09/93	09/09/93	09/09/93
Constituent **Time Sampled:**	0811	1111	1258	1259	1400
Dichlorobromomethane	<0.2	<0.2	**1.6**	**2.1**	<0.2
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2
Bromoform	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorodibromomethane	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	<0.2	<0.2	**15.0**	**17.0**	<0.2
Toluene	<0.2	<0.2	**0.6**	**0.8**	<0.2
Benzene	<0.2	<0.2	**0.6**	**0.8**	<0.2
Chlorobenzene	<0.2	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.2	<0.2	<0.2	**0.2**	<0.2
Methylenechloride	<0.2	<0.2	<0.2	<0.2	<0.2
Tetrachloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2
Trichlorofluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2
1,1,1-Trichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2
Vinylchloride	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2
Cis-1,2-dichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	<0.2	<0.2	<0.2	<0.2	<0.2
Freon 113	<0.5	<0.5	<0.5	<0.5	<0.5
Xylene	<0.2	<0.2	**0.6**	**1.0**	<0.2

Table 6. Water-quality data for the Alaska Railroad Industrial area, April 5 - 7, 1994
[Values in micrograms per liter; < less than; Eq., equipment; dup, duplicate; all constituents are totals, unfiltered, recoverable]

	Sampling site ID								
	Trip Blank	**AR100**	**AR101**	**AR102**	**AR103**	**AR104**	**AR104-dup**	**Eq. Blank**	**AR49**
Date Sampled:	04/05/94	04/05/94	04/05/94	04/05/94	04/05/94	04/05/94	04/05/94	04/05/94	04/05/94
Constituent **Time Sampled:**	0900	0941	1027	1057	1131	1241	1242	1245	1435
Dichlorobromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2	**0.4**	**0.4**	<0.2	**1.6**
Bromoform	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorodibromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.6**
Benzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**25.0**
Chlorobenzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**6.0**
Methylenechloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**1.1**	<0.2
Tetrachloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichlorofluoromethane	<0.2	<0.2	<0.2	**1.4**	<0.2	**2.9**	**2.7**	<0.2	<0.2
1,1-Dichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1,1-Trichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinylchloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Cis-1,2-dichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Freon 113	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.2**	<0.2
Methyl tert-butyl ether (MTBE)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Xylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**16.0**

Table 6. Water-quality data for the Alaska Railroad Industrial area, April 5 - 7, 1994 -- Continued
[Values in micrograms per liter; < less than; Eq., equipment; dup, duplicate; all constituents are totals, unfiltered, recoverable]

	Sampling site ID								
	AR47	**AR58**	**AR58-dup**	**AR25**	**AR27**	**AR4**	**AR108**	**AR3**	**AR79**
Date Sampled:	04/05/94	04/05/94	04/05/94	04/05/94	04/05/94	04/06/94	04/06/94	04/06/94	04/06/94
Constituent **Time Sampled:**	1518	1601	1604	1657	1755	0925	1001	1145	1550
Dichlorobromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	<0.2	**0.4**	**0.4**	<0.2	<0.2	**0.9**	**2.5**	**1.0**	**0.2**
Bromoform	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorodibromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	**4.0**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene	<0.2	**0.4**	**0.3**	<0.2	<0.2	<0.2	**6.9**	**6.3**	<0.2
Chlorobenzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methylenechloride	**1.0**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Tetrachloroethylene	**0.8**	**1.6**	**1.3**	<0.2	<0.2	**0.3**	<0.2	<0.2	<0.2
Trichlorofluoromethane	**3.6**	<0.2	<0.2	**5.8**	<0.2	**0.2**	<0.2	<0.2	<0.2
1,1-Dichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1,1-Trichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinylchloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethylene	<0.2	**5.6**	**5.0**	<0.2	<0.2	**0.3**	<0.2	<0.2	<0.2
Cis-1,2-dichloroethene	<0.2	**1.5**	**1.4**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Freon 113	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methyl tert-butyl ether (MTBE)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Xylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Table 6. Water-quality data for the Alaska Railroad Industrial area, April 5 - 7, 1994 -- Continued
[Values in micrograms per liter; < less than; Eq., equipment; dup, duplicate; all constituents are totals, unfiltered, recoverable]

	Sampling site ID					
	AR7	AR44	AR38	AR107	AR26	Trip Blank
Date Sampled:	04/06/94	04/06/94	04/06/94	04/06/94	04/06/94	04/07/94
Constituent **Time Sampled:**	1653	1746	1237	1418	1101	0900
Dichlorobromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	<25	<18	**0.7**	<0.2	**1.0**	<0.2
Bromoform	<0.2	<20	<0.2	<0.2	<0.2	<0.2
Chlorodibromomethane	<0.2	<20	<0.2	<0.2	<0.2	<0.2
Chloroform	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	**3800.0**	**4100.0**	<0.2	<0.2	<0.2	<0.2
Benzene	**630.0**	**750.0**	<0.2	<0.2	**34.0**	<0.2
Chlorobenzene	<0.2	<20	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	**950.0**	**1100.0**	<0.2	<0.2	**20.0**	<0.2
Methylenechloride	<0.2	<0.2	<0.2	<0.2	<0.2	**1.1**
Tetrachloroethylene	<6.1	<20	**0.9**	<0.2	<0.2	<0.2
Trichlorofluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethane	**1.0**	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1,1-Trichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,3-dichloro	<0.2	<20	<0.2	<0.2	<0.2	<0.2
Benzene, 1,4-dichloro	<0.2	<20	<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinylchloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethylene	**1.5**	<2.2	<0.2	<0.2	<0.2	<0.2
Cis-1,2-dichloroethene	**0.3**	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	<24	<20	<0.2	<0.2	**0.3**	<0.2
Freon 113	<0.2	<20	<0.2	<0.2	<0.2	<0.2
Methyl tert-butyl ether (MTBE)	<0.2	<20	<0.2	<0.2	<0.2	<0.2
Xylene	**5900.0**	**6900.0**	<0.2	<0.2	**26.0**	<0.2

Table 7. Water-quality data for the Alaska Railroad Industrial area, July 28 - August 8, 1994
[Values in micrograms per liter; < less than; Eq., equipment; dup, duplicate; all constituents are totals, unfiltered, recoverable]

	Sampling site ID								
	Eq. Blank	**AR103**	**AR27**	**AR26**	**AR25**	**AR58**	**AR104**	**AR47**	**AR79**
Date Sampled:	07/28/94	07/28/94	07/28/94	07/28/94	07/28/94	07/28/94	07/28/94	07/28/94	07/28/94
Constituent Time Sampled:	0905	0910	0957	1017	1053	1123	1152	1223	1246
Dichlorobromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	<0.2	<0.2	<0.2	<0.2	**0.2**	**0.5**	**0.4**	**0.4**	**0.2**
Bromoform	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorodibromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.2**	**2.1**	<0.2
Toluene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene	<0.2	<0.2	<0.2	**21.0**	<0.2	**0.6**	<0.2	<0.2	<0.2
Chlorobenzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methylenechloride	**1.1**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.2**	<0.2
Tetrachloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	**3.2**	<0.2	**0.7**	<0.2
Trichlorofluoromethane	<0.2	<0.2	<0.2	<0.2	**5.6**	<0.2	**4.1**	**7.2**	<0.2
1,1-Dichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1,1-Trichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.6**	<0.2
Vinylchloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	**8.1**	<0.2	<0.2	<0.2
Cis-1,2-dichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	**1.7**	<0.2	<0.2	<0.2
Styrene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Freon 113	**0.3**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methyl tert-butyl ether (MTBE)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Xylene	<0.2	**0.2**	<0.2	**8.2**	<0.2	<0.2	<0.2	<0.2	<0.2

Table 7. Water-quality data for the Alaska Railroad Industrial area, July 28 - August 8, 1994 -- Continued
[Values in micrograms per liter; < less than; Eq., equipment; dup, duplicate; all constituents are totals, unfiltered, recoverable]

	Sampling site ID								
	Trip Blank	**AR102**	**Air blank**	**AR100**	**Eq. Blank**	**AR101**	**AR101-dup**	**AR107**	**AR108**
Date Sampled:	07/29/94	07/29/94	07/29/94	07/29/94	07/29/94	07/29/94	07/29/94	07/29/94	07/29/94
Constituent **Time Sampled:**	0811	0940	1000	1011	1019	1027	1028	1125	1157
Dichlorobromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**2.7**
Bromoform	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorodibromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**23.4**
Chlorobenzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methylenechloride	**1.1**	<0.2	<0.2	<0.2	**0.8**	<0.2	<0.2	<0.2	<0.2
Tetrachloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichlorofluoromethane	<0.2	**1.9**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1,1-Trichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinylchloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Cis-1,2-dichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Freon 113	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methyl tert-butyl ether (MTBE)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Xylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Table 7. Water-quality data for the Alaska Railroad Industrial area, July 28 - August 8, 1994 -- Continued
[Values in micrograms per liter; < less than; Eq., equipment; dup, duplicate; all constituents are totals, unfiltered, recoverable]

	Sampling site ID								
	AR49	**AR4**	**AR4-dup**	**AR7**	**AR3**	**Trip Blank**	**AR42**	**AR35**	**AR44**
Date Sampled:	07/29/94	07/29/94	07/29/94	07/29/94	07/29/94	07/29/94	07/29/94	07/29/94	07/29/94
Constituent Time Sampled:	1254	1316	1317	1349	1427	1611	1649	1717	1752
Dichlorobromomethane	<0.2	<0.2	<0.2	<100	<0.2	<0.2	<0.2	<100	<100
Carbontetrachloride	<0.2	<0.2	<0.2	<100	<0.2	<0.2	<0.2	<100	<100
1,2-Dichloroethane	**0.7**	**0.3**	**0.4**	<100	**0.7**	<0.2	<0.2	<100	<100
Bromoform	<0.2	<0.2	<0.2	<100	<0.2	<0.2	<0.2	<100	<100
Chlorodibromomethane	<0.2	<0.2	<0.2	<100	<0.2	<0.2	<0.2	<100	<100
Chloroform	<0.2	<0.2	<0.2	<100	<0.2	<0.2	<0.2	<100	<100
Toluene	<0.2	<0.2	<0.2	**4400.0**	<0.2	<0.2	**0.2**	**6400.0**	**3200.0**
Benzene	**4.4**	<0.2	<0.2	**1400.0**	**0.7**	<0.2	**18.7**	**2300.0**	**860.0**
Chlorobenzene	<0.2	<0.2	<0.2	<100	<0.2	<0.2	<0.2	<100	<100
Ethylbenzene	**0.3**	<0.2	<0.2	**1200.0**	<0.2	<0.2	**1.7**	**1350.0**	**360.0**
Methylenechloride	<0.2	<0.2	<0.2	<100	<0.2	**1.1**	<0.2	<100	<100
Tetrachloroethylene	<0.2	**0.3**	**0.3**	<100	**0.2**	<0.2	<0.2	<100	<100
Trichlorofluoromethane	<0.2	**0.4**	**0.4**	<100	<0.2	<0.2	<0.2	<100	<100
1,1-Dichloroethane	**0.2**	**0.2**	**0.2**	<100	**0.2**	<0.2	<0.2	<100	<100
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<100	<0.2	<0.2	<0.2	<100	<100
1,1,1-Trichloroethane	<0.2	<0.2	<0.2	<100	<0.2	<0.2	<0.2	<100	<100
Benzene, o-chloro	<0.2	<0.2	<0.2	<100	<0.2	<0.2	<0.2	<100	<100
1,2-Dichloropropane	<0.2	<0.2	<0.2	<100	<0.2	<0.2	<0.2	<100	<100
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<100	<0.2	<0.2	<0.2	<100	<100
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<100	<0.2	<0.2	<0.2	<100	<100
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<100	<0.2	<0.2	<0.2	<100	<100
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<100	<0.2	<0.2	<0.2	<100	<100
Vinylchloride	<0.2	<0.2	<0.2	<100	<0.2	<0.2	<0.2	<100	<100
Trichloroethylene	<0.2	<0.2	**0.3**	<100	<0.2	<0.2	<0.2	<100	<100
Cis-1,2-dichloroethene	<0.2	<0.2	<0.2	<100	<0.2	<0.2	<0.2	<100	<100
Styrene	<0.2	<0.2	<0.2	<100	<0.2	<0.2	**0.9**	<100	<100
Freon 113	<0.2	<0.2	<0.2	<100	<0.2	<0.2	<0.2	<100	<100
Methyl tert-butyl ether (MTBE)	<0.2	**0.4**	**0.4**	<100	<0.2	<0.2	<0.2	<100	<100
Xylene	**0.7**	<0.2	<0.2	**6100.0**	<0.2	<0.2	**0.3**	**3400.0**	**3450.0**

Table 7. Water-quality data for the Alaska Railroad Industrial area, July 28 - August 8, 1994 -- Continued
[Values in micrograms per liter; < less than; Eq., equipment; dup, duplicate; all constituents are totals, unfiltered, recoverable]

	Sampling site ID				
	AR38	**AR38-dup**	**Trip Blank**	**Air Blank**	**Eq. Blank**
Date Sampled:	08/08/94	08/08/94	08/08/94	08/08/94	08/08/94
Constituent **Time Sampled:**	1125	1126	1056	1057	1055
Dichlorobromomethane	<0.2	<0.2	<0.2	<0.2	<0.2
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	**0.3**	**0.2**	<0.2	<0.2	<0.2
Bromoform	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorodibromomethane	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	**0.5**	**0.4**	<0.2	<0.2	<0.2
Toluene	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorobenzene	<0.2	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.2	<0.2	<0.2	<0.2	<0.2
Methylenechloride	<0.2	<0.2	<0.2	<0.2	<0.2
Tetrachloroethylene	**0.4**	**0.4**	<0.2	<0.2	<0.2
Trichlorofluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2
1,1,1-Trichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2
Vinylchloride	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2
Cis-1,2-dichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	<0.2	<0.2	<0.2	<0.2	<0.2
Freon 113	<0.2	<0.2	<0.2	<0.2	<0.2
Methyl tert-butyl ether (MTBE)	<0.2	<0.2	<0.2	<0.2	<0.2
Xylene	<0.2	<0.2	<0.2	<0.2	<0.2

Table 8. Water-quality data for the Alaska Railroad Industrial area, September 21 - 22, 1994
[Values in micrograms per liter; < less than; Eq., equipment; dup, duplicate; all constituents are totals, unfiltered, recoverable]

	Sampling site ID								
	AR100	**AR102**	**AR101**	**AR27**	**Trip blank**	**Air blank**	**Eq. blank**	**AR26**	**AR38**
Date Sampled:	09/21/94	09/21/94	09/21/94	09/21/94	09/21/94	09/21/94	09/21/94	09/21/94	09/21/94
Constituent Time Sampled:	0905	0941	1007	1025	1150	1151	1155	1201	1234
Dichlorobromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.5**
Bromoform	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorodibromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	0.2	<0.2	<0.2
Toluene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**29.0**	<0.2
Chlorobenzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**17.0**	<0.2
Methylenechloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Tetrachloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.8**
Trichlorofluoromethane	<0.2	**1.3**	**2.4**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1,1-Trichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinylchloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Cis-1,2-dichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Freon 113	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methyl tert-butyl ether (MTBE)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Xylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**17.0**	<0.2

Table 8. Water-quality data for the Alaska Railroad Industrial area, September 21 - 22, 1994 -- Continued
[Values in micrograms per liter; < less than; Eq., equipment; dup, duplicate; all constituents are totals, unfiltered, recoverable]

	Sampling site ID								
	AR58	AR58-dup	AR49	AR47	AR104	AR108	AR3	AR103	AR107
Date Sampled:	09/21/04	09/21/94	09/21/94	09/21/94	09/21/94	09/21/94	09/21/94	09/21/94	09/21/94
Constituent **Time Sampled:**	1307	1309	1401	1425	1451	1517	1537	1601	1627
Dichlorobromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	**0.7**	**0.6**	**1.4**	**0.2**	**0.6**	<0.2	**0.9**	<0.2	<0.2
Bromoform	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorodibromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	<0.2	<0.2	<0.2	**0.8**	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	<0.2	<0.2	**0.3**	<0.2	<0.2	**0.2**	<0.2	<0.2	<0.2
Benzene	**0.6**	**0.6**	**22.0**	**0.3**	<0.2	**50.0**	**1.8**	<0.2	<0.2
Chlorobenzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.2	<0.2	**7.2**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methylenechloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Tetrachloroethylene	**2.7**	**2.6**	<0.2	**1.1**	<0.2	<0.2	**0.3**	<0.2	<0.2
Trichlorofluoromethane	<0.2	<0.2	<0.2	**8.3**	**2.6**	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethane	<0.2	<0.2	<0.2	<0.2	**0.2**	<0.2	**0.2**	<0.2	<0.2
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1,1-Trichloroethane	**0.2**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	<0.2	<0.2	<0.2	**0.6**	<0.2	<0.2	<0.2	<0.2	<0.2
Vinylchloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethylene	**8.6**	**7.6**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Cis-1,2-dichloroethene	**2.2**	**1.8**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Freon 113	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methyl tert-butyl ether (MTBE)	<0.2	<0.2	<0.2	<0.2	<0.2	**0.2**	<0.2	<0.2	<0.2
Xylene	<0.2	<0.2	**16.0**	**0.3**	<0.2	<0.2	<0.2	<0.2	<0.2

Table 8. Water-quality data for the Alaska Railroad Industrial area, September 21 - 22, 1994 -- Continued
[Values in micrograms per liter; < less than; Eq., equipment; dup, duplicate; all constituents are totals, unfiltered, recoverable]

	Sampling site ID								
	AR79	**AR42**	**AR25**	**Trip blank**	**Eq. blank**	**Air blank**	**AR4**	**AR7**	**AR44**
Date Sampled:	09/21/94	09/21/94	09/21/94	09/22/94	09/22/94	09/22/94	09/22/94	09/22/94	09/22/94
Constituent **Time Sampled:**	1651	1717	1747	0912	0913	0914	0928	1027	1001
Dichlorobromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<5
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<5
1,2-Dichloroethane	**0.3**	<0.2	<0.2	<0.2	<0.2	<0.2	**0.6**	<0.2	<5
Bromoform	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<5
Chlorodibromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<5
Chloroform	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<5
Toluene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**3600.0**	**2100.0**
Benzene	<0.2	**5.0**	<0.2	<0.2	<0.2	<0.2	<0.2	**1000.0**	**430.0**
Chlorobenzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<5
Ethylbenzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**1100.0**	**560.0**
Methylenechloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<13.3	<5
Tetrachloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.3**	**6.9**	<5
Trichlorofluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.3**	<0.2	<5
1,1-Dichloroethane	**0.2**	<0.2	<0.2	<0.2	<0.2	<0.2	**0.2**	**1.4**	<5
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<5
1,1,1-Trichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.8**	<5
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.3**	<5
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<5
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<5
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<5
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<5
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<5
Vinylchloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<5
Trichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.3**	**1.7**	<5
Cis-1,2-dichloroethene	<0.2	<0.2	**0.2**	<0.2	<0.2	<0.2	<0.2	**0.4**	<5
Styrene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<13	<5
Freon 113	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<5
Methyl tert-butyl ether (MTBE)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.5**	<0.2	<5
Xylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**5700.0**	**4000.0**

Table 8. Water-quality data for the Alaska Railroad Industrial area, September 21 - 22, 1994 -- Continued
[Values in micrograms per liter; < less than; Eq., equipment; dup, duplicate; all constituents are totals, unfiltered, recoverable]

	Sampling site ID
	AR44-dup
Date Sampled:	09/22/94
Constituent **Time Sampled:**	1002
Dichlorobromomethane	<40
Carbontetrachloride	<40
1,2-Dichloroethane	<40
Bromoform	<40
Chlorodibromomethane	<40
Chloroform	<40
Toluene	**2100.0**
Benzene	**450.0**
Chlorobenzene	<40
Ethylbenzene	**560.0**
Methylenechloride	<40
Tetrachloroethylene	<40
Trichlorofluoromethane	<40
1,1-Dichloroethane	<40
1,1-Dichloroethylene	<40
1,1,1-Trichloroethane	<40
Benzene, o-chloro	<40
1,2-Dichloropropane	<40
1,2-Transdichloroethene	<40
Benzene, 1,3-dichloro	<40
Benzene, 1,4-dichloro	<40
Dichlorodifluoromethane	<40
Vinylchloride	<40
Trichloroethylene	<40
Cis-1,2-dichloroethene	<40
Styrene	<40
Freon 113	<40
Methyl tert-butyl ether (MTBE)	<40
Xylene	**4100.0**

Table 9. Water-quality data for the Alaska Railroad Industrial area, April 10 - 11, 1995
[Values in micrograms per liter; < less than; Eq., equipment; dup, duplicate; all constituents are totals, unfiltered, recoverable]

	Sampling site ID								
	Trip blank	**AR102**	**AR101**	**AR106**	**Eq. blank**	**AR4**	**Eq. blank**	**AR4-dup**	**AR8**
Date Sampled:	04/10/95	04/10/95	04/10/95	04/10/95	04/11/95	04/11/95	04/10/95	04/11/95	04/11/95
Constituent **Time Sampled:**	0901	1455	1551	1759	1711	1243	1700	1244	1505
Dichlorobromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carbontetrachloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	<0.2	<0.2	<0.2	**1.3**	<0.2	**0.4**	<0.2	**0.4**	**0.3**
Bromoform	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorodibromomethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform	<0.2	<0.2	<0.2	<0.2	<0.2	**0.2**	**0.2**	<0.2	<0.2
Toluene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.3**
Chlorobenzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Ethylbenzene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methylenechloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Tetrachloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	**0.2**	<0.2	**0.2**	**0.8**
Trichlorofluoromethane	<0.2	**1.1**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethane	<0.2	<0.2	<0.2	**0.7**	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1,1-Trichloroethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, o-chloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloropropane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Transdichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,3-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzene, 1,4-dichloro	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dichlorodifluoromethane	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Vinylchloride	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethylene	<0.2	<0.2	<0.2	<0.2	<0.2	**0.3**	<0.2	**0.3**	<0.2
Cis-1,2-dichloroethene	<0.2	<0.2	<0.2	<0.2	<0.2	**9.0**	<0.2	<0.2	<0.2
Styrene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Freon 113	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methyl tert-butyl ether (MTBE)	<0.2	<0.2	<0.2	<0.2	<0.2	**1.5**	<0.2	**1.6**	<0.2
Xylene	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.3**

Table 9. Water-quality data for the Alaska Railroad Industrial area, April 10 - 11, 1995 -- Continued
[Values in micrograms per liter; < less than; Eq., equipment; dup, duplicate; all constituents are totals, unfiltered, recoverable]

	Sampling site ID								
	AR76	**AR100**	**AR44**	**AR81**	**AR103**	**AR108**	**AR108-dup**	**AR7**	**AR47**
Date Sampled:	04/11/95	04/10/95	04/11/95	04/11/95	04/10/95	04/11/95	04/11/95	04/11/95	04/11/95
Constituent **Time Sampled:**	1343	1355	1645	1701	1701	1731	1732	1543	1021
Dichlorobromomethane	<2	<0.2	<20	<2	<0.2	<0.2	<0.2	<200	<0.2
Carbontetrachloride	<2	<0.2	<20	<2	<0.2	<0.2	<0.2	<200	<0.2
1,2-Dichloroethane	<2	<0.2	<20	<2	<0.2	**1.7**	**1.8**	<200	<0.2
Bromoform	<2	<0.2	<20	<2	<0.2	<0.2	<0.2	<200	<0.2
Chlorodibromomethane	<2	<0.2	<20	<2	<0.2	<0.2	<0.2	<200	<0.2
Chloroform	<2	<0.2	<20	<2	<0.2	<0.2	<0.2	<200	**5.5**
Toluene	<2	<0.2	**7200.0**	**2.8**	<0.2	<0.2	<0.2	**1800.0**	**0.3**
Benzene	**3.7**	<0.2	**1800.0**	**78.0**	<0.2	**3.7**	**3.7**	**980.0**	<0.2
Chlorobenzene	<2	<0.2	<20	<2	<0.2	<0.2	<0.2	<200	<0.2
Ethylbenzene	**2.2**	<0.2	**900.0**	**83.0**	<0.2	<0.2	<0.2	**1000.0**	<0.2
Methylenechloride	<2	<0.2	<20	<2	<0.2	<0.2	<0.2	<200	**1.1**
Tetrachloroethylene	<2	<0.2	<20	<2	<0.2	<0.2	<0.2	<200	**0.9**
Trichlorofluoromethane	<2	<0.2	<20	<2	<0.2	<0.2	<0.2	<200	**1.2**
1,1-Dichloroethane	<2	<0.2	<20	<2	<0.2	<0.2	<0.2	<200	<0.2
1,1-Dichloroethylene	<2	<0.2	<20	<2	<0.2	<0.2	<0.2	<200	<0.2
1,1,1-Trichloroethane	<2	<0.2	<20	<2	<0.2	<0.2	<0.2	<200	<0.2
Benzene, o-chloro	<2	<0.2	<20	<2	<0.2	<0.2	<0.2	<200	<0.2
1,2-Dichloropropane	<2	<0.2	<20	<2	<0.2	<0.2	<0.2	<200	<0.2
1,2-Transdichloroethene	<2	<0.2	<20	<2	<0.2	<0.2	<0.2	<200	<0.2
Benzene, 1,3-dichloro	<2	<0.2	<20	<2	<0.2	<0.2	<0.2	<200	<0.2
Benzene, 1,4-dichloro	<2	<0.2	<20	<2	<0.2	<0.2	<0.2	<200	<0.2
Dichlorodifluoromethane	<2	<0.2	<20	<2	<0.2	<0.2	<0.2	<200	**0.2**
Vinylchloride	<2	<0.2	<20	<2	<0.2	<0.2	<0.2	<200	<0.2
Trichloroethylene	<2	<0.2	<20	<2	<0.2	<0.2	<0.2	<200	<0.2
Cis-1,2-dichloroethene	<2	<0.2	<20	**1.2**	<0.2	<0.2	<0.2	<200	<0.2
Styrene	<2	<0.2	<20	<2	<0.2	<0.2	<0.2	<200	<0.2
Freon 113	<2	<0.2	<20	<2	<0.2	<0.2	<0.2	<200	<0.2
Methyl tert-butyl ether (MTBE)	<2	<0.2	<20	<2	<0.2	**0.8**	**0.9**	<200	<0.2
Xylene	**22.0**	<0.2	**5500.0**	**210.0**	<0.2	<0.2	<0.2	**5300.0**	<0.2

WATER-ELEVATION TABLES AND HYDROGRAPHS

AR3 GROUND-WATER OBSERVATION WELL

Site ID: 645107147431701
Local Number: FC00100103DCBD1 004

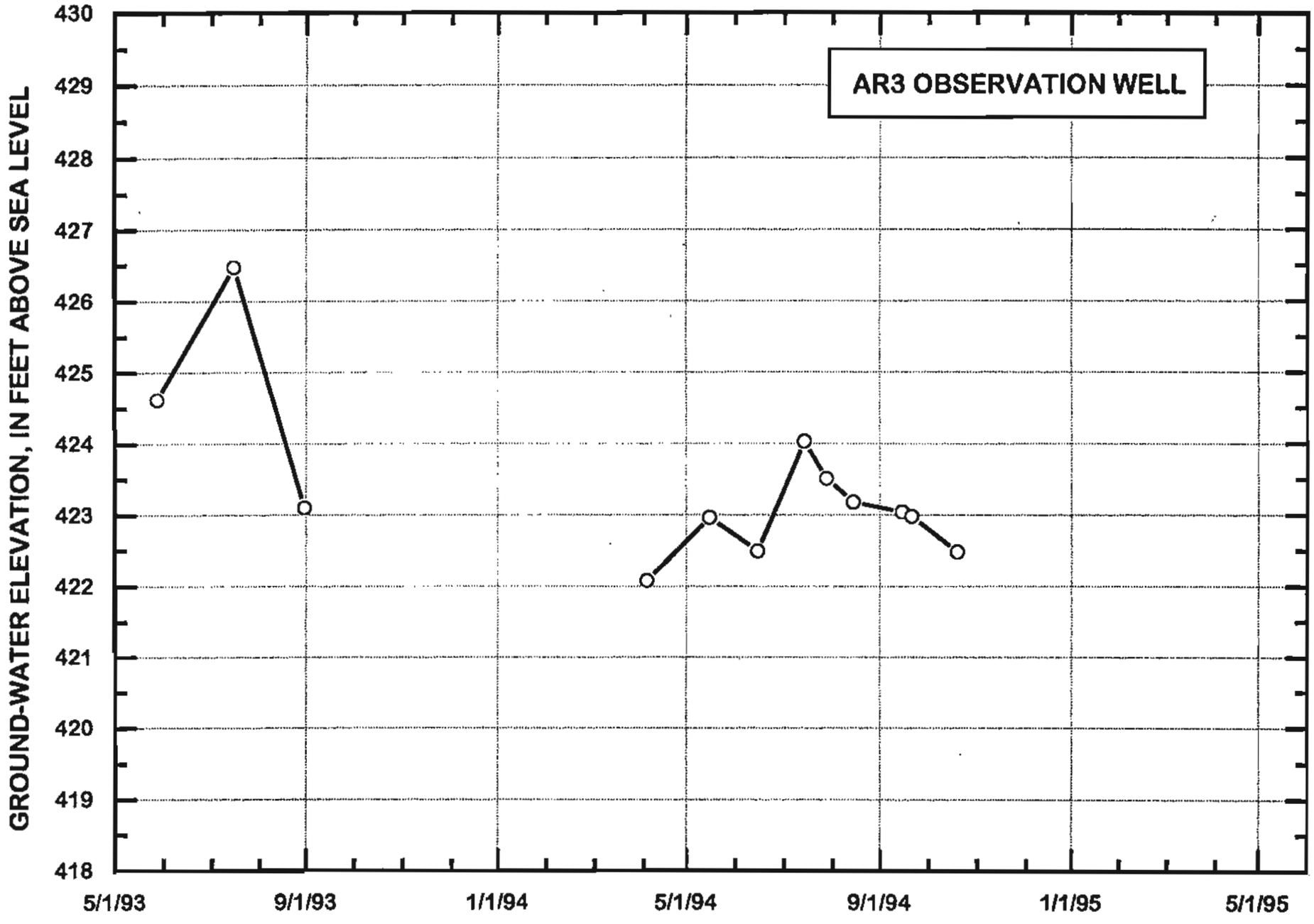
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	32.3	408.4
Depth from TOC to top of SI :	28.3	412.4
Depth from TOC to bottom of SI :	32.3	408.4
Land surface datum:		438.1

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-21-93	440.62

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
05-28-93	1355	E-tape	16.01	0.02	13.49	424.61	PM
07-16-93	1516	Steel tape	14.15	0.01	11.63	426.47	MM
08-31-93	1650	E-tape	17.52	0.02	15.00	423.10	MM
04-06-94	1112	Steel tape	18.54	0.01	16.02	422.08	PM
05-16-94	1044	Steel tape	17.66	0.01	15.14	422.96	MM
06-15-94	1225	Steel tape	18.13	0.01	15.61	422.49	MM
07-15-94	1450	Steel tape	16.59	0.01	14.07	424.03	MM
07-29-94	1410	Steel tape	17.11	0.01	14.59	423.51	PM
08-15-94	1153	Steel tape	17.44	0.01	14.92	423.18	MM
09-15-94	1331	Steel tape	17.58	0.01	15.06	423.04	MM
09-21-94	1525	Steel tape	17.64	0.01	15.12	422.98	PM
10-20-94	1223	Steel tape	18.14	0.01	15.62	422.48	MM


AR3 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR4 GROUND-WATER OBSERVATION WELL

Site ID: 645101147430601
Local Number: FC00100103DCDD2 003

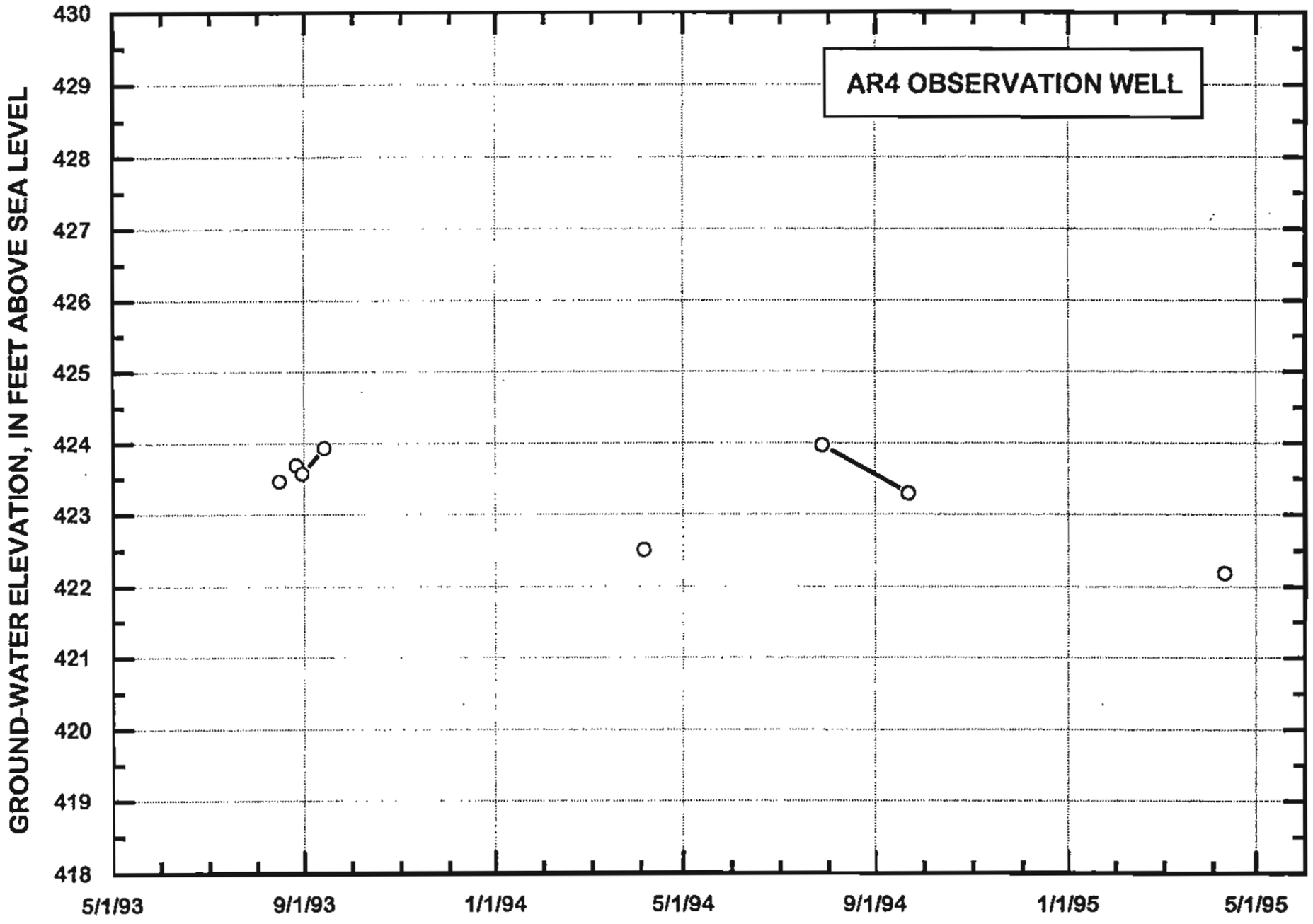
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	31.9	407.8
Depth from TOC to top of SI :	28.0	411.7
Depth from TOC to bottom of SI :	31.9	407.8
Land surface datum:		436.9

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-22-93	439.69

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
08-16-93	1620	Steel tape	16.23	0.01	13.44	423.46	MM
08-27-93	1605	E-tape	16.00	0.02	13.21	423.69	PM
08-31-93	1550	E-tape	16.12	0.02	13.33	423.57	PM
09-14-93	1538	E-tape	15.76	0.02	12.97	423.93	MM
04-06-94	0854	Steel tape	17.18	0.01	14.39	422.51	PM
07-29-94	1303	Steel tape	15.72	0.01	12.93	423.97	PM
09-22-94	0907	Steel tape	16.40	0.01	13.61	423.29	PM
04-11-95	1228	E-tape	17.50	0.02	14.71	422.19	PM


AR4 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR7 GROUND-WATER OBSERVATION WELL

Site ID: 645102147430801
Local Number: FC00100103DCDB1 002

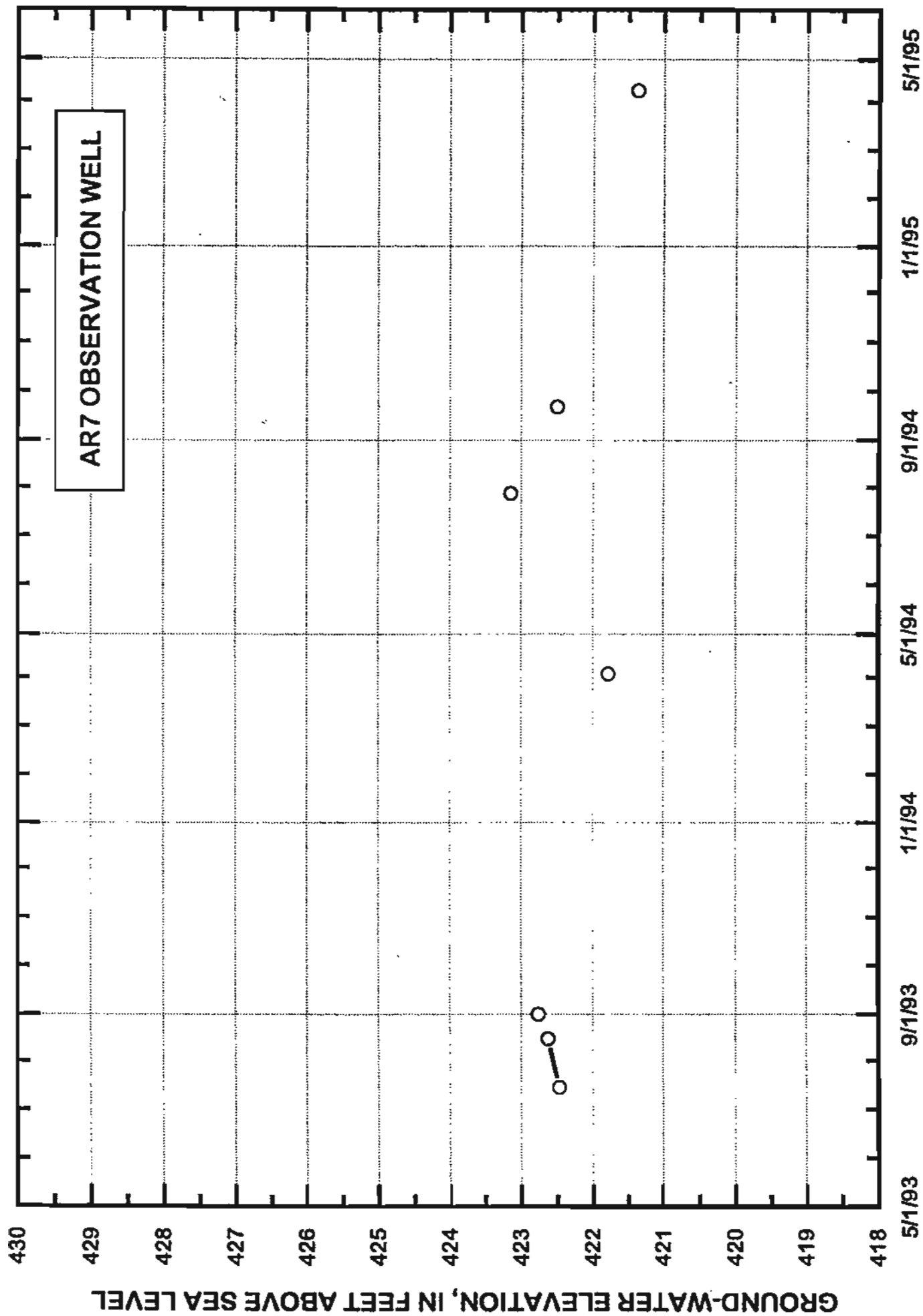
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	24.5	415.6
Depth from TOC to top of SI :	15.5	424.6
Depth from TOC to bottom of SI :	24.5	415.6
Land surface datum:		437.7

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-06-94	440.08

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
07-16-93	1530	Steel tape	17.61	0.01	15.23	422.47	MM
08-16-93	1428	Steel tape	17.45	0.01	15.07	422.63	MM
09-01-93	0844	E-tape	17.32	0.02	14.94	422.76	PM
04-06-94	1621	Steel tape	18.30	0.01	15.92	421.78	PM
07-29-94	1330	Steel tape	16.93	0.01	14.55	423.15	PM
09-22-94	1014	Steel tape	17.57	0.01	15.19	422.51	PM
04-11-95	1526	E-tape	18.71	0.02	16.33	421.37	PM


AR7 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR15 GROUND-WATER OBSERVATION WELL

Site ID: 645106147431501
Local Number: FC00100103DCAC6 009

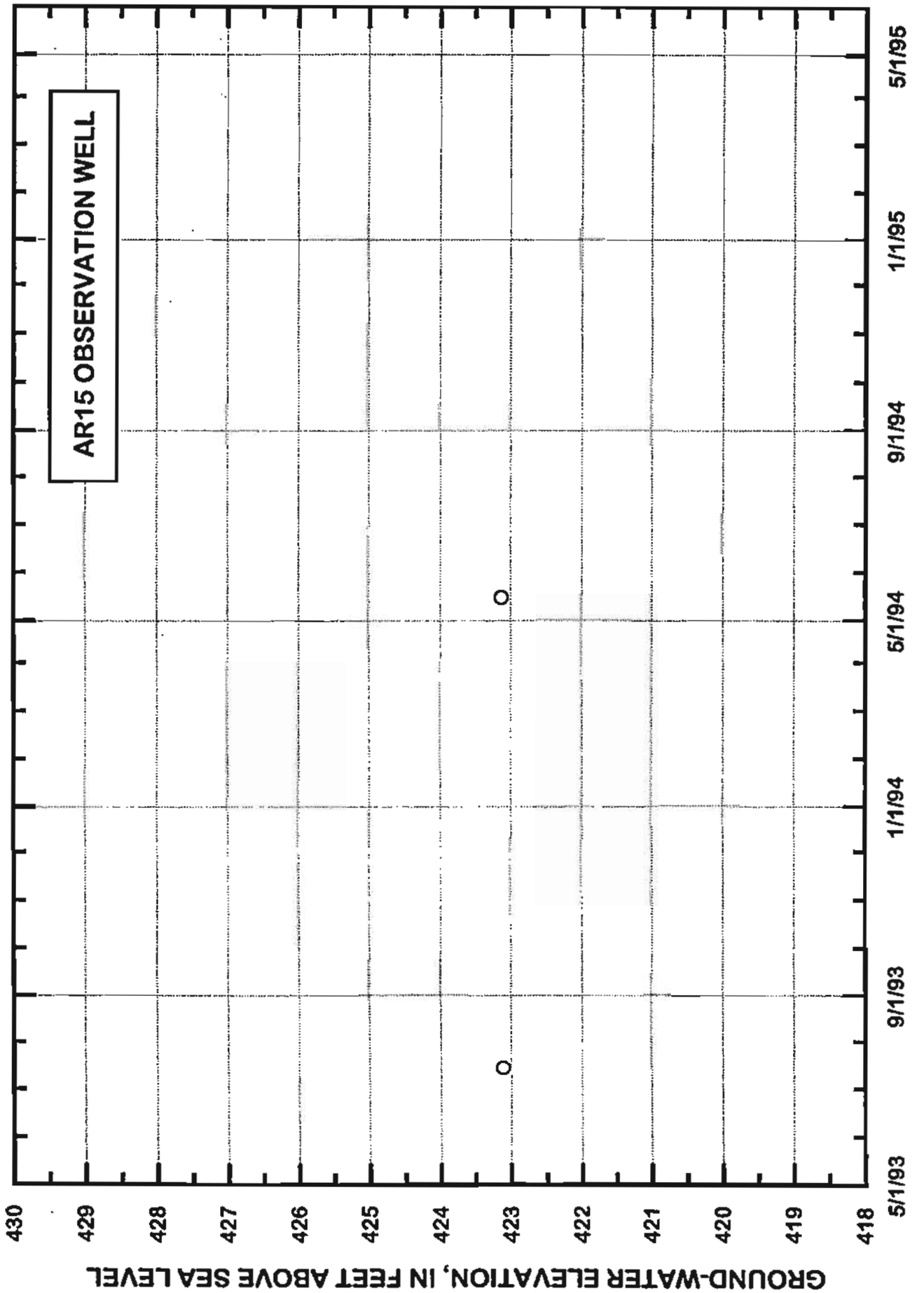
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	NA	NA
Depth from TOC to top of SI :	NA	NA
Depth from TOC to bottom of SI :	NA	NA
Land surface datum:		437.8

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-21-93	440.81

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
07-16-93	1536	Steel tape	17.70	0.01	14.69	423.11	PM
05-16-94	1049	Steel tape	17.68	0.01	14.67	423.13	MM


AR15 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR16 GROUND-WATER OBSERVATION WELL

Site ID: 645103147432001
Local Number: FC00100103DCBD2 004

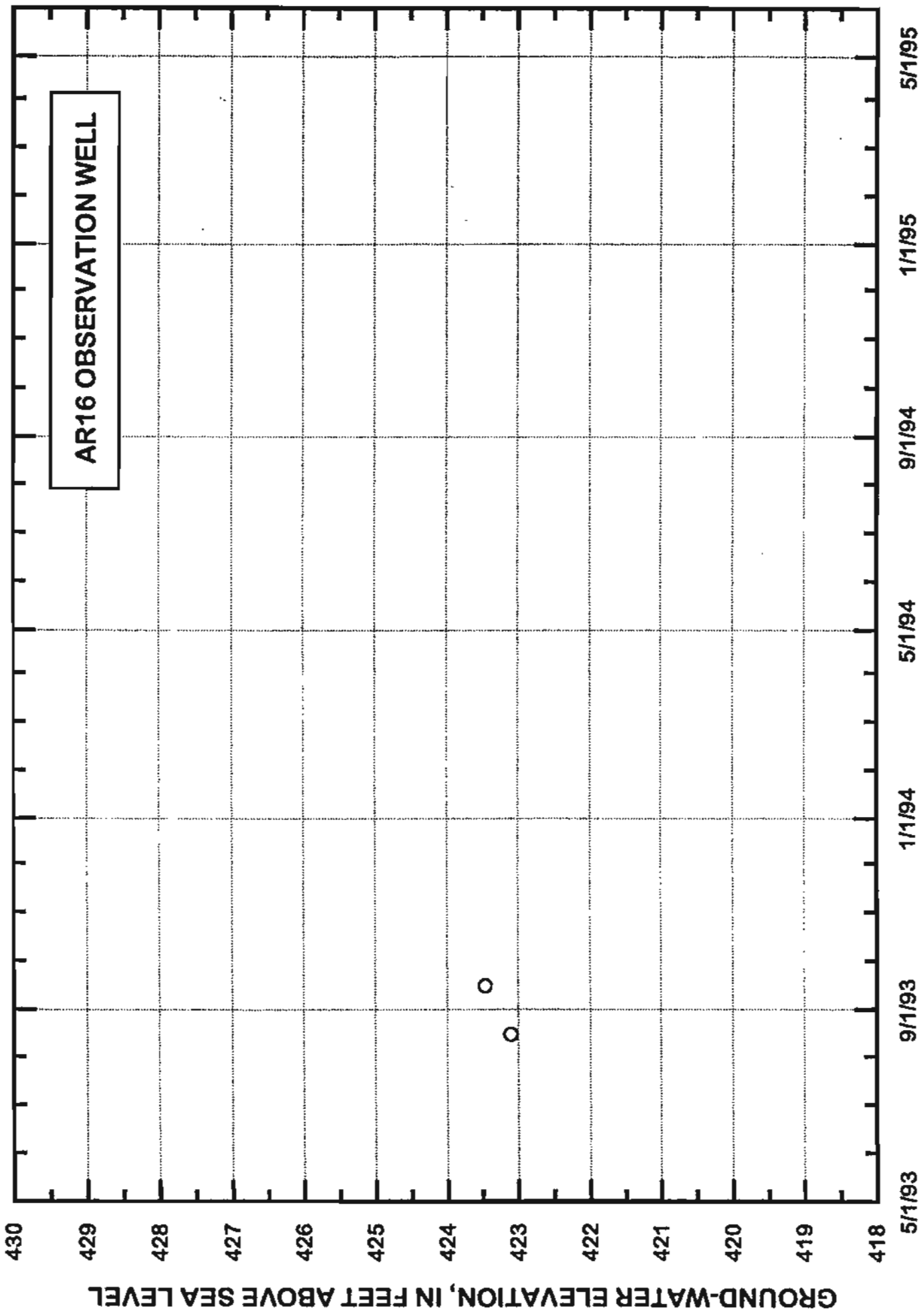
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	28.0	409.3
Depth from TOC to top of SI :	25.0	412.3
Depth from TOC to bottom of SI :	28.0	409.3
Land surface datum:		437.4

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-21-93	437.32

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
08-16-93	1528	Steel tape	14.22	0.01	14.30	423.10	MM
09-16-93	1525	E-tape	13.86	0.02	13.94	423.46	MM


AR16 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR19 GROUND-WATER OBSERVATION WELL

Site ID: 645047147441101
Local Number: FC00100110BBDC1 016

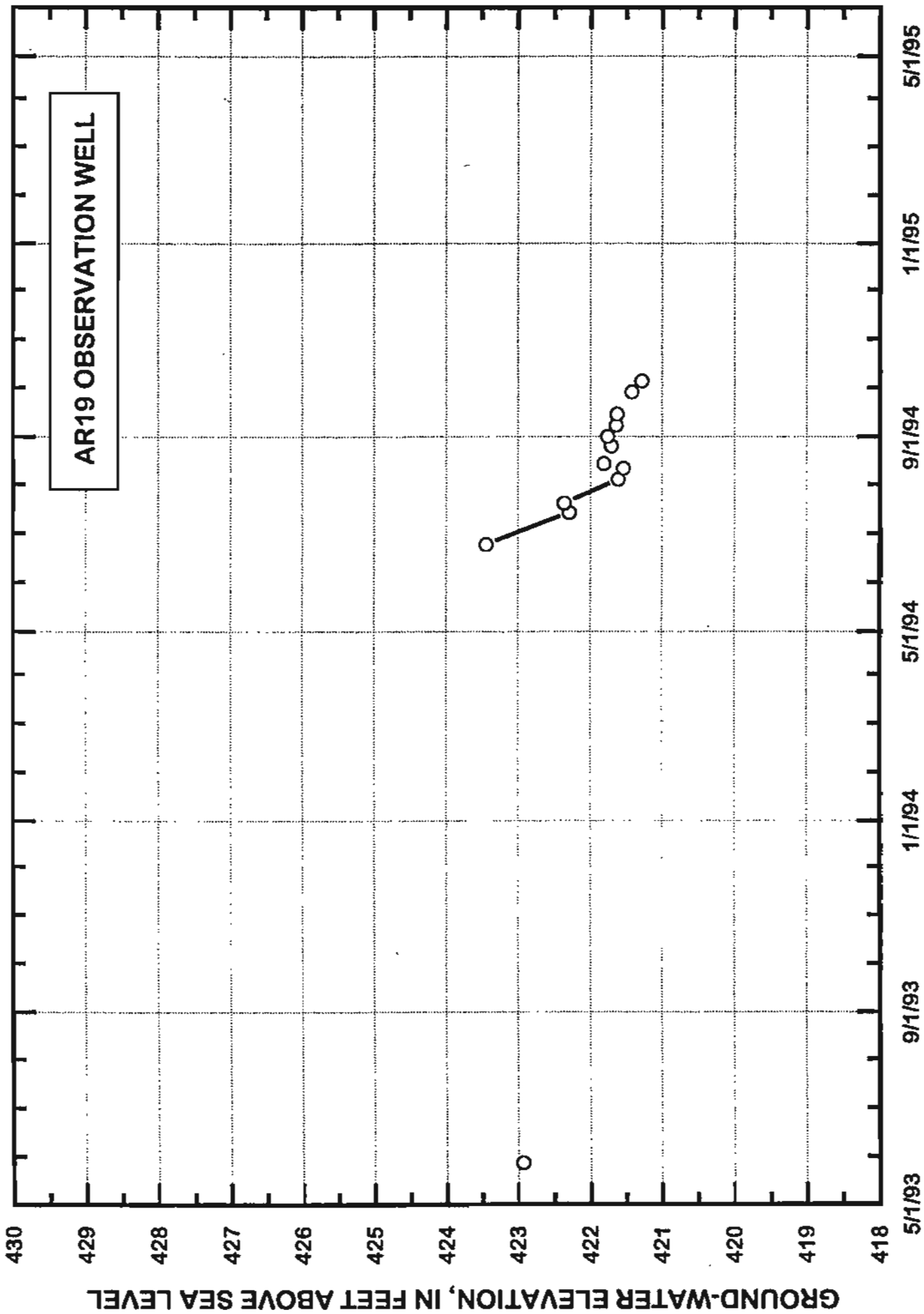
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	49.4	385.5
Depth from TOC to top of SI :	NA	NA
Depth from TOC to bottom of SI :	49.4	385.5
Land surface datum:		435.0

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-28-93	434.91

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
05-28-93	1605	E-tape	11.98	0.02	12.07	422.93	PM
06-15-94	1432	NA	NA	NA	NA	NA	Access trouble
06-25-94	1250	Steel tape	11.47	0.01	11.56	423.44	PM
07-15-94	1225	Steel tape	12.62	0.01	12.71	422.29	MM
07-21-94	1603	Steel tape	12.55	0.01	12.64	422.36	PM
08-05-94	1250	Steel tape	13.30	0.01	13.39	421.61	PM
08-12-94	1420	Steel tape	13.37	0.01	13.46	421.54	PM
08-15-94	1535	Steel tape	13.10	0.01	13.19	421.81	MM
08-26-94	1203	Steel tape	13.20	0.01	13.29	421.71	PM
09-01-94	1713	Steel tape	13.15	0.01	13.24	421.76	PM
09-08-94	1530	Steel tape	13.27	0.01	13.36	421.64	PM
09-15-94	1515	Steel tape	13.28	0.01	13.37	421.63	MM
09-29-94	1221	Steel tape	13.49	0.01	13.58	421.42	PM
10-06-94	1509	Steel tape	13.63	0.01	13.72	421.28	PM


AR19 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR20 GROUND-WATER OBSERVATION WELL

Site ID: 645047147441102
Local Number: FC00100110BBDC2 016

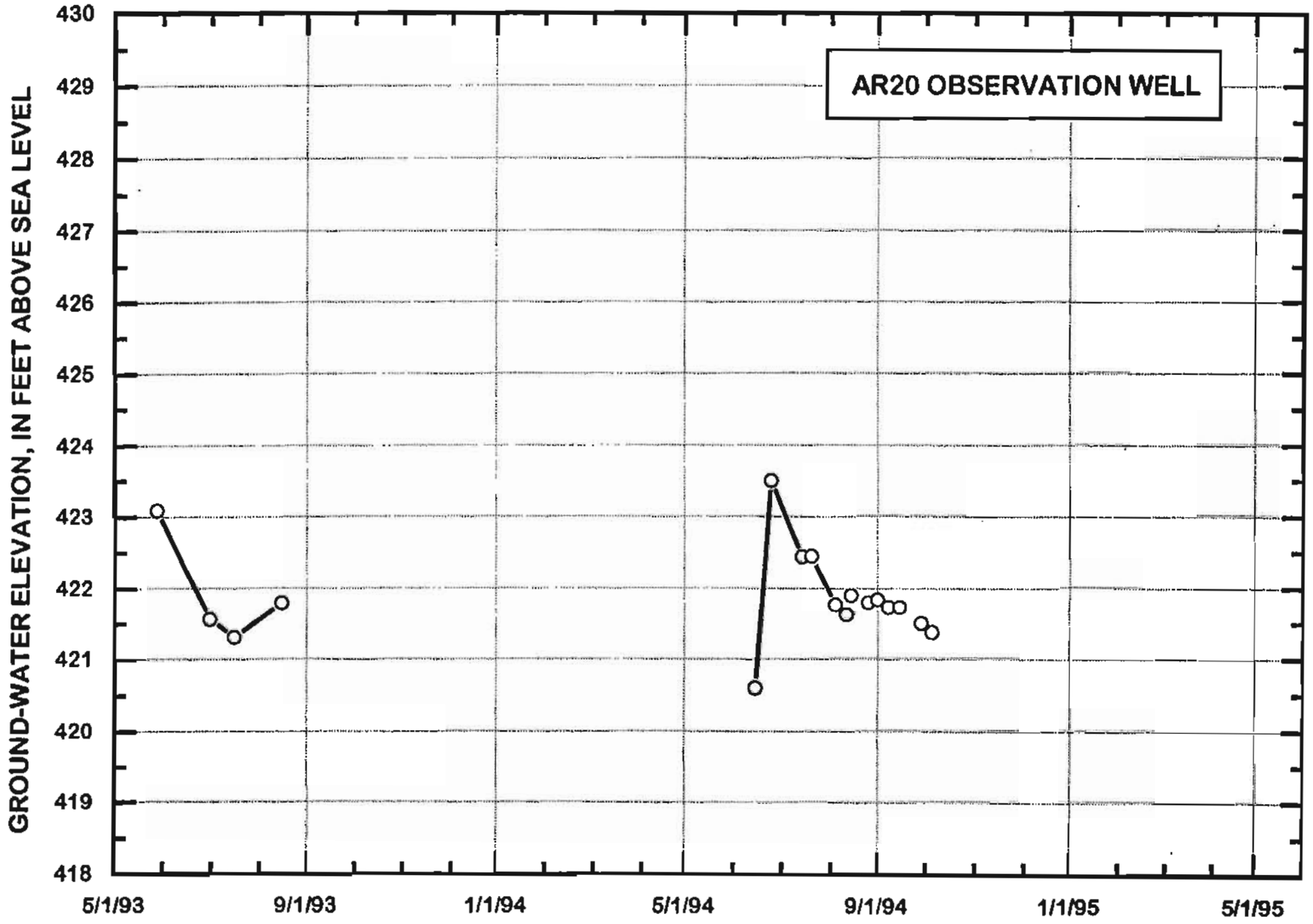
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	24.1	410.9
Depth from TOC to top of SI :	14.8	420.2
Depth from TOC to bottom of SI :	24.1	410.9
Land surface datum:		435.0

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-28-93	434.99

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
05-28-93	1610	E-tape	11.90	0.02	11.91	423.09	PM
07-01-93	1425	E-tape	13.42	0.02	13.43	421.57	PM
07-17-93	1607	Steel tape	13.68	0.01	13.69	421.31	MM
08-16-93	1839	Steel tape	13.20	0.01	13.21	421.79	MM
06-15-94	1430	Steel tape	14.39	0.01	14.40	420.60	MM
06-25-94	1255	Steel tape	11.49	0.01	11.50	423.50	PM
07-15-94	1230	Steel tape	12.55	0.01	12.56	422.44	MM
07-21-94	1607	Steel tape	12.54	0.01	12.55	422.45	PM
08-05-94	1255	Steel tape	13.22	0.01	13.23	421.77	PM
08-12-94	1425	Steel tape	13.36	0.01	13.37	421.63	PM
08-15-94	1540	Steel tape	13.09	0.01	13.10	421.90	MM
08-26-94	1207	Steel tape	13.19	0.01	13.20	421.80	PM
09-01-94	1717	Steel tape	13.15	0.01	13.16	421.84	PM
09-08-94	1535	Steel tape	13.26	0.01	13.27	421.73	PM
09-15-94	1519	Steel tape	13.26	0.01	13.27	421.73	MM
09-29-94	1224	Steel tape	13.48	0.01	13.49	421.51	PM
10-06-94	1513	Steel tape	13.61	0.01	13.62	421.38	PM


AR20 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR25 GROUND-WATER OBSERVATION WELL

Site ID: 645104147430201
Local Number: FC00100103DCAC1 008

All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	21.0	421.4
Depth from TOC to top of SI :	10.8	431.6
Depth from TOC to bottom of SI :	21.0	421.4
Land surface datum:		439.5

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-19-93	442.44

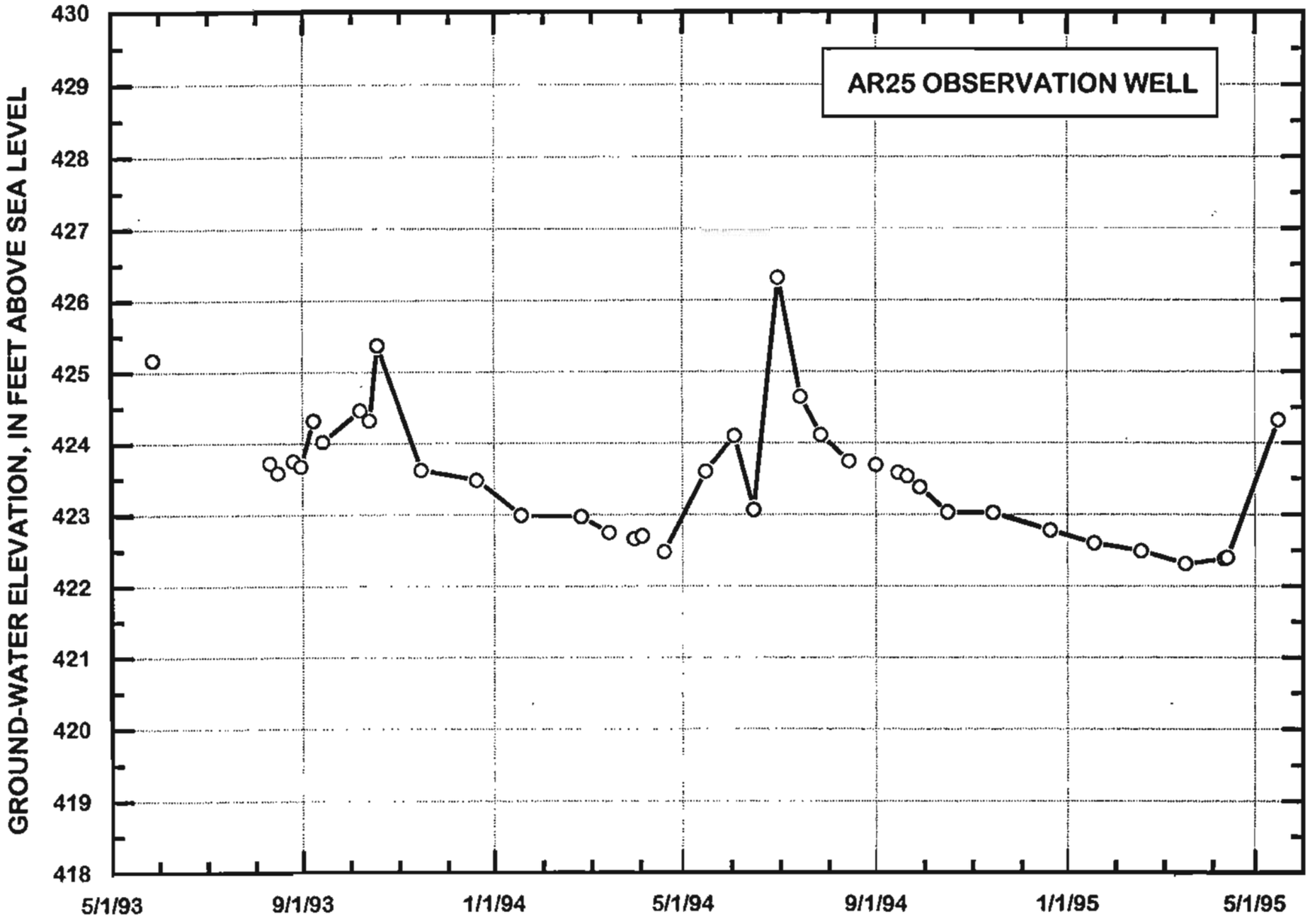
Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
05-28-93	1415	E-tape	17.27	0.02	14.33	425.17	PM
06-01-93	NA	NA	NA	NA	NA	NA	NA
08-11-93	1500	Steel tape	18.72	0.01	15.78	423.72	PM
08-16-93	1425	Steel tape	18.86	0.01	15.92	423.58	MM
08-26-93	1733	E-tape	18.69	0.02	15.75	423.75	PM
08-31-93	1143	E-tape	18.77	0.02	15.83	423.67	PM
09-08-93	1413	Steel tape	18.12	0.01	15.18	424.32	PM
09-14-93	1317	Steel tape	18.42	0.01	15.48	424.02	MM
10-08-93	1458	E-tape	17.98	0.02	15.04	424.46	PM
10-14-93	1338	E-tape	18.12	0.02	15.18	424.32	PM
10-19-93	1540	Steel tape	17.07	0.01	14.13	425.37	MM
11-16-93	1502	E-tape	18.82	0.02	15.88	423.62	MM
12-21-93	1243	Steel tape	18.96	0.01	16.02	423.48	MM
01-18-94	1220	Steel tape	19.45	0.01	16.51	422.99	MM
02-25-94	1311	Steel tape	19.47	0.01	16.53	422.97	MM
03-15-94	1334	Steel tape	19.69	0.01	16.75	422.75	MM
03-31-94	1023	Steel tape	19.78	0.01	16.84	422.66	PM
04-05-94	1629	Steel tape	19.74	0.01	16.80	422.70	PM

AR25 GROUND-WATER OBSERVATION WELL (Continued)

Site ID: 645104147430201
Local Number: FC00100103DCAC1 008

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
04-19-94	1500	E-tape	19.96	0.03	17.02	422.48	MM
05-16-94	1114	Steel tape	18.84	0.01	15.90	423.60	MM
06-03-94	1110	Steel tape	18.34	0.01	15.40	424.10	PM
06-15-94	1230	Steel tape	19.37	0.01	16.43	423.07	MM
07-01-94	1433	Steel tape	16.13	0.01	13.19	426.31	PM
07-15-94	1411	Steel tape	17.79	0.01	14.85	424.65	MM
07-28-94	1030	Steel tape	18.33	0.01	15.39	424.11	PM
08-15-94	1205	Steel tape	18.70	0.01	15.76	423.74	MM
09-01-94	1610	Steel tape	18.75	0.01	15.81	423.69	PM
09-15-94	1327	Steel tape	18.86	0.01	15.92	423.58	MM
09-21-94	1729	Steel tape	18.91	0.01	15.97	423.53	PM
09-29-94	1309	Steel tape	19.06	0.01	16.12	423.38	PM
10-17-94	1626	Steel tape	19.41	0.01	16.47	423.03	MM
11-15-94	1321	E-tape	19.42	0.02	16.48	423.02	MM
12-21-94	1036	Steel tape	19.66	0.01	16.72	422.78	MM
01-18-95	1433	E-tape	19.84	0.02	16.90	422.60	MM
02-17-95	0935	Steel tape	19.95	0.01	17.01	422.49	MM
03-17-95	1054	E-tape	20.13	0.02	17.19	422.31	MM
04-11-95	1126	E-tape	20.06	0.02	17.12	422.38	PM
04-13-95	1355	E-tape	20.04	0.02	17.10	422.40	MM
05-16-95	1143	E-tape	18.12	0.02	15.18	424.32	MM

BLANK


AR25 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR26 GROUND-WATER OBSERVATION WELL

Site ID: 645105147431101
Local Number: FC00100103DCAC1 009

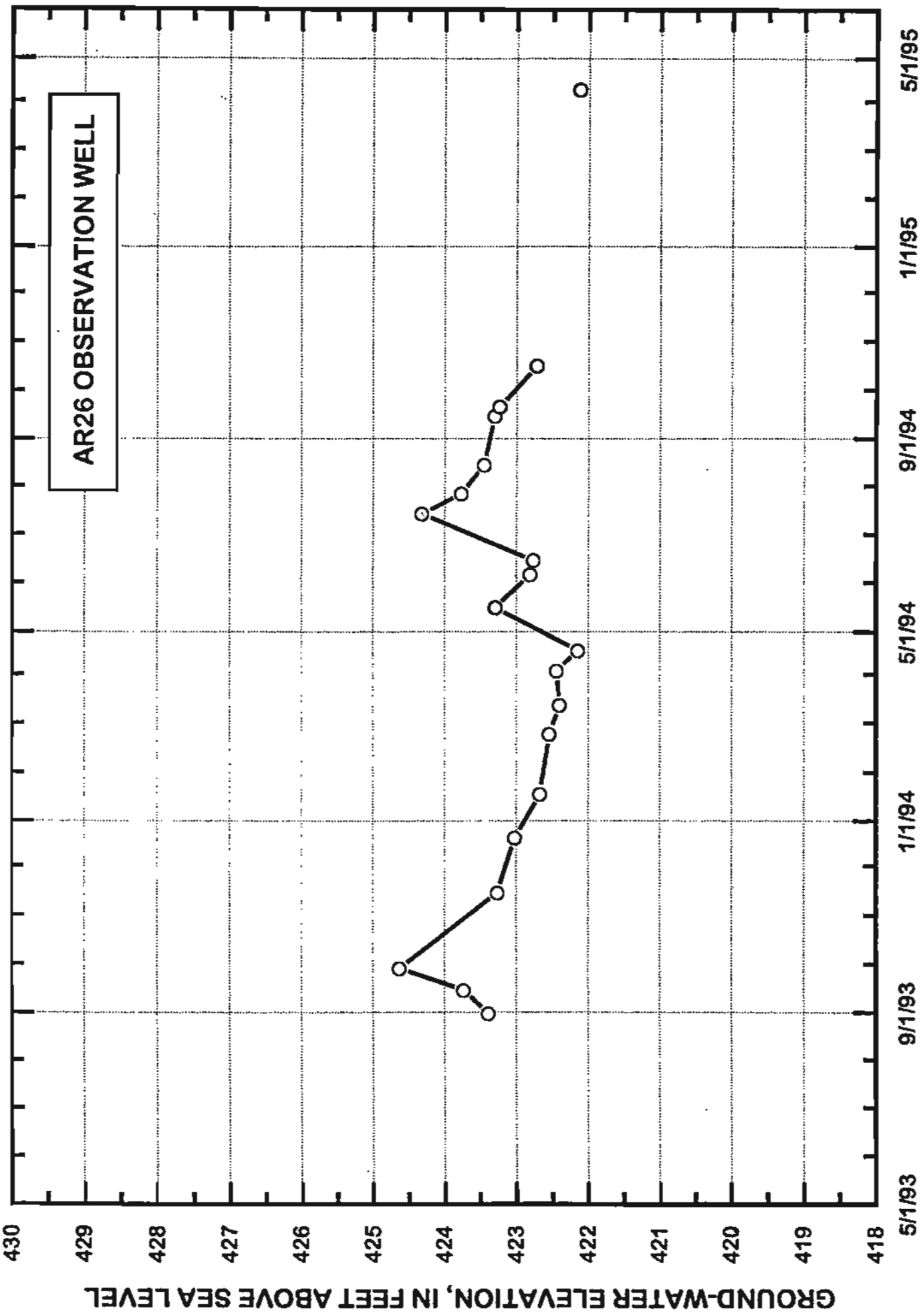
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	19.2	421.1
Depth from TOC to top of SI :	8.5	431.8
Depth from TOC to bottom of SI :	18.5	421.8
Land surface datum:		437.7

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-21-93	440.25

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
08-31-93	1710	E-tape	16.86	0.02	14.29	423.39	PM
09-15-93	1330	Steel tape	16.52	0.01	13.95	423.73	MM
09-29-93	1548	E-tape	15.62	0.02	13.05	424.63	PM
11-16-93	1440	E-tape	16.99	0.02	14.42	423.26	MM
12-21-93	1240	Steel tape	17.23	0.01	14.66	423.02	MM
01-18-94	1216	Steel tape	17.58	0.01	15.01	422.67	MM
02-25-94	1300	Steel tape	17.71	0.01	15.14	422.54	MM
03-15-94	1346	Steel tape	17.85	0.01	15.28	422.40	MM
04-06-94	1029	Steel tape	17.81	0.01	15.24	422.44	PM
04-19-94	1503	E-tape	18.10	0.02	15.53	422.15	MM
05-16-94	1119	Steel tape	16.96	0.01	14.39	423.29	MM
06-06-94	1100	Steel tape	17.44	0.01	14.87	422.81	PM
06-15-94	1235	Steel tape	17.48	0.01	14.91	422.77	MM
07-15-94	1410	Steel tape	15.94	0.01	13.37	424.31	MM
07-28-94	1006	Steel tape	16.48	0.01	13.91	423.77	PM
08-15-94	1200	Steel tape	16.80	0.01	14.23	423.45	MM
09-15-94	1324	Steel tape	16.95	0.01	14.38	423.30	MM
09-21-94	1139	Steel tape	17.02	0.01	14.45	423.23	PM
10-17-94	1525	Steel tape	17.53	0.01	14.96	422.72	MM
04-11-95	0910	E-tape	18.12	0.02	15.55	422.13	MM


AR26 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR27 GROUND-WATER OBSERVATION WELL

Site ID: 645107147430601
Local Number: FC00100103DCAD2 008

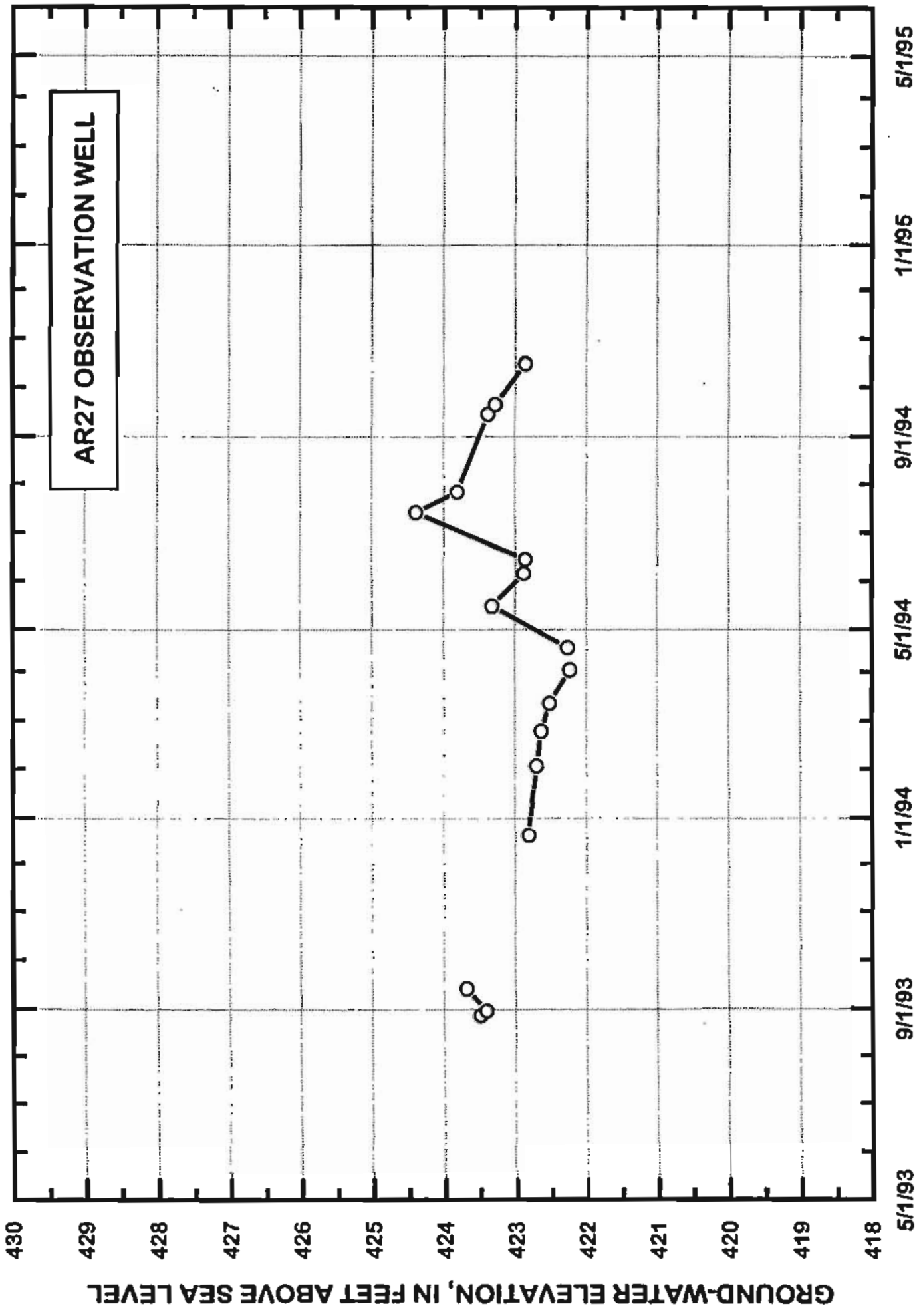
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	20.4	421.1
Depth from TOC to top of SI :	8.9	432.6
Depth from TOC to bottom of SI :	20.4	421.1
Land surface datum:		439.0

LS, land surface
MM, mass measurement
NA, not available
PM, partial measurement
MP, measuring point
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-19-93	441.51

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
08-28-93	1540	E-tape	18.02	0.02	15.50	423.49	PM
08-31-93	1245	E-tape	18.10	0.02	15.58	423.41	PM
09-14-93	1329	E-tape	17.82	0.02	15.30	423.69	MM
12-21-93	1538	Steel tape	18.70	0.01	16.18	422.81	MM
02-03-94	1013	Steel tape	18.81	0.01	16.29	422.70	PM
02-25-94	1305	Steel tape	18.87	0.01	16.35	422.64	MM
03-15-94	1355	Steel tape	18.99	0.01	16.47	422.52	MM
04-05-94	1712	Steel tape	19.27	0.01	16.75	422.24	PM
04-19-94	1507	E-tape	19.24	0.03	16.72	422.27	MM
05-16-94	1123	Steel tape	18.19	0.01	15.67	423.32	MM
06-06-94	0952	Steel tape	18.63	0.01	16.11	422.88	PM
06-15-94	1240	Steel tape	18.65	0.01	16.13	422.86	MM
07-15-94	1406	Steel tape	17.12	0.01	14.60	424.39	MM
07-28-94	0945	Steel tape	17.70	0.01	15.18	423.81	PM
09-15-94	1319	Steel tape	18.13	0.01	15.61	423.38	MM
09-21-94	1107	Steel tape	18.23	0.01	15.71	423.28	PM
10-17-94	1522	Steel tape	18.65	0.01	16.13	422.86	MM


AR27 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR34 GROUND-WATER OBSERVATION WELL

Site ID: 645058147430201
Local Number: FC00100103DCDD5 003

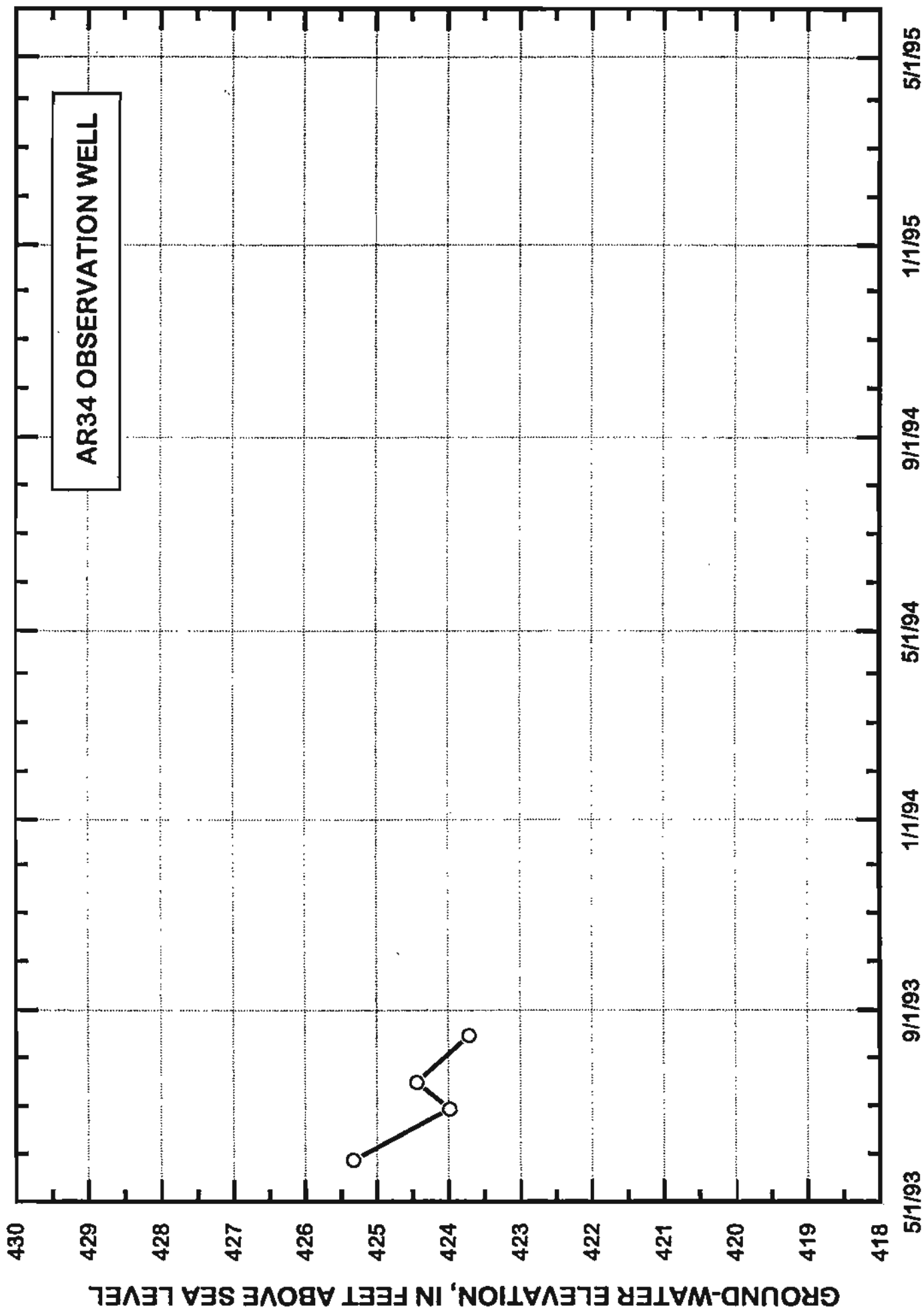
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	22.1	418.5
Depth from TOC to top of SI :	12.1	428.5
Depth from TOC to bottom of SI :	22.1	418.5
Land surface datum:		440.8

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-22-93	440.59

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
05-28-93	1507	E-tape	15.26	0.02	15.47	425.33	PM
06-30-93	1500	E-tape	16.61	0.02	16.82	423.98	PM
07-17-93	1459	Steel tape	16.15	0.01	16.36	424.44	MM
08-16-93	1648	Steel tape	16.88	0.01	17.09	423.71	MM


AR34 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR35 GROUND-WATER OBSERVATION WELL

Site ID: 645059147430101
Local Number: FC00100103DCDD6 003

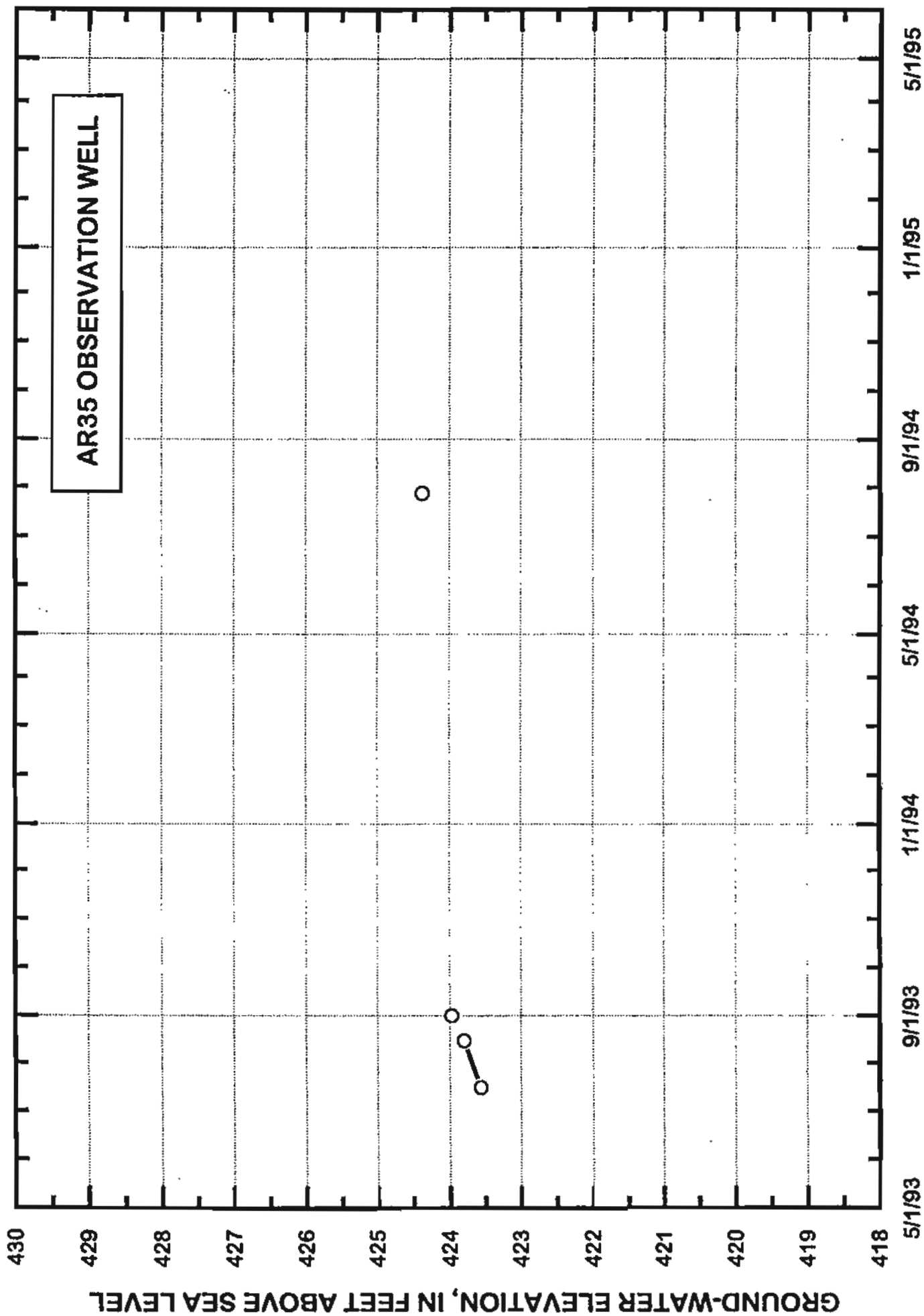
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	21.6	417.8
Depth from TOC to top of SI :	11.5	427.9
Depth from TOC to bottom of SI :	21.6	417.8
Land surface datum:		439.6

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-22-93	439.37

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
07-17-93	1456	Steel tape	15.80	0.01	16.03	423.57	MM
08-16-93	1648	Steel tape	15.57	0.01	15.80	423.80	MM
09-01-93	0907	E-tape	15.40	0.02	15.63	423.97	PM
07-29-94	1703	Steel tape	15.00	0.01	15.23	424.37	PM


AR35 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR37 GROUND-WATER OBSERVATION WELL

Site ID: 645058147425901
Local Number: FC00100103DDCC3 005

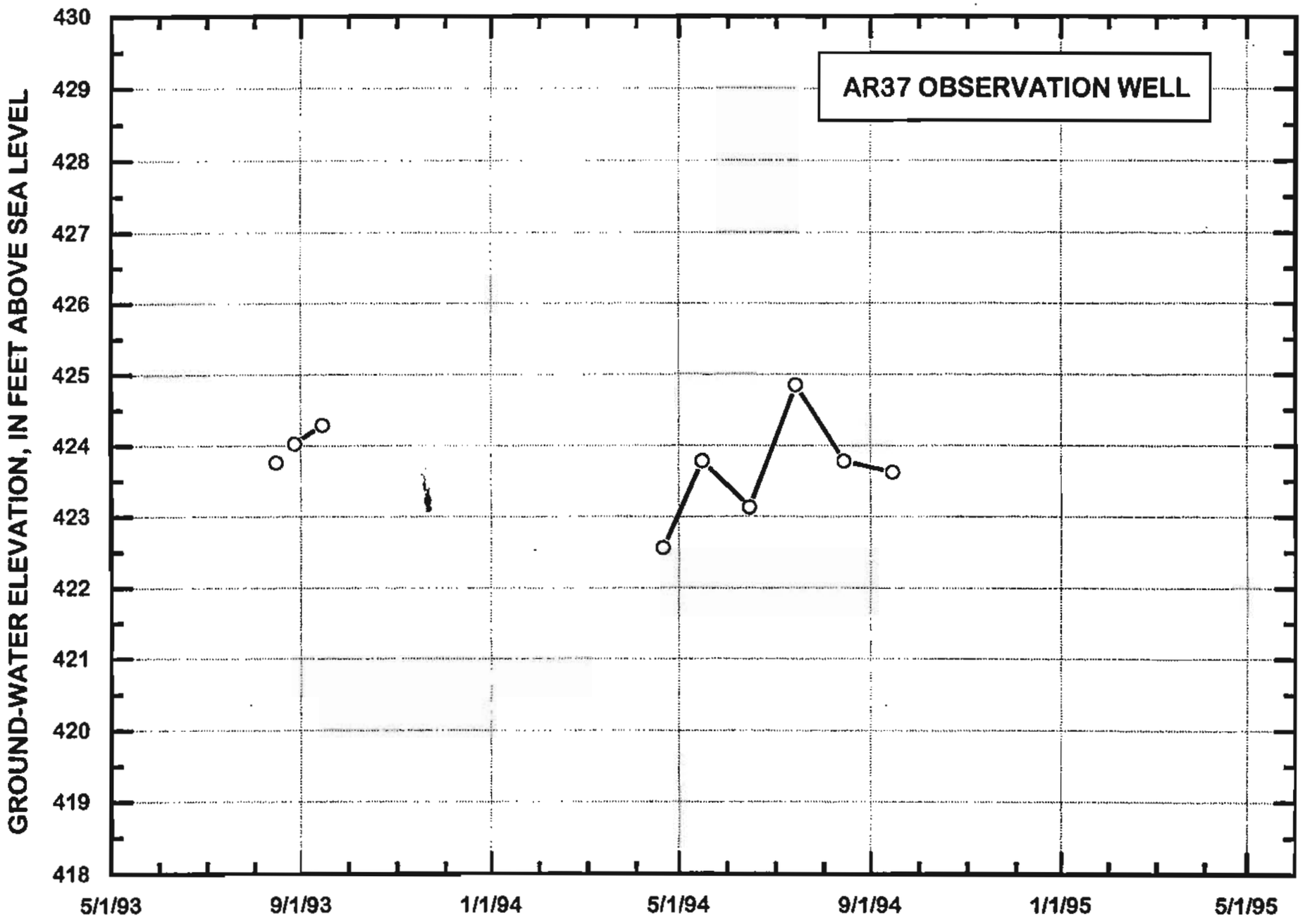
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	NA	NA
Depth from TOC to top of SI :	NA	NA
Depth from TOC to bottom of SI :	NA	NA
Land surface datum:		441.5

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-22-93	441.28

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
08-16-93	1651	Steel tape	17.52	0.01	17.74	423.76	MM
08-28-93	1051	E-tape	17.25	0.02	17.47	424.03	PM
09-15-93	1345	Steel tape	16.99	0.01	17.21	424.29	MM
04-21-94	1547	Steel tape	18.72	0.01	18.94	422.56	MM
05-16-94	0944	Steel tape	17.50	0.01	17.72	423.78	MM
06-15-94	1420	Steel tape	18.15	0.01	18.37	423.13	MM
07-15-94	1418	Steel tape	16.43	0.01	16.65	424.85	MM
08-15-94	0940	Steel tape	17.50	0.01	17.72	423.78	MM
09-15-94	1242	Steel tape	17.66	0.01	17.88	423.62	MM


AR37 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR38 GROUND-WATER OBSERVATION WELL

Site ID: 645108147431101
Local Number: FC00100103DCAB1 011

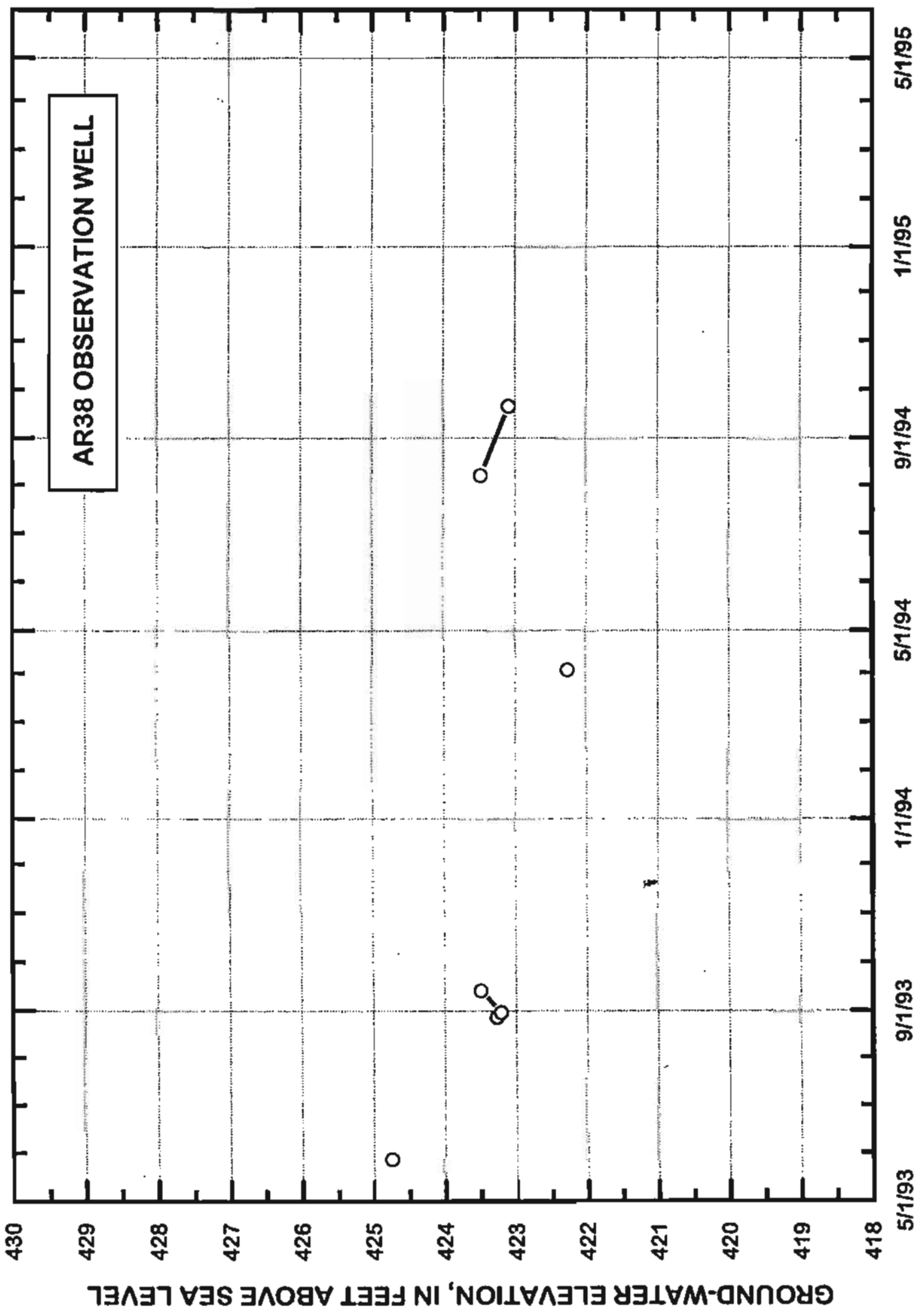
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	20.0	420.7
Depth from TOC to top of SI :	11.0	429.7
Depth from TOC to bottom of SI :	20.0	420.7
Land surface datum:		438.2

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-21-93	440.73

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
05-28-93	1320	E-tape	15.98	0.02	13.45	424.75	PM
06-01-93	NA	NA	NA	NA	NA	NA	NA
08-28-93	1615	E-tape	17.46	0.05	14.93	423.27	PM
08-31-93	1345	E-tape	17.52	0.02	14.99	423.21	PM
09-14-93	1320	E-tape	17.24	0.02	14.71	423.49	MM
03-01-94	NA	NA	NA	NA	NA	NA	NA
04-06-94	1206	Steel tape	18.46	0.01	15.93	422.27	PM
08-08-94	1050	Steel tape	17.25	0.01	14.72	423.48	PM
09-21-94	1217	Steel tape	17.64	0.01	15.11	423.09	PM


AR38 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR41 GROUND-WATER OBSERVATION WELL

Site ID: 645110147430801
Local Number: FC00100103DCAA2 012

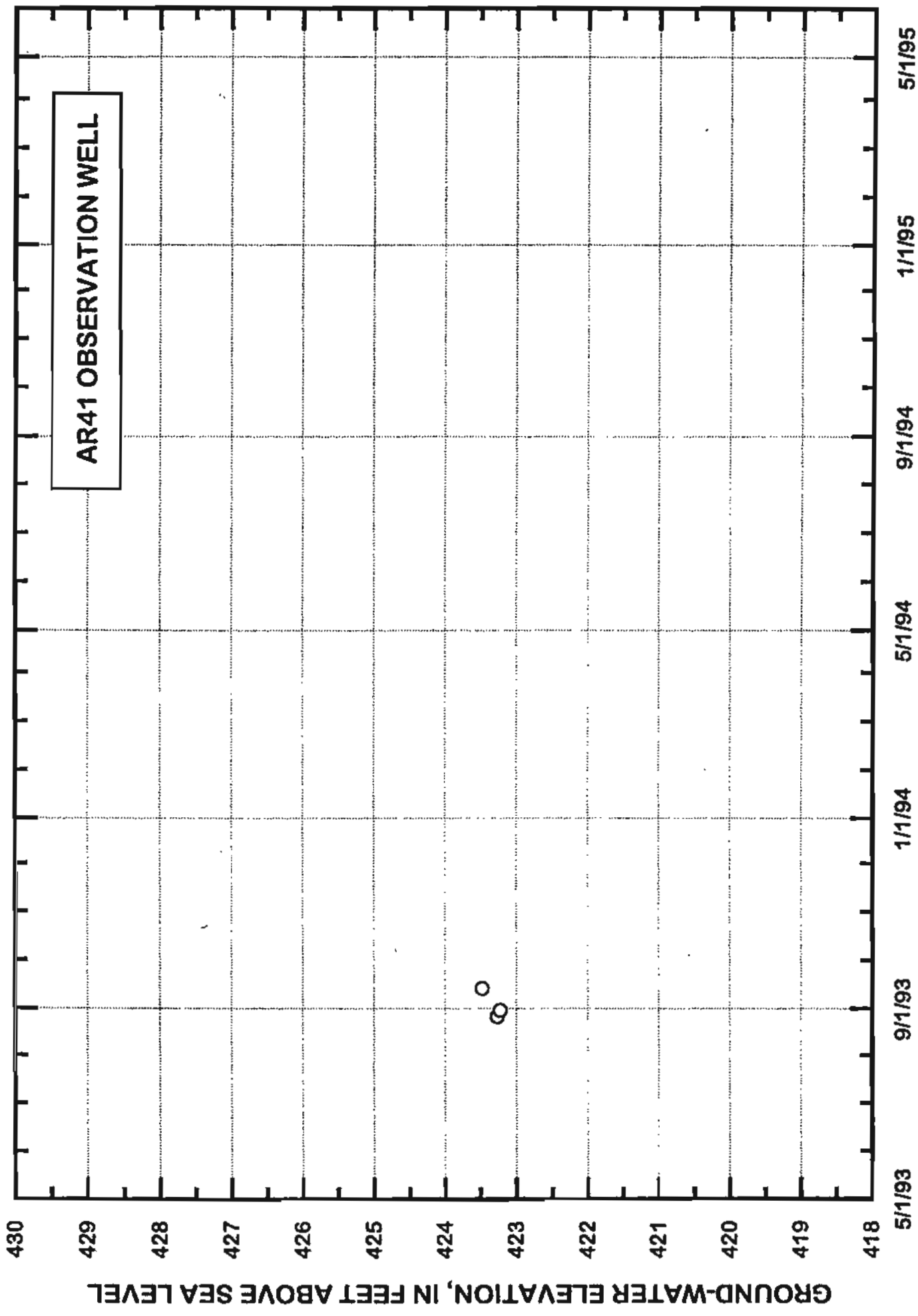
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	22.2	419.2
Depth from TOC to top of SI :	12.8	428.6
Depth from TOC to bottom of SI :	22.2	419.2
Land surface datum:		438.0

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-20-93	441.42

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
08-27-93	0835	E-tape	18.16	0.02	14.74	423.26	PM
08-31-93	1720	E-tape	18.20	0.02	14.78	423.22	PM
09-14-93	1330	Steel tape	17.95	0.01	14.53	423.47	MM


AR41 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR42 GROUND-WATER OBSERVATION WELL

Site ID: 645053147430301
Local Number: FC00100110ABAD2 008

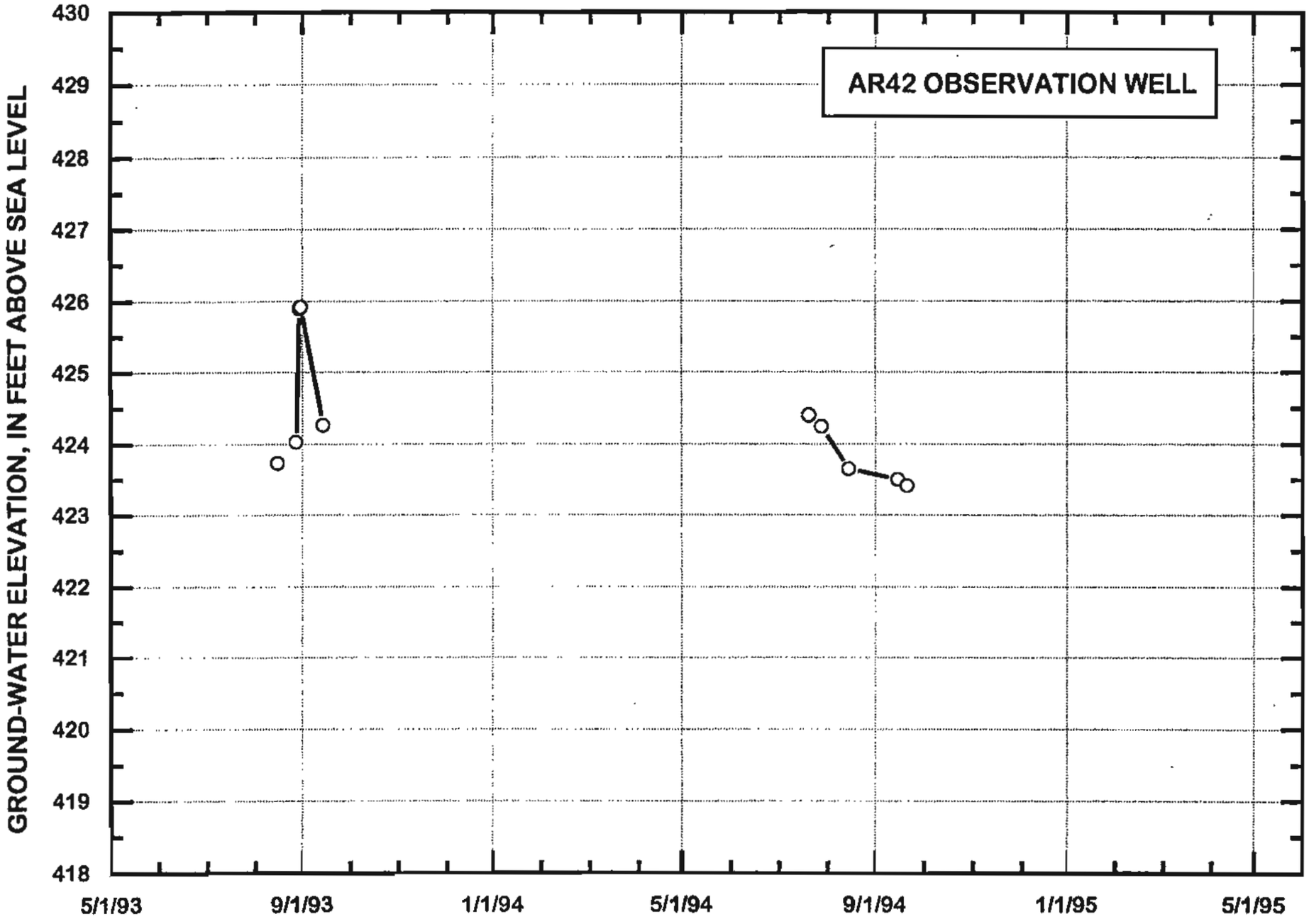
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	25.0	414.9
Depth from TOC to top of SI :	10.0	429.9
Depth from TOC to bottom of SI :	25.0	414.9
Land surface datum:		440.5

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-24-93	439.93

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
08-16-93	1636	Steel tape	16.20	0.01	16.77	423.73	MM
08-28-93	1010	E-tape	15.90	0.02	16.47	424.03	PM
08-30-93	1910	E-tape	14.03	0.02	14.60	425.90	PM
08-31-93	0850	E-tape	14.01	0.02	14.58	425.92	PM
09-14-93	1437	Steel tape	15.66	0.01	16.23	424.27	MM
07-21-94	1715	Steel tape	15.53	0.01	16.10	424.40	PM
07-29-94	1608	Steel tape	15.69	0.01	16.26	424.24	PM
08-15-94	1511	Steel tape	16.28	0.01	16.85	423.65	MM
09-15-94	1440	Steel tape	16.43	0.01	17.00	423.50	MM
09-21-94	1705	Steel tape	16.52	0.01	17.09	423.41	PM


AR42 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR43 GROUND-WATER OBSERVATION WELL

Site ID: 645053147430501
Local Number: FC00100103ABAD1 013

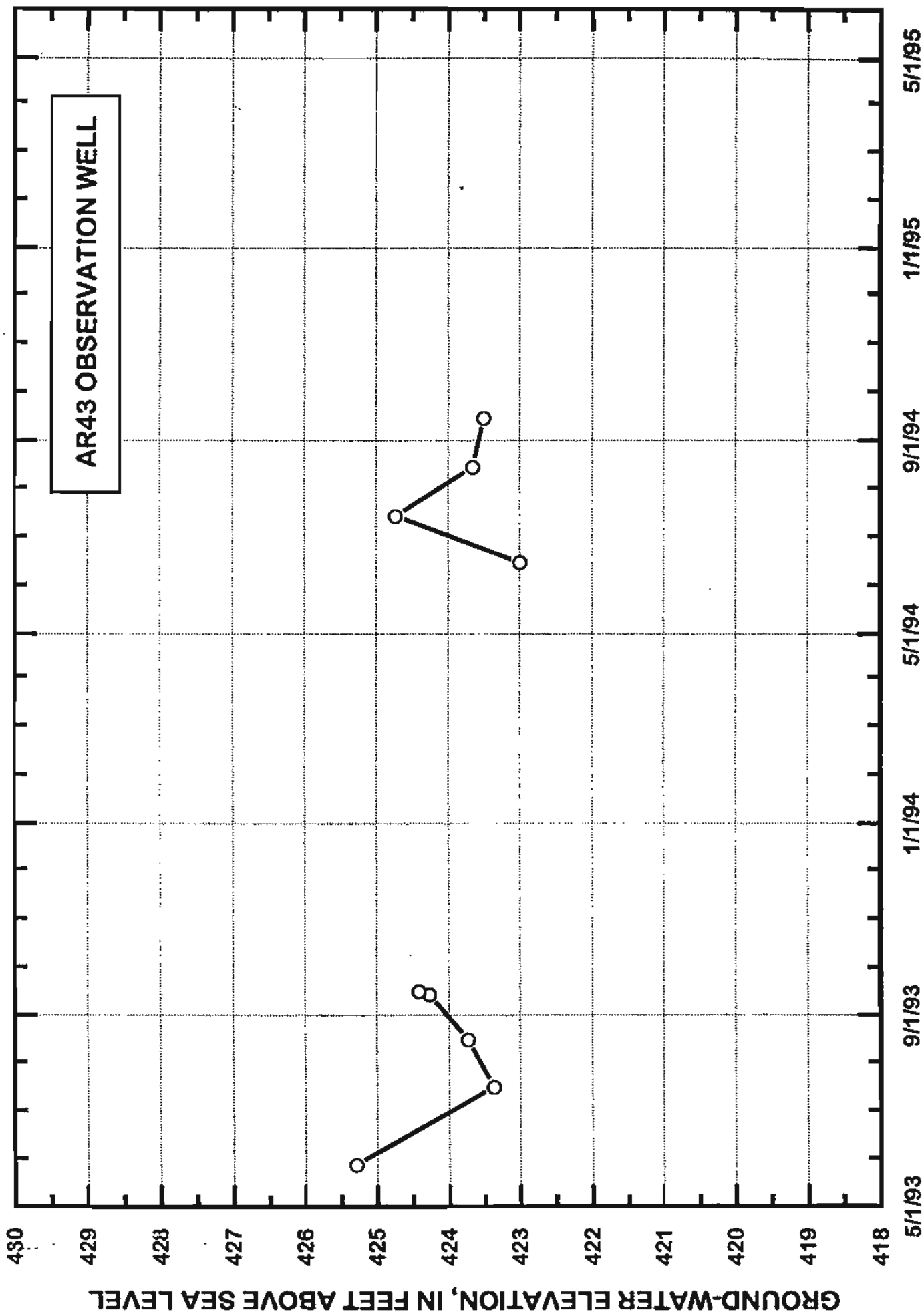
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	25.0	414.9
Depth from TOC to top of SI :	10.0	429.9
Depth from TOC to bottom of SI :	25.0	414.9
Land surface datum:		440.1

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-24-93	439.89

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
05-28-93	1455	E-tape	14.60	0.02	14.81	425.29	PM
07-17-93	1450	Steel tape	16.52	0.01	16.73	423.37	MM
08-16-93	1633	Steel tape	16.16	0.01	16.37	423.73	MM
09-14-93	1508	E-tape	15.62	0.02	15.83	424.27	PM
09-16-93	1505	Steel tape	15.48	0.01	15.69	424.41	MM
06-15-94	1400	Steel tape	16.90	0.01	17.11	422.99	MM
07-15-94	1537	Steel tape	15.16	0.01	15.37	424.73	MM
08-15-94	1518	Steel tape	16.23	0.01	16.44	423.66	MM
09-15-94	1444	Steel tape	16.39	0.01	16.60	423.50	MM


AR43 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR44 GROUND-WATER OBSERVATION WELL

Site ID: 645052147430401
Local Number: FC00100110ABAA2 017

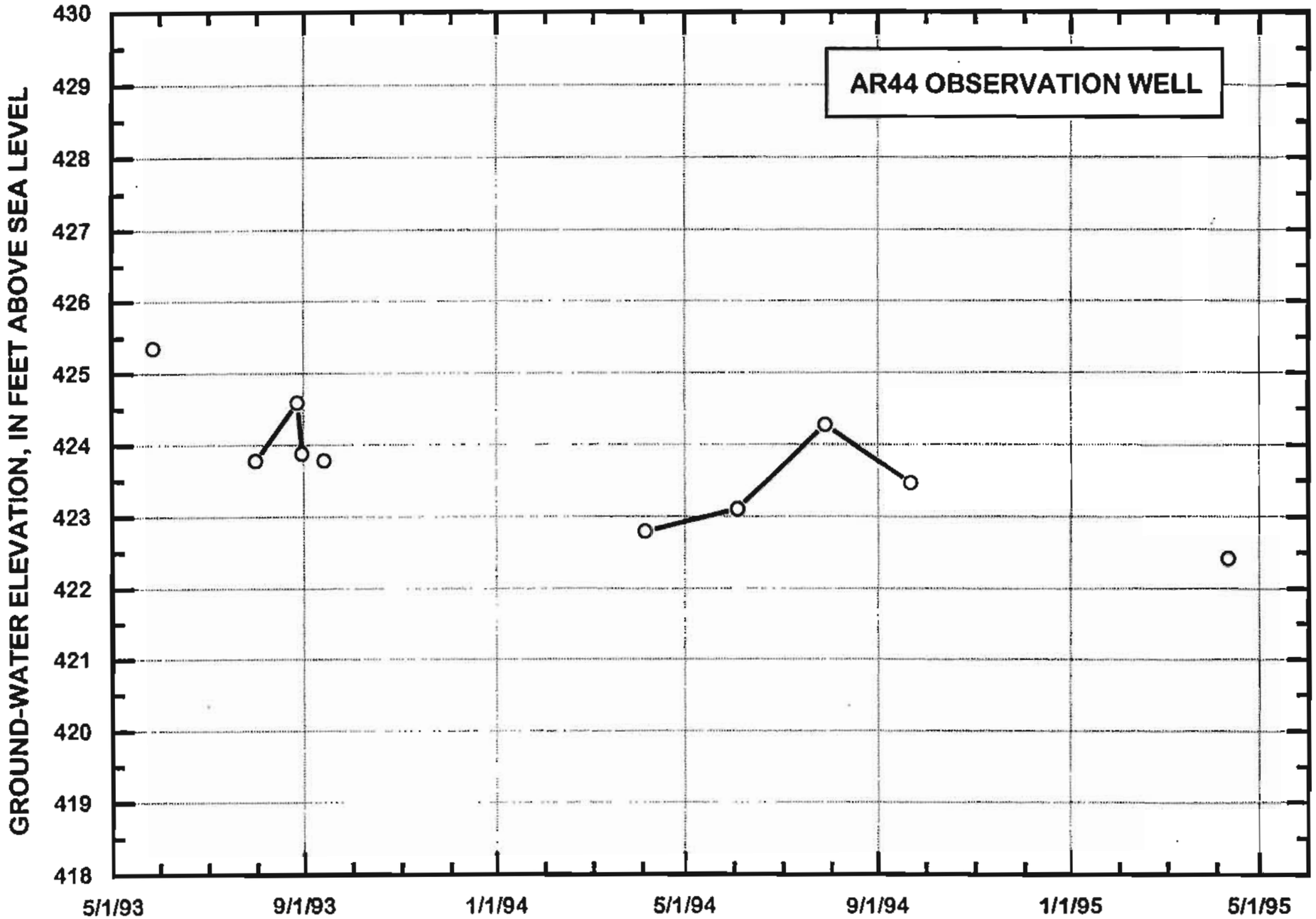
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	25.0	414.7
Depth from TOC to top of SI :	10.0	429.7
Depth from TOC to bottom of SI :	25.0	414.7
Land surface datum:		439.8

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-24-93	439.68

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
05-28-93	1445	E-tape	14.33	0.02	14.45	425.35	PM
08-01-93	1627	Steel tape	15.90	0.01	16.02	423.78	PM
08-28-93	1635	E-tape	15.09	0.02	15.21	424.59	PM
08-31-93	1800	E-tape	15.80	0.02	15.92	423.88	PM
09-14-93	1523	E-tape	15.90	0.02	16.02	423.78	MM
04-06-94	1710	Steel tape	16.89	0.01	17.01	422.79	PM
06-03-94	1230	Steel tape	16.58	0.01	16.70	423.10	PM
07-29-94	1734	Steel tape	15.41	0.01	15.53	424.27	PM
09-22-94	0937	Steel tape	16.22	0.01	16.34	423.46	PM
04-11-95	1557	E-tape	17.27	0.02	17.39	422.41	PM


AR44 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR47 GROUND-WATER OBSERVATION WELL

Site ID: 645107147432301
Local Number: FC00100103DCBC1 016

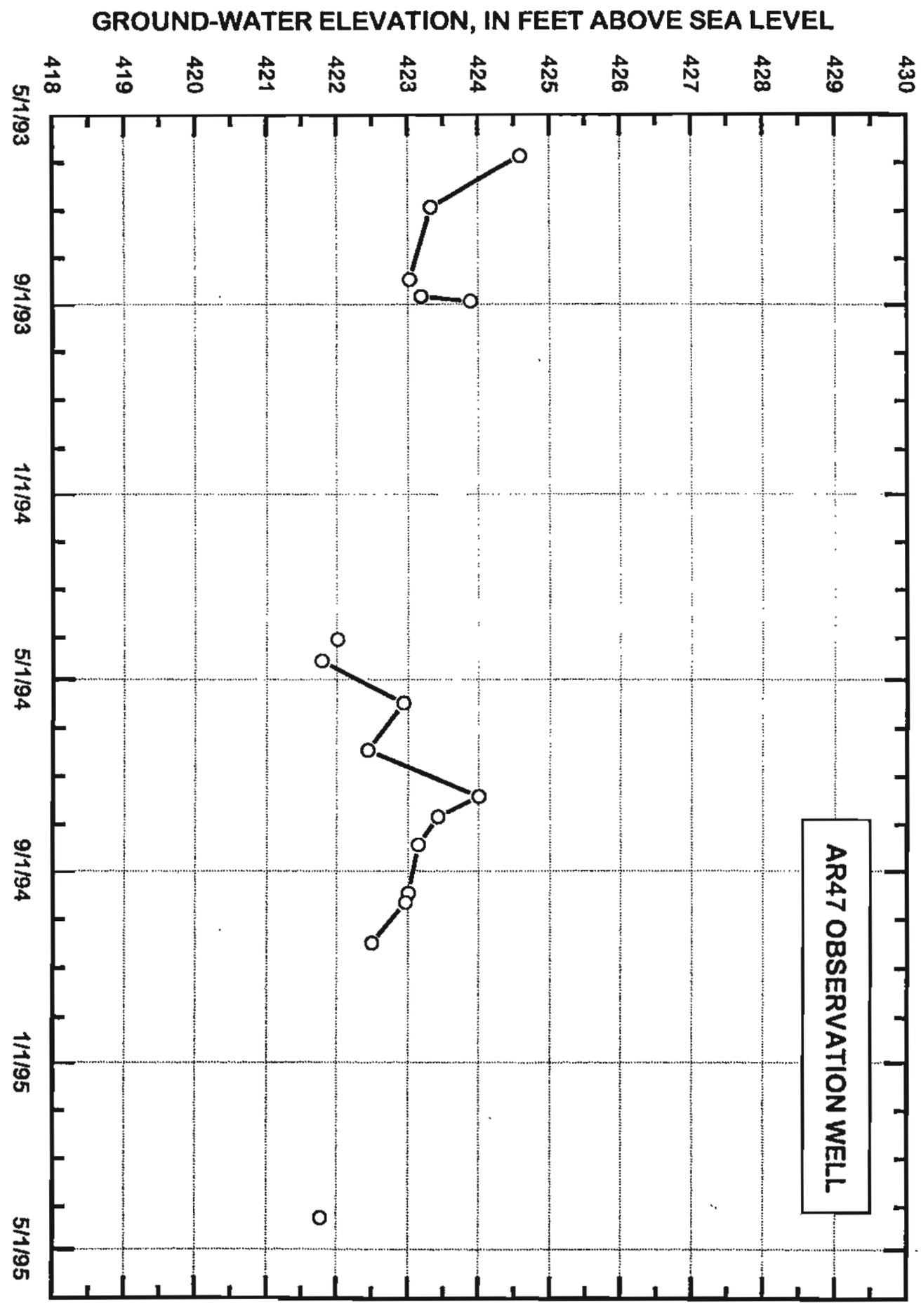
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	22.6	415.4
Depth from TOC to top of SI :	17.5	420.6
Depth from TOC to bottom of SI :	22.6	415.4
Land surface datum:		438.3

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-26-93	438.07
04-19-94	439.81

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
05-28-93	1340	E-tape	13.48	0.02	13.71	424.59	PM
06-30-93	1430	E-tape	14.75	0.02	14.98	423.32	PM
08-16-93	1530	Steel tape	15.05	0.01	15.28	423.02	MM
08-27-93	1120	E-tape	14.89	0.02	15.12	423.18	PM
08-30-93	1815	E-tape	14.18	0.02	14.41	423.89	PM
04-05-94	1452	Steel tape	16.06	0.01	16.29	422.01	PM
04-19-94	1319	Steel tape	18.02	0.01	16.51	421.79	PM
05-16-94	1035	Steel tape	16.88	0.01	15.37	422.93	MM
06-15-94	1227	Steel tape	17.37	0.01	15.86	422.44	MM
07-15-94	1446	Steel tape	15.81	0.01	14.30	424.00	MM
07-28-94	1208	Steel tape	16.39	0.01	14.88	423.42	PM
08-15-94	1144	Steel tape	16.67	0.01	15.16	423.14	MM
09-15-94	1338	Steel tape	16.81	0.01	15.30	423.00	MM
09-21-94	1407	Steel tape	16.85	0.01	15.34	422.96	PM
10-17-94	1529	Steel tape	17.32	0.01	15.81	422.49	MM
04-11-95	1003	E-tape	18.04	0.02	16.53	421.77	MM


GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
418
419
420
421
422
423
424
425
426
427
428
429
430
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95
AR47 OBSERVATION WELL

AR49 GROUND-WATER OBSERVATION WELL

Site ID: 645105147432101
Local Number: FC00100103DCBD3 004

All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	25.4	413.9
Depth from TOC to top of SI :	20.9	418.4
Depth from TOC to bottom of SI :	25.4	413.9
Land surface datum:		437.0

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

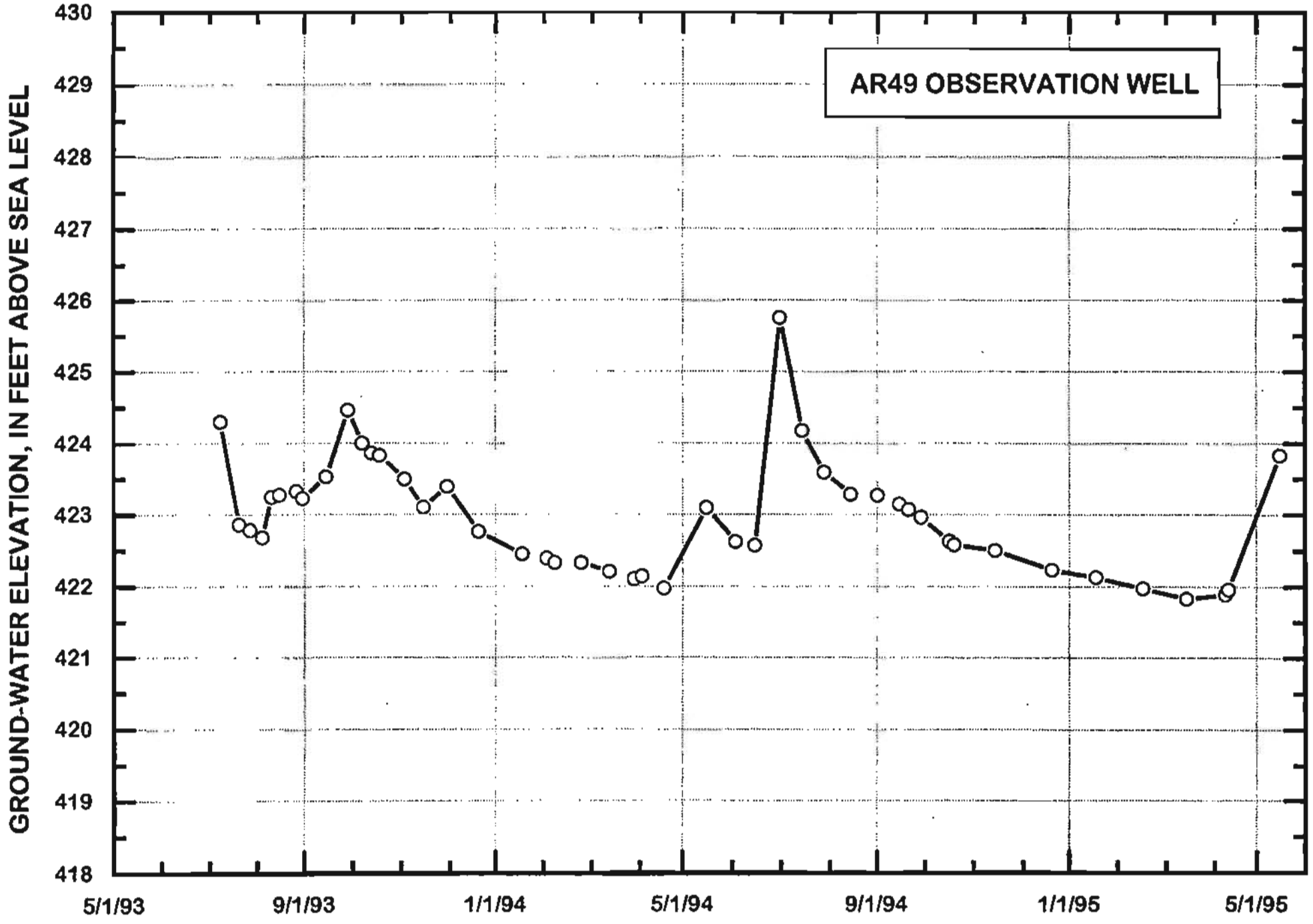
Date	MP Elevation (feet above sea level)
05-21-93	439.31

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
07-09-93	0954	Steel tape	15.01	0.01	12.70	424.30	PM
07-21-93	1503	Steel tape	16.45	0.01	14.14	422.86	PM
07-28-93	1632	Steel tape	16.53	0.01	14.22	422.78	PM
08-05-93	1652	Steel tape	16.63	0.01	14.32	422.68	PM
08-11-93	1505	Steel tape	16.07	0.01	13.76	423.24	PM
08-16-93	1512	Steel tape	16.04	0.01	13.73	423.27	MM
08-27-93	1232	E-tape	15.99	0.02	13.68	423.32	PM
08-31-93	1410	E-tape	16.09	0.02	13.78	423.22	PM
09-15-93	1515	E-tape	15.78	0.02	13.47	423.53	MM
09-29-93	1555	E-tape	14.85	0.02	12.54	424.46	PM
10-08-93	1505	E-tape	15.31	0.02	13.00	424.00	PM
10-14-93	1335	E-tape	15.45	0.02	13.14	423.86	PM
10-19-93	1555	Steel tape	15.48	0.01	13.17	423.83	MM
11-04-93	1414	E-tape	15.82	0.02	13.51	423.49	PM
11-16-93	1430	E-tape	16.21	0.02	13.90	423.10	MM
12-01-93	1609	E-tape	15.92	0.02	13.61	423.39	PM
12-21-93	1235	Steel tape	16.55	0.01	14.24	422.76	MM
01-18-94	1209	Steel tape	16.86	0.01	14.55	422.45	MM

AR49 GROUND-WATER OBSERVATION WELL (Continued)

Site ID: 645105147432101
Local Number: FC00100103DCBD3 004

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
02-03-94	1000	Steel tape	16.92	0.01	14.61	422.39	PM
02-08-94	1054	Steel tape	16.98	0.01	14.67	422.33	PM
02-25-94	1255	Steel tape	16.98	0.01	14.67	422.33	MM
03-15-94	1116	Steel tape	17.11	0.01	14.80	422.20	MM
03-31-94	1032	Steel tape	17.21	0.01	14.90	422.10	PM
04-05-94	1415	Steel tape	17.17	0.01	14.86	422.14	PM
04-19-94	1319	E-tape	17.34	0.03	15.03	421.97	MM
05-16-94	1039	Steel tape	16.22	0.01	13.91	423.09	MM
06-03-94	1140	Steel tape	16.69	0.01	14.38	422.62	PM
06-15-94	1219	Steel tape	16.74	0.01	14.43	422.57	MM
07-01-94	1436	Steel tape	13.56	0.01	11.25	425.75	PM
07-15-94	1441	Steel tape	15.14	0.01	12.83	424.17	MM
07-29-94	1303	Steel tape	15.72	0.01	13.41	423.59	PM
08-15-94	1149	Steel tape	16.03	0.01	13.72	423.28	MM
09-01-94	1619	Steel tape	16.05	0.01	13.74	423.26	PM
09-15-94	1334	Steel tape	16.17	0.01	13.86	423.14	MM
09-21-94	1349	Steel tape	16.24	0.01	13.93	423.07	PM
09-29-94	1304	Steel tape	16.35	0.01	14.04	422.96	PM
10-17-94	1535	Steel tape	16.68	0.01	14.37	422.63	MM
10-20-94	1228	Steel tape	16.73	0.01	14.42	422.58	PM
11-15-94	1326	Steel tape	16.81	0.01	14.50	422.50	MM
12-21-94	1045	Steel tape	17.08	0.01	14.77	422.23	MM
01-18-95	1253	E-tape	17.18	0.02	14.87	422.13	MM
02-17-95	0934	Steel tape	17.34	0.01	15.03	421.97	MM
03-17-95	1048	E-tape	17.48	0.02	15.17	421.83	MM
04-11-95	0945	E-tape	17.42	0.02	15.11	421.89	PM
04-13-95	1358	E-tape	17.35	0.02	15.04	421.96	MM
05-16-95	1111	E-tape	15.48	0.02	13.17	423.83	MM


AR49 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR51 GROUND-WATER OBSERVATION WELL

Site ID: 645107147431801
Local Number: FC00100103DCBA1 018

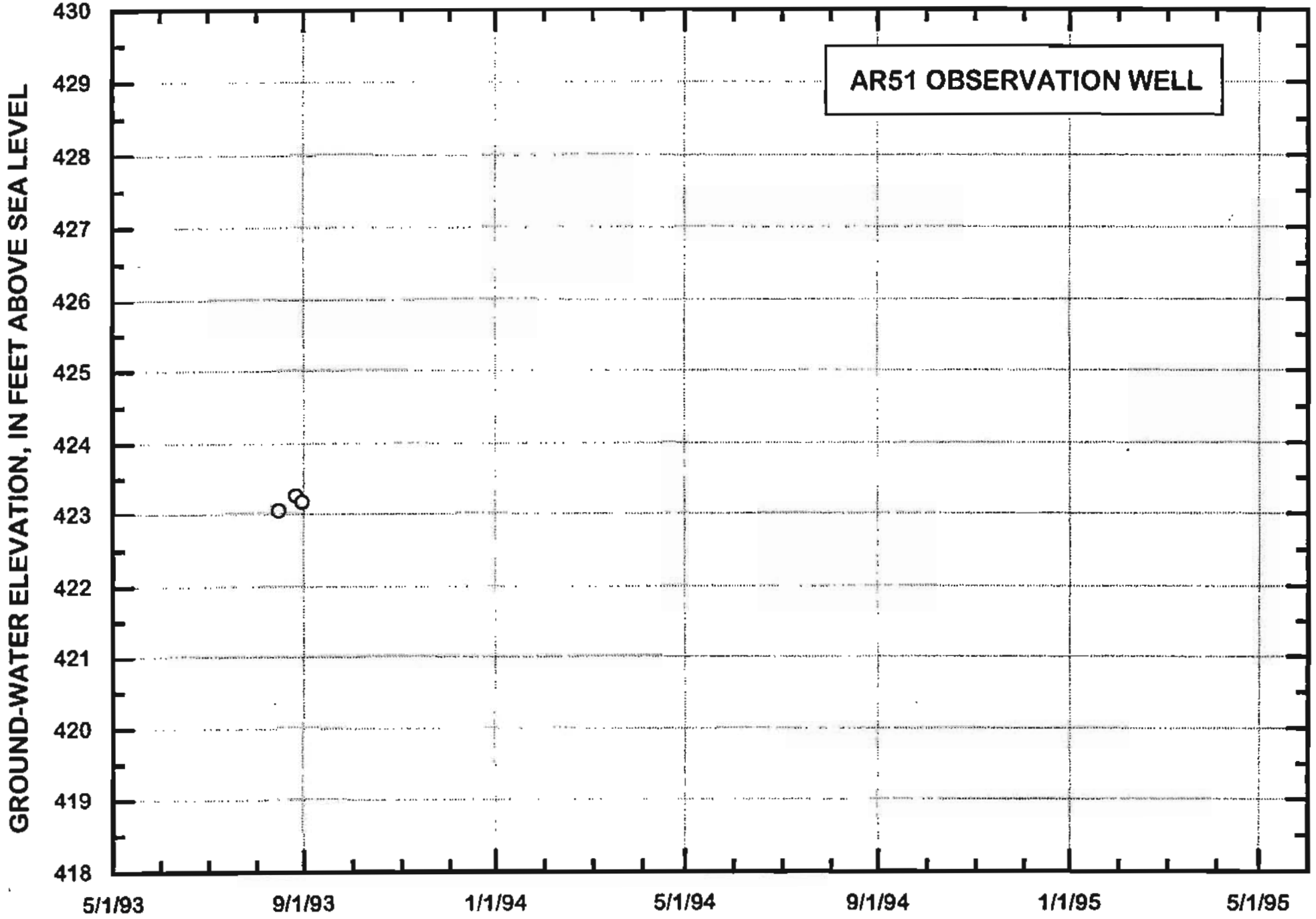
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	22.0	414.9
Depth from TOC to top of SI :	17.5	419.4
Depth from TOC to bottom of SI :	22.0	414.9
Land surface datum:		437.4

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-21-94	436.86

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
08-16-93	1524	Steel tape	13.81	0.01	14.35	423.05	MM
08-27-93	1206	E-tape	13.60	0.02	14.14	423.26	PM
08-31-93	1450	E-tape	13.69	0.02	14.23	423.17	PM


AR51 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR52 GROUND-WATER OBSERVATION WELL

Site ID: 645112147432601
Local Number: FC00100103DBCC1 022

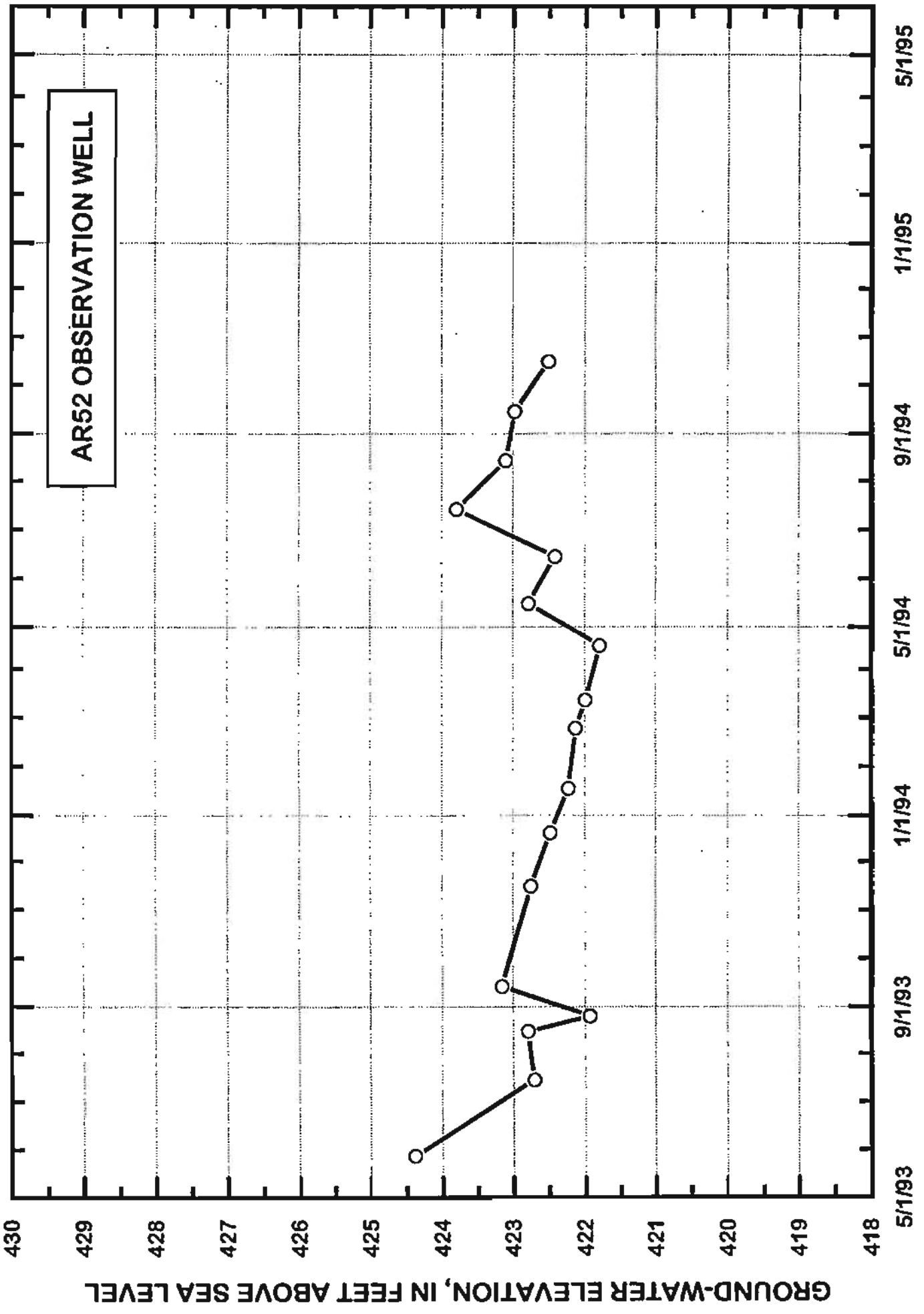
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	22.1	416.4
Depth from TOC to top of SI :	12.6	425.9
Depth from TOC to bottom of SI :	22.1	416.4
Land surface datum:		435.9

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-20-93	438.53

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
05-28-93	1428	E-tape	14.15	0.02	11.52	424.38	PM
07-16-93	1450	Steel tape	15.82	0.01	13.19	422.71	MM
08-16-93	1415	Steel tape	15.74	0.01	13.11	422.79	MM
08-26-93	1055	E-tape	16.60	0.02	13.97	421.93	PM
09-14-93	1301	Steel tape	15.37	0.01	12.74	423.16	MM
11-17-93	1450	E-tape	15.78	0.02	13.15	422.75	MM
12-21-93	1520	Steel tape	16.05	0.01	13.42	422.48	MM
01-18-94	1249	Steel tape	16.30	0.01	13.67	422.23	MM
02-25-94	1551	Steel tape	16.40	0.01	13.77	422.13	MM
03-15-94	1421	Steel tape	16.54	0.01	13.91	421.99	MM
04-19-94	1556	E-tape	16.74	0.03	14.11	421.79	MM
05-16-94	1147	Steel tape	15.75	0.01	13.12	422.78	MM
06-15-94	1542	Steel tape	16.12	0.01	13.49	422.41	MM
07-15-94	1400	Steel tape	14.74	0.01	12.11	423.79	MM
08-15-94	1450	Steel tape	15.43	0.01	12.80	423.10	MM
09-15-94	1255	Steel tape	15.56	0.01	12.93	422.97	MM
10-17-94	1458	Steel tape	16.03	0.01	13.40	422.50	MM


AR52 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR53 GROUND-WATER OBSERVATION WELL

Site ID: 645111147431401
Local Number: FC00100103DBDC1 025

All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	21.5	418.9
Depth from TOC to top of SI :	12.5	427.9
Depth from TOC to bottom of SI :	21.5	418.9
Land surface datum:		437.4

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

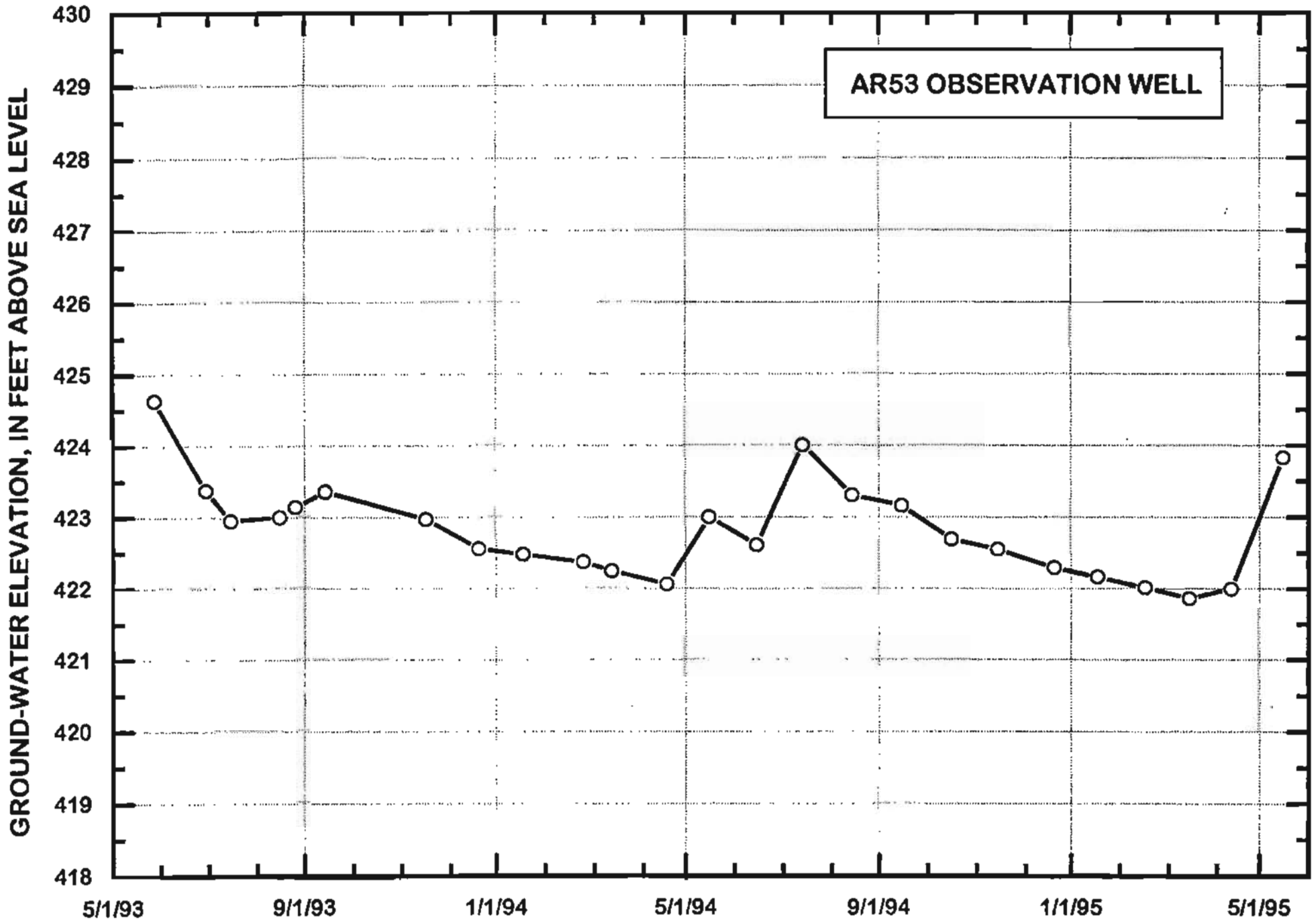
Date	MP Elevation (feet above sea level)
05-20-93	440.42

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
05-28-93	1330	E-tape	15.79	0.02	12.77	424.63	PM
06-30-93	1410	E-tape	17.05	0.02	14.03	423.37	PM
07-16-93	1456	Steel tape	17.47	0.01	14.45	422.95	MM
08-16-93	1505	Steel tape	17.42	0.01	14.40	423.00	MM
08-26-93	1116	E-tape	17.28	0.02	14.26	423.14	PM
09-14-93	1300	E-tape	17.07	0.02	14.05	423.35	MM
11-17-93	1535	E-tape	17.45	0.02	14.43	422.97	MM
12-21-93	1525	Steel tape	17.86	0.01	14.84	422.56	MM
01-18-94	1254	Steel tape	17.94	0.01	14.92	422.48	MM
02-25-94	1556	Steel tape	18.05	0.01	15.03	422.37	MM
03-15-94	1426	Steel tape	18.17	0.01	15.15	422.25	MM
04-19-94	1600	E-tape	18.36	0.03	15.34	422.06	MM
05-16-94	1144	Steel tape	17.42	0.01	14.40	423.00	MM
06-15-94	1546	Steel tape	17.81	0.01	14.79	422.61	MM
07-15-94	1355	Steel tape	16.41	0.01	13.39	424.01	MM
08-15-94	1445	Steel tape	17.12	0.01	14.10	423.30	MM
09-15-94	1251	Steel tape	17.26	0.01	14.24	423.16	MM
10-17-94	1453	Steel tape	17.73	0.01	14.71	422.69	MM

AR53 GROUND-WATER OBSERVATION WELL (Continued)

Site ID: 645111147431401
Local Number: FC00100103DBDC1 025

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
11-15-94	1316	Steel tape	17.87	0.01	14.85	422.55	MM
12-21-94	1030	Steel tape	18.13	0.01	15.11	422.29	MM
01-18-95	1428	E-tape	18.26	0.02	15.24	422.16	MM
02-17-95	0929	Steel tape	18.41	0.01	15.39	422.01	MM
03-17-95	1105	E-tape	18.56	0.02	15.54	421.86	MM
04-13-95	1350	E-tape	18.43	0.02	15.41	421.99	MM
05-16-95	1147	E-tape	16.59	0.02	13.57	423.83	MM


AR53 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR54 GROUND-WATER OBSERVATION WELL

Site ID: 645114147432601
Local Number: FC00100103DBDB1 024

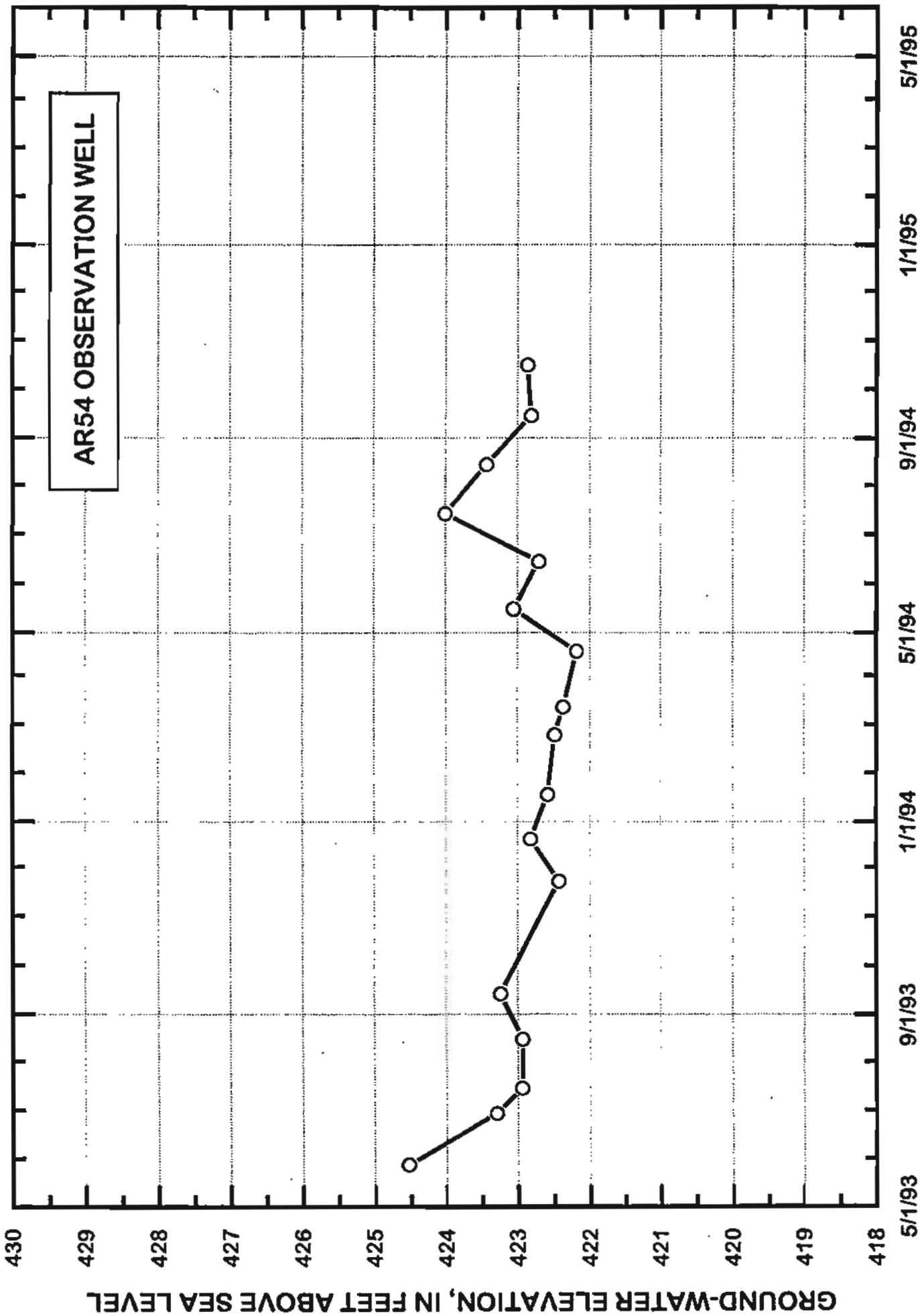
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	22.1	417.5
Depth from TOC to top of SI :	12.1	427.5
Depth from TOC to bottom of SI :	22.1	417.5
Land surface datum:		436.9

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-20-93	439.59

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
05-28-93	1220	E-tape	15.06	0.02	12.37	424.53	PM
06-30-93	1350	E-tape	16.30	0.02	13.61	423.29	PM
07-16-93	1443	Steel tape	16.65	0.01	13.96	422.94	MM
08-16-93	1410	Steel tape	16.66	0.01	13.97	422.93	MM
09-14-93	1251	Steel tape	16.35	0.01	13.66	423.24	MM
11-24-93	1525	E-tape	17.16	0.02	14.47	422.43	PM
12-21-93	1517	Steel tape	16.77	0.01	14.08	422.82	MM
01-18-94	1242	Steel tape	17.00	0.01	14.31	422.59	MM
02-25-94	1545	Steel tape	17.10	0.01	14.41	422.49	MM
03-15-94	1416	Steel tape	17.22	0.01	14.53	422.37	MM
04-19-94	1550	E-tape	17.40	0.03	14.71	422.19	MM
05-16-94	1152	Steel tape	16.54	0.01	13.85	423.05	MM
06-15-94	1539	Steel tape	16.88	0.01	14.19	422.71	MM
07-15-94	1354	Steel tape	15.58	0.01	12.89	424.01	MM
08-15-94	1454	Steel tape	16.16	0.01	13.47	423.43	MM
09-15-94	1259	Steel tape	16.78	0.01	14.09	422.81	MM
10-17-94	1501	Steel tape	16.73	0.01	14.04	422.86	MM


AR54 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR55 GROUND-WATER OBSERVATION WELL

Site ID: 645112147430901
Local Number: FC00100103DBDD1 021

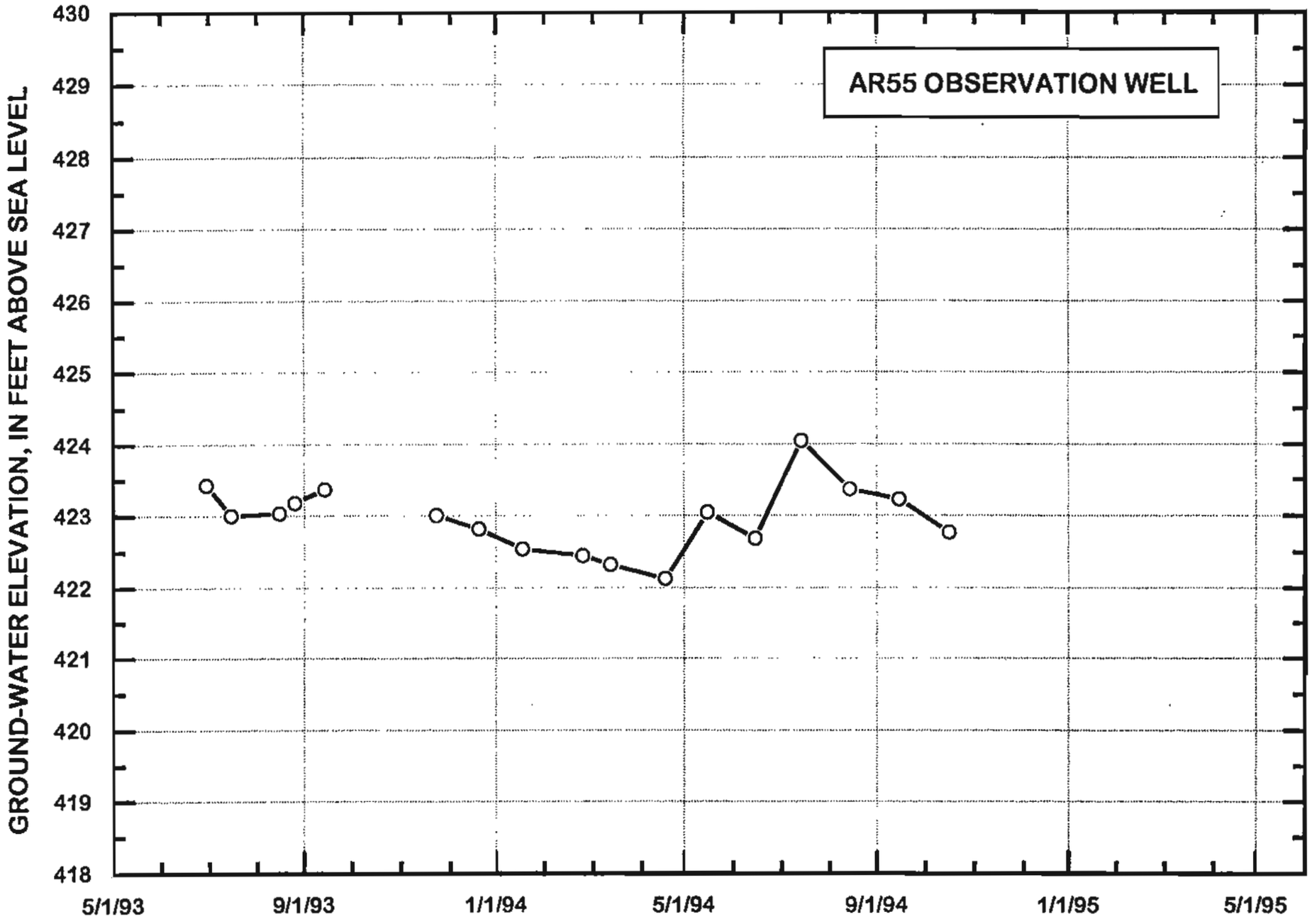
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	19.0	420.2
Depth from TOC to top of SI :	9.0	430.2
Depth from TOC to bottom of SI :	19.0	420.2
Land surface datum:		436.5

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-20-93	439.16

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
06-30-93	1400	E-tape	15.74	0.02	13.08	423.42	PM
07-16-93	1448	Steel tape	16.16	0.01	13.50	423.00	MM
08-16-93	1412	Steel tape	16.13	0.01	13.47	423.03	MM
08-26-93	1201	E-tape	15.99	0.02	13.33	423.17	PM
09-14-93	1250	E-tape	15.80	0.02	13.14	423.36	MM
11-24-93	1533	E-tape	16.16	0.02	13.50	423.00	PM
12-21-93	1528	Steel tape	16.35	0.01	13.69	422.81	MM
01-18-94	1300	Steel tape	16.62	0.01	13.96	422.54	MM
02-25-94	1601	Steel tape	16.71	0.01	14.05	422.45	MM
03-15-94	1432	Steel tape	16.84	0.01	14.18	422.32	MM
04-19-94	1605	E-tape	17.03	0.03	14.37	422.13	MM
05-16-94	1135	Steel tape	16.12	0.01	13.46	423.04	MM
06-15-94	1549	Steel tape	16.48	0.01	13.82	422.68	MM
07-15-94	1350	Steel tape	15.11	0.01	12.45	424.05	MM
08-15-94	1440	Steel tape	15.80	0.01	13.14	423.36	MM
09-15-94	1247	Steel tape	15.94	0.01	13.28	423.22	MM
10-17-94	1449	E-tape	16.39	0.02	13.73	422.77	MM


AR55 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR56 GROUND-WATER OBSERVATION WELL

Site ID: 645108147430001
Local Number: FC00100103DDBB1 027

All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	22.7	418.4
Depth from TOC to top of SI :	21.7	419.4
Depth from TOC to bottom of SI :	22.7	418.4
Land surface datum:		438.2

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

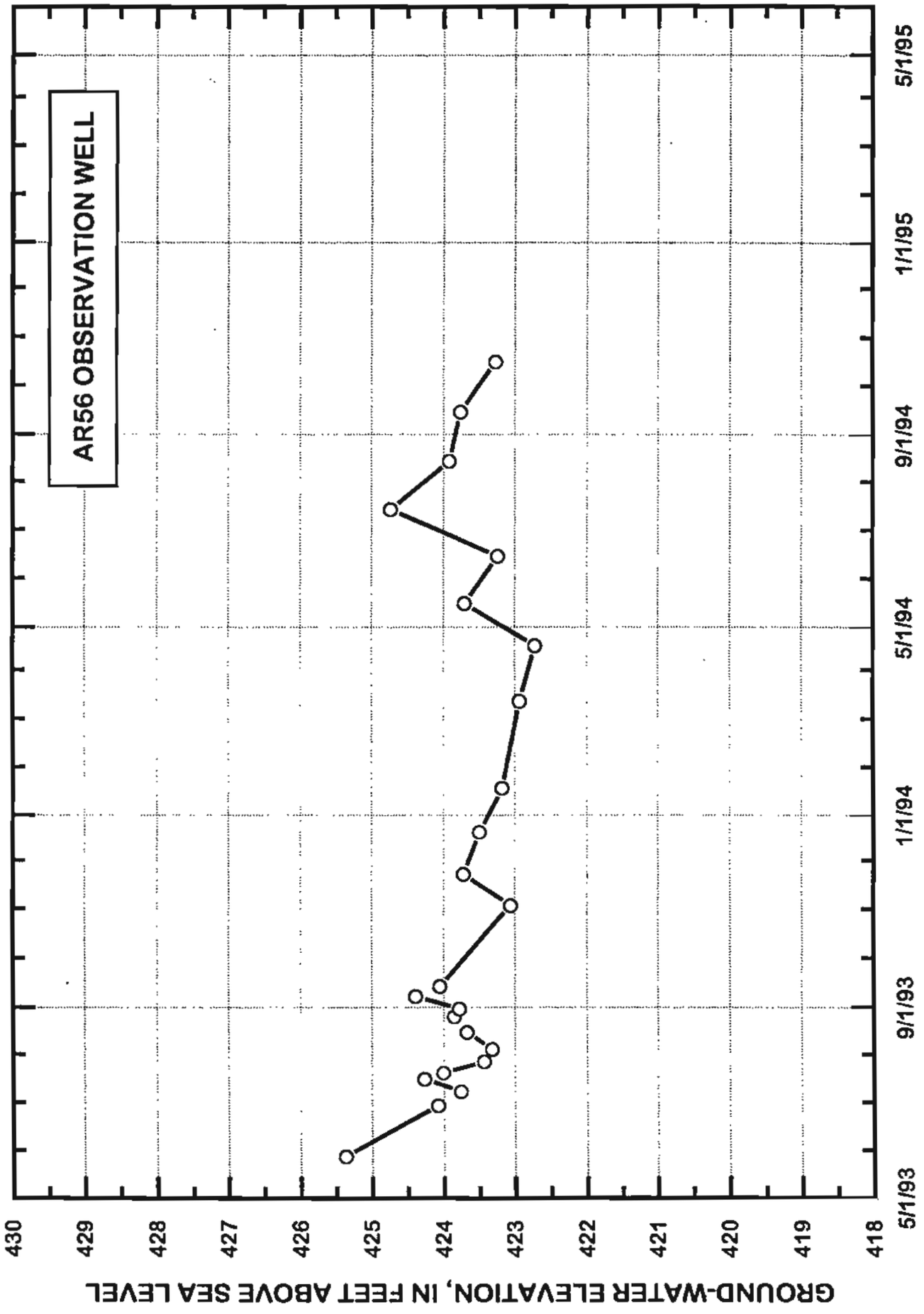
Date	MP Elevation (feet above sea level)
05-19-93	441.08

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
05-28-93	1310	E-tape	15.71	0.02	12.82	425.37	PM
06-30-93	1417	E-tape	17.00	0.02	14.11	424.08	PM
07-09-93	0934	Steel tape	17.32	0.01	14.43	423.76	PM
07-17-93	1444	Steel tape	16.81	0.01	13.92	424.27	MM
07-21-93	1458	Steel tape	17.07	0.01	14.18	424.01	PM
07-28-93	1637	Steel tape	17.65	0.01	14.76	423.43	PM
08-05-93	1659	Steel tape	17.76	0.01	14.87	423.32	PM
08-16-93	1420	Steel tape	17.41	0.01	14.52	423.67	MM
08-26-93	1651	E-tape	17.23	0.02	14.34	423.85	PM
08-31-93	1310	E-tape	17.30	0.02	14.41	423.78	PM
09-08-93	1408	Steel tape	16.69	0.01	13.80	424.39	PM
09-14-93	1315	E-tape	17.03	0.02	14.14	424.05	MM
11-04-93	1408	E-tape	18.02	0.02	15.13	423.06	PM
11-24-93	1538	E-tape	17.36	0.02	14.47	423.72	PM
12-21-93	1533	Steel tape	17.59	0.01	14.70	423.49	MM
01-18-94	1226	Steel tape	17.91	0.01	15.02	423.17	MM
03-15-94	1400	Steel tape	18.15	0.01	15.26	422.93	MM
04-19-94	1518	E-tape	18.36	0.03	15.47	422.72	MM

AR56 GROUND-WATER OBSERVATION WELL (Continued)

Site ID: 645108147430001
Local Number: FC00100103DDBB1 027

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
05-16-94	1130	Steel tape	17.38	0.01	14.49	423.70	MM
06-15-94	1553	Steel tape	17.84	0.01	14.95	423.24	MM
06-15-94	1246	Steel tape	17.84	0.01	14.95	423.24	MM
07-15-94	1402	Steel tape	16.35	0.01	13.46	424.73	MM
08-15-94	1428	Steel tape	17.16	0.01	14.27	423.92	MM
09-15-94	1316	Steel tape	17.32	0.01	14.43	423.76	MM
10-17-94	1517	Steel tape	17.81	0.01	14.92	423.27	MM


AR56 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR57 GROUND-WATER OBSERVATION WELL

Site ID: 645110147425701
Local Number: FC00100103DACC1 028

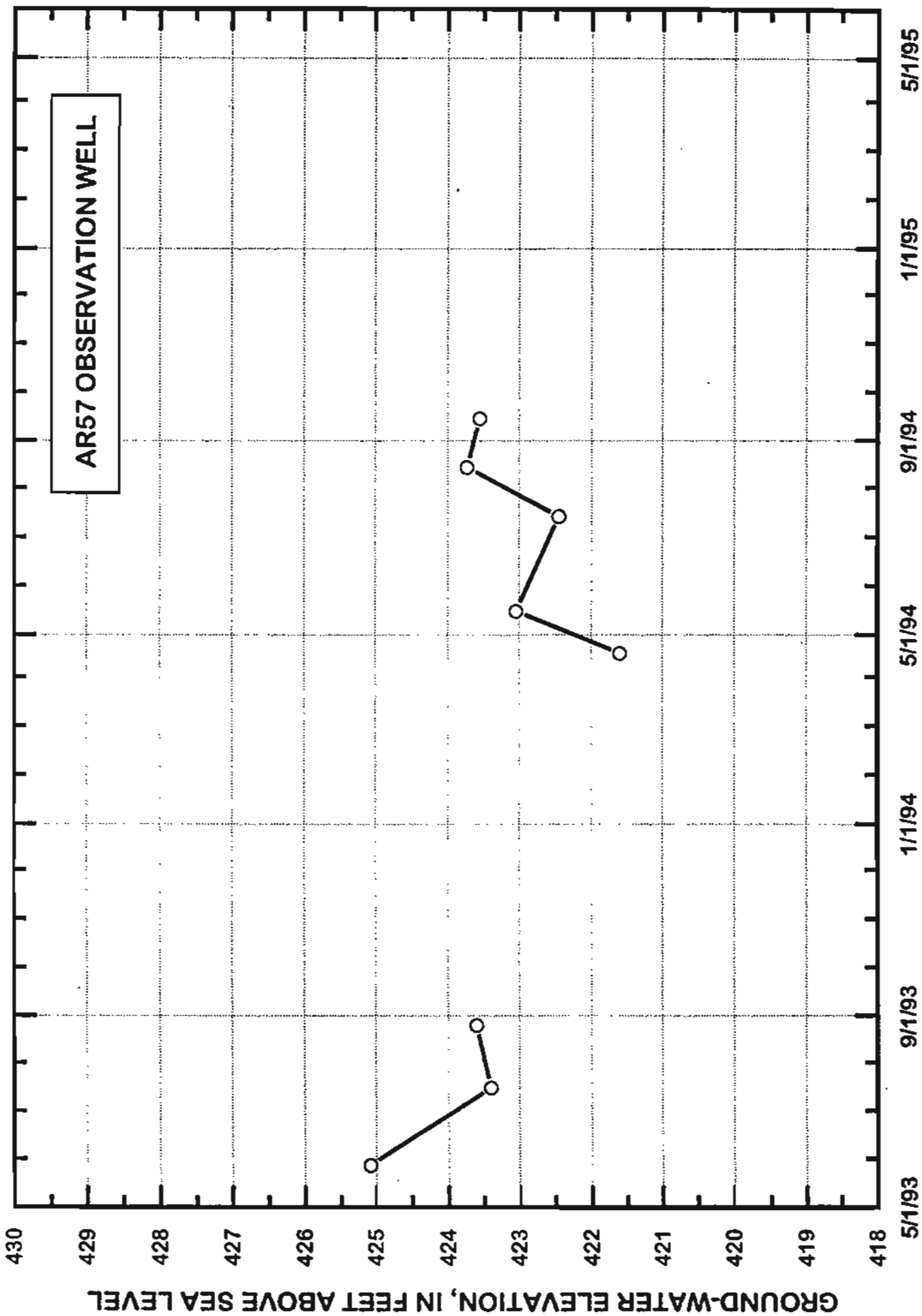
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	21.5	418.1
Depth from TOC to top of SI :	12.0	427.6
Depth from TOC to bottom of SI :	21.5	418.1
Land surface datum:		439.9

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-19-95	439.59

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
05-28-93	1258	E-tape	14.51	0.02	14.82	425.08	PM
07-17-93	1437	Steel tape	16.19	0.01	16.50	423.40	MM
08-26-93	1711	E-tape	15.99	0.02	16.30	423.60	PM
04-19-94	1523	E-tape	17.99	0.03	18.30	421.60	MM
05-16-94	1252	Steel tape	16.55	0.01	16.86	423.04	MM
07-15-94	1405	Steel tape	17.14	0.01	17.45	422.45	MM
08-15-94	1434	Steel tape	15.86	0.01	16.17	423.73	MM
09-15-94	1311	Steel tape	16.04	0.01	16.35	423.55	MM


AR57 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR58 GROUND-WATER OBSERVATION WELL

Site ID: 645115147425401
Local Number: FC00100103DACB1 023

All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	19.7	420.7
Depth from TOC to top of SI :	9.7	430.6
Depth from TOC to bottom of SI :	19.7	420.6
Land surface datum:		437.5

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

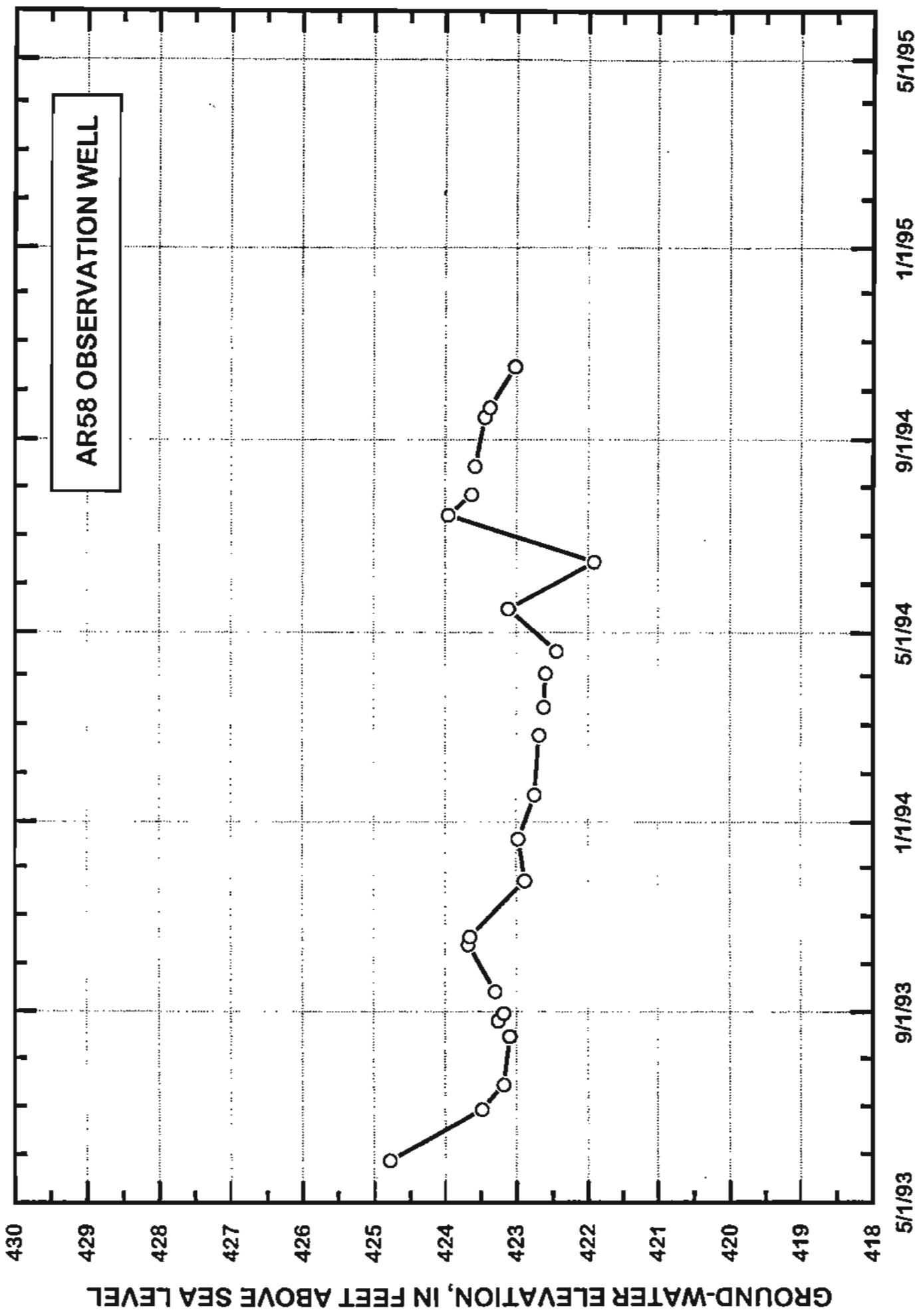
Date	MP Elevation (feet above sea level)
05-28-93	440.31

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
05-28-93	1245	E-tape	15.53	0.02	12.72	424.78	PM
06-30-93	1330	E-tape	16.83	0.02	14.02	423.48	PM
07-16-93	1435	Steel tape	17.14	0.01	14.33	423.17	MM
08-16-93	1358	Steel tape	17.22	0.01	14.41	423.09	MM
08-26-93	1231	E-tape	17.06	0.02	14.25	423.25	PM
08-31-93	0810	E-tape	17.14	0.02	14.33	423.17	PM
09-14-93	1307	E-tape	17.02	0.02	14.21	423.29	MM
10-14-93	1343	E-tape	16.64	0.02	13.83	423.67	PM
10-19-93	1550	Steel tape	16.66	0.01	13.85	423.65	MM
11-24-93	1505	E-tape	17.43	0.02	14.62	422.88	PM
12-21-93	1512	Steel tape	17.34	0.01	14.53	422.97	MM
01-18-94	1230	Steel tape	17.56	0.01	14.75	422.75	MM
02-25-94	1532	Steel tape	17.62	0.01	14.81	422.69	MM
03-15-94	1407	Steel tape	17.69	0.01	14.88	422.62	MM
04-05-94	1537	Steel tape	17.71	0.01	14.90	422.60	PM
04-19-94	1530	E-tape	17.86	0.03	15.05	422.45	MM
05-16-94	1202	Steel tape	17.20	0.01	14.39	423.11	MM
06-15-94	1532	Steel tape	18.40	0.01	15.59	421.91	MM

AR58 GROUND-WATER OBSERVATION WELL (Continued)

Site ID: 645115147425401
Local Number: FC00100103DACB1 023

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
07-15-94	1345	Steel tape	16.35	0.01	13.54	423.96	MM
07-28-94	1107	Steel tape	16.68	0.01	13.87	423.63	PM
08-15-94	1504	Steel tape	16.73	0.01	13.92	423.58	MM
09-15-94	1307	Steel tape	16.87	0.01	14.06	423.44	MM
09-21-94	1243	Steel tape	16.94	0.01	14.13	423.37	PM
10-17-94	1508	Steel tape	17.29	0.01	14.48	423.02	MM


AR58 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR59 GROUND-WATER OBSERVATION WELL

Site ID: 645117147430501
Local Number: FC00100103DBAD1 029

All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	26.3	413.8
Depth from TOC to top of SI :	NA	NA
Depth from TOC to bottom of SI :	26.3	413.8
Land surface datum:		437.6

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

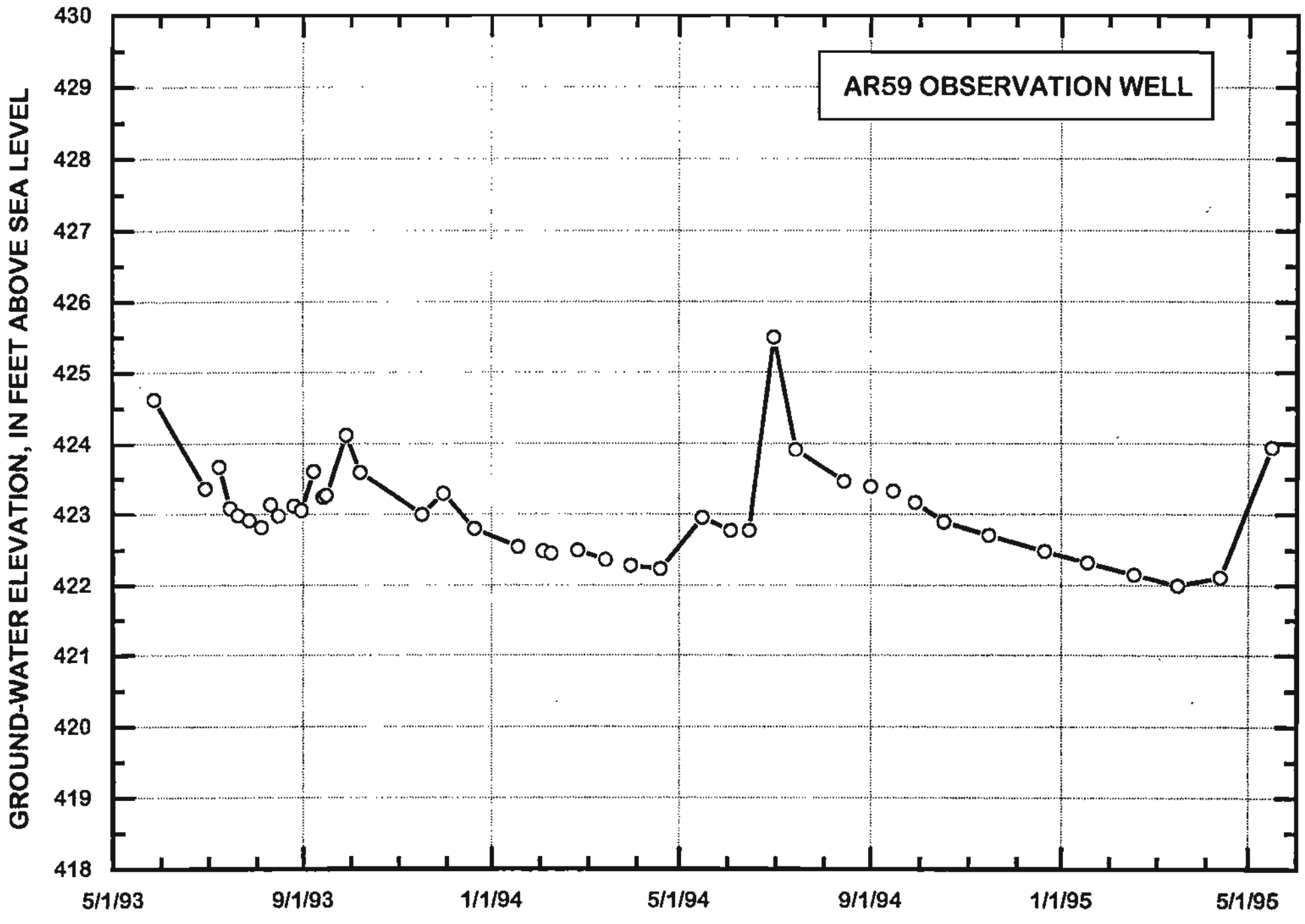
Date	MP Elevation (feet above sea level)
05-20-93	440.10

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
05-28-93	1228	E-tape	15.48	0.02	12.98	424.62	PM
06-30-93	1342	E-tape	16.74	0.02	14.24	423.36	PM
07-09-93	0924	Steel tape	16.43	0.01	13.93	423.67	PM
07-16-93	1439	Steel tape	17.02	0.01	14.52	423.08	MM
07-21-93	1453	Steel tape	17.12	0.01	14.62	422.98	PM
07-28-93	1615	Steel tape	17.19	0.01	14.69	422.91	PM
08-05-93	1636	Steel tape	17.29	0.01	14.79	422.81	PM
08-11-93	1453	Steel tape	16.97	0.01	14.47	423.13	PM
08-16-93	1400	Steel tape	17.13	0.01	14.63	422.97	MM
08-26-93	1253	E-tape	16.99	0.02	14.49	423.11	PM
08-31-93	1210	E-tape	17.05	0.02	14.55	423.05	PM
09-08-93	1400	Steel tape	16.50	0.01	14.00	423.60	PM
09-14-93	1309	Steel tape	16.87	0.01	14.37	423.23	MM
09-16-93	1620	Steel tape	16.84	0.01	14.34	423.26	PM
09-29-93	1537	E-tape	15.98	0.02	13.48	424.12	PM
10-08-93	1452	E-tape	16.51	0.02	14.01	423.59	PM
11-17-93	1430	E-tape	17.11	0.02	14.61	422.99	MM
12-01-93	1613	E-tape	16.81	0.02	14.31	423.29	PM

AR59 GROUND-WATER OBSERVATION WELL (Continued)

Site ID: 645117147430501
Local Number: FC00100103DBAD1 029

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
12-21-93	1508	Steel tape	17.31	0.01	14.81	422.79	MM
01-18-94	1235	Steel tape	17.56	0.01	15.06	422.54	MM
02-03-94	1021	Steel tape	17.62	0.01	15.12	422.48	PM
02-08-94	1112	Steel tape	17.65	0.01	15.15	422.45	PM
02-25-94	1532	Steel tape	17.61	0.01	15.11	422.49	MM
03-15-94	1412	Steel tape	17.74	0.01	15.24	422.36	MM
03-31-94	1053	Steel tape	17.82	0.01	15.32	422.28	PM
04-19-94	1342	E-tape	17.87	0.03	15.37	422.23	MM
05-16-94	1157	Steel tape	17.15	0.01	14.65	422.95	MM
06-03-94	1550	Steel tape	17.33	0.01	14.83	422.77	PM
06-15-94	1528	Steel tape	17.33	0.01	14.83	422.77	MM
07-01-94	1428	Steel tape	14.61	0.01	12.11	425.49	PM
07-15-94	1350	Steel tape	16.19	0.01	13.69	423.91	MM
08-15-94	1459	Steel tape	16.64	0.01	14.14	423.46	MM
09-01-94	1605	Steel tape	16.71	0.01	14.21	423.39	PM
09-15-94	1303	Steel tape	16.78	0.01	14.28	423.32	MM
09-29-94	1315	Steel tape	16.94	0.01	14.44	423.16	PM
10-17-94	1504	Steel tape	17.21	0.01	14.71	422.89	MM
11-15-94	1309	E-tape	17.40	0.02	14.90	422.70	MM
12-21-94	1021	Steel tape	17.62	0.01	15.12	422.48	MM
01-18-95	1423	E-tape	17.78	0.02	15.28	422.32	MM
02-17-95	0924	Steel tape	17.95	0.01	15.45	422.15	MM
03-17-95	1100	E-tape	18.11	0.02	15.61	421.99	MM
04-13-95	1337	E-tape	17.99	0.02	15.49	422.11	MM
05-16-95	1150	E-tape	16.16	0.02	13.66	423.94	MM


AR59 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR62 GROUND-WATER OBSERVATION WELL

Site ID: 645058147422601
Local Number: FC00100102CCCC3 001

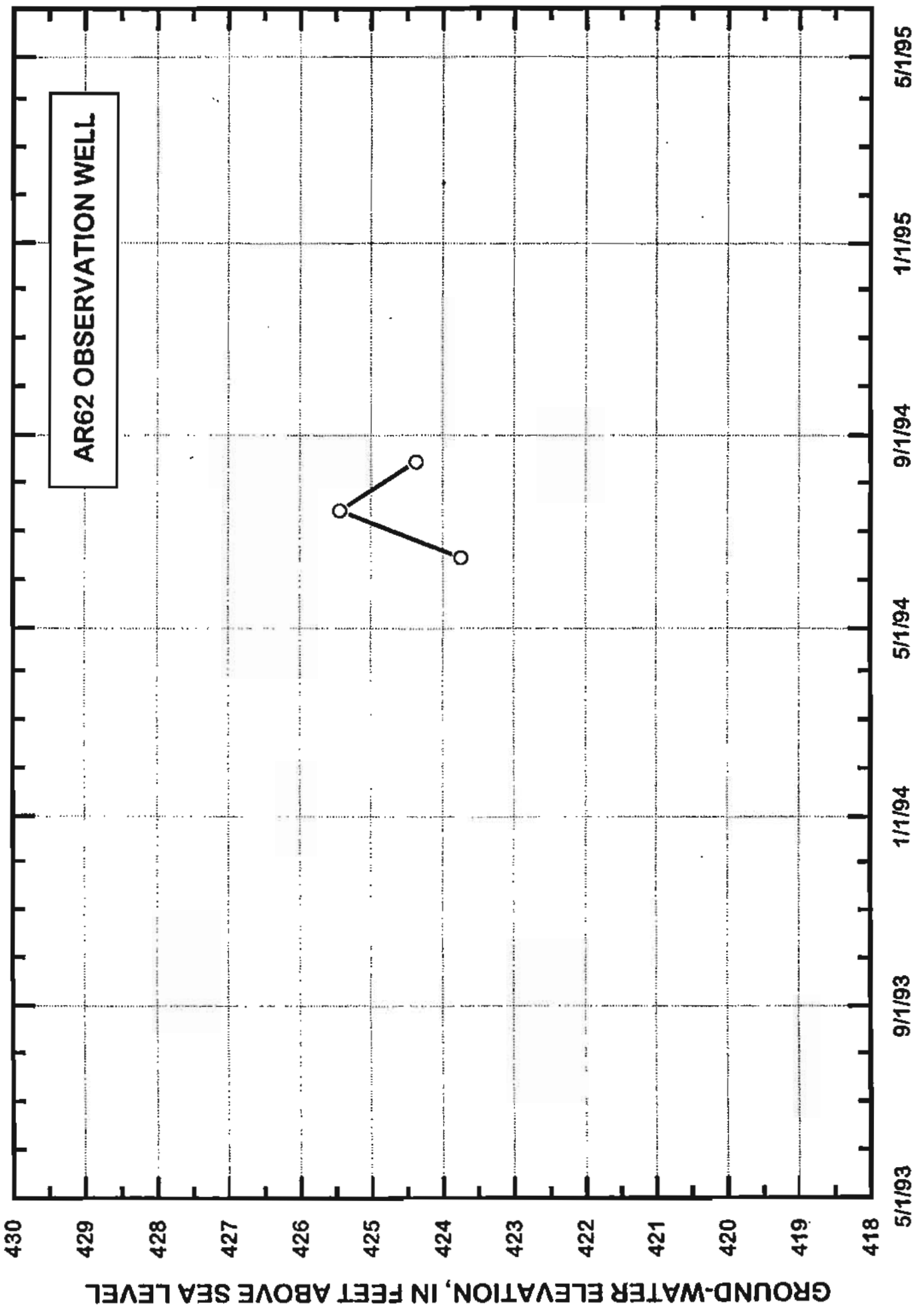
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	NA	NA
Depth from TOC to top of SI :	NA	NA
Depth from TOC to bottom of SI :	NA	NA
Land surface datum:		438.7

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-24-93	438.61

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
06-15-94	1410	Steel tape	14.87	0.01	14.96	423.74	MM
07-15-94	1240	Steel tape	13.17	0.01	13.26	425.44	MM
08-15-94	0931	Steel tape	14.24	0.01	14.33	424.37	MM


AR62 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR64 GROUND-WATER OBSERVATION WELL

Site ID: 645059147423401
Local Number: FC00100103DDDD1 026

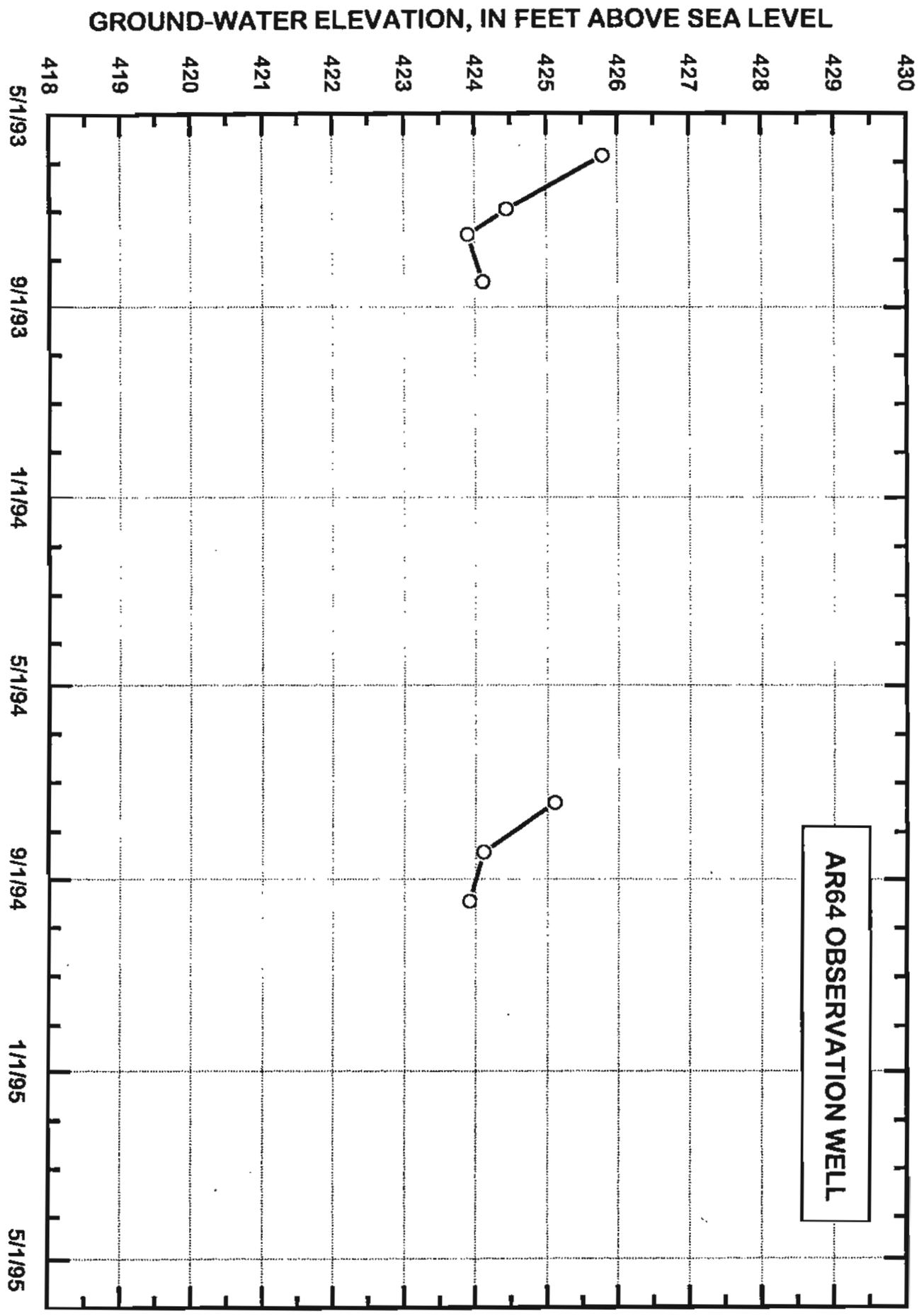
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	NA	NA
Depth from TOC to top of SI :	NA	NA
Depth from TOC to bottom of SI :	NA	NA
Land surface datum:		438.2

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-24-93	438.18

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
05-28-93	1532	E-tape	12.39	0.02	12.41	425.79	PM
07-01-93	1505	E-tape	13.74	0.02	13.76	424.44	PM
07-17-93	1543	Steel tape	14.28	0.01	14.30	423.90	MM
08-16-93	2102	Steel tape	14.07	0.01	14.09	424.11	MM
06-15-94	1515	NA	NA	NA	NA	NA	Blocked
07-15-94	1424	Steel tape	13.08	0.01	13.10	425.10	MM
08-15-94	1413	Steel tape	14.07	0.01	14.09	424.11	MM
09-15-94	1233	Steel tape	14.27	0.01	14.29	423.91	MM


GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
418
419
420
421
422
423
424
425
426
427
428
429
430
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95
AR64 OBSERVATION WELL

AR65 GROUND-WATER OBSERVATION WELL

Site ID: 645042147425101
Local Number: FC00100110ADBA1 021

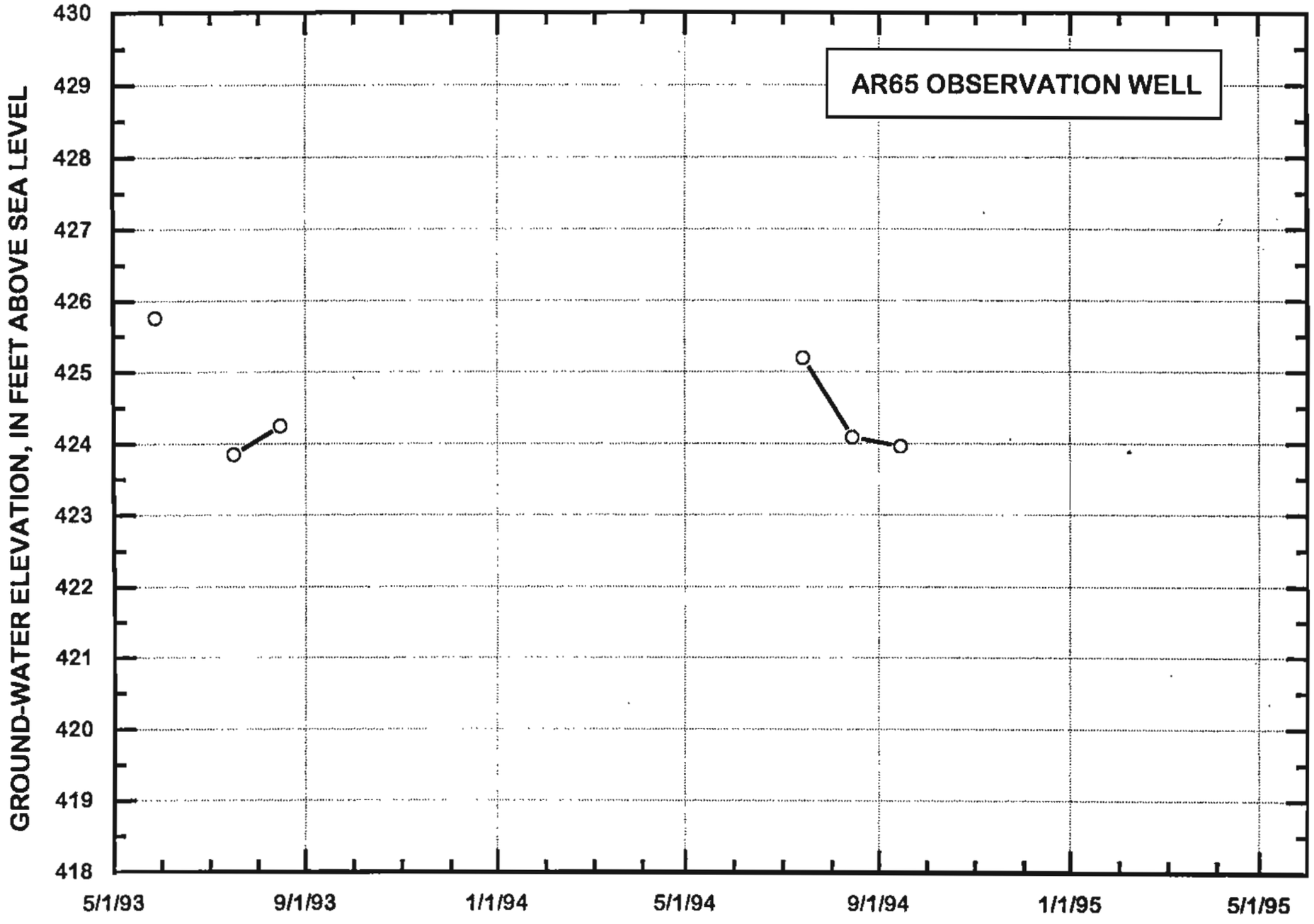
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	NA	NA
Depth from TOC to top of SI :	NA	NA
Depth from TOC to bottom of SI :	NA	NA
Land surface datum:		437.7

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-25-93	437.84

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
05-28-93	1545	E-tape	12.08	0.02	11.94	425.76	PM
07-17-93	1558	Steel tape	13.99	0.01	13.85	423.85	MM
08-16-93	2113	Steel tape	13.59	0.01	13.45	424.25	MM
06-15-94	1445	Steel tape	NA	NA	NA	NA	Blocked
07-15-94	1605	Steel tape	12.65	0.01	12.51	425.19	MM
08-15-94	1530	Steel tape	13.75	0.01	13.61	424.09	MM
09-15-94	1509	Steel tape	13.88	0.01	13.74	423.96	MM


AR65 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR68 GROUND-WATER OBSERVATION WELL

Site ID: 645100147442101
Local Number: FC00100103CCCD1

All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	37.5	399.2
Depth from TOC to top of SI :	NA	NA
Depth from TOC to bottom of SI :	37.5	399.2
Land surface datum:		436.1

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
09-28-93	436.62

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
06-30-93	1555	E-tape	14.50	0.02	13.98	422.12	PM
07-09-93	0946	Steel tape	15.74	0.01	15.22	420.88	PM
07-16-93	1500	Steel tape	15.15	0.01	14.63	421.47	MM
07-21-93	1508	Steel tape	15.11	0.01	14.59	421.51	PM
07-28-93	1627	Steel tape	15.20	0.01	14.68	421.42	PM
08-05-93	1646	Steel tape	15.25	0.01	14.73	421.37	PM
08-11-93	1510	Steel tape	14.54	0.01	14.02	422.08	PM
08-16-93	1543	Steel tape	14.66	0.01	14.14	421.96	MM
08-26-93	0916	E-tape	14.53	0.02	14.01	422.09	PM
09-02-93	1500	Steel tape	14.42	0.01	13.90	422.20	PM
09-07-93	1408	Steel tape	13.94	0.01	13.42	422.68	PM
09-08-93	1420	Steel tape	13.93	0.01	13.41	422.69	PM
09-14-93	1400	E-tape	14.08	0.02	13.56	422.54	MM
09-16-93	1454	Steel tape	14.11	0.01	13.59	422.51	PM
09-29-93	1601	E-tape	13.47	0.02	12.95	423.15	PM
10-14-93	1332	E-tape	13.71	0.02	13.19	422.91	PM
10-19-93	1600	Steel tape	13.81	0.01	13.29	422.81	MM
11-04-93	1420	E-tape	14.30	0.02	13.78	422.32	PM

AR68 GROUND-WATER OBSERVATION WELL (Continued)

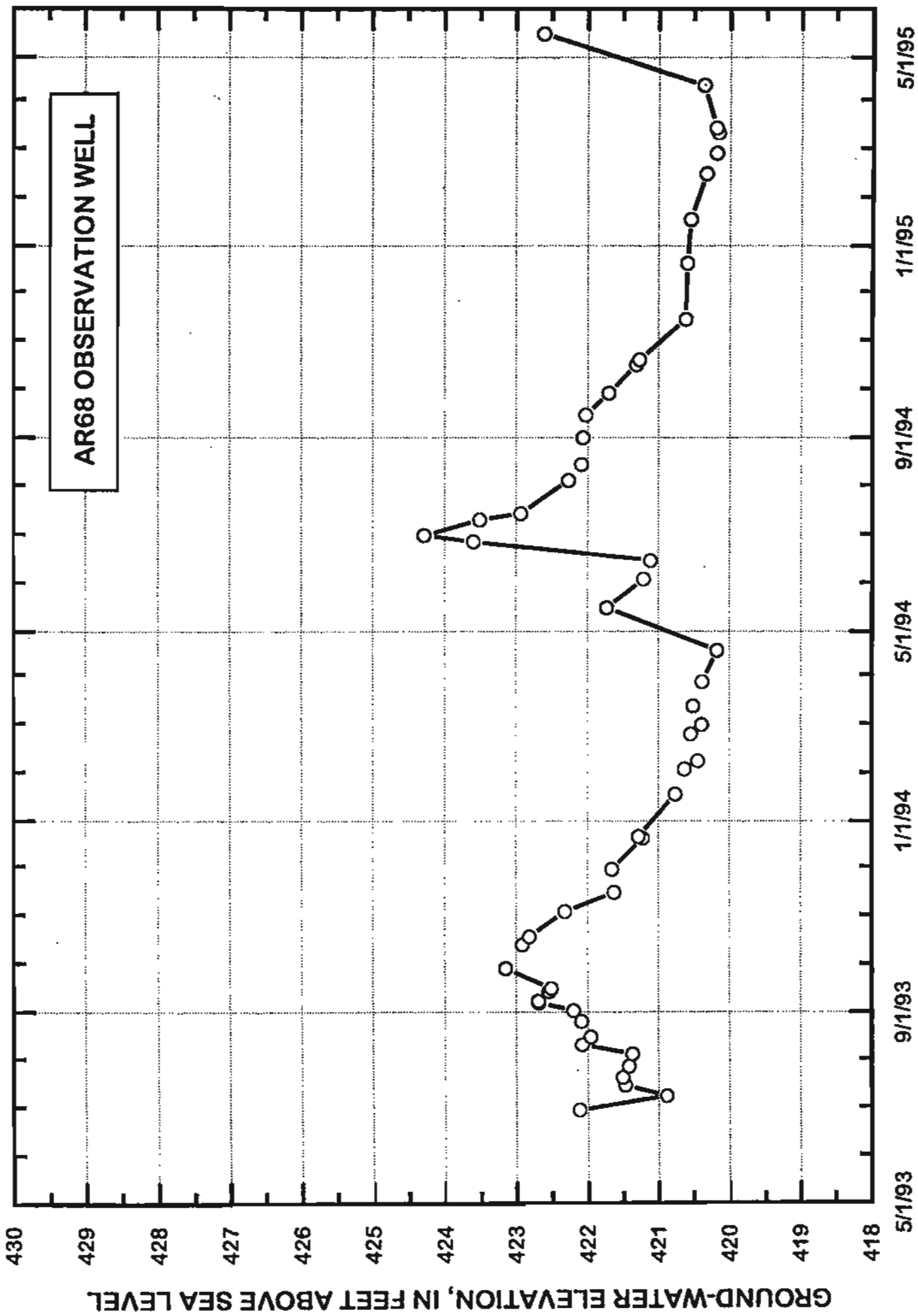
Site ID: 645100147442101
Local Number: FC00100103CCCD1

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
11-16-93	1330	E-tape	14.99	0.02	14.47	421.63	MM
12-01-93	1603	E-tape	14.96	0.02	14.44	421.66	PM
12-21-93	1248	E-tape	15.40	0.02	14.88	421.22	MM
12-22-93	1611	Steel tape	15.34	0.01	14.82	421.28	MM
01-18-94	1410	Steel tape	15.86	0.01	15.34	420.76	MM
02-03-94	0948	Steel tape	15.99	0.01	15.47	420.63	PM
02-08-94	1045	Steel tape	16.18	0.01	15.66	420.44	PM
02-25-94	1323	Steel tape	16.08	0.01	15.56	420.54	MM
03-03-94	1215	Steel tape	16.23	0.01	15.71	420.39	PM
03-15-94	1105	Steel tape	16.11	0.01	15.59	420.51	MM
03-30-94	1306	Steel tape	16.24	0.01	15.72	420.38	PM
04-19-94	1410	E-tape	16.45	0.03	15.93	420.17	MM
05-16-94	1607	Steel tape	14.89	0.01	14.37	421.73	MM
06-03-94	1525	Steel tape	15.41	0.01	14.89	421.21	PM
06-15-94	1204	Steel tape	15.51	0.01	14.99	421.11	MM
06-27-94	1230	Steel tape	13.02	0.01	12.50	423.60	PM
07-01-94	1521	Steel tape	12.34	0.01	11.82	424.28	PM
07-11-94	1515	Steel tape	13.11	0.01	12.59	423.51	PM
07-15-94	1550	Steel tape	13.69	0.01	13.17	422.93	MM
08-05-94	1325	Steel tape	14.35	0.01	13.83	422.27	PM
08-15-94	1050	Steel tape	14.53	0.01	14.01	422.09	MM
09-01-94	1700	Steel tape	14.55	0.01	14.03	422.07	PM
09-15-94	1411	Steel tape	14.59	0.01	14.07	422.03	MM
09-29-94	1259	Steel tape	14.92	0.01	14.40	421.70	PM
10-17-94	1615	E-tape	15.31	0.02	14.79	421.31	MM
10-20-94	1510	Steel tape	15.35	0.01	14.83	421.27	PM
11-15-94	1405	E-tape	16.01	0.02	15.49	420.61	MM
12-21-94	1148	Steel tape	16.03	0.01	15.51	420.59	MM
01-18-95	1330	E-tape	16.08	0.02	15.56	420.54	MM
02-16-95	0927	Steel tape	16.30	0.01	15.78	420.32	MM

AR68 GROUND-WATER OBSERVATION WELL (Continued)

Site ID: 645100147442101
Local Number: FC00100103CCCD1

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
03-01-95	1250	Steel tape	16.44	0.01	15.92	420.18	PM
03-14-95	1045	Steel tape	16.46	0.01	15.94	420.16	PM
03-17-95	0936	E-tape	16.43	0.02	15.91	420.19	MM
04-13-95	1412	E-tape	16.26	0.02	15.74	420.36	MM
05-16-95	1120	Steel tape	14.01	0.01	13.49	422.61	MM


AR68 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR69 GROUND-WATER OBSERVATION WELL

Site ID: 645100147442401
Local Number: FC00100103CCCD3 010

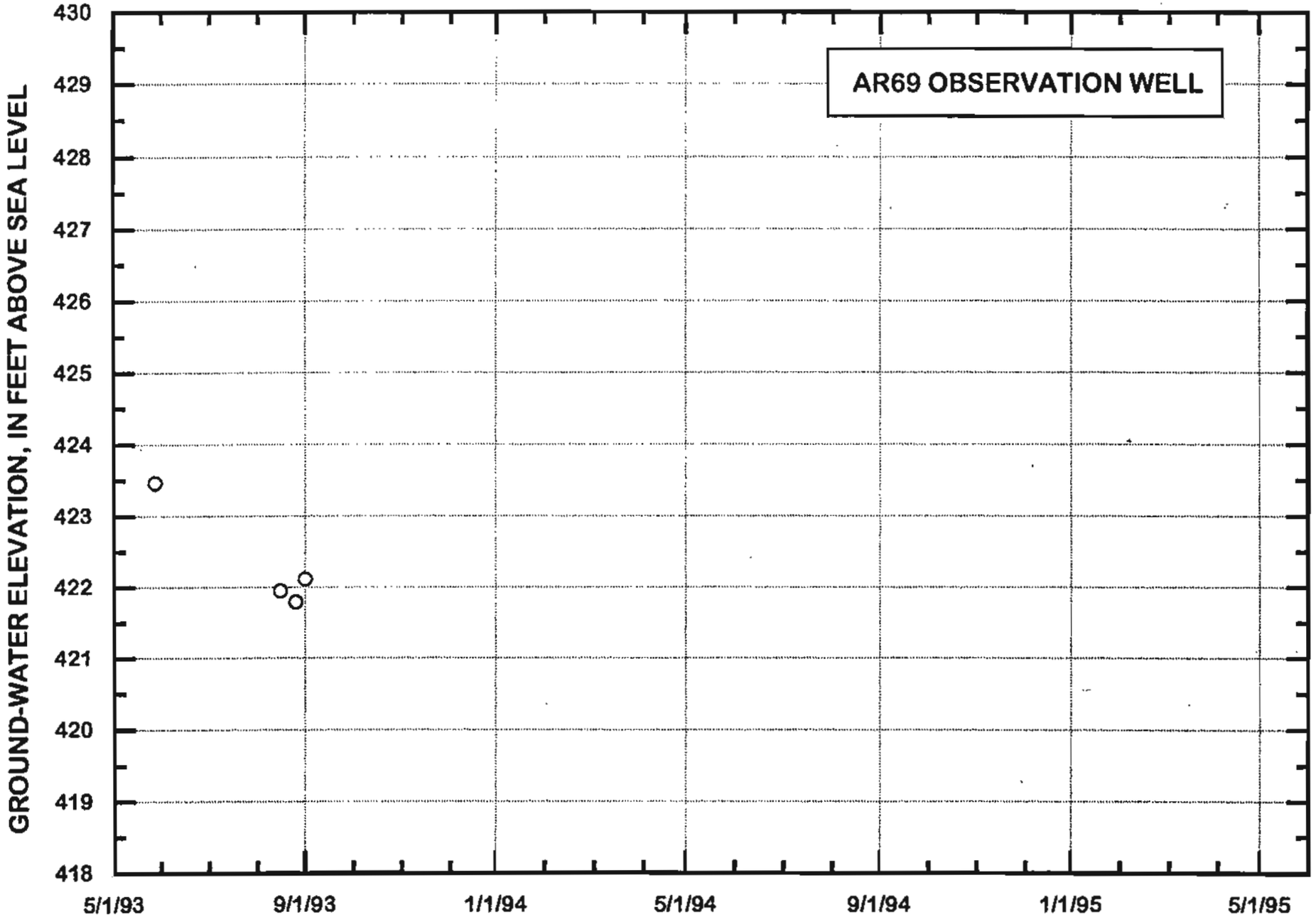
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	NA	NA
Depth from TOC to top of SI :	NA	NA
Depth from TOC to bottom of SI :	NA	NA
Land surface datum:		434.9

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-26-93	434.44

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
05-28-93	1635	E-tape	10.98	0.02	11.44	423.46	PM
08-16-93	1145	Steel tape	12.49	0.01	12.95	421.95	MM
08-26-93	0801	E-tape	12.65	0.02	13.11	421.79	PM
09-01-93	1006	E-tape	12.33	0.02	12.79	422.11	PM


AR69 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR75 GROUND-WATER OBSERVATION WELL

Site ID: 645058147434801
Local Number: FC00100103CDCD1 020

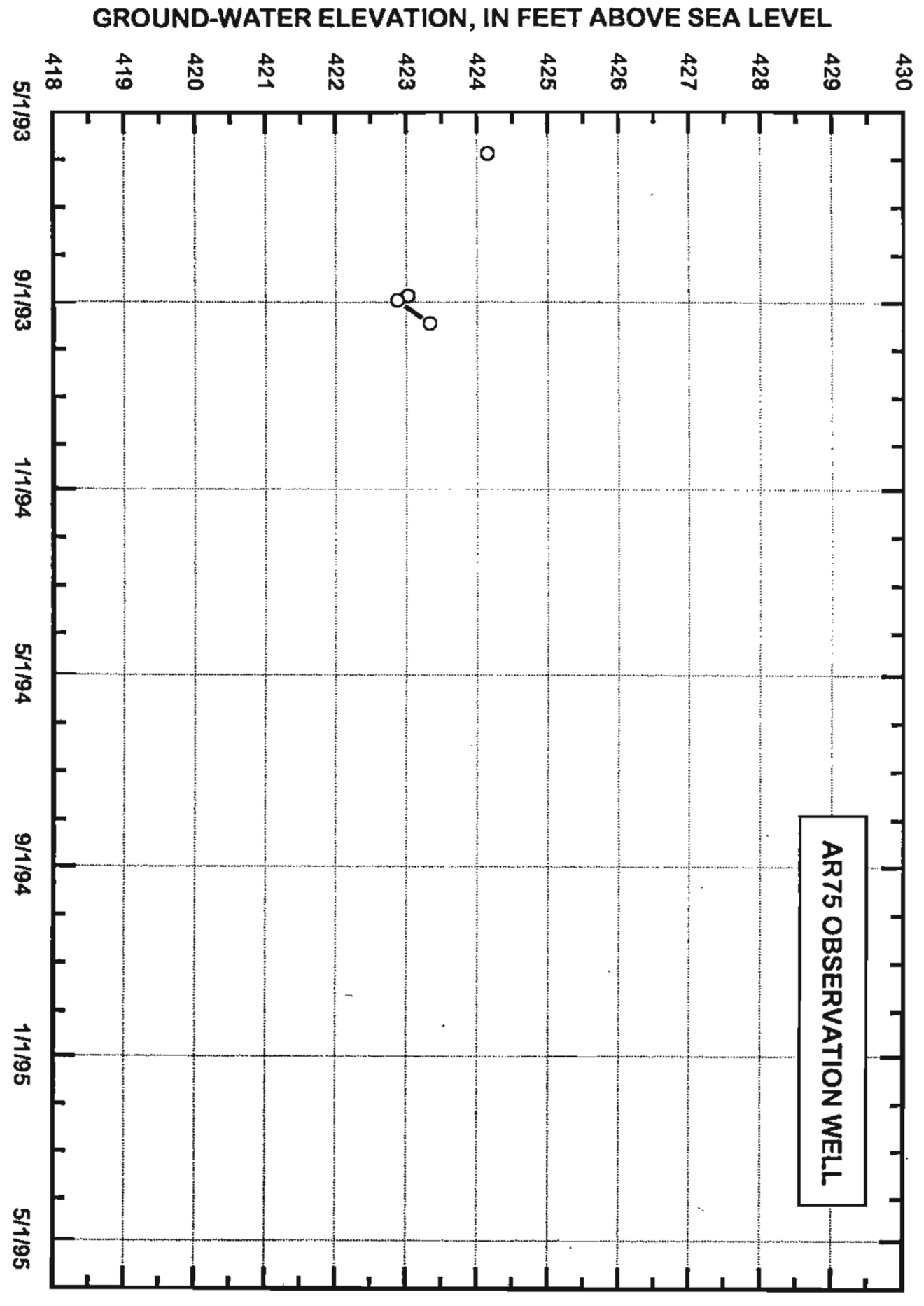
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	22.0	415.9
Depth from TOC to top of SI :	13.5	424.4
Depth from TOC to bottom of SI :	22.0	415.9
Land surface datum:		438.2

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-27-93	437.87

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
05-28-93	1620	E-tape	13.72	0.02	14.05	424.15	PM
08-28-93	0920	E-tape	14.85	0.02	15.18	423.02	PM
08-31-93	1740	E-tape	15.00	0.02	15.33	422.87	PM
09-15-93	1320	Steel tape	14.54	0.01	14.87	423.33	MM


GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95
AR75 OBSERVATION WELL

AR76 GROUND-WATER OBSERVATION WELL

Site ID: 645101147431701
Local Number: FC00100110BBDC2 016

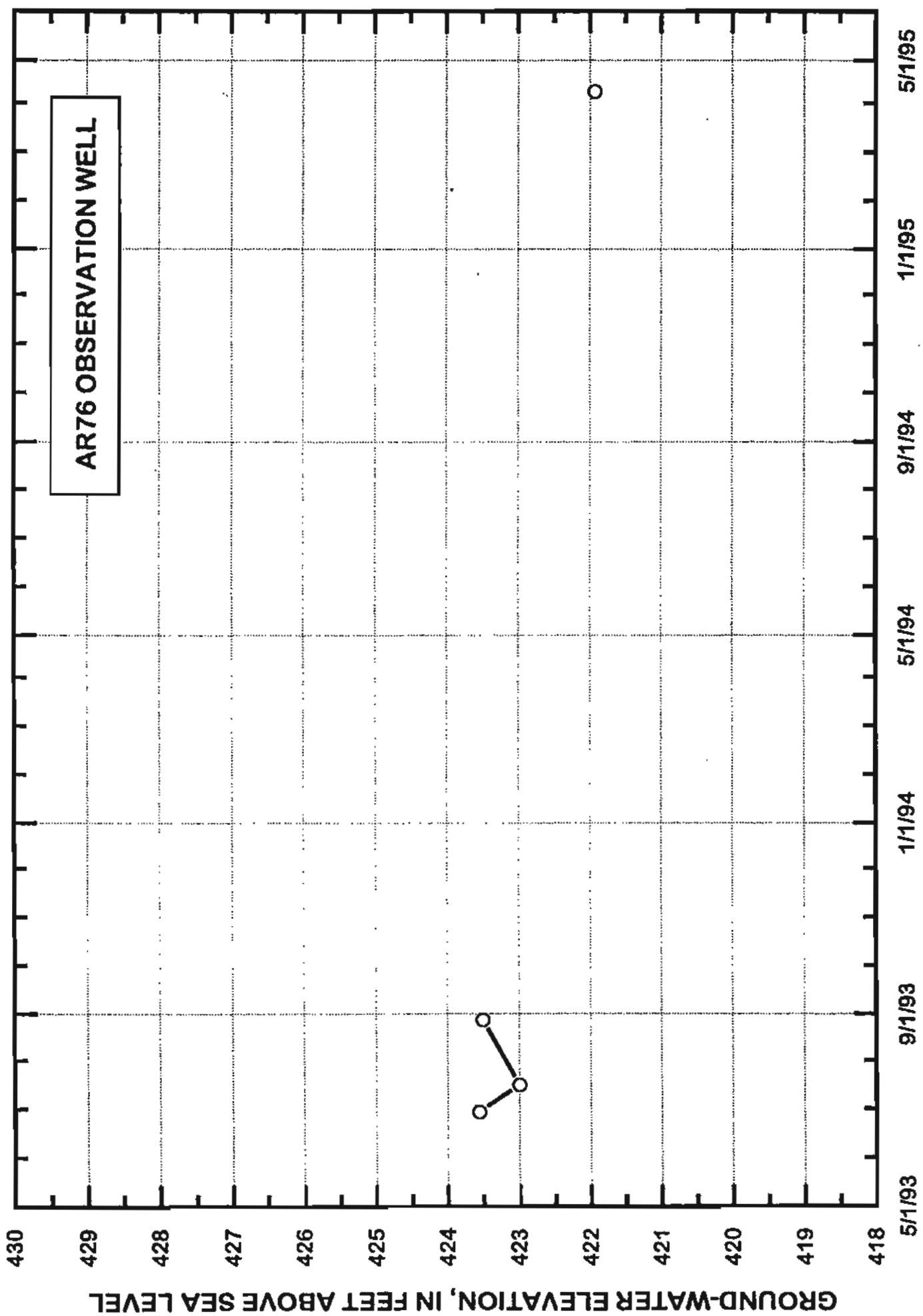
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	NA	NA
Depth from TOC to top of SI :	NA	NA
Depth from TOC to bottom of SI :	NA	NA
Land surface datum:		436.9

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-28-93	436.92

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
06-30-93	1530	E-tape	13.36	0.02	13.36	423.56	PM
07-17-93	1522	Steel tape	13.92	0.01	13.92	423.00	MM
08-28-93	1220	E-Tape	13.42	0.02	13.42	423.50	PM
04-11-95	1246	E-Tape	14.99	0.02	14.99	421.93	PM


AR76 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR79 GROUND-WATER OBSERVATION WELL

Site ID: 645100147442601
Local Number: FC00100103CCCD2 010

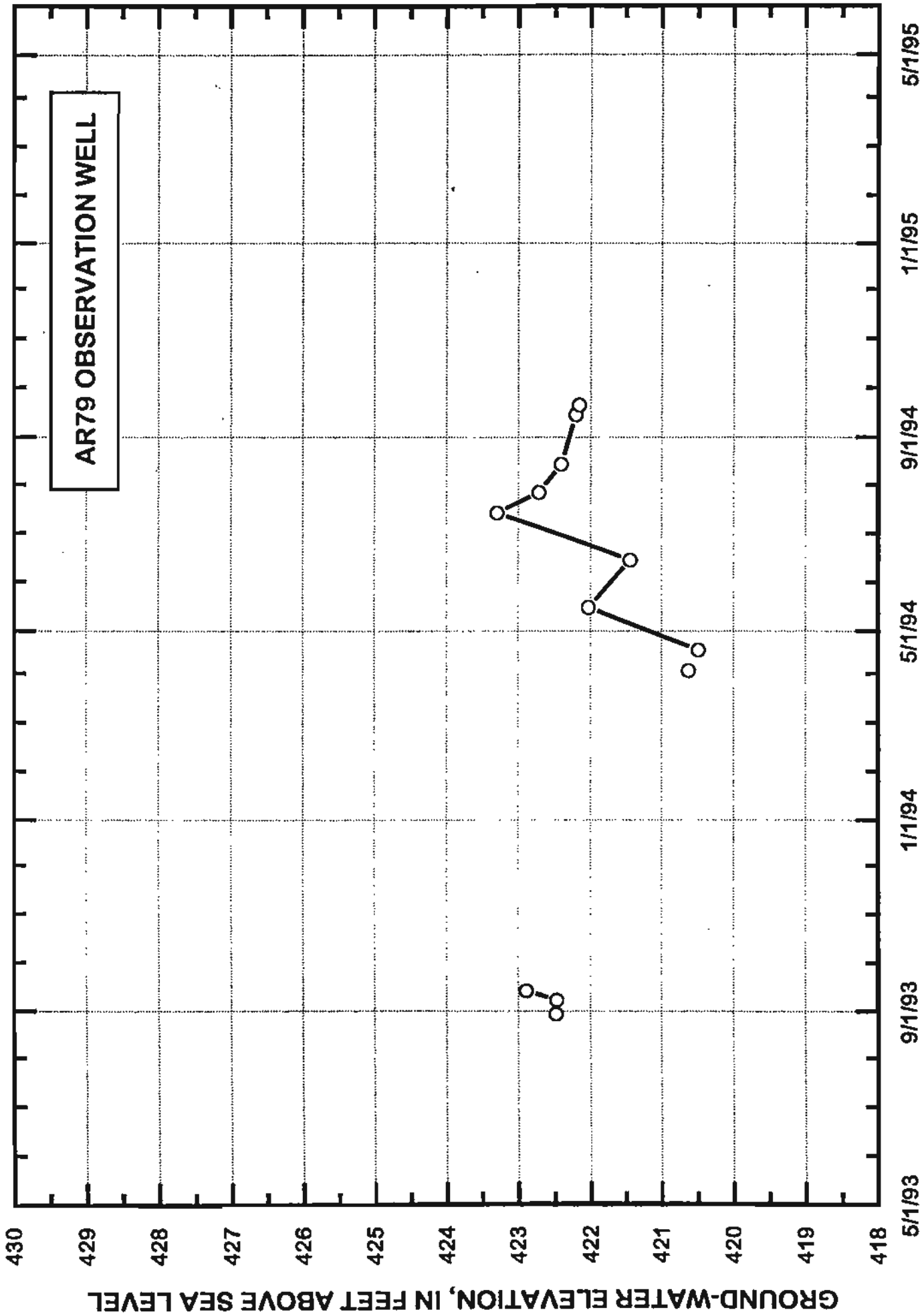
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	24.3	410.5
Depth from TOC to top of SI :	19.8	415.0
Depth from TOC to bottom of SI :	24.3	410.5
Land surface datum:		434.7

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-26-93	434.81

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
08-30-93	1810	E-tape	12.33	0.02	12.22	422.48	PM
09-08-93	0837	E-tape	12.34	0.02	12.23	422.47	PM
09-14-93	1300	Steel tape	11.92	0.01	11.81	422.89	MM
04-06-94	1452	Steel tape	14.18	0.01	14.07	420.63	PM
04-19-94	1541	Steel tape	14.32	0.01	14.21	420.49	MM
05-16-94	1600	Steel tape	12.78	0.01	12.67	422.03	MM
06-15-94	1210	Steel tape	13.37	0.01	13.26	421.44	MM
07-15-94	1600	Steel tape	11.52	0.01	11.41	423.29	MM
07-28-94	1229	Steel tape	12.09	0.01	11.98	422.72	PM
08-15-94	1037	Steel tape	12.40	0.01	12.29	422.41	MM
09-15-94	1405	Steel tape	12.60	0.01	12.49	422.21	MM
09-21-94	1635	Steel tape	12.65	0.01	12.54	422.16	PM


AR79 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR81 GROUND-WATER OBSERVATION WELL

Site ID: 645103147432101
Local Number: FC00100103DCCA2 030

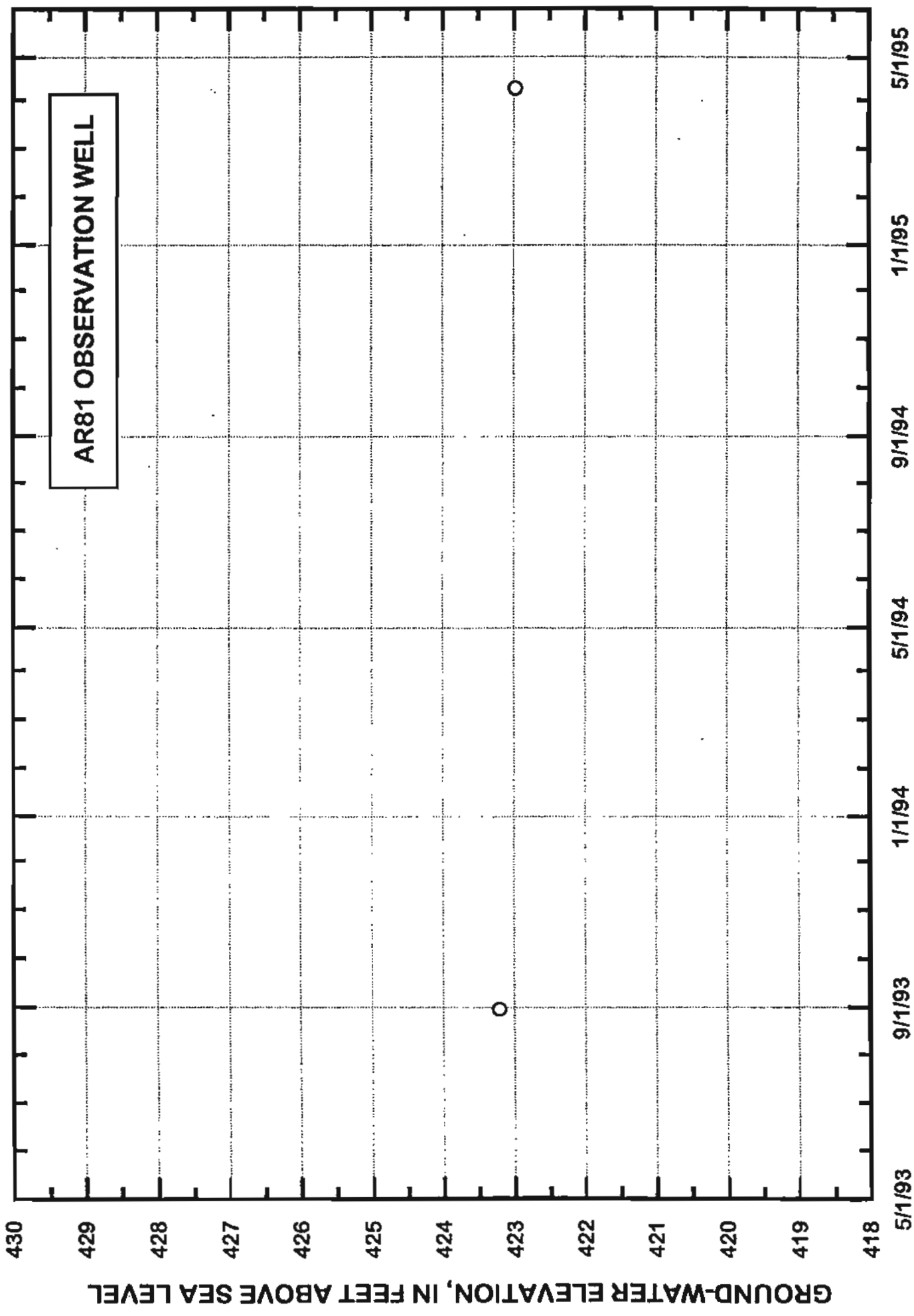
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	NA	NA
Depth from TOC to top of SI :	NA	NA
Depth from TOC to bottom of SI :	NA	NA
Land surface datum:		437.1

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-21-93	437.09

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
08-31-93	1520	E-tape	13.88	0.02	13.89	423.21	PM
04-11-95	1400	E-tape	14.11	0.02	14.12	422.98	PM


AR81 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR84 GROUND-WATER OBSERVATION WELL

Site ID: 645058147422801
Local Number: FC00100102CCCC5 001

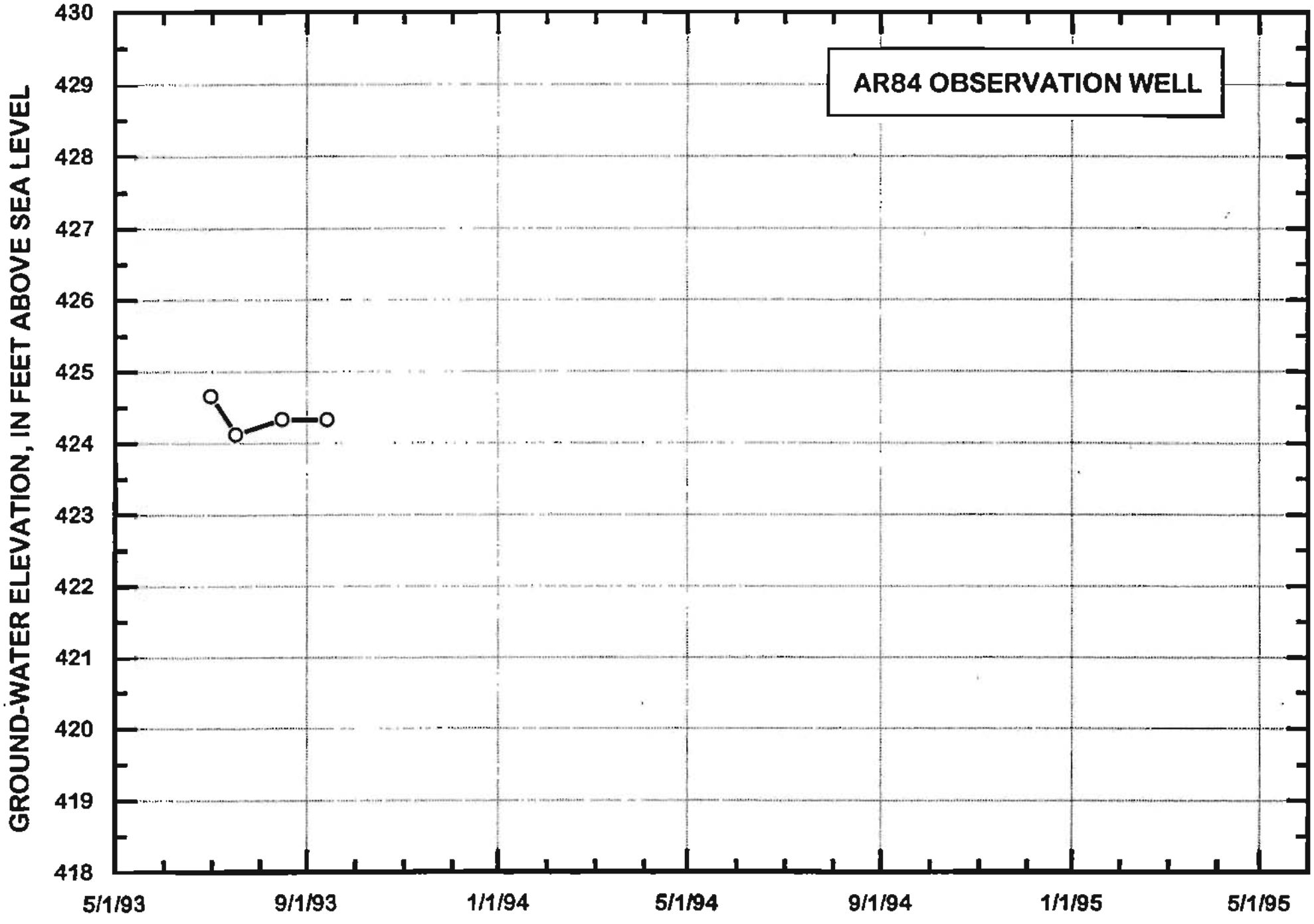
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	NA	NA
Depth from TOC to top of SI :	NA	NA
Depth from TOC to bottom of SI :	NA	NA
Land surface datum:		438.6

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-24-93	438.51

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
07-01-93	1510	E-tape	13.85	0.02	13.94	424.66	PM
07-17-93	1548	Steel tape	14.39	0.01	14.48	424.12	MM
08-16-93	1917	Steel tape	14.18	0.01	14.27	424.33	MM
09-14-93	1600	E-tape	14.18	0.02	14.27	424.33	MM


AR84 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR97 GROUND-WATER OBSERVATION WELL

Site ID: 645103147454501
Local Number: FC00100104CDDD

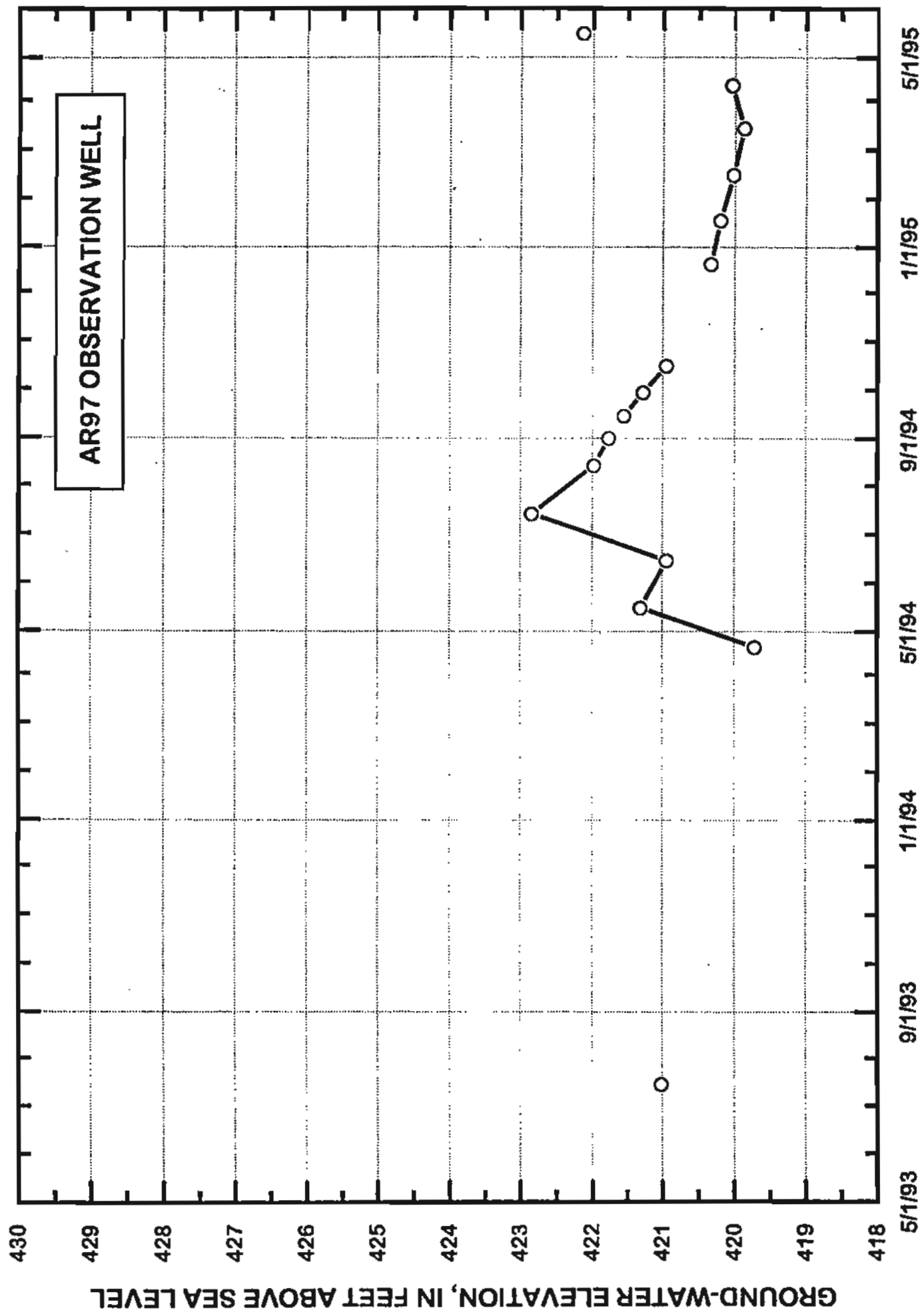
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	NA	NA
Depth from TOC to top of SI :	NA	NA
Depth from TOC to bottom of SI :	NA	NA
Land surface datum:		437.5

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
07-09-94	440.97

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
07-16-93	1622	Steel tape	19.95	0.01	16.48	421.02	PM
04-21-94	1535	Steel tape	21.25	0.01	17.78	419.72	MM
05-16-94	0906	Steel tape	19.66	0.01	16.19	421.31	MM
06-15-94	1139	Steel tape	20.03	0.01	16.56	420.94	MM
07-15-94	1515	Steel tape	18.13	0.01	14.66	422.84	MM
08-15-94	1025	Steel tape	18.99	0.01	15.52	421.98	MM
09-01-94	1643	Steel tape	19.20	0.01	15.73	421.77	PM
09-15-94	1455	Steel tape	19.42	0.01	15.95	421.55	MM
09-30-94	1406	Steel tape	19.69	0.01	16.22	421.28	PM
10-17-94	1340	Steel tape	20.02	0.01	16.55	420.95	MM
12-21-94	1203	Steel tape	20.64	0.01	17.17	420.33	MM
01-18-95	1439	E-tape	20.77	0.02	17.30	420.20	MM
02-16-95	0848	Steel tape	20.95	0.01	17.48	420.02	MM
03-17-95	0925	E-tape	21.10	0.02	17.63	419.87	MM
04-13-95	1447	E-tape	20.93	0.02	17.46	420.04	MM
05-16-95	1031	E-tape	18.83	0.02	15.36	422.14	MM


AR97 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR100 GROUND-WATER OBSERVATION WELL

Site ID: 645057147434901
Local Number: FC00100110BABA1 031

All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	52.7	388.1
Depth from TOC to top of SI :	47.7	393.1
Depth from TOC to bottom of SI :	52.7	388.1
Land surface datum:		438.9

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
09-28-93	440.82
02-24-95	440.82

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
09-14-93	1415	E-tape	17.56	0.02	15.64	423.26	MM
09-28-93	1349	E-tape	16.52	0.02	14.60	424.30	PM
09-30-93	1140	E &Steel	16.79	0.01	14.87	424.03	PM
10-19-93	1652	Steel tape	17.22	0.01	15.30	423.60	MM
11-16-93	1355	E-tape	18.35	0.02	16.43	422.47	MM
12-01-93	1545	E-tape	18.26	0.02	16.34	422.56	PM
12-21-93	1124	E-tape	19.04	0.02	17.12	421.78	MM
01-18-94	1033	Steel tape	19.24	0.01	17.32	421.58	MM
02-03-94	0915	Steel tape	19.28	0.01	17.36	421.54	PM
02-08-94	0956	Steel tape	19.36	0.01	17.44	421.46	PM
02-25-94	1122	Steel tape	19.38	0.01	17.46	421.44	MM
03-15-94	0948	Steel tape	19.51	0.01	17.59	421.31	MM
03-31-94	0952	Steel tape	19.66	0.01	17.74	421.16	PM
04-05-94	0859	Steel tape	19.65	0.01	17.73	421.17	PM
04-19-94	0942	E-tape	19.83	0.03	17.91	420.99	MM
04-28-94	1156	Steel tape	18.48	0.01	16.56	422.34	PM
05-13-94	1010	Steel tape	18.33	0.01	16.41	422.49	PM
05-16-94	0920	Steel tape	18.18	0.01	16.26	422.64	MM

AR100 GROUND-WATER OBSERVATION WELL (Continued)

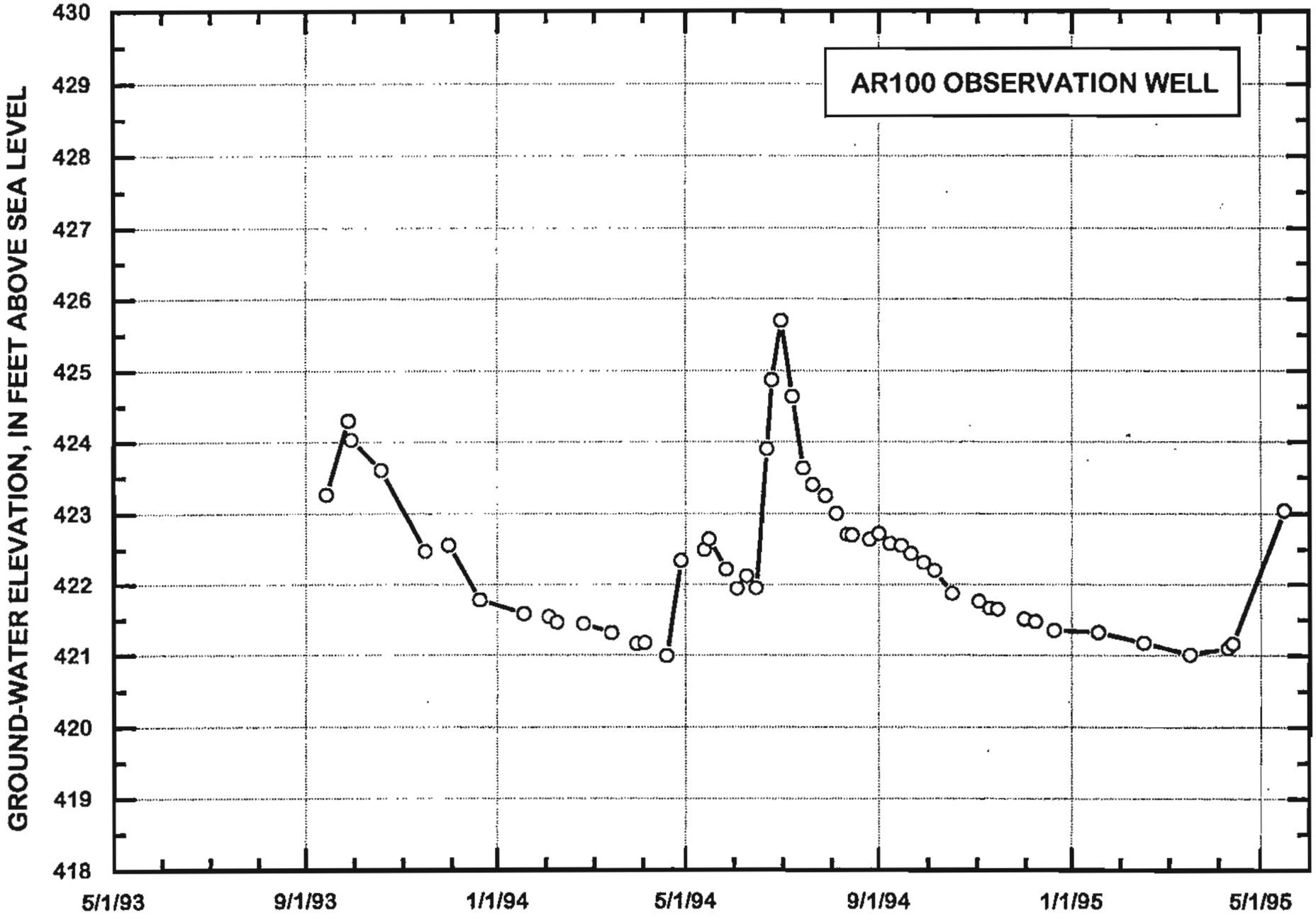
Site ID: 645057147434901
Local Number: FC00100110BABA1 031

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
05-27-94	1040	Steel tape	18.60	0.01	16.68	422.22	PM
06-03-94	1510	Steel tape	18.88	0.01	16.96	421.94	PM
06-09-94	1425	Steel tape	18.70	0.01	16.78	422.12	PM
06-15-94	1205	Steel tape	18.87	0.01	16.95	421.95	MM
06-22-94	1340	Steel tape	16.92	0.01	15.00	423.90	PM
06-25-94	1237	Steel tape	15.95	0.01	14.03	424.87	PM
07-01-94	1508	Steel tape	15.12	0.01	13.20	425.70	PM
07-08-94	1625	Steel tape	16.18	0.01	14.26	424.64	PM
07-15-94	1515	Steel tape	17.19	0.01	15.27	423.63	MM
07-21-94	1647	Steel tape	17.42	0.01	15.50	423.40	PM
07-29-94	0948	Steel tape	17.57	0.01	15.65	423.25	PM
08-05-94	1305	Steel tape	17.82	0.01	15.90	423.00	PM
08-12-94	1253	Steel tape	18.11	0.01	16.19	422.71	PM
08-15-94	0959	Steel tape	18.12	0.01	16.20	422.70	MM
08-26-94	1150	Steel tape	18.18	0.01	16.26	422.64	PM
09-01-94	1626	Steel tape	18.10	0.01	16.18	422.72	PM
09-08-94	1545	Steel tape	18.24	0.01	16.32	422.58	PM
09-15-94	1425	Steel tape	18.27	0.01	16.35	422.55	MM
09-21-94	0853	Steel tape	18.38	0.01	16.46	422.44	PM
09-29-94	1238	Steel tape	18.51	0.01	16.59	422.31	PM
10-06-94	1450	Steel tape	18.62	0.01	16.70	422.20	PM
10-17-94	1404	Steel tape	18.95	0.01	17.03	421.87	MM
11-03-94	1207	Steel tape	19.06	0.01	17.14	421.76	PM
11-10-94	1309	Steel tape	19.16	0.01	17.24	421.66	PM
11-15-94	1347	E-tape	19.17	0.02	17.25	421.65	MM
12-02-94	1335	E-tape	19.31	0.02	17.39	421.51	PM
12-09-94	1400	E-tape	19.35	0.02	17.43	421.47	PM
12-21-94	1127	Steel tape	19.47	0.01	17.55	421.35	MM
01-18-95	1315	E-tape	19.50	0.02	17.58	421.32	MM
02-16-95	0859	Steel tape	19.65	0.01	17.73	421.17	MM

AR100 GROUND-WATER OBSERVATION WELL (Continued)

Site ID: 645057147434901
Local Number: FC00100110BABA1 031

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
03-17-95	1013	E-tape	19.81	0.02	17.89	421.01	MM
04-10-95	1040	E-tape	19.72	0.02	17.80	421.10	PM
04-13-95	1425	E-tape	19.66	0.02	17.74	421.16	MM
05-16-95	1041	E-tape	17.78	0.02	15.86	423.04	MM
05-22-95	1000	Steel tape	18.26	0.01	16.34	422.56	PM


AR100 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR101 GROUND-WATER OBSERVATION WELL

Site ID: 645057147434801
Local Number: FC00100110BABA2 031

All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	100.4	340.3
Depth from TOC to top of SI :	95.4	345.3
Depth from TOC to bottom of SI :	100.4	340.3
Land surface datum:		439.3

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
09-28-93	440.70
02-24-95	440.7

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
09-14-93	1411	E-tape	17.42	0.02	16.02	423.28	MM
09-28-93	1357	E-tape	16.39	0.02	14.99	424.31	PM
09-30-93	1153	E-tape	16.67	0.02	15.27	424.03	PM
10-19-93	1638	Steel tape	17.09	0.01	15.69	423.61	MM
11-16-93	1350	E-tape	18.22	0.02	16.82	422.48	MM
12-01-93	1550	E-tape	18.02	0.02	16.62	422.68	PM
12-21-93	1130	Steel tape	18.85	0.01	17.45	421.85	MM
01-18-94	1036	Steel tape	19.04	0.01	17.64	421.66	MM
02-03-94	0923	Steel tape	19.08	0.01	17.68	421.62	PM
02-08-94	1020	Steel tape	19.17	0.01	17.77	421.53	PM
02-25-94	1116	Steel tape	19.19	0.01	17.79	421.51	MM
03-15-94	1000	Steel tape	19.31	0.01	17.91	421.39	MM
03-31-94	1007	Steel tape	19.44	0.01	18.04	421.26	PM
04-05-94	0910	Steel tape	19.44	0.01	18.04	421.26	PM
04-19-94	1110	E-tape	19.50	0.03	18.10	421.20	MM
04-28-94	1110	Steel tape	18.30	0.01	16.90	422.40	PM
05-13-94	1020	Steel tape	18.19	0.01	16.79	422.51	PM
05-16-94	0925	Steel tape	18.03	0.01	16.63	422.67	MM

AR101 GROUND-WATER OBSERVATION WELL (Continued)

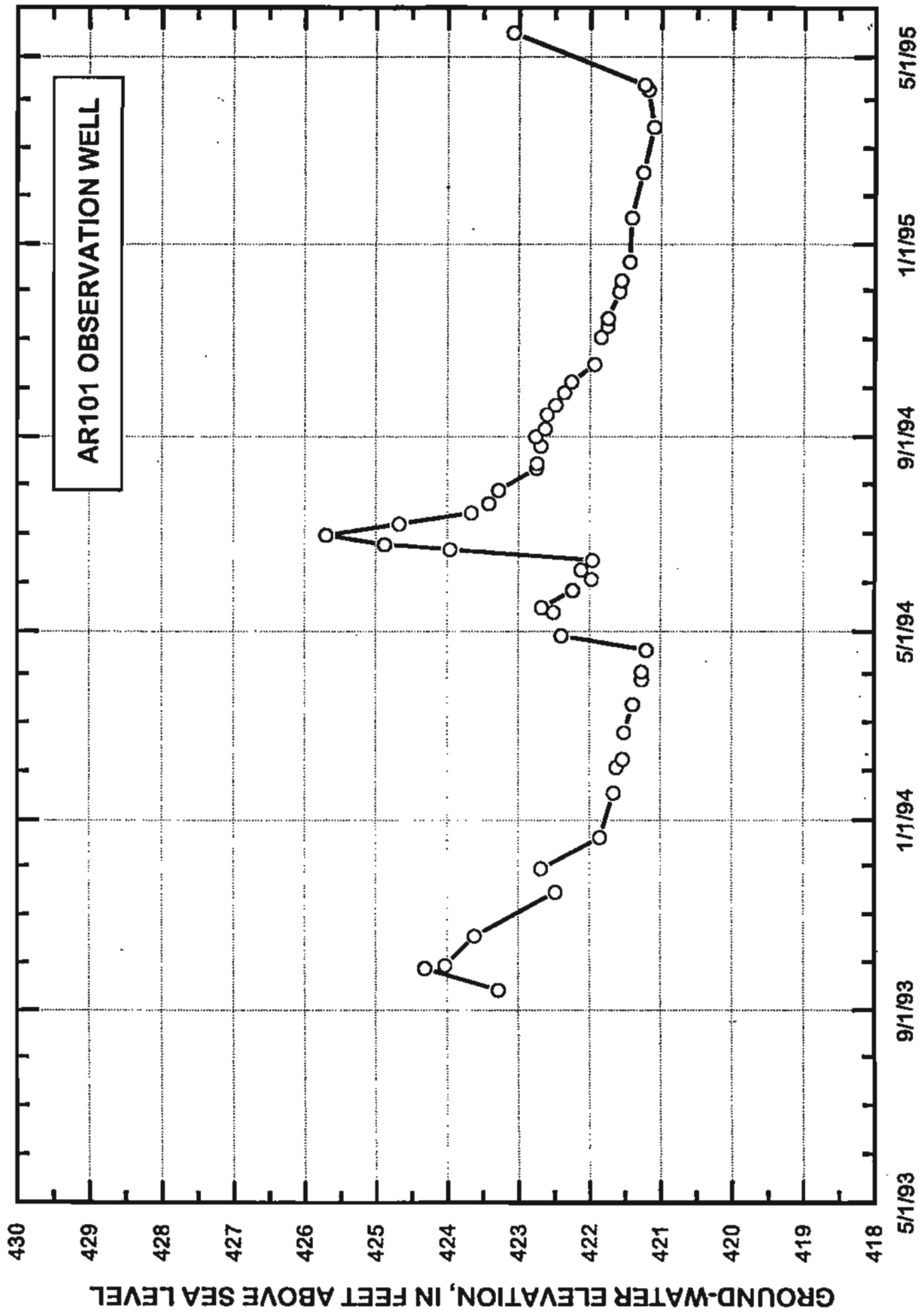
Site ID: 645057147434801
Local Number: FC00100110BABA2 031

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
05-27-94	1045	Steel tape	18.46	0.01	17.06	422.24	PM
06-03-94	1521	Steel tape	18.73	0.01	17.33	421.97	PM
06-09-94	1437	Steel tape	18.58	0.01	17.18	422.12	PM
06-15-94	1217	Steel tape	18.74	0.01	17.34	421.96	MM
06-22-94	1355	Steel tape	16.74	0.01	15.34	423.96	PM
06-25-94	1244	Steel tape	15.83	0.01	14.43	424.87	PM
07-01-94	1519	Steel tape	15.00	0.01	13.60	425.70	PM
07-08-94	1640	Steel tape	16.03	0.01	14.63	424.67	PM
07-15-94	1521	Steel tape	17.04	0.01	15.64	423.66	MM
07-21-94	1658	Steel tape	17.28	0.01	15.88	423.42	PM
07-29-94	1015	Steel tape	17.42	0.01	16.02	423.28	PM
08-12-94	1308	Steel tape	17.95	0.01	16.55	422.75	PM
08-15-94	1003	Steel tape	17.96	0.01	16.56	422.74	MM
08-26-94	1158	Steel tape	18.01	0.01	16.61	422.69	PM
09-01-94	1639	Steel tape	17.94	0.01	16.54	422.76	PM
09-06-94	1557	Steel tape	18.07	0.01	16.67	422.63	PM
09-15-94	1430	Steel tape	18.10	0.01	16.70	422.60	MM
09-21-94	0950	Steel tape	18.22	0.01	16.82	422.48	PM
09-29-94	1250	Steel tape	18.34	0.01	16.94	422.36	PM
10-06-94	1503	Steel tape	18.44	0.01	17.04	422.26	PM
10-17-94	1417	Steel tape	18.77	0.01	17.37	421.93	MM
11-03-94	1217	Steel tape	18.86	0.01	17.46	421.84	PM
11-10-94	1319	Steel tape	18.95	0.01	17.55	421.75	PM
11-15-94	1359	E-tape	18.96	0.02	17.56	421.74	MM
12-02-94	1347	E-tape	19.12	0.02	17.72	421.58	PM
12-09-94	1411	E-tape	19.15	0.02	17.75	421.55	PM
12-21-94	1143	Steel tape	19.26	0.01	17.86	421.44	MM
01-18-95	1327	E-tape	19.29	0.02	17.89	421.41	MM
02-16-95	0920	Steel tape	19.45	0.01	18.05	421.25	MM
03-17-95	1025	E-tape	19.60	0.02	18.20	421.10	MM

AR101 GROUND-WATER OBSERVATION WELL (Continued)

Site ID: 645057147434801
Local Number: FC00100110BABA2 031

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
04-10-95	1057	E-tape	19.52	0.02	18.12	421.18	PM
04-13-95	1435	E-tape	19.47	0.02	18.07	421.23	MM
05-16-95	1053	E-tape	17.62	0.02	16.22	423.08	MM


AR101 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR102 GROUND-WATER OBSERVATION WELL

Site ID: 645057147434902
Local Number: FC00100110BABA3 031

All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	22.8	418.1
Depth from TOC to top of SI :	12.8	428.1
Depth from TOC to bottom of SI :	22.8	418.1
Land surface datum:		438.5

LS, land surface
MM, mass measurement
NA, not available
PM, partial measurement
MP, measuring point
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
09-28-93	440.92
02-24-95	440.92

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
09-14-93	1412	E-tape	17.70	0.02	15.28	423.22	MM
09-28-93	1351	E-tape	16.61	0.02	14.19	424.31	PM
09-30-93	1147	E-tape	16.93	0.02	14.51	423.99	PM
10-19-93	1648	Steel tape	17.35	0.01	14.93	423.57	MM
11-16-93	1345	E-tape	18.48	0.02	16.06	422.44	MM
12-01-93	1555	E-tape	18.42	0.02	16.00	422.50	PM
12-21-93	1135	E-tape	19.23	0.02	16.81	421.69	MM
01-18-94	1040	Steel tape	19.43	0.01	17.01	421.49	MM
02-03-94	0919	Steel tape	19.56	0.01	17.14	421.36	PM
02-08-94	1010	Steel tape	19.53	0.01	17.11	421.39	PM
02-25-94	1129	Steel tape	19.55	0.01	17.13	421.37	MM
03-15-94	0955	Steel tape	19.69	0.01	17.27	421.23	MM
03-31-94	0957	Steel tape	19.82	0.01	17.40	421.10	PM
04-05-94	0905	Steel tape	19.80	0.01	17.38	421.12	PM
04-19-94	1043	Steel tape	19.98	0.01	17.56	420.94	MM
04-28-94	1157	Steel tape	18.58	0.01	16.16	422.34	PM
05-13-94	1014	Steel tape	18.46	0.01	16.04	422.46	PM
05-16-94	0937	Steel tape	18.27	0.01	15.85	422.65	MM

AR102 GROUND-WATER OBSERVATION WELL (Continued)

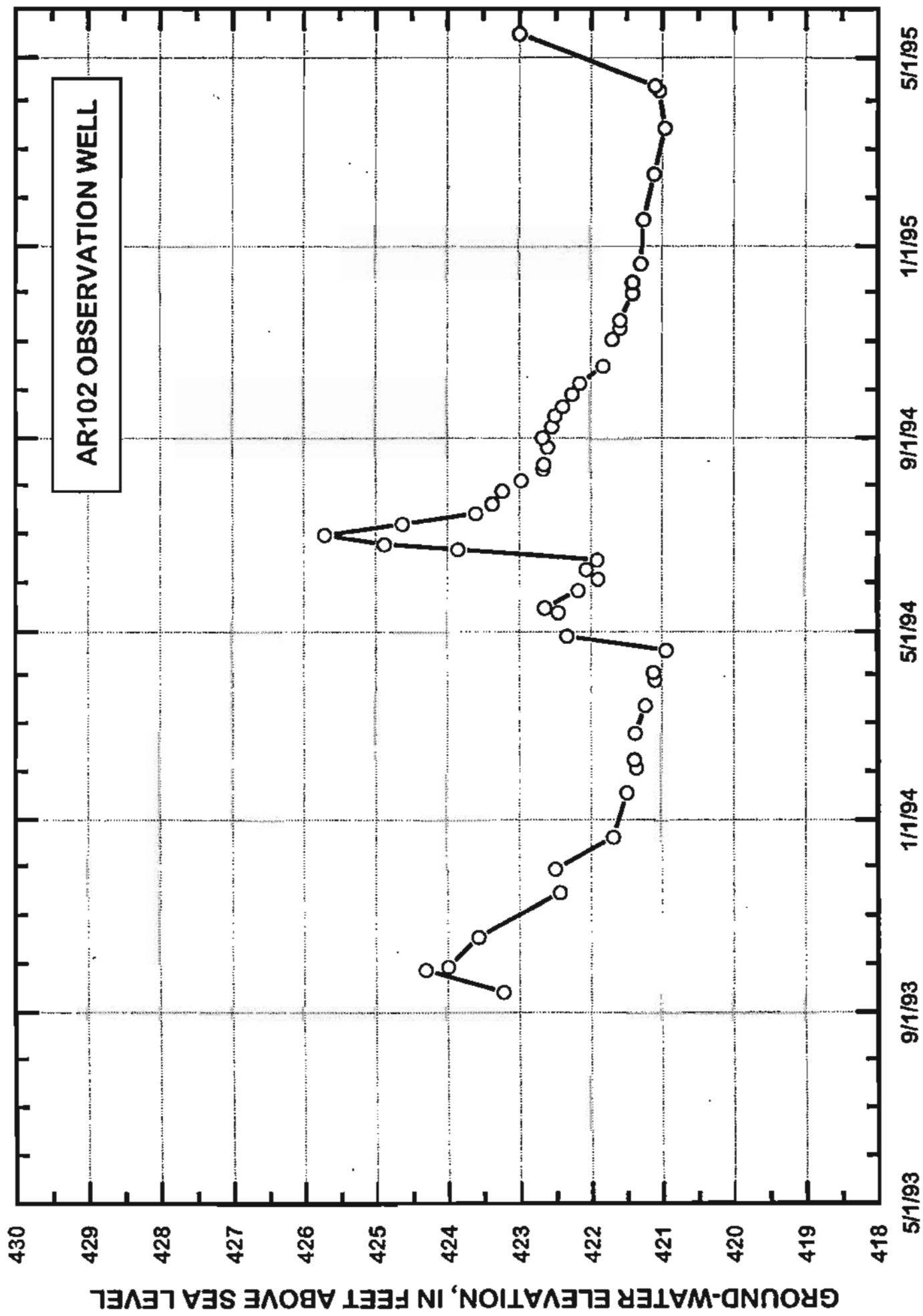
Site ID: 645057147434902
Local Number: FC00100110BABA3 031

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
05-27-94	1041	Steel tape	18.73	0.01	16.31	422.19	PM
06-03-94	1513	Steel tape	19.02	0.01	16.60	421.90	PM
06-09-94	1428	Steel tape	18.85	0.01	16.43	422.07	PM
06-15-94	1210	Steel tape	19.01	0.01	16.59	421.91	MM
06-22-94	1345	Steel tape	17.07	0.01	14.65	423.85	PM
06-25-94	1239	Steel tape	16.04	0.01	13.62	424.88	PM
07-01-94	1512	Steel tape	15.21	0.01	12.79	425.71	PM
07-08-94	1630	Steel tape	16.29	0.01	13.87	424.63	PM
07-15-94	1517	Steel tape	17.32	0.01	14.90	423.60	MM
07-21-94	1651	Steel tape	17.55	0.01	15.13	423.37	PM
07-29-94	0914	Steel tape	17.69	0.01	15.27	423.23	PM
08-05-94	1310	Steel tape	17.95	0.01	15.53	422.97	PM
08-12-94	1258	Steel tape	18.25	0.01	15.83	422.67	PM
08-15-94	1004	Steel tape	18.26	0.01	15.84	422.66	MM
08-26-94	1153	Steel tape	18.31	0.01	15.89	422.61	PM
09-01-94	1629	Steel tape	18.24	0.01	15.82	422.68	PM
09-08-94	1550	Steel tape	18.37	0.01	15.95	422.55	PM
09-15-94	1420	Steel tape	18.41	0.01	15.99	422.51	MM
09-21-94	0924	Steel tape	18.52	0.01	16.10	422.40	PM
09-29-94	1242	Steel tape	18.65	0.01	16.23	422.27	PM
10-06-94	1455	Steel tape	18.76	0.01	16.34	422.16	PM
10-17-94	1409	Steel tape	19.09	0.01	16.67	421.83	MM
11-03-94	1210	Steel tape	19.22	0.01	16.80	421.70	PM
11-10-94	1312	Steel tape	19.33	0.01	16.91	421.59	PM
11-15-94	1350	E-tape	19.33	0.02	16.91	421.59	MM
12-02-94	1340	E-tape	19.51	0.02	17.09	421.41	PM
12-09-94	1403	E-tape	19.51	0.02	17.09	421.41	PM
12-21-94	1131	Steel tape	19.62	0.01	17.20	421.30	MM
01-18-95	1319	E-tape	19.66	0.02	17.24	421.26	MM
02-16-95	0910	Steel tape	19.81	0.01	17.39	421.11	MM

AR102 GROUND-WATER OBSERVATION WELL (Continued)

Site ID: 645057147434902
Local Number: FC00100110BABA3 031

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
03-17-95	1017	E-tape	19.96	0.02	17.54	420.96	MM
04-10-95	1050	E-tape	19.88	0.02	17.46	421.04	PM
04-13-95	1430	E-tape	19.82	0.02	17.40	421.10	MM
05-16-95	1045	E-tape	17.92	0.02	15.50	423.00	MM
05-22-95	1003	Steel tape	18.40	0.01	15.98	422.52	PM


AR102 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR103 GROUND-WATER OBSERVATION WELL

Site ID: 645053147431501
Local Number: FC00100110ABAC1 032

All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	23.0	417.8
Depth from TOC to top of SI :	13.0	427.8
Depth from TOC to bottom of SI :	23.0	417.8
Land surface datum:		438.3

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

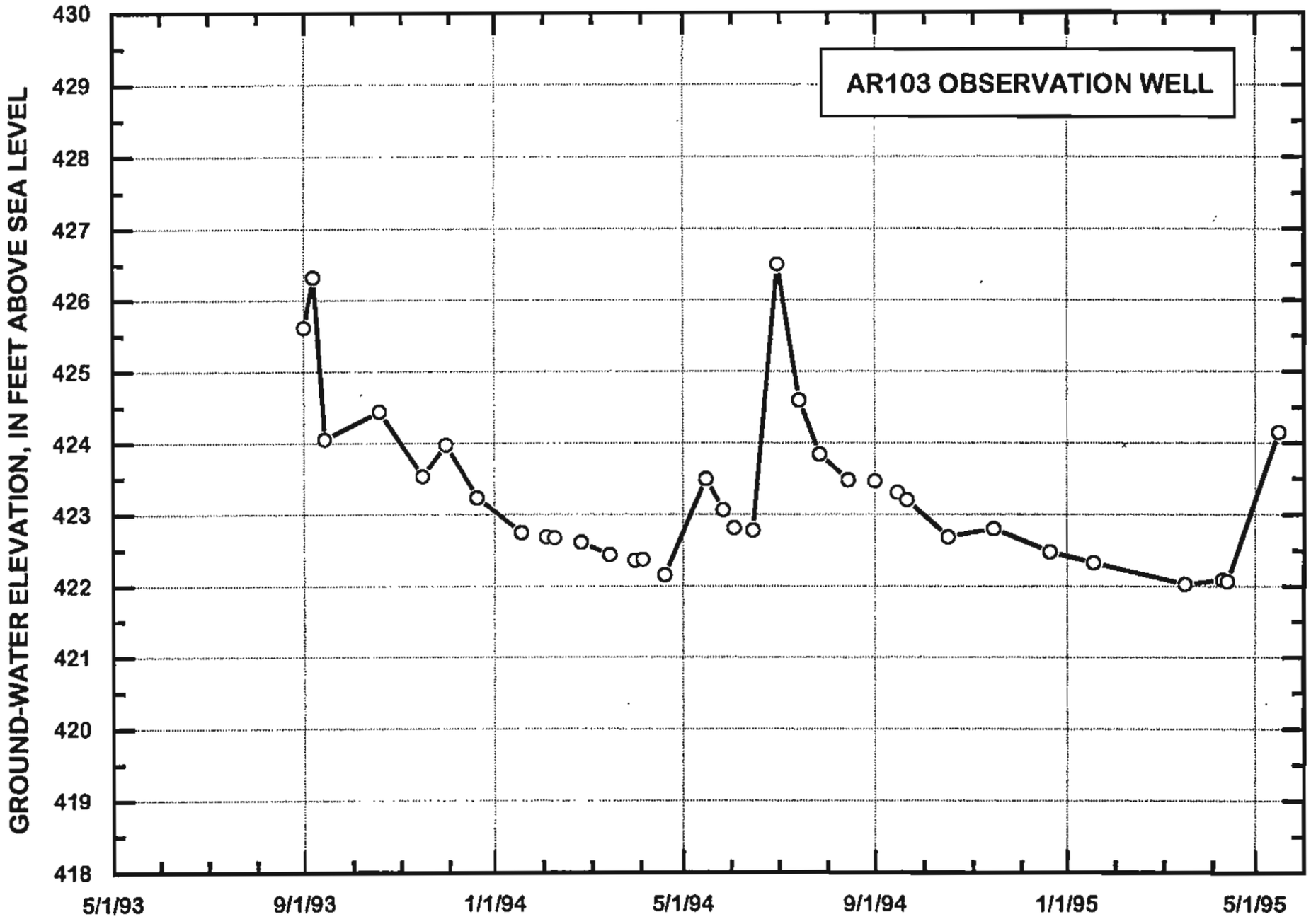
Date	MP Elevation (feet above sea level)
09-29-93	440.79

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
09-01-93	1147	E-tape	15.18	0.02	12.69	425.61	PM
09-07-93	1029	Steel tape	14.47	0.01	11.98	426.32	PM
09-14-93	1440	Steel tape	16.74	0.01	14.25	424.05	MM
10-19-93	1658	Steel tape	16.35	0.01	13.86	424.44	MM
11-16-93	1417	E-tape	17.26	0.02	14.77	423.53	MM
12-01-93	1620	E-tape	16.82	0.02	14.33	423.97	PM
12-21-93	1148	Steel tape	17.56	0.01	15.07	423.23	MM
01-18-94	1115	Steel tape	18.04	0.01	15.55	422.75	MM
02-03-94	0931	Steel tape	18.10	0.01	15.61	422.69	PM
02-08-94	1026	Steel tape	18.12	0.01	15.63	422.67	PM
02-25-94	1144	Steel tape	18.18	0.01	15.69	422.61	MM
03-15-94	1024	Steel tape	18.35	0.01	15.86	422.44	MM
03-31-94	1044	Steel tape	18.43	0.01	15.94	422.36	PM
04-05-94	1109	Steel tape	18.42	0.01	15.93	422.37	PM
04-19-94	1303	E-tape	18.63	0.03	16.14	422.16	MM
05-16-94	1055	Steel tape	17.30	0.01	14.81	423.49	MM
05-27-94	1050	Steel tape	17.73	0.01	15.24	423.06	PM
06-03-94	1543	Steel tape	17.98	0.01	15.49	422.81	PM

AR103 GROUND-WATER OBSERVATION WELL (Continued)

Site ID: 645053147431501
Local Number: FC00100110ABAC1 032

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
06-15-94	1505	Steel tape	18.01	0.01	15.52	422.78	MM
07-01-94	1450	Steel tape	14.29	0.01	11.80	426.50	PM
07-15-94	1533	Steel tape	16.19	0.01	13.70	424.60	MM
07-28-94	0848	Steel tape	16.95	0.01	14.46	423.84	PM
08-15-94	0948	Steel tape	17.31	0.01	14.82	423.48	MM
09-01-94	1706	Steel tape	17.33	0.01	14.84	423.46	PM
09-15-94	1436	Steel tape	17.49	0.01	15.00	423.30	MM
09-21-94	1547	Steel tape	17.59	0.01	15.10	423.20	PM
10-17-94	1427	Steel tape	18.10	0.01	15.61	422.69	MM
11-15-94	1341	E-tape	17.99	0.02	15.50	422.80	MM
12-21-94	1104	Steep tape	18.31	0.01	15.82	422.48	MM
01-18-95	1341	E-tape	18.46	0.02	15.97	422.33	MM
03-17-95	1033	E-tape	18.76	0.02	16.27	422.03	MM
04-10-95	1635	E-tape	18.70	0.02	16.21	422.09	PM
04-13-95	1421	E-tape	18.72	0.02	16.23	422.07	MM
05-16-95	1056	E-tape	16.64	0.02	14.15	424.15	MM


AR103 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR104 GROUND-WATER OBSERVATION WELL

Site ID: 645110147434501
Local Number: FC00100103CDAB1 033

All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	23.0	417.3
Depth from TOC to top of SI :	13.0	427.3
Depth from TOC to bottom of SI :	23.0	417.3
Land surface datum:		437.2

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

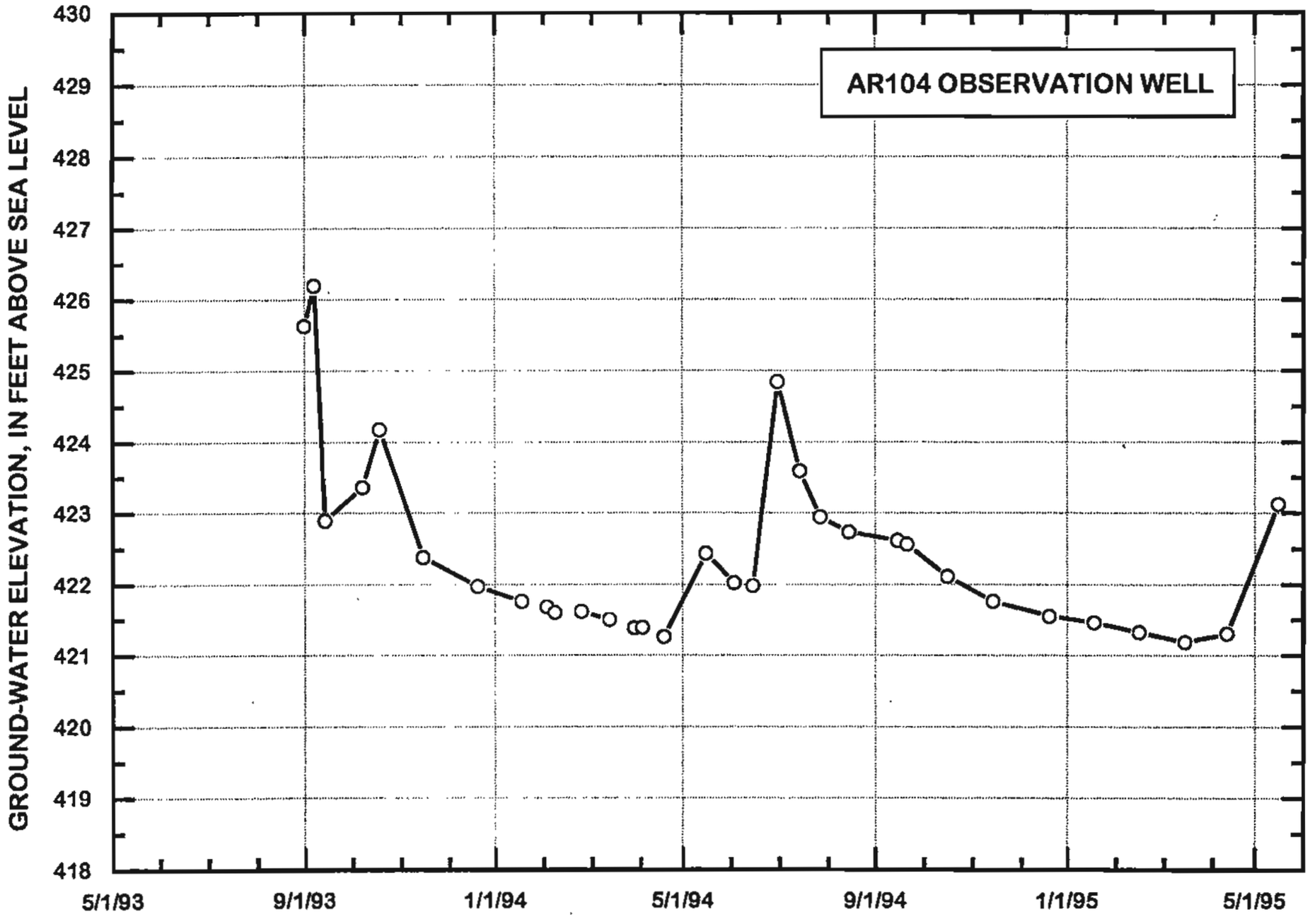
Date	MP Elevation (feet above sea level)
03-07-94	440.31

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
09-01-93	1125	E-tape	14.68	0.02	11.57	425.63	PM
09-07-93	1053	Steel tape	14.12	0.01	11.01	426.19	PM
09-14-93	1340	E-tape	17.42	0.02	14.31	422.89	MM
10-08-93	1523	E-tape	16.95	0.02	13.84	423.36	PM
10-19-93	1602	Steel tape	16.14	0.01	13.03	424.17	MM
11-16-93	1308	E-tape	17.93	0.02	14.82	422.38	MM
12-21-93	1228	Steel tape	18.34	0.01	15.23	421.97	MM
01-18-94	1141	Steel tape	18.55	0.01	15.44	421.76	MM
02-03-94	0942	Steel tape	18.63	0.01	15.52	421.68	PM
02-08-94	1037	Steel tape	18.71	0.01	15.60	421.60	PM
02-25-94	1230	Steel tape	18.70	0.01	15.59	421.61	MM
03-15-94	1044	Steel tape	18.81	0.01	15.70	421.50	MM
03-31-94	1036	Steel tape	18.93	0.01	15.82	421.38	PM
04-05-94	1215	Steel tape	18.92	0.01	15.81	421.39	PM
04-19-94	1400	E-tape	19.05	0.03	15.94	421.26	MM
05-16-94	1030	Steel tape	17.88	0.01	14.77	422.43	MM
06-03-94	1535	Steel tape	18.29	0.01	15.18	422.02	PM
06-15-94	1241	Steel tape	18.33	0.01	15.22	421.98	MM

AR104 GROUND-WATER OBSERVATION WELL (Continued)

Site ID: 645110147434501
Local Number: FC00100103CDAB1 033

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
07-01-94	1441	Steel tape	15.47	0.01	12.36	424.84	PM
07-15-94	1455	Steel tape	16.72	0.01	13.61	423.59	MM
07-28-94	1136	Steel tape	17.37	0.01	14.26	422.94	PM
08-15-94	1127	Steel tape	17.58	0.01	14.47	422.73	MM
09-15-94	1350	Steel tape	17.70	0.01	14.59	422.61	MM
09-21-94	1438	Steel tape	17.75	0.01	14.64	422.56	PM
10-17-94	1557	Steel tape	18.20	0.01	15.09	422.11	MM
11-15-94	1330	Steel tape	18.55	0.01	15.44	421.76	MM
12-21-94	1050	Steel tape	18.76	0.01	15.65	421.55	MM
01-18-95	1258	E-tape	18.85	0.02	15.74	421.46	MM
02-16-95	0943	Steel tape	18.99	0.01	15.88	421.32	MM
03-17-95	0955	E-tape	19.13	0.02	16.02	421.18	MM
04-13-95	1407	E-tape	19.01	0.02	15.90	421.30	MM
05-16-95	1101	E-tape	17.19	0.02	14.08	423.12	MM


AR104 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR105 GROUND-WATER OBSERVATION WELL

Site ID: 645055147433501
Local Number: FC00100110BAAD1 033

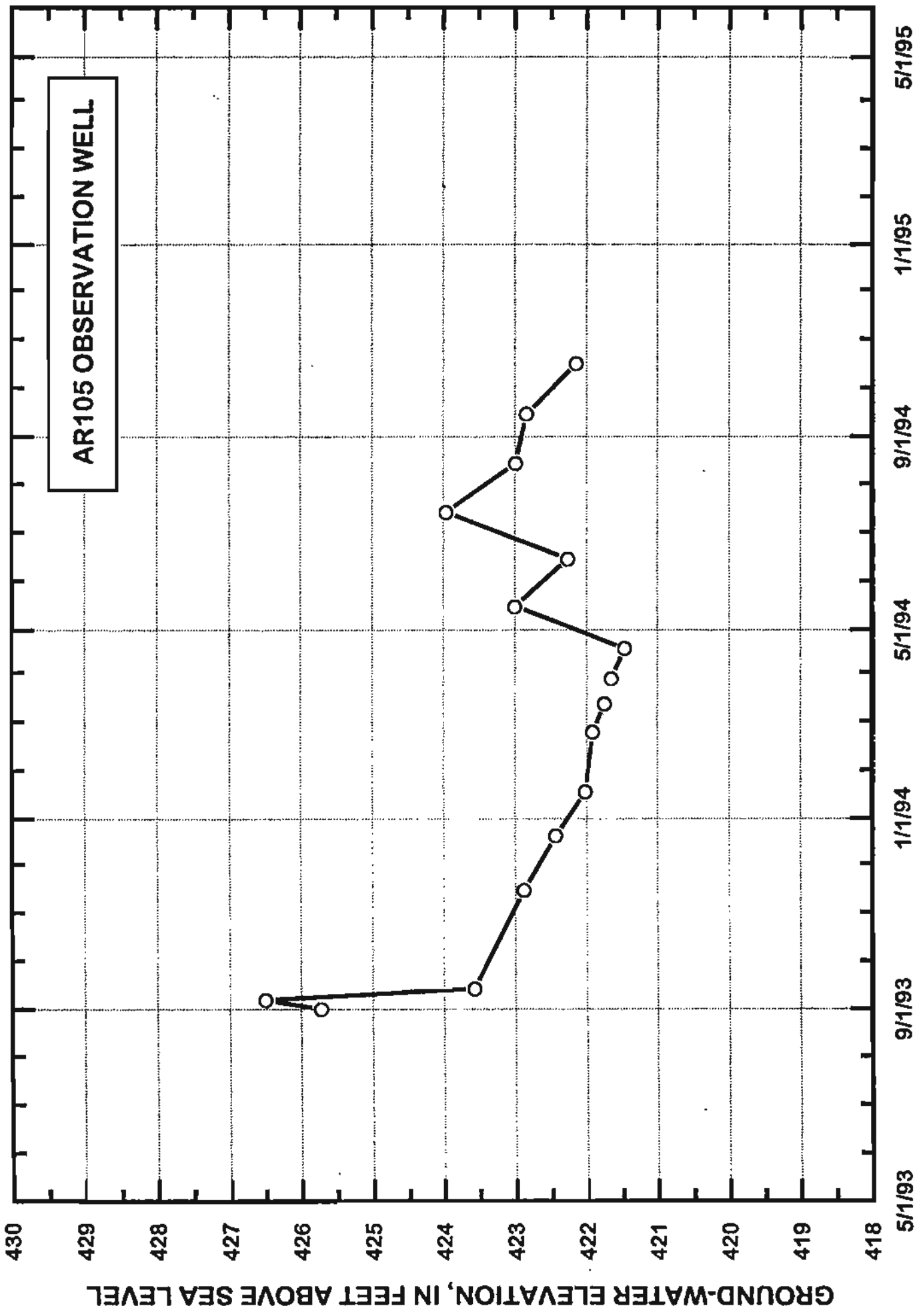
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	23.0	418.5
Depth from TOC to top of SI :	13.0	428.5
Depth from TOC to bottom of SI :	23.0	418.5
Land surface datum:		438.2

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
09-29-93	441.49

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
09-01-93	1434	E-tape	15.77	0.02	12.48	425.72	PM
09-07-93	1001	Steel tape	14.99	0.01	11.70	426.50	PM
09-14-93	1430	E-tape	17.92	0.02	14.63	423.57	MM
11-16-93	1410	E-tape	18.61	0.02	15.32	422.88	MM
12-21-93	1142	Steel tape	19.05	0.01	15.76	422.44	MM
01-18-94	1057	Steel tape	19.47	0.01	16.18	422.02	MM
02-25-94	1137	Steel tape	19.58	0.01	16.29	421.91	MM
03-15-94	1017	Steel tape	19.74	0.01	16.45	421.75	MM
03-31-94	1016	Steel tape	19.84	0.01	16.55	421.65	PM
04-19-94	1118	E-tape	20.03	0.03	16.74	421.46	MM
05-16-94	1000	Steel tape	18.49	0.01	15.20	423.00	MM
06-15-94	1455	Steel tape	19.22	0.01	15.93	422.27	MM
07-15-94	1528	Steel tape	17.53	0.01	14.24	423.96	MM
08-15-94	0953	Steel tape	18.50	0.01	15.21	422.99	MM
09-15-94	1433	Steel tape	18.65	0.01	15.36	422.84	MM
10-17-94	1422	Steel tape	19.34	0.01	16.05	422.15	MM


AR105 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR106 GROUND-WATER OBSERVATION WELL

Site ID: 645104147435601
Local Number: FC00100103CDCB 035

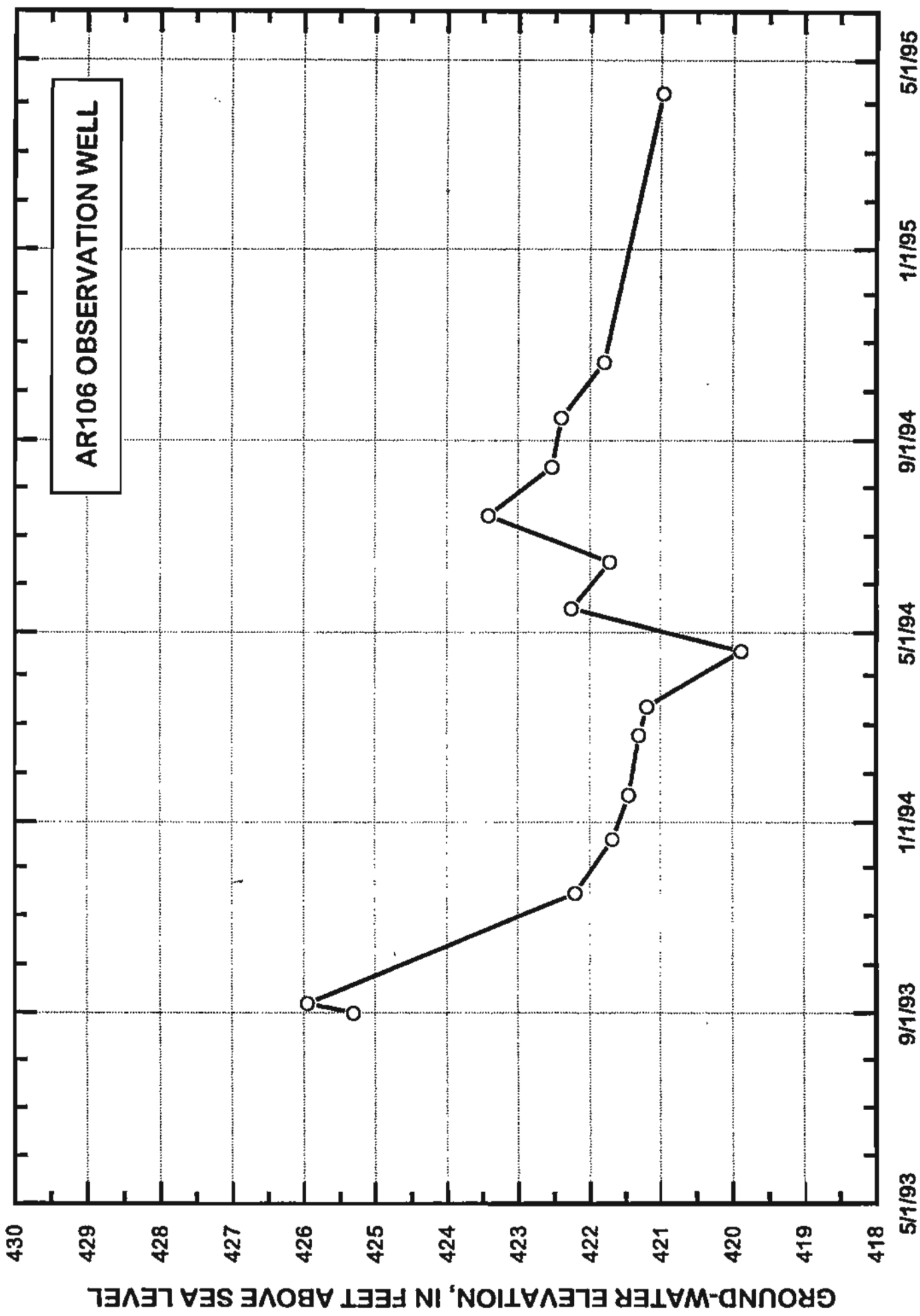
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	23.0	415.7
Depth from TOC to top of SI :	13.0	425.7
Depth from TOC to bottom of SI :	23.0	415.7
Land surface datum:		435.7

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
05-06-94	438.74

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
09-01-93	1423	E-tape	13.44	0.02	10.40	425.30	PM
09-07-93	1450	Steel tape	12.79	0.01	9.75	425.95	PM
11-16-93	1316	E-tape	16.53	0.02	13.49	422.21	MM
12-21-93	1204	Steel tape	17.06	0.01	14.02	421.68	MM
01-18-94	1147	Steel tape	17.29	0.01	14.25	421.45	MM
02-25-94	1240	Steel tape	17.44	0.01	14.40	421.30	MM
03-15-94	1051	Steel tape	17.55	0.01	14.51	421.19	MM
04-19-94	1420	E-tape	18.86	0.03	15.82	419.88	MM
05-16-94	1012	Steel tape	16.48	0.01	13.44	422.26	MM
06-15-94	1236	Steel tape	17.02	0.01	13.98	421.72	MM
07-15-94	1439	Steel tape	15.33	0.01	12.29	423.41	MM
08-15-94	1107	Steel tape	16.21	0.01	13.17	422.53	MM
09-15-94	1359	Steel tape	16.34	0.01	13.30	422.40	MM
10-20-94	1235	Steel tape	16.94	0.01	13.90	421.80	MM
04-10-95	1719	E-tape	17.77	0.02	14.73	420.97	MM


AR106 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR107 GROUND-WATER OBSERVATION WELL

Site ID: 645056147442901
Local Number: FC00100110BBBB1 034

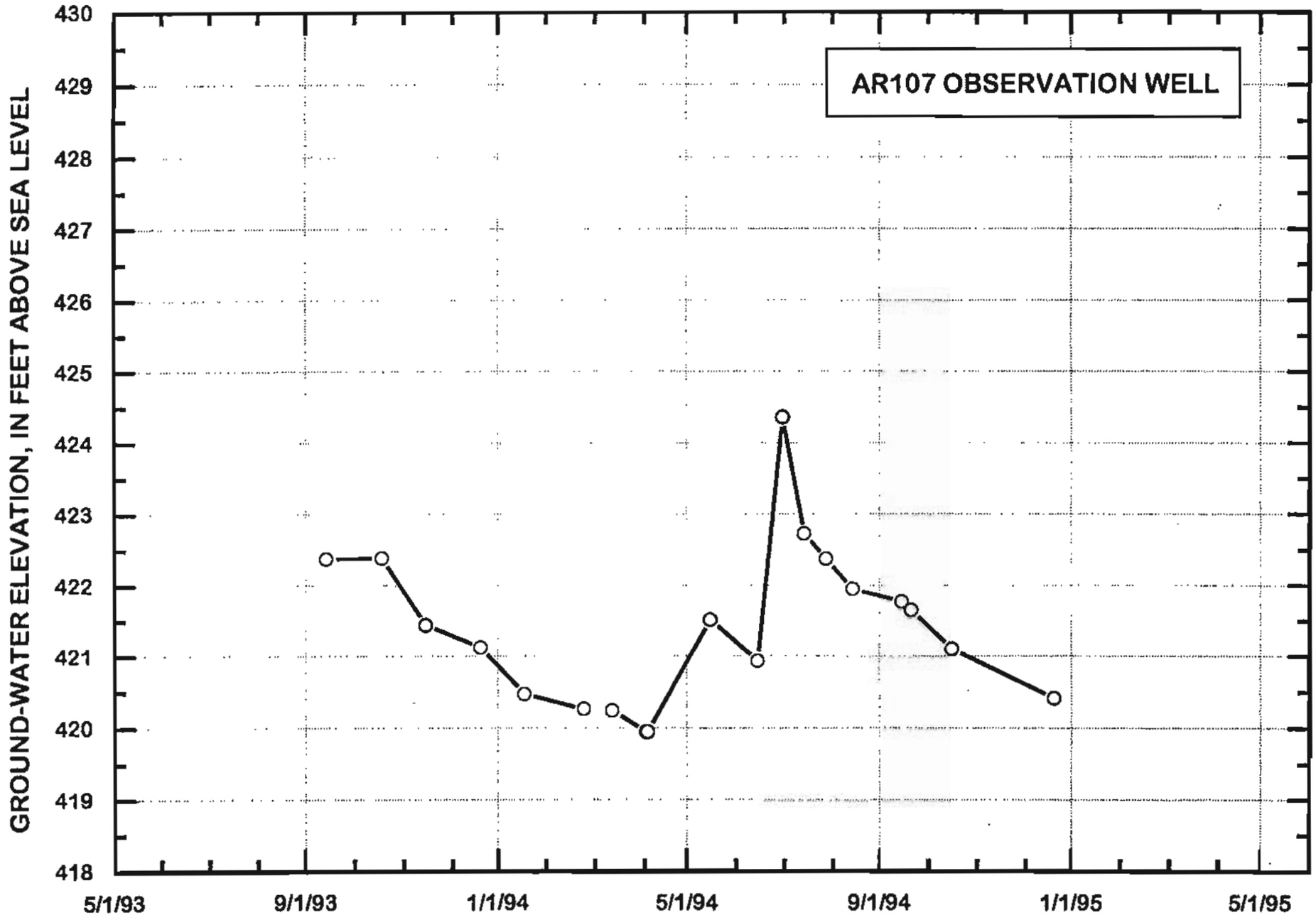
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	22.5	416.2
Depth from TOC to top of SI :	20.0	418.7
Depth from TOC to bottom of SI :	22.5	416.2
Land surface datum:		436.7

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
09-29-93	438.74

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
09-14-93	1440	E-tape	16.37	0.02	14.33	422.37	MM
10-19-93	1707	Steel tape	16.35	0.01	14.31	422.39	MM
11-16-93	1451	E-tape	17.30	0.02	15.26	421.44	MM
12-21-93	1300	Steel tape	17.62	0.01	15.58	421.12	MM
01-18-94	1400	Steel tape	18.27	0.01	16.23	420.47	MM
02-25-94	1340	Steel tape	18.48	0.01	16.44	420.26	MM
03-15-94	1334	Steel tape	18.50	0.01	16.46	420.24	MM
04-05-94	1145	Steel tape	18.79	0.01	16.75	419.95	PM
04-06-94	1345	Steel tape	18.79	0.01	16.75	419.95	PM
05-16-94	0915	Steel tape	17.23	0.01	15.19	421.51	MM
06-15-94	1200	Steel tape	17.81	0.01	15.77	420.93	MM
07-01-94	1500	Steel tape	14.38	0.01	12.34	424.36	PM
07-15-94	1535	Steel tape	16.02	0.01	13.98	422.72	MM
07-29-94	1106	Steel tape	16.37	0.01	14.33	422.37	PM
08-15-94	1018	Steel tape	16.79	0.01	14.75	421.95	MM
09-15-94	1447	Steel tape	16.97	0.01	14.93	421.77	MM
09-21-94	1612	Steel tape	17.09	0.01	15.05	421.65	PM
10-17-94	1352	Steel tape	17.64	0.01	15.60	421.10	MM
12-21-94	1157	Steel tape	18.33	0.01	16.29	420.41	MM


AR107 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR108 GROUND-WATER OBSERVATION WELL

Site ID: 645103147434001
Local Number: FC00100103CDDB1 036

All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	22.5	415.9
Depth from TOC to top of SI :	20.0	418.4
Depth from TOC to bottom of SI :	22.5	415.9
Land surface datum:		436.4

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

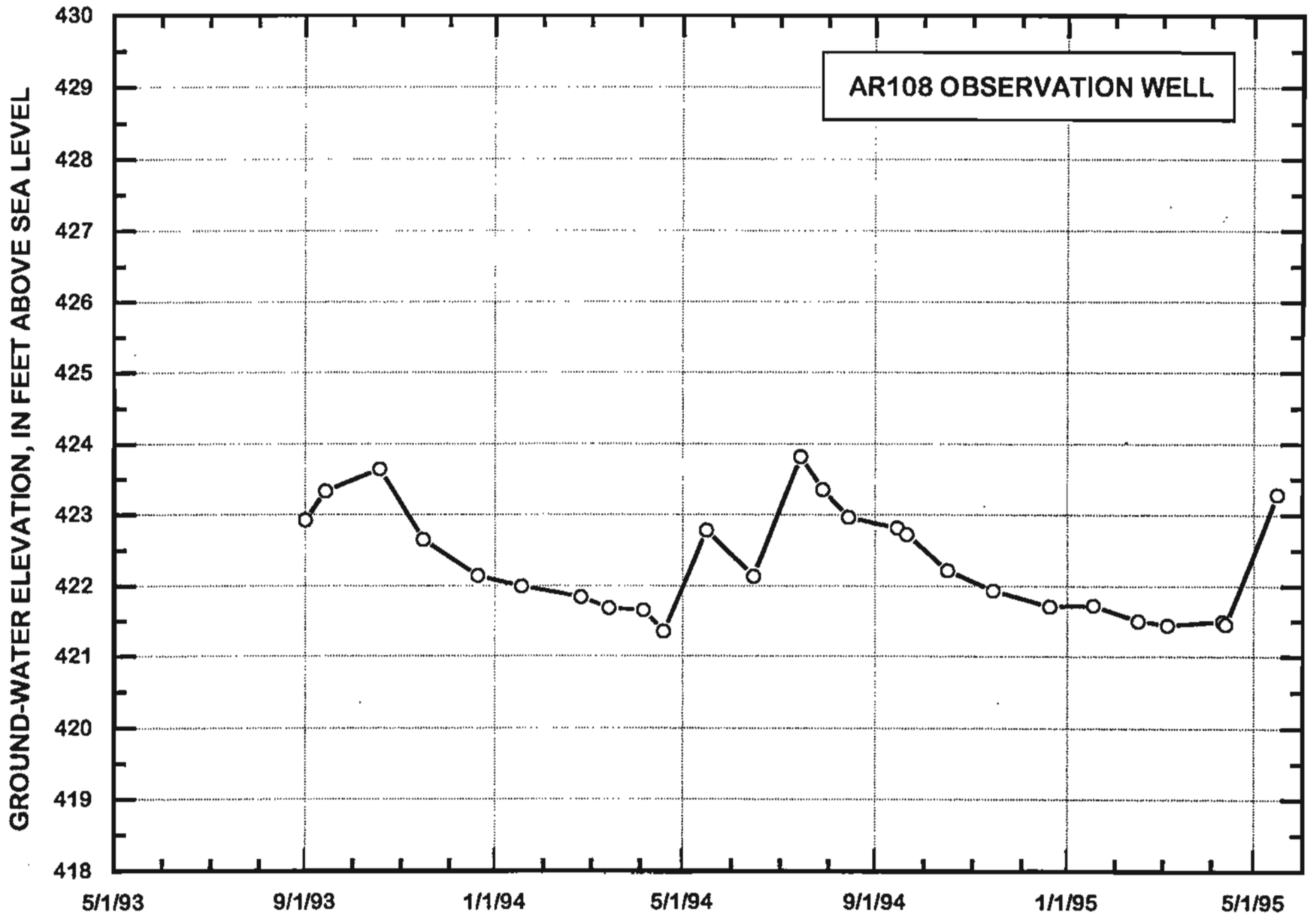
Date	MP Elevation (feet above sea level)
05-06-94	438.40

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
09-01-93	1055	Steel tape	15.48	0.01	13.48	422.92	PM
09-14-93	1350	Steel tape	15.07	0.01	13.07	423.33	MM
10-19-93	1603	Steel tape	14.76	0.01	12.76	423.64	MM
11-16-93	1240	E-tape	15.75	0.02	13.75	422.65	MM
12-21-93	1158	E-tape	16.26	0.02	14.26	422.14	MM
01-18-94	1201	Steel tape	16.41	0.01	14.41	421.99	MM
02-25-94	1247	Steel tape	16.56	0.01	14.56	421.84	MM
03-15-94	1058	Steel tape	16.72	0.01	14.72	421.68	MM
04-06-94	0939	Steel tape	16.75	0.01	14.75	421.65	PM
04-19-94	1426	E-tape	17.05	0.03	15.05	421.35	MM
05-16-94	1007	Steel tape	15.62	0.01	13.62	422.78	MM
06-15-94	1215	Steel tape	16.26	0.01	14.26	422.14	MM
07-15-94	1435	Steel tape	14.58	0.01	12.58	423.82	MM
07-29-94	1144	Steel tape	15.05	0.01	13.05	423.35	PM
08-15-94	1121	Steel tape	15.44	0.01	13.44	422.96	MM
09-15-94	1356	Steel tape	15.59	0.01	13.59	422.81	MM
09-21-94	1503	Steel tape	15.68	0.01	13.68	422.72	PM
10-17-94	1603	Steel tape	16.18	0.01	14.18	422.22	MM

AR108 GROUND-WATER OBSERVATION WELL (Continued)

Site ID: 645103147434001
Local Number: FC00100103CDDB1 036

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
11-15-94	1336	Steel tape	16.47	0.01	14.47	421.93	MM
12-21-94	1057	Steel tape	16.69	0.01	14.69	421.71	MM
01-18-95	1305	E-tape	16.68	0.02	14.68	421.72	MM
02-16-95	0937	Steel tape	16.90	0.01	14.90	421.50	MM
03-07-95	1006	E-tape	16.96	0.02	14.96	421.44	MM
04-11-95	1706	E-tape	16.91	0.02	14.91	421.49	PM
04-13-95	1401	E-tape	16.95	0.02	14.95	421.45	MM
05-16-95	1106	Steel tape	15.12	0.01	13.12	423.28	MM


AR108 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR109 GROUND-WATER OBSERVATION WELL

Site ID: 645115147431901
Local Number: FC00100103DBCA1

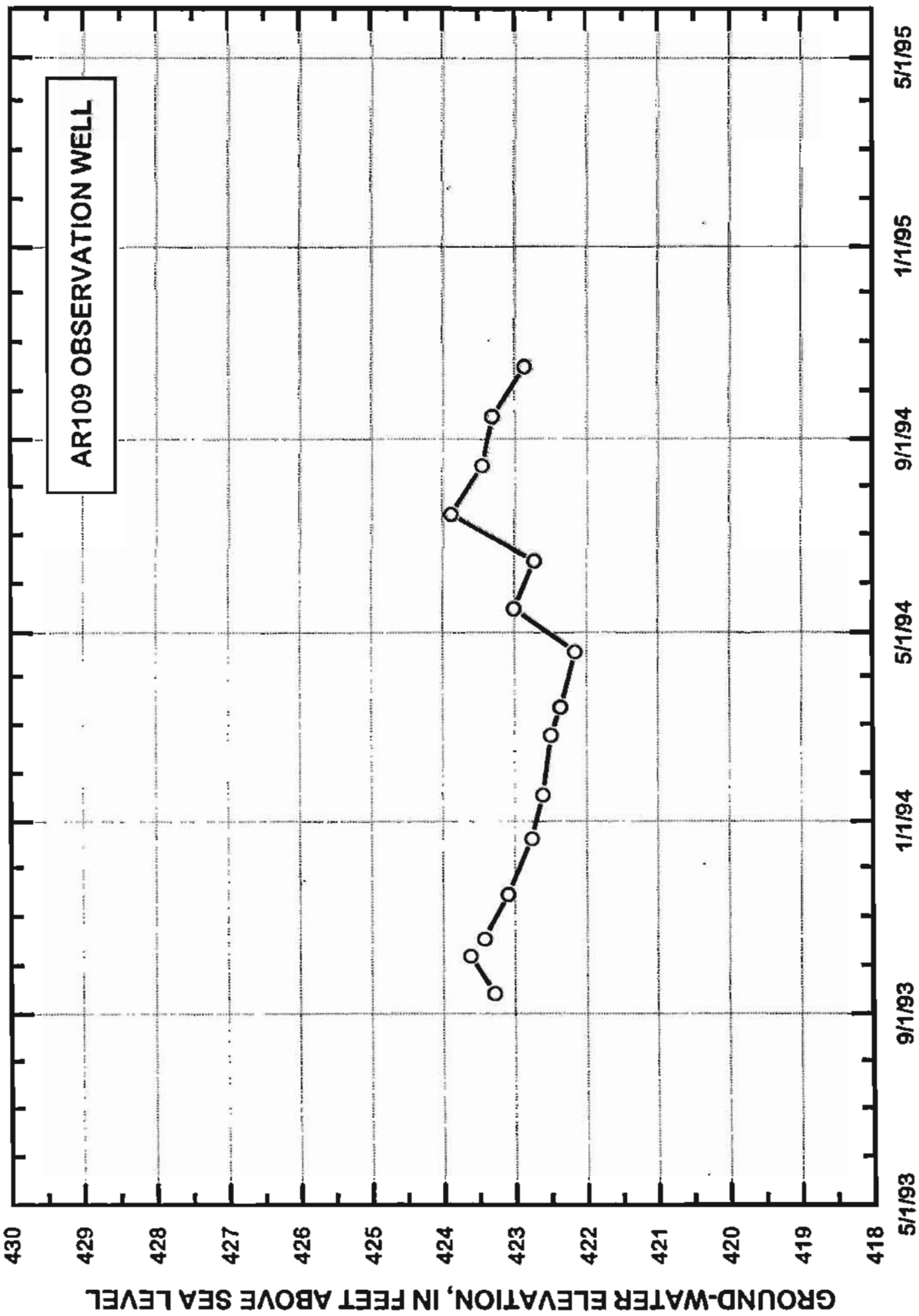
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	22.5	419.4
Depth from TOC to top of SI :	20.0	421.9
Depth from TOC to bottom of SI :	22.5	419.4
Land surface datum:		440.1

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
03-07-94	441.94

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
09-14-93	1341	Steel tape	18.66	0.01	16.82	423.28	MM
10-08-93	1517	E-tape	18.33	0.02	16.49	423.61	PM
10-19-93	1559	Steel tape	18.52	0.01	16.68	423.42	MM
11-16-93	1300	E-tape	18.85	0.02	17.01	423.09	MM
12-21-93	1223	Steel tape	19.18	0.01	17.34	422.76	MM
01-18-94	1130	Steel tape	19.34	0.01	17.50	422.60	MM
02-25-94	1222	Steel tape	19.45	0.01	17.61	422.49	MM
03-15-94	1039	Steel tape	19.58	0.01	17.74	422.36	MM
04-19-94	1352	E-tape	19.78	0.03	17.94	422.16	MM
05-16-94	2233	Steel tape	18.94	0.01	17.10	423.00	MM
06-15-94	1248	Steel tape	19.22	0.01	17.38	422.72	MM
07-15-94	1455	Steel tape	18.07	0.01	16.23	423.87	MM
08-15-94	1132	Steel tape	18.51	0.01	16.67	423.43	MM
09-15-94	1345	Steel tape	18.65	0.01	16.81	423.29	MM
10-17-94	1550	Steel tape	19.09	0.01	17.25	422.85	MM


AR109 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR110 GROUND-WATER OBSERVATION WELL

Site ID: 645119147425901
Local Number: FC00100103DABC1

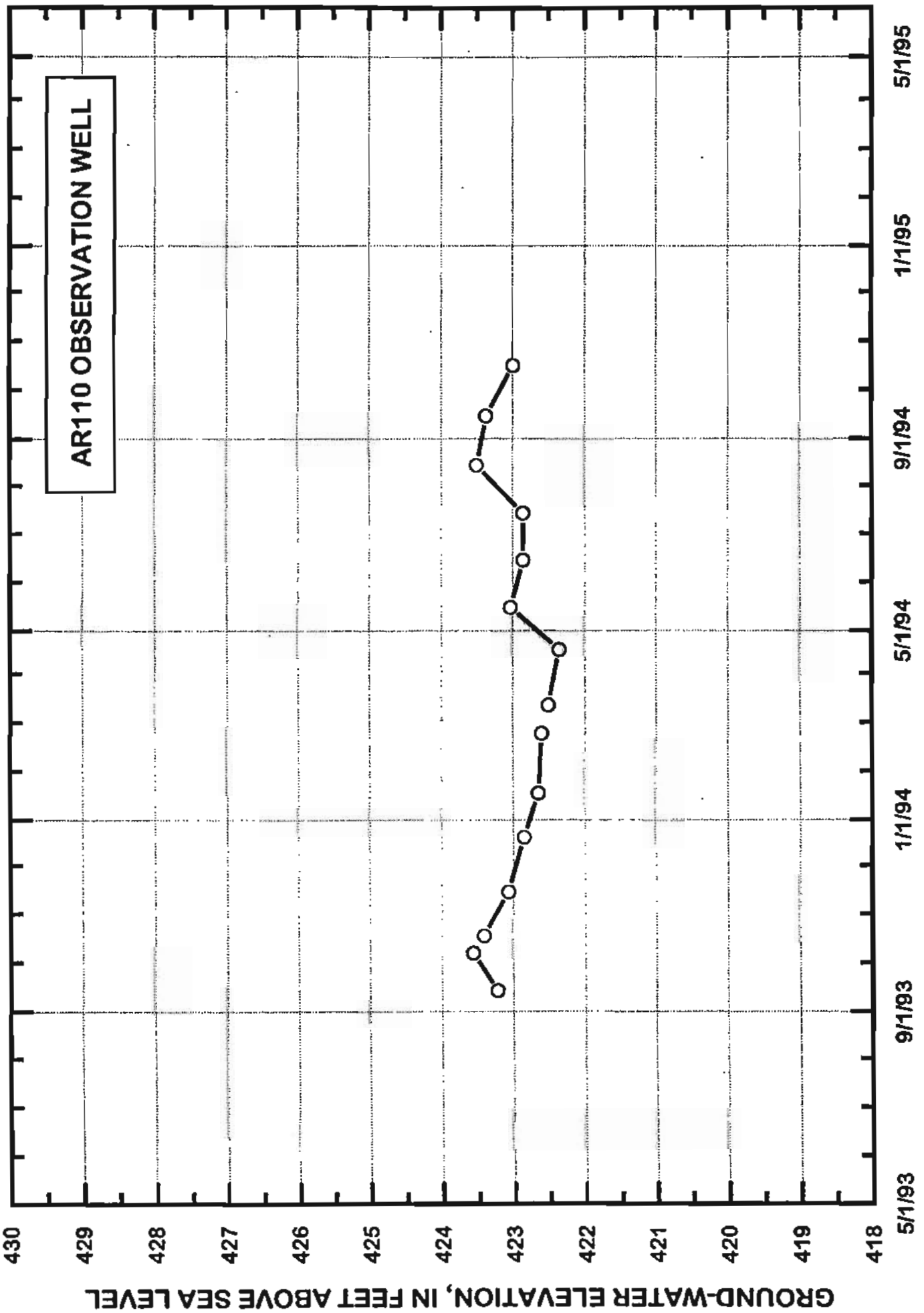
All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	22.5	414.1
Depth from TOC to top of SI :	20.0	416.6
Depth from TOC to bottom of SI :	22.5	414.1
Land surface datum:		434.6

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
03-07-94	436.62

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
09-14-93	1345	Steel tape	13.40	0.01	11.38	423.22	MM
10-08-93	1512	E-tape	13.05	0.02	11.03	423.57	PM
10-19-93	1553	Steel tape	13.20	0.01	11.18	423.42	PM
11-16-93	1252	E-tape	13.55	0.02	11.53	423.07	MM
12-21-93	1218	Steel tape	13.77	0.01	11.75	422.85	MM
01-18-94	1125	Steel tape	13.97	0.01	11.95	422.65	MM
02-25-94	1215	Steel tape	14.02	0.01	12.00	422.60	MM
03-15-94	1033	Steel tape	14.11	0.01	12.09	422.51	MM
04-19-94	1342	E-tape	14.27	0.03	12.25	422.35	MM
05-16-94	1017	Steel tape	13.59	0.01	11.57	423.03	MM
06-15-94	1248	Steel tape	13.77	0.01	11.75	422.85	MM
07-15-94	1445	Steel tape	13.76	0.01	11.74	422.86	MM
08-15-94	1137	Steel tape	13.11	0.01	11.09	423.51	MM
09-15-94	1342	Steel tape	13.25	0.01	11.23	423.37	MM
10-17-94	1540	Steel tape	13.63	0.01	11.61	422.99	MM


AR110 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

AR111 GROUND-WATER OBSERVATION WELL

Site ID: 645057147434802
Local Number: FC00100110BABA4

All measurements in feet	Feet	Elevation
Depth to bottom of well from MP :	86.2	355.0
Depth from TOC to top of SI :	81.2	360.0
Depth from TOC to bottom of SI :	86.2	355.0
Land surface datum:		439.0

LS, land surface
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
SI, screened interval
TOC, top of casing
WS, water surface

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)
09-28-93	441.16
02-24-95	441.16

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
09-14-93	1414	E-tape	17.86	0.02	15.70	423.30	MM
09-28-93	1354	E-tape	16.81	0.02	14.65	424.35	PM
09-30-93	1150	E-tape	17.10	0.02	14.94	424.06	PM
10-19-93	1641	E-tape	17.53	0.02	15.37	423.63	MM
11-16-93	1340	E-tape	18.61	0.02	16.45	422.55	MM
12-01-93	1600	E-tape	18.41	0.02	16.25	422.75	PM
12-21-93	1140	E-tape	19.25	0.02	17.09	421.91	MM
01-18-94	1043	Steel tape	19.47	0.01	17.31	421.69	MM
02-03-94	0928	Steel tape	19.49	0.01	17.33	421.67	PM
02-08-94	1015	Steel tape	19.57	0.01	17.41	421.59	PM
02-25-94	1125	Steel tape	19.58	0.01	17.42	421.58	MM
03-15-94	1010	Steel tape	19.71	0.01	17.55	421.45	MM
03-31-94	1014	Steel tape	19.86	0.01	17.70	421.30	PM
04-19-94	1100	E-tape	20.02	0.03	17.86	421.14	MM
04-28-94	1159	Steel tape	18.70	0.01	16.54	422.46	PM
05-13-94	1017	Steel tape	18.60	0.01	16.44	422.56	PM
05-16-94	0930	Steel tape	18.42	0.01	16.26	422.74	MM
05-27-94	1043	Steel tape	18.85	0.01	16.69	422.31	PM

AR111 GROUND-WATER OBSERVATION WELL (Continued)

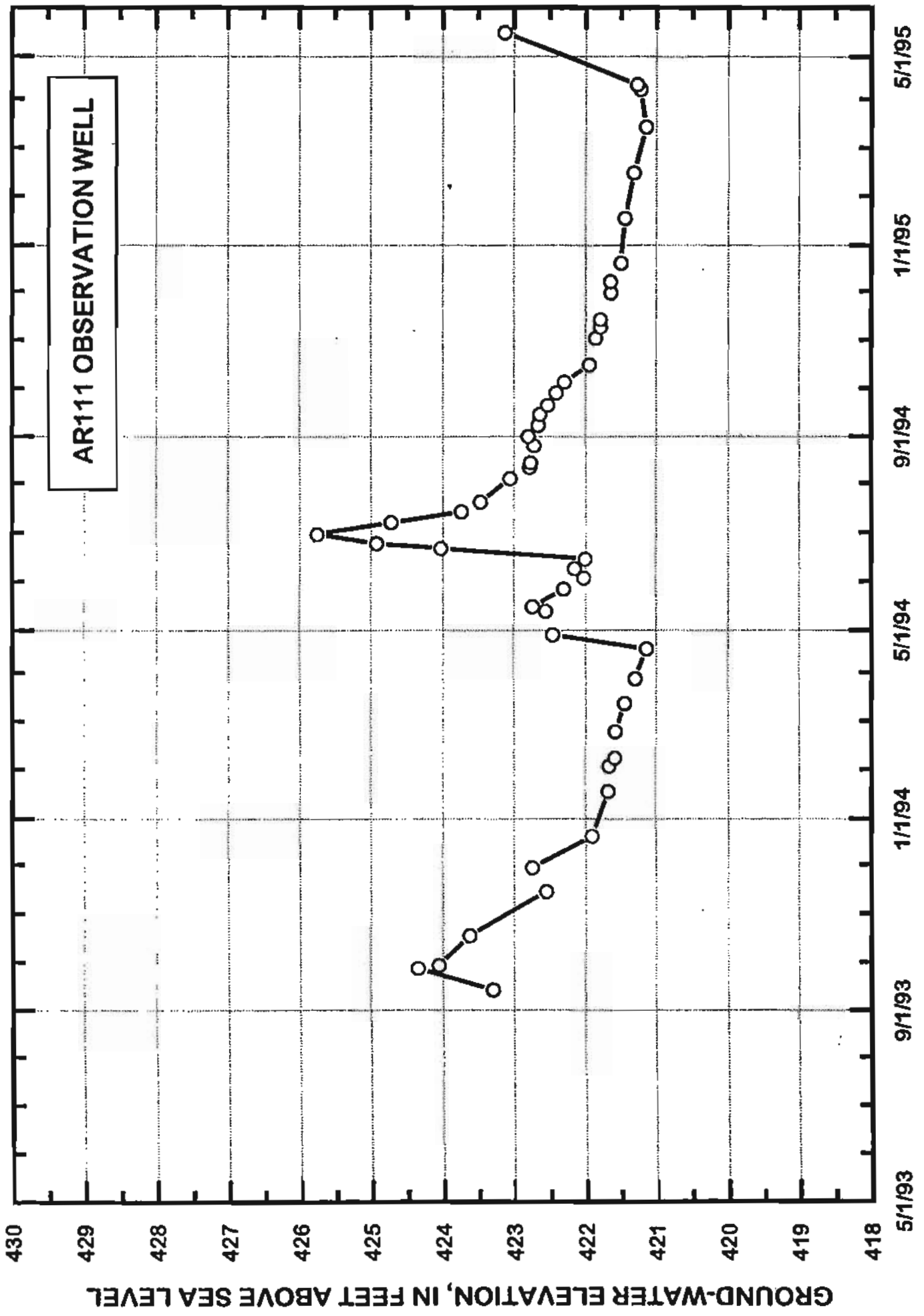
Site ID: 645057147434802
Local Number: FC00100110BABA4

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
06-03-94	1518	Steel tape	19.13	0.01	16.97	422.03	PM
06-09-94	1432	Steel tape	19.00	0.01	16.84	422.16	PM
06-15-94	1213	Steel tape	19.15	0.01	16.99	422.01	MM
06-22-94	1350	Steel tape	17.13	0.01	14.97	424.03	PM
06-25-94	1241	Steel tape	16.24	0.01	14.08	424.92	PM
07-01-94	1515	Steel tape	15.40	0.01	13.24	425.76	PM
07-08-94	1635	Steel tape	16.44	0.01	14.28	424.72	PM
07-15-94	1519	Steel tape	17.42	0.01	15.26	423.74	MM
07-21-94	1655	Steel tape	17.69	0.01	15.53	423.47	PM
08-05-94	1315	Steel tape	18.11	0.01	15.95	423.05	PM
08-12-94	1303	Steel tape	18.38	0.01	16.22	422.78	PM
08-15-94	1009	Steel tape	18.39	0.01	16.23	422.77	MM
08-26-94	1156	Steel tape	18.44	0.01	16.28	422.72	PM
09-01-94	1635	Steel tape	18.36	0.01	16.20	422.80	PM
09-08-94	1553	Steel tape	18.50	0.01	16.34	422.66	PM
09-15-94	1428	Steel tape	18.52	0.01	16.36	422.64	MM
09-21-94	1026	Steel tape	18.63	0.01	16.47	422.53	PM
09-29-94	1246	Steel tape	18.75	0.01	16.59	422.41	PM
10-06-94	1459	Steel tape	18.86	0.01	16.70	422.30	PM
10-17-94	1413	Steel tape	19.21	0.01	17.05	421.95	MM
11-03-94	1213	Steel tape	19.30	0.01	17.14	421.86	PM
11-10-94	1316	Steel tape	19.37	0.01	17.21	421.79	PM
11-15-94	1353	E-tape	19.37	0.02	17.21	421.79	MM
12-02-94	1343	E-tape	19.52	0.02	17.36	421.64	PM
12-09-94	1407	E-tape	19.51	0.02	17.35	421.65	PM
12-21-94	1136	Steel tape	19.66	0.01	17.50	421.50	MM
01-18-95	1323	E-tape	19.72	0.02	17.56	421.44	MM
02-16-95	0915	Steel tape	19.85	0.01	17.69	421.31	MM
03-17-95	1021	E-tape	20.02	0.02	17.86	421.14	MM
04-10-95	1053	E-tape	19.94	0.02	17.78	421.22	PM

AR111 GROUND-WATER OBSERVATION WELL (Continued)

Site ID: 645057147434802
Local Number: FC00100110BABA4

Date	Time	Method	MP to WS	Error	LS to WS	WS elevation	Remarks
04-13-95	1430	E-tape	19.89	0.02	17.73	421.27	MM
05-16-95	1048	E-tape	18.03	0.02	15.87	423.13	MM
05-22-95	1007	Steel tape	18.49	0.01	16.33	422.67	PM


AR111 OBSERVATION WELL
GROUND-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

PD1 REBAR SITE
Gravel pit behind Railroad Industrial Area

Site ID: 645107147453700
Local Number: FC00100104

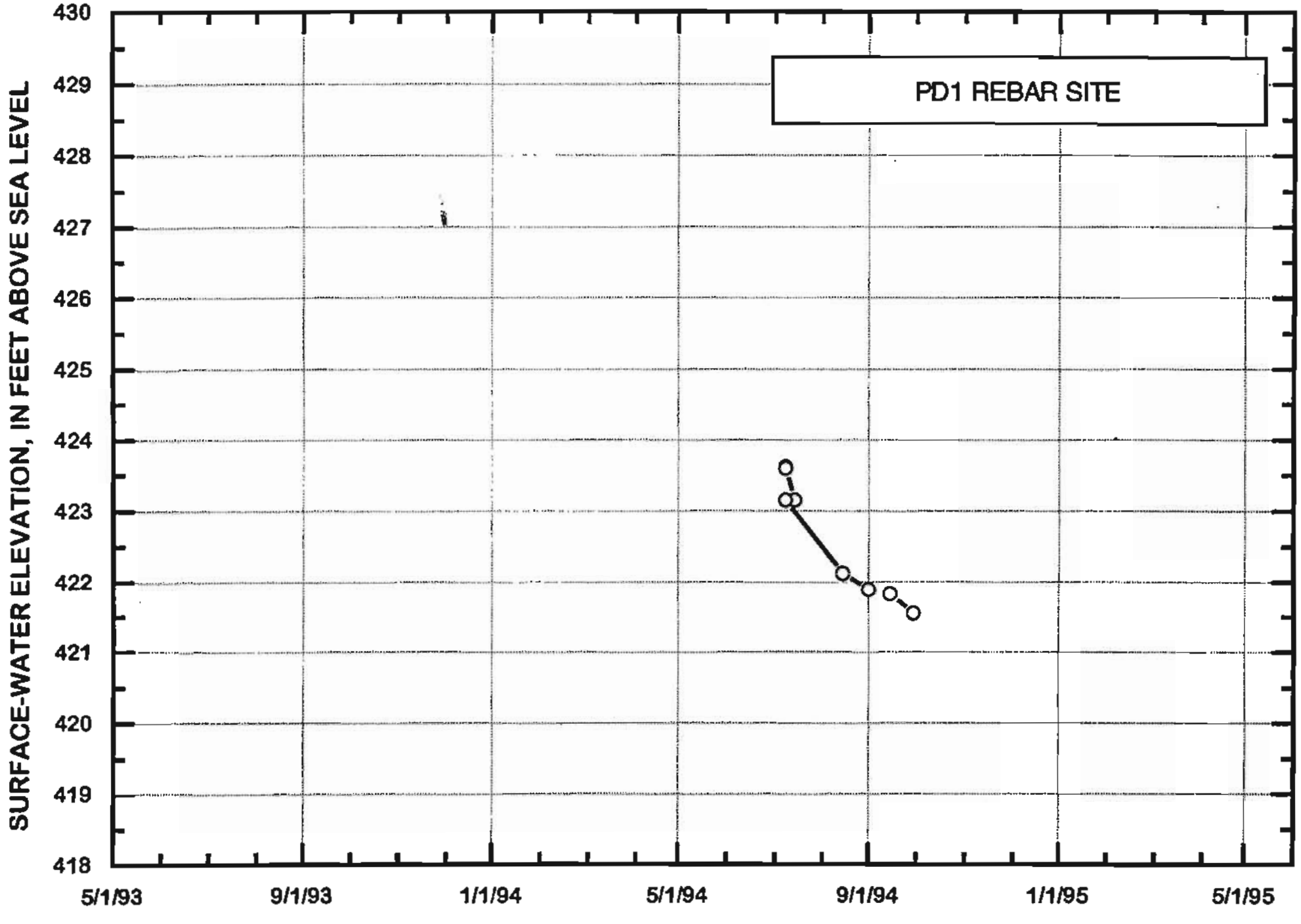
All measurements in feet

Datum corrections, reference survey notes in site folders

Date	MP Elevation (feet above sea level)	
07-09-94	422.35	RB2
07-09-94	423.48	RB3

MM, mass measurement
MP, measuring point
NA, not available
RB, rebar
WS, water surface

Date	Time	Method	MP to WS	Error	WS elevation	Remarks
05-23-94	1608	Folding tape	0.59	0.01	NA	RB1
06-09-94	1420	Folding tape	0.21	0.01	NA	RB1
06-15-94	1150	Folding tape	0.23	0.01	NA	MM, RB1
06-22-94	1400	Folding tape	0.62	0.01	NA	RB1
07-09-94	1300	Folding tape	1.26	0.01	423.61	RB2
07-09-94	1300	Folding tape	0.11	0.01	423.59	RB3
07-15-94	1525	Folding tape	0.80	0.01	423.15	RB2
07-09-94	1525	Folding tape	-0.33	0.01	423.15	RB3
08-15-94	1031	Folding tape	-0.22	0.01	422.13	RB2
09-01-94	1647	Folding tape	-0.46	0.01	421.89	RB2
09-15-94	1459	Folding tape	-0.52	0.01	421.83	RB2
09-30-94	1415	Folding tape	-0.80	0.01	421.55	RB2


PD1 REBAR SITE
SURFACE-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

Chena River at Cushman Street at Fairbanks

Site ID: 15514002
Local Number: FC00100110A

All measurements in feet
Datum corrections, reference survey notes in site folders

Land Surface Datum: 415.00

est., estimated
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
WS, water surface

Date	MP Elevation (feet above sea level)
06-09-93	440.90
05-12-94	444.41

Date	Time	Method	MP to WS	Error	WS elevation	Remarks
05-07-93	1235	Steel tape	14.30	0.01	426.60	PM
07-01-93	1455	Steel tape	17.37	0.01	423.53	PM
07-17-93	1643	Steel tape	17.22	0.01	423.68	MM
07-21-93	1515	Steel tape	17.19	0.01	423.71	PM
08-05-93	1719	Steel tape	18.45	0.01	422.45	PM
08-11-93	1523	Steel tape	16.70	0.01	424.20	PM
08-16-93	1859	Steel tape	17.40	0.05	423.50	MM
09-08-93	1500	Steel tape	16.79	0.01	424.11	PM
09-14-93	1540	Steel tape	17.22	0.01	423.68	MM
11-04-93	1430	Steel tape	17.90	0.05	423.00	Ice directly below MP
12-02-93	1440	Steel tape	16.55	0.05	424.35	Ice directly below MP
12-21-93	1030	Steel tape	18.29	0.05	422.61	MM
01-19-94	1450	Steel tape	22.41	0.02	422.00	MM, est. MP on railing
02-08-94	1730	Steel tape	18.63	0.05	422.27	PM
02-22-94	1505	Steel tape	22.31	0.05	422.10	MM
03-15-94	1440	Steel tape	22.55	0.05	421.86	MM
04-19-94	1435	NA	NA	NA	NA	Ice below MP
04-28-94	1205	Steel tape	18.85	0.02	422.05	PM
05-10-94	1415	Steel tape	17.71	0.05	423.19	PM
05-13-94	1030	Steel tape	21.32	0.02	423.09	PM
05-16-94	1500	Steel tape	21.49	0.02	422.92	MM
05-20-94	1255	Steel tape	21.30	0.02	423.11	PM

Chena River at Cushman Street at Fairbanks (Continued) Site ID: 15514002

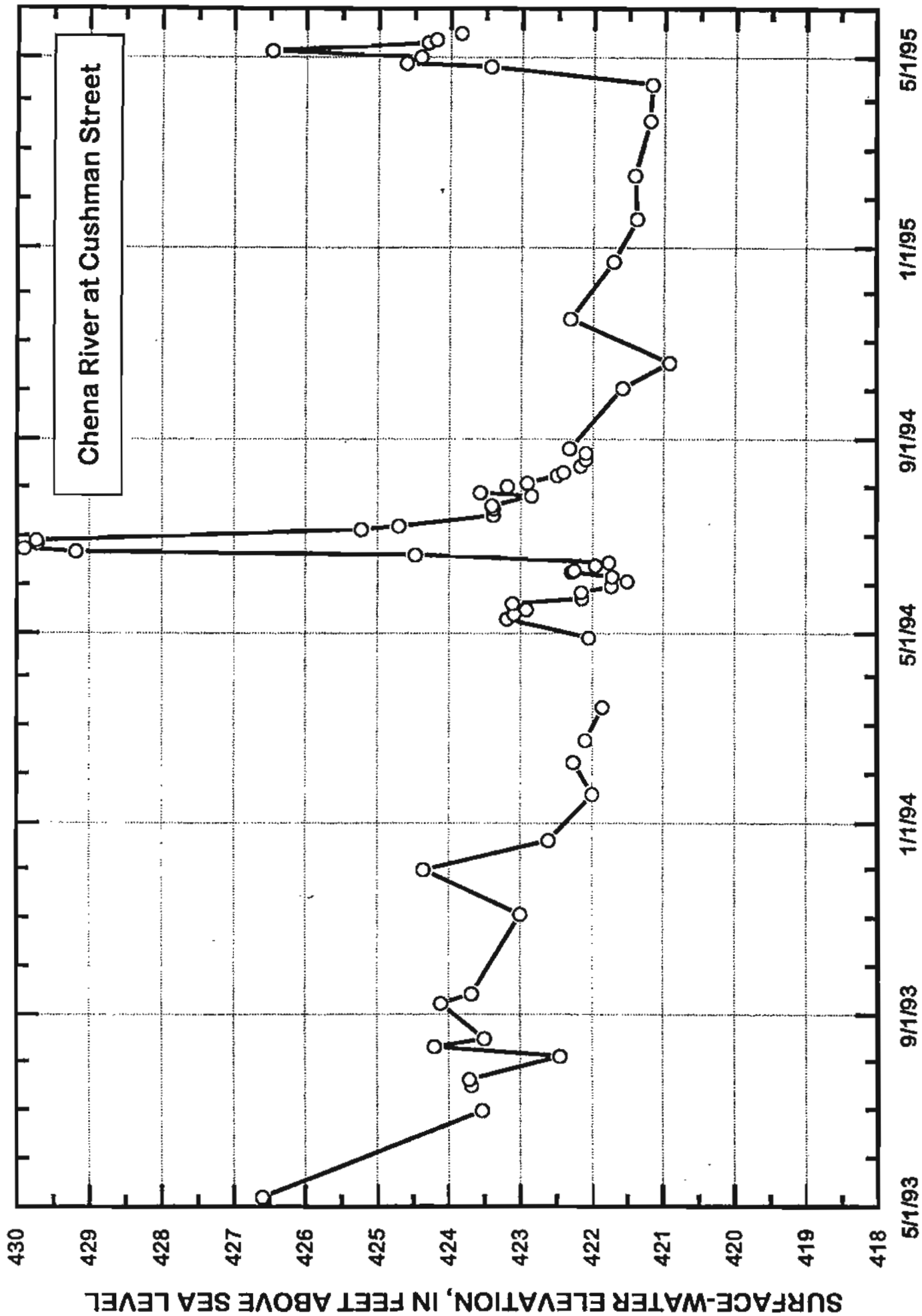
Local Number: FC00100110A

Date	Time	Method	MP to WS	Error	WS elevation	Remarks
05-23-94	1517	Steel tape	22.26	0.02	422.15	PM
05-27-94	1037	Steel tape	22.25	0.03	422.16	PM
05-31-94	0933	Steel tape	22.68	0.02	421.73	PM
06-03-94	1349	Steel tape	22.90	0.03	421.51	PM
06-06-94	1453	Steel tape	22.69	0.02	421.72	PM
06-09-94	1520	Steel tape	22.11	0.02	422.30	PM
06-10-94	1640	Steel tape	22.15	0.02	422.26	PM
06-13-94	1640	Steel tape	22.45	0.02	421.96	PM
06-15-94	1630	Steel tape	22.64	0.03	421.77	MM
06-20-94	1632	Steel tape	19.94	0.02	424.47	PM
06-22-94	1113	Steel tape	15.23	0.05	429.18	PM
06-24-94	1057	Steel tape	14.51	0.05	429.90	PM
06-27-94	1539	Steel tape	14.69	0.05	429.72	PM
06-29-94	1527	Steel tape	14.68	0.02	429.73	PM
07-06-94	1631	Steel tape	19.19	0.02	425.22	PM
07-08-94	1448	Steel tape	19.71	0.02	424.70	PM
07-15-94	0716	Steel tape	21.03	0.02	423.38	MM
07-19-94	1627	Steel tape	21.03	0.02	423.38	PM
07-21-94	1532	Steel tape	21.01	0.02	423.40	PM
07-27-94	1142	Steel tape	21.56	0.02	422.85	PM
07-29-94	1031	Steel tape	20.85	0.02	423.56	PM
08-02-94	1412	Steel tape	21.22	0.02	423.19	PM
08-04-94	1600	Steel tape	21.50	0.02	422.91	PM
08-09-94	1530	Steel tape	21.91	0.02	422.50	PM
08-11-94	1029	Steel tape	22.00	0.02	422.41	PM
08-15-94	0936	Steel tape	22.24	0.02	422.17	MM
08-19-94	1516	Steel tape	22.31	0.02	422.10	PM
08-23-94	1436	Steel tape	22.31	0.02	422.10	PM
08-26-94	1530	Steel tape	22.08	0.02	422.33	PM
10-03-94	1025	Steel tape	22.83	0.02	421.58	PM

Chena River at Cushman Street at Fairbanks (Continued)

Site ID: 15514002
Local Number: FC00100110A

Date	Time	Method	MP to WS	Error	WS elevation	Remarks
10-19-94	1152	Steel tape	23.49	0.02	420.92	MM
11-16-94	1021	Steel tape	22.09	0.02	422.32	MM
12-23-94	1335	Steel tape	22.70	0.02	421.71	MM
01-19-95	1200	Steel tape	23.03	0.02	421.38	MM
02-16-95	1247	Steel tape	23.00	0.02	421.41	MM
03-22-95	0925	Steel tape	23.21	0.02	421.20	MM
04-14-95	0930	Steel tape	23.24	0.02	421.17	MM
04-25-95	1119	Steel tape	20.98	0.02	423.43	PM
04-27-95	1302	Steel tape	19.80	0.02	424.61	PM
05-01-95	1200	Steel tape	20.00	0.02	424.41	PM
05-05-95	1123	Steel tape	17.94	0.02	426.47	PM
05-10-95	1404	Steel tape	20.10	0.02	424.31	PM
05-12-95	1150	Steel tape	20.21	0.02	424.20	PM
05-16-95	1510	Steel tape	20.56	0.02	423.85	MM


Chena River at Cushman Street
SURFACE-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

Chena River at FMUS at Fairbanks

Site ID: 15514003
Local Number: FC00100109AD

All measurements in feet
Datum corrections, reference survey notes in site folders

Land Surface Datum: 415.00

Date	RB Elevation (feet above sea level)	
11-05-93	419.88	RP-1
11-05-93	420.55	RP-3
11-05-93	426.46	RP-4
09-30-93	422.54	RM-2
11-05-93	426.26	RM-5
11-05-93	418.63	STAFF
06-21-94	423.25	RP-6
06-21-94	427.72	RP-7

CFS, cubic feet/second
MM, mass measurement
MP, measuring point
NA, not available
RB, rebar
RP, reference point
RM, reference mark
WS, water surface

Date	Time	Method	RB to WS	Error	WS elevation	Remarks
05-03-93	0838	Tape down	-1.15	0.02	425.30	RP-4
05-05-93	0840	Tape down	-1.24	0.02	425.21	RP-4
06-15-93	1830	Tape down	-4.35	0.02	422.10	RP-4
06-16-93	2140	Tape down	-4.52	0.02	421.93	RP-4
07-01-93	1440	Tape down	1.40	0.02	421.99	RP-3
07-08-93	1330	Tape down	1.98, 1.25	0.02	421.86	RP-1,3
07-17-93	1614	Tape down	0.90	0.02	421.49	RP-3
07-21-93	1526	Tape down	1.04	0.02	421.63	STAFF
08-05-93	1722	Tape down	-4.99	0.02	421.46	RP-3
08-11-93	1533	Tape down	-3.71	0.02	422.74	RP-3
08-16-93	1637	Tape down	-4.25	0.02	422.20	RP-3
09-08-93	1512	Tape down	-3.18	0.02	423.27	RP-3
09-14-93	1545	Tape down	-3.67	0.02	422.78	RP-3
09-29-93	1613	Tape down	-2.79	0.02	423.66	RP-3
10-19-93	1610	Tape down	-3.22	0.02	423.24	RP-4

Chena River at FMUS at Fairbanks

Site ID: 15514003
Local Number: FC00100109AD

Date	Time	Method	RB to WS	Error	WS elevation	Remarks
03-24-94	1610	Tape down	-0.04	0.02	419.84	RP-1
03-26-94	1720	Tape down	-0.05	0.02	419.83	RP-1
03-27-94	1315	Tape down	-0.04	0.02	419.84	RP-1
03-28-94	1521	Tape down	-0.04	0.02	419.84	RP-1
03-30-94	0815	Tape down	-0.01	0.02	419.87	RP-1
03-31-94	1445	Tape down	0.01	0.02	419.91	RP-1
03-31-94	1735	Tape down	0.01	0.02	419.89	RP-1
04-01-94	1745	Tape down	0.04	0.02	419.92	RP-1
04-03-94	1155	Tape down	0.06	0.02	419.92	RP-1
04-05-94	1435	Tape down	0.13	0.02	420.01	RP-1
04-06-94	1040	Tape down	0.13	0.02	420.01	RP-1
04-07-94	1530	Tape down	0.18	0.02	420.06	RP-1
04-11-94	1350	Tape down	0.20	0.02	420.08	RP-1
04-11-94	1805	Tape down	0.20	0.02	420.08	RP-1
04-12-94	0825	Tape down	0.20	0.02	420.08	RP-1
04-12-94	1335	Tape down	0.20	0.02	420.08	RP-1
04-13-94	0820	Tape down	0.22	0.02	420.10	RP-1
04-13-94	1339	Tape down	0.22	0.02	420.10	RP-1
04-13-94	1445	Tape down	0.22	0.02	420.10	RP-1
04-14-94	0820	Tape down	0.26	0.02	420.14	RP-1
04-14-94	0820	Tape down	0.26	0.02	420.14	RP-1
04-14-94	1405	Tape down	0.28	0.02	420.16	RP-1
04-14-94	2010	Tape down	0.29	0.02	420.17	RP-1
04-15-94	0841	Tape down	0.26	0.02	420.14	RP-1
04-15-94	1430	Tape down	0.27	0.02	420.15	RP-1
04-16-94	0930	Tape down	0.26	0.02	420.14	RP-1
04-16-94	2130	Tape down	0.26	0.02	420.14	RP-1
04-17-94	1159	Tape down	0.29	0.02	420.17	RP-1
04-17-94	2040	Tape down	0.25	0.02	420.13	RP-1
04-18-94	2000	Tape down	0.22	0.02	420.10	RP-1

Chena River at FMUS at Fairbanks

Site ID: 15514003
Local Number: FC00100109AD

Date	Time	Method	RB to WS	Error	WS elevation	Remarks
10-27-93	0820	Tape down	-3.10	0.02	423.36	RP-4, 1540 cfs
10-28-93	0820	Tape down	-3.22	0.02	423.24	RP-4
10-28-93	1726	Tape down	-3.06	0.02	423.40	RP-4
11-05-93	1158	Tape down	1.63, 0.93	0.02	421.50	RP-1,3
11-05-93	1300	Tape down	2.83	0.02	421.50	STAFF
11-10-93	1317	Tape down	-4.85	0.02	421.61	RP-4
11-15-93	2100	Tape down	1.70, 1.01	0.02	421.57	RP-1,3
11-16-93	1257	Tape down	1.66, 0.97	0.02	421.53	RP-1,3
11-29-93	1300	Tape down	1.22, 0.50	0.02	421.08	RP-1,3
12-02-93	2100	Tape down	0.45	0.02	421.00	RP-3
12-03-93	0845	Tape down	1.08, 0.42	0.02	420.96	RP-1,3
12-03-93	1333	Tape down	1.15, 0.43	0.02	421.01	RP-1,3; 1060 cfs
12-06-93	0950	Tape down	1.15, 0.45	0.02	421.02	RP-1,3
12-09-93	1410	Tape down	1.11, 0.37	0.02	420.96	RP-1,3
12-12-93	1400	Tape down	1.03, 0.32	0.02	420.89	RP-1,3
12-20-93	0835	Tape down	0.75, 0.02	0.02	420.60	RP-1,3
12-28-93	1515	Tape down	0.72, 0.01	0.02	420.58	RP-1,3
01-12-94	0830	Tape down	0.33	0.02	420.21	RP-1
01-19-94	1508	Tape down	0.13	0.02	420.01	RP-1
01-27-94	1441	Tape down	0.15	0.02	420.03	RP-1
01-27-94	1520	Tape down	0.15	0.02	420.03	RP-1
02-16-94	1525	Tape down	0.28	0.02	420.16	RP-1
02-22-94	1520	Tape down	0.22	0.02	420.10	RP-1
02-24-94	0920	Tape down	0.20	0.02	420.08	RP-1
03-03-94	1408	Tape down	0.07	0.02	419.95	RP-1
03-09-94	1015	Tape down	0.00	0.02	419.88	RP-1
03-15-94	1507	Tape down	-0.03	0.02	419.85	RP-1
03-21-94	0825	Tape down	-0.04	0.02	419.84	RP-1
03-24-94	1010	Tape down	-0.04	0.02	419.84	RP-1
03-24-94	1110	Tape down	-0.04	0.02	419.84	RP-1

Chena River at FMUS at Fairbanks

Site ID: 15514003
Local Number: FC00100109AD

Date	Time	Method	RB to WS	Error	WS elevation	Remarks
04-19-94	1445	Tape down	0.25	0.02	420.15	RP-1
04-21-94	0950	Tape down	0.31	0.02	420.19	RP-1
04-21-94	2110	Tape down	0.37	0.02	420.25	RP-1
04-22-94	0824	Tape down	0.39	0.02	420.27	RP-1
04-23-94	0930	Tape down	0.68	0.02	420.56	RP-1
04-24-94	0955	Tape down	0.81	0.02	420.69	RP-1
04-25-94	0822	Tape down	1.15	0.02	421.03	RP-1
04-25-94	1345	Tape down	1.20	0.02	421.08	RP-1
04-26-94	0850	Tape down	-0.76	0.02	421.78	RM-2
04-28-94	0825	Tape down	-1.82	0.02	424.53	RP-1
04-28-94	1756	Tape down	-0.42	0.02	425.84	RP-4
04-29-94	0840	Tape down	-0.57	0.02	425.69	RM-5
04-29-94	1930	Tape down	-0.58	0.02	425.68	RM-5, 5270 cfs
04-30-94	1245	Tape down	-1.20	0.02	425.06	RM-5
04-30-94	1815	Tape down	-1.17	0.02	425.09	RM-5
04-30-94	2035	Tape down	-0.98	0.02	425.28	RM-5
05-02-94	0825	Tape down	-2.37	0.02	423.89	RM-5
05-02-94	1700	Tape down	-2.65	0.02	423.61	RM-5
05-03-94	0825	Tape down	-2.77	0.02	423.49	RM-5
05-05-94	0825	Tape down	-3.12	0.02	423.14	RM-5
05-05-94	1457	Tape down	-3.17	0.02	423.09	RM-5
05-06-94	0825	Tape down	-3.18	0.02	423.08	RM-5
05-07-94	0905	Tape down	-3.50	0.02	422.76	RM-5
05-08-94	1023	Tape down	-3.65	0.02	422.61	RM-5
05-09-94	0750	Tape down	-3.82	0.02	422.44	RM-5
05-10-94	0810	Tape down	-3.94	0.02	422.32	RM-5
05-11-94	0840	Tape down	-4.05	0.02	422.21	RM-5
05-12-94	0820	Tape down	-4.06	0.02	422.20	RM-5
05-20-94	1245	Tape down	1.85	0.02	421.73	RP-1
05-23-94	1548	Tape down	1.70	0.02	421.58	RP-1

Chena River at FMUS at Fairbanks

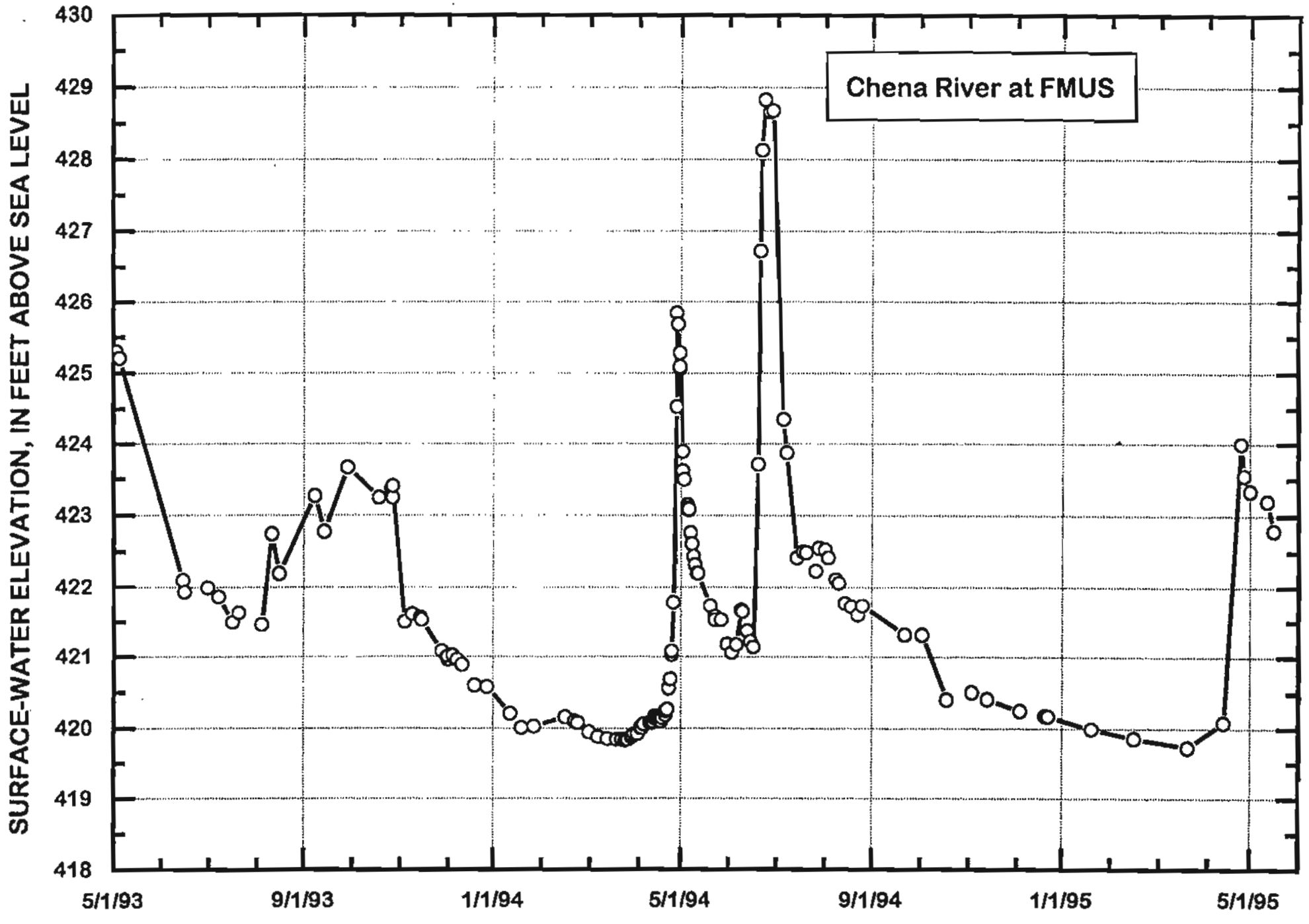
Site ID: 15514003
Local Number: FC00100109AD

Date	Time	Method	RB to WS	Error	WS elevation	Remarks
05-23-94	1548	Tape down	0.98	0.02	421.53	RP-3
05-27-94	1059	Tape down	0.98	0.02	421.53	RP-3
05-31-94	0945	Tape down	0.63	0.02	421.18	RP-3
06-03-94	1333	Tape down	0.51	0.03	421.06	RP-3
06-06-94	1500	Tape down	0.62	0.02	421.17	RP-3
06-09-94	1527	Tape down	1.12	0.02	421.67	RP-3
06-10-94	1627	Tape down	1.10	0.02	421.65	RP-3
06-13-94	1035	Tape down	0.82	0.02	421.37	RP-3
06-15-94	1620	Tape down	0.67	0.02	421.22	RP-3
06-17-94	1700	Tape down	0.59	0.02	421.14	RP-3
06-20-94	1635	Tape down	0.26	0.02	423.71	RP-6
06-21-94	1420	Tape down	0.46	0.02	426.72	RM-5
06-22-94	1123	Tape down	0.41	0.02	428.13	RP-7
06-24-94	1110	Tape down	1.11	0.02	428.83	RP-7
06-27-94	1551	Tape down	0.94	0.02	428.66	RP-7
06-29-94	1535	Tape down	0.96	0.02	428.68	RP-7
07-06-94	1638	Tape down	0.90	0.02	424.35	RP-6
07-08-94	1457	Tape down	0.42	0.02	423.87	RP-6
07-15-94	0723	Tape down	-0.83	0.02	422.42	RP-6, MM
07-19-94	1632	Tape down	-0.75	0.02	422.50	RP-6
07-21-94	1540	Tape down	-0.76	0.02	422.49	RP-6
07-27-94	1152	Tape down	1.68	0.02	422.23	RP-3
07-29-94	1038	Tape down	-0.68	0.02	422.55	RP-6
08-02-94	1528	Tape down	1.98	0.02	422.53	RP-3
08-04-94	1608	Tape down	1.87	0.02	422.42	RP-3
08-09-94	1540	Tape down	1.56	0.02	422.11	RP-3
08-11-94	1038	Tape down	1.51	0.02	422.06	RP-3
08-15-94	0926	Tape down	1.22	0.02	421.77	RP-3
08-19-94	1525	Tape down	1.17	0.02	421.72	RP-3
08-23-94	1444	Tape down	1.05	0.02	421.60	RP-3

Chena River at FMUS at Fairbanks

Site ID: 15514003
Local Number: FC00100109AD

Date	Time	Method	RB to WS	Error	WS elevation	Remarks
08-26-94	1537	Tape down	1.18	0.02	421.73	RP-3
09-22-94	0939	Tape down	0.77	0.02	421.32	RP-3
10-03-94	1032	Tape down	0.53	0.02	421.32	RP-3
10-19-94	1202	Tape down	0.53	0.02	420.41	RP-1, MM
11-04-94	1444	Tape down	0.63	0.02	420.51	RP-1
11-14-94	1214	Tape down	0.53	0.02	420.41	RP-1, MM
12-05-94	1133	Tape down	0.37	0.02	420.25	RP-1, PM
12-21-94	1019	Tape down	0.30	0.02	420.18	RP-1, MM
12-23-94	1348	Tape down	0.29	0.02	420.17	RP-1, MM
01-20-95	1027	Tape down	0.11	0.02	419.99	RP-1, MM
02-16-95	1310	Tape down	-0.02	0.02	419.86	RP-1, MM
03-22-95	0952	Tape down	-0.15	0.02	419.73	RP-1, MM
04-14-95	0946	Tape down	0.21	0.02	420.09	RP-1, MM
04-25-95	1126	Tape down	0.75	0.02	424.00	RP-6, PM
04-27-95	1310	Tape down	0.30	0.02	423.55	RP-6, PM
05-01-95	1209	Tape down	0.09	0.02	423.34	RP-6, PM
05-12-95	1157	Tape down	-0.05	0.02	423.20	RP-6, PM
05-16-95	1518	Tape down	-0.45	0.02	422.80	RP-6, MM
05-18-95	1100	Tape down	-0.94	0.02	422.31	RP-6, MM


Chena River at FMUS
SURFACE-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

Chena River at Peger Road at Fairbanks
Tape Down and Wire Weight Gage

Site ID: 15514004
Local Number: FC00100108

All measurements in feet
Datum corrections, reference survey notes in site folders

Land Surface Datum: 415.00

Date	CB elevation (feet above sea level)
06-21-93	437.20

CB, check bar
est., estimated
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
WS, water surface

Date	Time	Check bar	CB to WS	Error	WS elevation	Remarks
05-01-93	1943	448.01	435.20	0.02	424.39	PM
05-02-93	2200	448.02	435.22	0.02	424.40	PM
05-03-93	1129	448.02	435.35	0.02	424.53	PM
05-05-93	1243	437.32	423.50	0.02	423.38	PM
05-08-93	2131	437.33	423.50	0.02	423.37	PM
05-10-93	1310	437.33	424.22	0.02	424.09	PM
05-12-93	1140	437.33	423.48	0.02	423.35	PM
05-12-93	1400	437.33	423.45	0.02	423.32	PM
05-14-93	1115	437.33	423.29	0.02	423.16	MM
05-18-93	1600	437.32	425.29	0.02	425.17	PM
05-24-93	1417	437.32	421.98	0.02	421.86	PM
05-26-93	1730	437.32	421.76	0.02	421.64	PM
05-29-93	1415	437.32	421.54	0.02	421.42	PM
06-02-93	1550	437.32	421.10	0.02	420.98	PM
06-08-93	1415	437.32	420.67	0.02	420.55	PM
06-11-93	1240	437.32	420.53	0.02	420.41	PM
06-15-93	1835	437.32	420.56	0.02	420.44	MM
06-21-93	0945	437.32	422.38	0.02	422.26	PM
06-21-93	1820	437.32	422.25	0.02	422.13	PM
06-25-93	1613	437.32	421.27	0.02	421.15	PM

Chena River at Peger Road at Fairbanks
Tape Down and Wire Weight Gage

Site ID: 15514004
Local Number: FC00100108

Date	Time	Check bar	CB to WS	Error	WS elevation	Remarks
06-30-93	1315	437.32	420.76	0.02	420.64	PM
07-08-93	1437	437.32	420.44	0.02	420.32	PM
07-16-93	1631	437.32	420.27	0.02	420.15	MM
07-28-93	1646	437.32	420.39	0.02	420.27	PM
08-05-93	1756	437.32	420.30	0.02	420.18	PM
08-11-93	1600	437.32	421.46	0.02	421.34	PM
08-16-93	2135	437.32	421.09	0.02	420.97	MM
09-14-93	1653	437.32	421.19	0.02	421.07	MM
09-16-93	1607	437.32	421.55	0.02	421.43	PM
10-08-93	1615	437.33	421.34	0.02	421.21	PM
11-04-93	1445	437.33	NA	NA	NA	Ice
11-16-93	1600	437.34	419.03	0.02	418.89	MM
12-02-93	1430	437.33	419.10	0.05	418.97	PM, estimated below ice
12-21-93	1110	437.32	419.51	0.02	419.39	MM
01-19-94	1425	437.32	418.81	0.02	418.69	MM
02-08-94	1645	437.31	418.90	0.02	418.79	PM
02-22-94	1535	437.30	418.93	0.02	418.83	MM
03-15-94	1545	437.32	418.53	0.02	418.41	MM
03-31-94	1405	437.33	418.56	0.02	418.43	PM
04-21-94	1108	437.33	418.84	0.02	418.71	MM
04-28-94	1215	437.33	423.40	0.02	423.27	PM
05-03-94	1532	437.33	421.35	0.02	421.22	PM
05-10-94	1445	437.33	420.99	0.02	420.86	PM
05-13-94	1045	437.33	420.75	0.02	420.62	PM
05-16-94	1510	437.33	420.61	0.02	420.48	MM
05-20-94	1218	437.34	420.12	0.02	419.98	PM
05-23-94	1617	437.34	420.00	0.03	419.86	PM
05-27-94	1031	437.34	420.02	0.03	419.88	PM
05-27-94	1454	437.34	419.98	0.02	419.84	PM
05-31-94	0955	437.34	419.17	0.02	419.03	PM

Chena River at Peger Road at Fairbanks
Tape Down and Wire Weight Gage

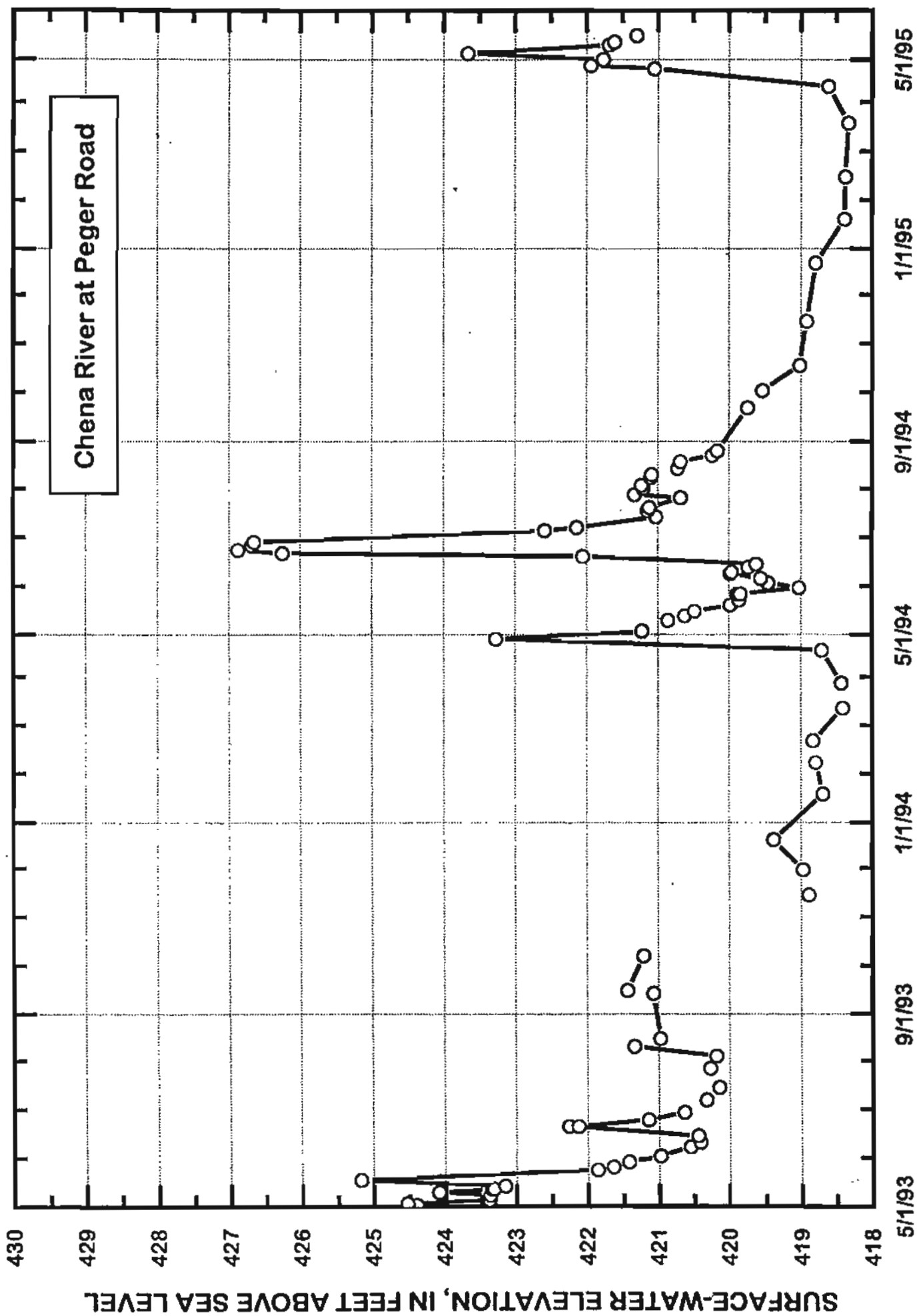
Site ID: 15514004
Local Number: FC00100108

Date	Time	Check bar	CB to WS	Error	WS elevation	Remarks
06-03-94	1321	437.34	419.60	0.02	419.46	PM
06-06-94	1507	437.34	419.70	0.02	419.56	PM
06-09-94	1538	437.34	420.12	0.02	419.98	PM
06-10-94	1615	437.34	420.10	0.02	419.96	PM
06-13-94	1044	437.34	419.87	0.02	419.73	PM
06-15-94	1608	437.34	419.76	0.02	419.62	MM
06-20-94	1648	437.34	422.19	0.02	422.05	PM
06-22-94	1130	437.34	426.39	0.02	426.25	PM
06-24-94	1116	437.34	427.01	0.02	426.87	PM
06-27-94	1600	437.34	426.82	0.02	426.68	PM
06-29-94	1542	437.34	426.79	0.02	426.65	PM
07-06-94	1643	437.34	422.73	0.02	422.59	PM
07-08-94	1504	437.34	422.28	0.02	422.14	PM
07-15-94	0731	437.34	421.17	0.02	421.03	MM
07-19-94	1645	437.34	421.29	0.02	421.15	PM
07-21-94	1548	437.34	421.26	0.02	421.12	PM
07-27-94	1202	437.34	420.82	0.02	420.68	PM
07-29-94	1047	437.34	421.47	0.02	421.33	PM
08-02-94	1539	437.34	421.35	0.02	421.21	PM
08-04-94	1615	437.34	421.37	0.02	421.23	PM
08-09-94	1548	437.34	421.24	0.02	421.10	PM
08-11-94	1043	437.34	421.23	0.02	421.09	PM
08-15-94	0921	437.34	420.86	0.02	420.72	MM
08-19-94	1533	437.34	420.82	0.02	420.68	PM
08-23-94	1451	437.34	420.37	0.02	420.23	PM
08-26-94	1545	437.34	420.30	0.02	420.16	PM
09-22-94	0946	437.34	419.88	0.02	419.74	MM
10-03-94	1039	437.34	419.68	0.02	419.54	PM
10-19-94	1215	437.34	419.16	0.02	419.02	MM
11-16-94	1045	437.35	419.07	0.02	418.92	MM

Chena River at Peger Road at Fairbanks
Tape Down and Wire Weight Gage

Site ID: 15514004
Local Number: FC00100108

Date	Time	Check bar	CB to WS	Error	WS elevation	Remarks
12-23-94	1400	437.34	418.93	0.02	418.79	MM
01-20-95	1040	437.35	418.53	0.02	418.38	MM, est. from ice surface
02-16-95	1317	437.34	418.51	0.02	418.37	MM, est. from ice surface
03-22-95	1001	437.34	418.47	0.02	418.33	MM, est. from ice surface
04-14-95	0952	437.34	418.75	0.02	418.61	MM
04-25-95	1133	437.34	421.19	0.02	421.05	PM
04-27-95	1317	437.34	422.08	0.02	421.94	PM
05-01-95	1215	437.34	421.91	0.02	421.77	PM
05-05-95	1136	437.34	423.80	0.02	423.66	PM
05-10-95	1416	437.34	421.83	0.02	421.69	PM
05-12-95	1203	437.34	421.75	0.02	421.61	PM
05-16-95	1525	437.34	421.44	0.02	421.30	MM
05-22-95	1344	437.35	420.75	0.02	420.60	PM
05-31-95	1430	437.35	420.43	0.02	420.28	PM


Chena River at Peger Road
SURFACE-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

Noyes Slough at Minnie Street at Fairbanks
up-stream

Site ID: 1551400425
Local Number: FC00100111BB

All measurements in feet
Datum corrections, reference survey notes in site folders
Depth to bottom from MP: 23.13

Date	MP Elevation (feet above sea level)
05-24-93	446.20

CFS, cubic feet/second
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
RP, reference point
WS, water surface

Date	Time	Method	MP to WS	Error	WS elevation	Remarks
05-05-93	0815	Steel tape	19.05	0.04	427.15	PM
05-07-93	1040	Steel tape	19.30	0.04	426.90	PM
05-12-93	1455	Steel tape	17.58	0.04	428.62	PM
05-18-93	1209	Steel tape	17.26	0.02	428.94	PM
05-29-93	1430	Steel tape	21.02	0.02	425.18	PM
06-01-93	1500	Steel tape	21.40	0.02	424.80	PM
06-04-93	1000	Steel tape	21.68	0.02	424.52	PM
06-06-93	1916	Steel tape	21.80	0.02	424.40	PM
06-07-93	1441	Steel tape	22.04	0.02	424.16	PM
06-15-93	1910	Steel tape	21.96	0.02	424.24	MM
06-18-93	1800	Steel tape	21.85	0.02	424.35	PM
06-21-93	0925	Steel tape	20.37	0.02	425.83	PM
06-21-93	1708	Steel tape	20.54	0.02	425.66	PM
06-22-93	1030	Steel tape	20.40	0.02	425.80	PM
06-25-93	1625	Steel tape	21.46	0.02	424.74	PM
06-30-93	1240	Steel tape	22.02	0.02	424.18	PM
06-30-93	2000	Steel tape	22.08	0.02	424.12	PM
07-08-93	1313	Steel tape	22.23	0.02	423.97	PM
07-16-93	0700	Steel tape	22.66	0.02	423.54	MM
07-21-93	2130	Steel tape	22.74	0.02	423.46	PM
07-28-93	1707	Steel tape	22.56	0.02	423.64	PM
08-05-93	1714	Steel tape	22.97	0.02	423.23	PM

Noyes Slough at Minnie Street at Fairbanks
up-stream

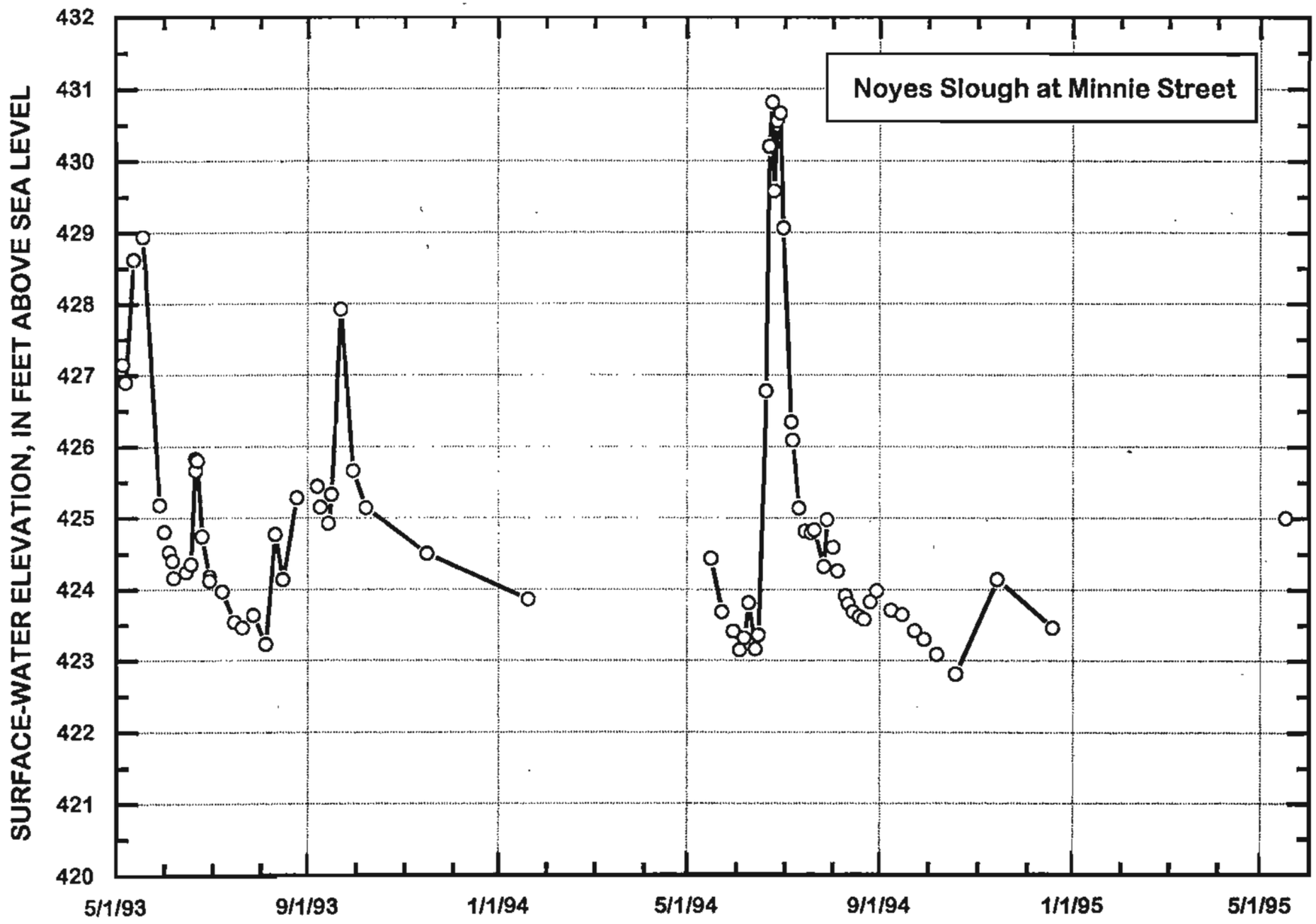
Site ID: 1551400425
Local Number: FC00100111BB

Date	Time	Method	MP to WS	Error	WS elevation	Remarks
08-11-93	1545	Steel tape	21.43	0.02	424.77	PM
08-16-93	1915	Steel tape	22.06	0.02	424.14	MM
08-25-93	1931	Steel tape	20.92	0.02	425.28	PM
09-07-93	1530	Steel tape	20.76	0.02	425.44	PM
09-09-93	1530	Steel tape	21.05	0.02	425.15	PM
09-14-93	1620	Steel tape	21.28	0.02	424.92	PM
09-16-93	1630	Steel tape	20.87	0.02	425.33	MM
09-22-93	1400	Steel tape	18.28	0.02	427.92	PM
09-30-93	1725	Steel tape	20.54	0.02	425.66	PM
10-08-93	1430	Steel tape	21.06	0.02	425.14	PM
11-16-93	1345	Steel tape	21.70	0.02	424.50	MM
01-20-94	1130	Steel tape	22.34	0.02	423.86	MM
05-16-94	0940	Steel tape	21.77	0.02	424.43	MM
05-23-94	1510	Steel tape	22.51	0.02	423.69	PM
05-30-94	1542	Steel tape	22.79	0.02	423.41	PM
06-03-94	1358	Steel tape	23.05	0.02	423.15	PM
06-06-94	1215	Steel tape	22.88	0.02	423.32	PM
06-09-94	1616	Steel tape	22.39	0.02	423.81	PM
06-13-94	1401	Steel tape	23.04	0.02	423.16	PM
06-15-94	NA	Steel tape	22.84	0.02	423.36	MM
06-20-94	1733	Steel tape	19.42	0.02	426.78	PM
06-22-94	1415	Steel tape	16.00	0.02	430.20	PM
06-24-94	1243	Steel tape	15.39	0.02	430.81	PM
06-25-94	1218	Steel tape	16.62	0.02	429.58	PM
06-27-94	1225	Steel tape	15.65	0.02	430.55	PM
06-29-94	1521	Steel tape	15.54	0.02	430.66	PM
07-01-94	1411	Steel tape	17.14	0.02	429.06	PM
07-06-94	1624	Steel tape	19.86	0.02	426.34	PM
07-07-94	1650	Steel tape	20.11	0.02	426.09	PM
07-11-94	1505	Steel tape	21.06	0.02	425.14	PM

Noyes Slough at Minnie Street at Fairbanks
up-stream

Site ID: 1551400425
Local Number: FC00100111BB

Date	Time	Method	MP to WS	Error	WS elevation	Remarks
07-15-94	1234	Steel tape	21.39	0.02	424.81	MM
07-19-94	1547	Steel tape	21.41	0.02	424.79	PM
07-21-94	1726	Steel tape	21.37	0.02	424.83	PM
07-27-94	1136	Steel tape	21.88	0.02	424.32	PM
07-29-94	1022	Steel tape	21.23	0.02	424.97	PM
08-02-94	1419	Steel tape	21.61	0.02	424.59	PM
08-05-94	1345	Steel tape	21.94	0.02	424.26	PM
08-10-94	0909	Steel tape	22.29	0.02	423.91	PM
08-12-94	1436	Steel tape	22.40	0.02	423.80	PM
08-15-94	0925	Steel tape	22.51	0.02	423.69	MM
08-19-94	1515	Steel tape	22.58	0.02	423.62	PM
08-22-94	1305	Steel tape	22.62	0.02	423.58	PM
08-26-94	1144	Steel tape	22.37	0.02	423.83	PM
08-30-94	1520	Steel tape	22.22	0.02	423.98	PM
09-08-94	1607	Steel tape	22.49	0.02	423.71	PM
09-15-94	1238	Steel tape	22.55	0.02	423.65	MM
09-23-94	1440	Steel tape	22.78	0.02	423.42	PM
09-29-94	1110	Steel tape	22.90	0.02	423.30	PM
10-07-94	1428	Steel tape	23.11	0.02	423.09	PM
10-19-94	1415	Steel tape	23.39	0.02	422.81	MM
11-14-94	1357	Steel tape	22.06	0.02	424.14	MM
12-19-94	1400	Steel tape	22.74	0.02	423.46	MM
01-19-95	NA	Steel tape	DRY	NA	NA	MM
05-17-95	0900	Steel tape	21.20	0.02	425.00	MM


Noyes Slough at Minnie Street
SURFACE-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
432
431
430
429
428
427
426
425
424
423
422
421
420
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

Noyes Slough at Illinois Street at Fairbanks
up-stream

Site ID: 1551400435
Local Number: FC00100103DA

All measurements in feet
Datum corrections, reference survey notes in site folders
Depth to bottom from MP: 24.41

Land Surface Datum: 420.00

Date	MP Elevation (feet above sea level)
05-19-93	446.35

CFS, cubic feet/second
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
RP, reference point
WS, water surface

Date	Time	Method	MP to WS	Error	WS elevation	Remarks
05-07-93	1320	Steel tape	20.80	0.01	425.55	PM
05-12-93	1445	Steel tape	18.96	0.01	427.39	PM
05-18-93	1200	Steel tape	18.81	0.01	427.54	PM
05-29-93	1435	Steel tape	21.87	0.01	424.48	PM
06-07-93	NA	Steel tape	22.58	0.01	423.77	PM
06-15-93	1905	Steel tape	22.53	0.01	423.82	MM
06-21-93	0930	Steel tape	21.83	0.01	424.52	PM
06-21-93	1712	Steel tape	21.88	0.01	424.47	PM
06-25-93	1620	Steel tape	22.56	0.01	423.79	PM
06-30-93	1250	Steel tape	23.01	0.01	423.34	PM
07-08-93	1300	Steel tape	23.58	0.01	422.77	PM
07-16-93	0710	Steel tape	23.50	0.01	422.85	MM
07-21-93	1000	Steel tape	23.54	0.01	422.81	PM
07-21-93	1915	Steel tape	23.55	0.01	422.80	PM
07-28-93	1530	Steel tape	23.32	0.01	423.03	PM
08-05-93	1730	Steel tape	23.62	0.01	422.73	PM
08-11-93	1133	Steel tape	23.11	0.01	423.24	PM
08-16-93	1434	Steel tape	23.78	0.01	422.57	MM
08-21-93	NA	NA	NA	NA	NA	PM
08-25-93	1937	Steel tape	23.03	0.01	423.32	PM

Noyes Slough at Illinois Street at Fairbanks
up-stream

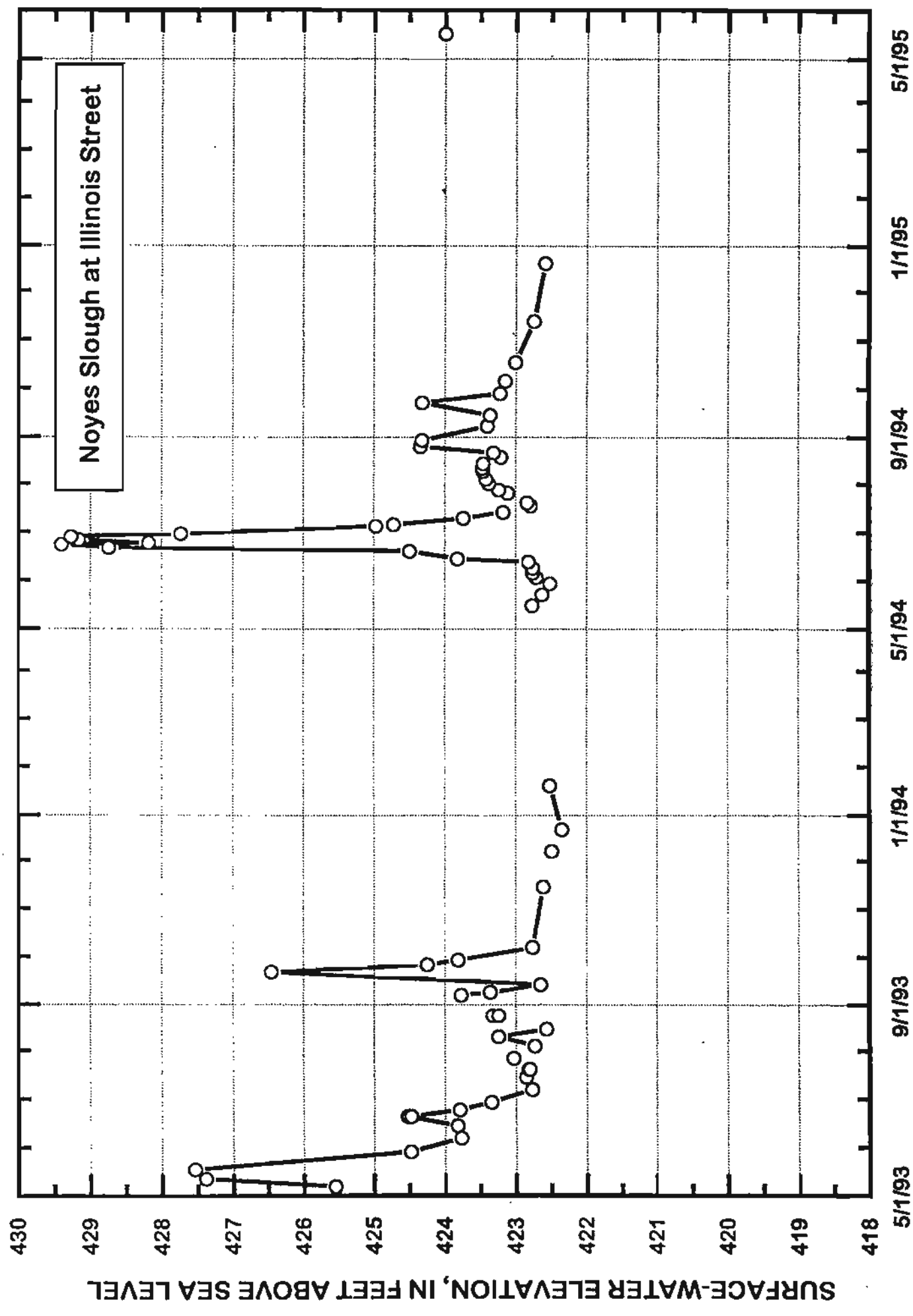
Site ID: 1551400435
Local Number: FC00100103DA

Date	Time	Method	MP to WS	Error	WS elevation	Remarks
08-25-93	1410	Steel tape	23.11	0.01	423.24	PM
08-29-93	NA	NA	NA	NA	NA	PM
09-07-93	1520	Steel tape	22.58	0.01	423.77	PM
09-09-93	1651	Steel tape	22.99	0.01	423.36	PM
09-14-93	1627	Steel tape	23.70	0.01	422.65	MM
09-22-93	1530	Steel tape	19.90	0.01	426.45	PM
09-27-93	1840	Steel tape	22.10	0.01	424.25	PM
09-30-93	1715	Steel tape	22.54	0.01	423.81	PM
10-08-93	1455	Steel tape	23.59	0.01	422.76	PM
11-16-93	1417	Steel tape	23.74	0.01	422.61	MM
12-02-93	1630	NA	NA	NA	NA	PM
12-09-93	1600	Steel tape	23.86	0.01	422.49	PM
12-23-93	1124	Steel tape	24.00	0.01	422.35	PM
01-20-94	1200	Steel tape	23.83	0.01	422.52	PM
05-16-94	1207	Steel tape	23.58	0.01	422.77	MM
05-23-94	1505	Steel tape	23.72	0.01	422.63	PM
05-30-94	1550	Steel tape	23.83	0.01	422.52	PM
06-03-94	1403	Steel tape	23.64	0.01	422.71	PM
06-06-94	1221	Steel tape	23.59	0.01	422.76	PM
06-09-94	1619	Steel tape	23.59	0.01	422.76	PM
06-13-94	1408	Steel tape	23.53	0.01	422.82	PM
06-15-94	--	Steel tape	22.53	0.01	423.82	MM
06-20-94	1740	Steel tape	21.86	0.01	424.49	PM
06-22-94	1417	Steel tape	17.61	0.01	428.74	PM
06-24-94	1250	Steel tape	16.95	0.01	429.40	PM
06-25-94	1310	Steel tape	18.17	0.01	428.18	PM
06-27-94	1257	Steel tape	17.19	0.01	429.16	PM
06-29-94	1516	Steel tape	17.08	0.01	429.27	PM
07-01-94	1420	Steel tape	18.62	0.01	427.73	PM
07-06-94	1619	Steel tape	21.38	0.01	424.97	PM

Noyes Slough at Illinois Street at Fairbanks
up-stream

Site ID: 1551400435
Local Number: FC00100103DA

Date	Time	Method	MP to WS	Error	WS elevation	Remarks
07-07-94	1601	Steel tape	21.63	0.01	424.72	PM
07-11-94	1540	Steel tape	22.61	0.01	423.74	PM
07-15-94	1229	Steel tape	23.17	0.01	423.18	MM
07-19-94	1553	Steel tape	23.56	0.01	422.79	PM
07-21-94	1731	Steel tape	23.51	0.01	422.84	PM
07-27-94	1129	Steel tape	23.24	0.01	423.11	PM
07-29-94	1018	Steel tape	23.11	0.01	423.24	PM
08-02-94	1433	Steel tape	22.97	0.01	423.38	PM
08-05-94	1350	Steel tape	22.93	0.01	423.42	PM
08-10-94	0916	Steel tape	22.89	0.01	423.46	PM
08-12-94	1241	Steel tape	22.88	0.01	423.47	PM
08-15-94	1212	Steel tape	22.89	0.01	423.46	MM
08-19-94	1525	Steel tape	23.14	0.01	423.21	PM
08-22-94	1311	Steel tape	23.04	0.01	423.31	PM
08-26-94	1549	Steel tape	22.01	0.01	424.34	PM
08-30-94	1525	Steel tape	22.03	0.01	424.32	PM
09-08-94	1601	Steel tape	22.95	0.01	423.40	PM
09-15-94	1528	Steel tape	22.99	0.01	423.36	MM
09-23-94	1446	Steel tape	22.03	0.01	424.32	PM
09-29-94	1100	Steel tape	23.13	0.01	423.22	PM
10-07-94	1434	Steel tape	23.20	0.01	423.15	PM
10-19-94	1428	Steel tape	23.35	0.01	423.00	MM
11-14-94	1348	Steel tape	23.61	0.01	422.74	MM
12-21-94	1406	Steel tape	23.76	0.01	422.59	MM
01-19-95	NA	NA	NA	NA	NA	MM
05-17-95	0.38	Steel tape	22.35	0.01	424.00	MM


Noyes Slough at Illinois Street
SURFACE-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

Noyes Slough at O'Connor Bridge at Fairbanks
down-stream

Site ID: 1551400455
Local Number: FC00100103DA

All measurements in feet
Datum corrections, reference survey notes in site folders
Depth to bottom from MP: 15.59

Land Surface Datum: 420.00

Date	MP Elevation (feet above sea level)
05-27-93	436.03

CFS, cubic feet/second
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
RP, reference point
WS, water surface

Date	Time	Method	MP to WS	Error	WS elevation	Remarks
05-06-93	1633	Steel tape	11.60	0.01	424.43	PM
05-07-93	1340	Steel tape	11.60	0.01	424.43	PM
05-12-93	1440	Steel tape	9.81	0.01	426.22	PM
05-18-93	1153	Steel tape	9.63	0.01	426.40	PM
05-29-93	1440	Steel tape	12.93	0.01	423.10	PM
06-07-93	NA	Steel tape	13.28	0.01	422.75	PM
06-15-93	1900	Steel tape	12.86	0.01	423.17	MM
06-21-93	0935	Steel tape	12.70	0.01	423.33	PM
06-21-93	1700	Steel tape	12.74	0.01	423.29	PM
06-25-93	1631	Steel tape	13.62	0.01	422.41	PM
06-30-93	1255	Steel tape	13.78	0.01	422.25	PM
07-08-93	1144	Steel tape	13.50	0.01	422.53	PM
07-16-93	1647	Steel tape	13.44	0.01	422.59	MM
07-21-93	1115	Steel tape	13.51	0.01	422.52	PM
07-28-93	1537	Steel tape	13.20	0.01	422.83	PM
08-05-93	1738	Steel tape	13.38	0.01	422.65	PM
08-11-93	1245	Steel tape	13.32	0.01	422.71	PM
08-16-93	1434	Steel tape	13.57	0.01	422.46	MM
08-25-93	1938	Steel tape	13.24	0.01	422.79	PM
09-09-93	1733	Steel tape	13.18	0.01	422.85	PM

Noyes Slough at O'Connor Bridge at Fairbanks down-stream (Continued)

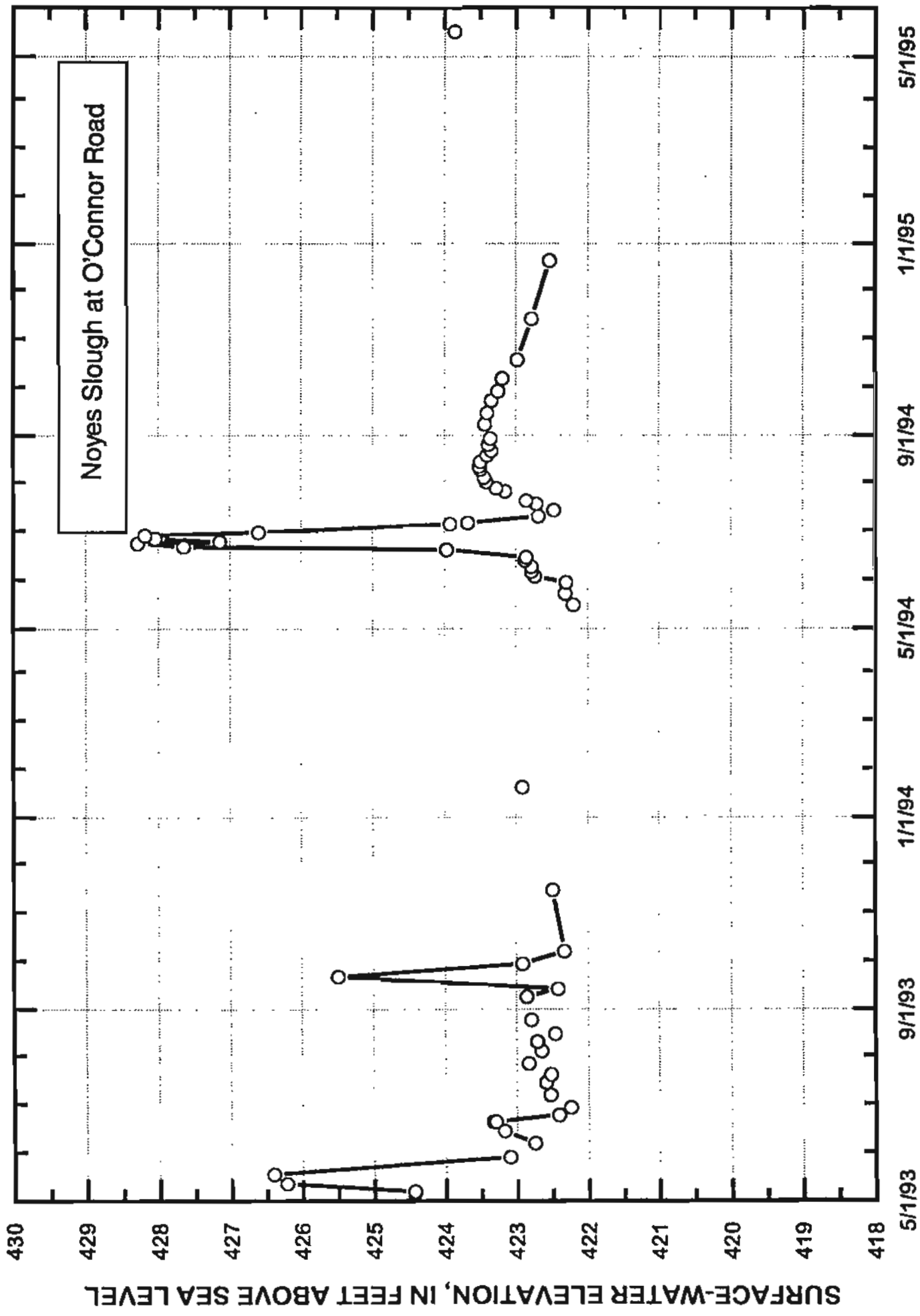
Site ID: 1551400455
Local Number: FC00100103DA

Date	Time	Method	MP to WS	Error	WS elevation	Remarks
09-14-93	1633	Steel tape	13.61	0.01	422.42	MM
09-22-93	1539	Steel tape	10.54	0.01	425.49	PM
09-30-93	1706	Steel tape	13.12	0.01	422.91	PM
10-08-93	1528	Steel tape	13.70	0.01	422.33	PM
11-16-93	1438	Steel tape	13.54	0.01	422.49	MM
12-23-93	1300	NA	NA	NA	NA	PM
01-20-94	1251	Steel tape	13.12	0.01	422.91	PM
05-16-94	1400	Steel tape	13.83	0.01	422.20	MM
05-23-94	1442	Steel tape	13.72	0.01	422.31	PM
05-30-94	1556	Steel tape	13.73	0.02	422.30	PM
06-03-94	1409	Steel tape	13.30	0.01	422.73	PM
06-06-94	1230	Steel tape	13.25	0.01	422.78	PM
06-09-94	1622	Steel tape	13.25	0.01	422.78	PM
06-13-94	1415	Steel tape	13.16	0.01	422.87	PM
06-15-94	NA	Steel tape	13.18	0.01	422.85	MM
06-20-94	1745	Steel tape	12.06	0.01	423.97	PM
06-22-94	1427	Steel tape	8.38	0.01	427.65	PM
06-24-94	1255	Steel tape	7.75	0.01	428.28	PM
06-25-94	1314	Steel tape	8.89	0.01	427.14	PM
06-27-94	1304	Steel tape	7.99	0.01	428.04	PM
06-29-94	1512	Steel tape	7.85	0.01	428.18	PM
07-01-94	1530	Steel tape	9.43	0.01	426.60	PM
07-06-94	1613	Steel tape	12.11	0.01	423.92	PM
07-07-94	1435	Steel tape	12.36	0.01	423.67	PM
07-11-94	1545	Steel tape	13.35	0.01	422.68	PM
07-15-94	1224	Steel tape	13.56	0.01	422.47	MM
07-19-94	1600	Steel tape	13.32	0.01	422.71	PM
07-21-94	1737	Steel tape	13.18	0.01	422.85	PM
07-27-94	1123	Steel tape	12.88	0.01	423.15	PM
07-29-94	1010	Steel tape	12.76	0.01	423.27	PM

Noyes Slough at O'Connor Bridge at Fairbanks down-stream (Continued)

Site ID: 1551400455
Local Number: FC00100103DA

Date	Time	Method	MP to WS	Error	WS elevation	Remarks
08-02-94	1440	Steel tape	12.62	0.01	423.41	PM
08-05-94	1356	Steel tape	12.59	0.01	423.44	PM
08-10-94	0925	Steel tape	12.54	0.01	423.49	PM
08-12-94	1449	Steel tape	12.52	0.01	423.51	PM
08-15-94	1217	Steel tape	12.54	0.01	423.49	MM
08-19-94	1530	Steel tape	12.63	0.01	423.40	PM
08-22-94	1317	Steel tape	12.69	0.01	423.34	PM
08-26-94	1556	Steel tape	12.65	0.01	423.38	PM
08-30-94	1531	Steel tape	12.68	0.01	423.35	PM
09-08-94	1614	Steel tape	12.60	0.01	423.43	PM
09-15-94	1534	Steel tape	12.63	0.01	423.40	MM
09-23-94	1451	Steel tape	12.69	0.01	423.34	PM
09-29-94	1118	Steel tape	12.78	0.01	423.25	PM
10-07-94	1439	Steel tape	12.84	0.01	423.19	PM
10-19-94	1440	Steel tape	13.05	0.01	422.98	MM
11-14-94	1337	Steel tape	13.25	0.01	422.78	MM
12-21-94	1423	Steel tape	13.50	0.01	422.53	MM
01-19-95	NA	Steel tape	DRY	NA	NA	MM
05-17-95	0911	Steel tape	12.17	0.01	423.86	MM


Noyes Slough at O'Connor Road
SURFACE-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

Noyes Slough at Danby Street at Fairbanks
up-stream

Site ID: 1551400550
Local Number: FC00100103

All measurements in feet
Datum corrections, reference survey notes in site folders
Depth to bottom from MP: 17.30

Land Surface Datum: 415.00

Date	MP Elevation (feet above sea level)
06-23-93	438.34

CFS, cubic feet/second
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
RP, reference point
WS, water surface

Date	Time	Method	MP to WS	Error	WS elevation	Remarks
05-06-93	1623	Steel tape	15.22	0.01	423.12	PM
05-07-93	1347	Steel tape	15.19	0.01	423.15	PM
05-12-93	1400	Steel tape	13.42	0.01	424.92	PM
05-18-93	1150	Steel tape	13.44	0.01	424.90	PM
05-29-93	1442	Steel tape	16.55	0.01	421.79	PM
06-07-93	NA	Steel tape	17.19	0.01	421.15	PM
06-15-93	1847	Steel tape	17.24	0.01	421.10	MM
06-21-93	0945	Steel tape	16.20	0.01	422.14	PM
06-21-93	1635	Steel tape	16.25	0.01	422.09	PM
06-23-93	1835	Level rod	16.53	0.01	421.81	PM
06-25-93	1604	Steel tape	16.96	0.01	421.38	PM
06-30-93	1300	Steel tape	17.25	0.01	421.09	PM
07-08-93	1423	Steel tape	17.50	0.01	420.84	PM
07-08-93	1423	Steel tape	17.50	0.01	420.84	PM
07-16-93	0720	Steel tape	17.45	0.01	420.89	MM
07-21-93	1308	Steel tape	17.41	0.01	420.93	PM
07-21-93	1845	Steel tape	17.43	0.01	420.91	PM
07-28-93	1543	Steel tape	17.16	0.01	421.18	PM
08-05-93	1742	Steel tape	17.42	0.01	420.92	PM
08-11-93	1425	Steel tape	16.99	0.01	421.35	PM

Noyes Slough at Danby Street at Fairbanks
up-stream

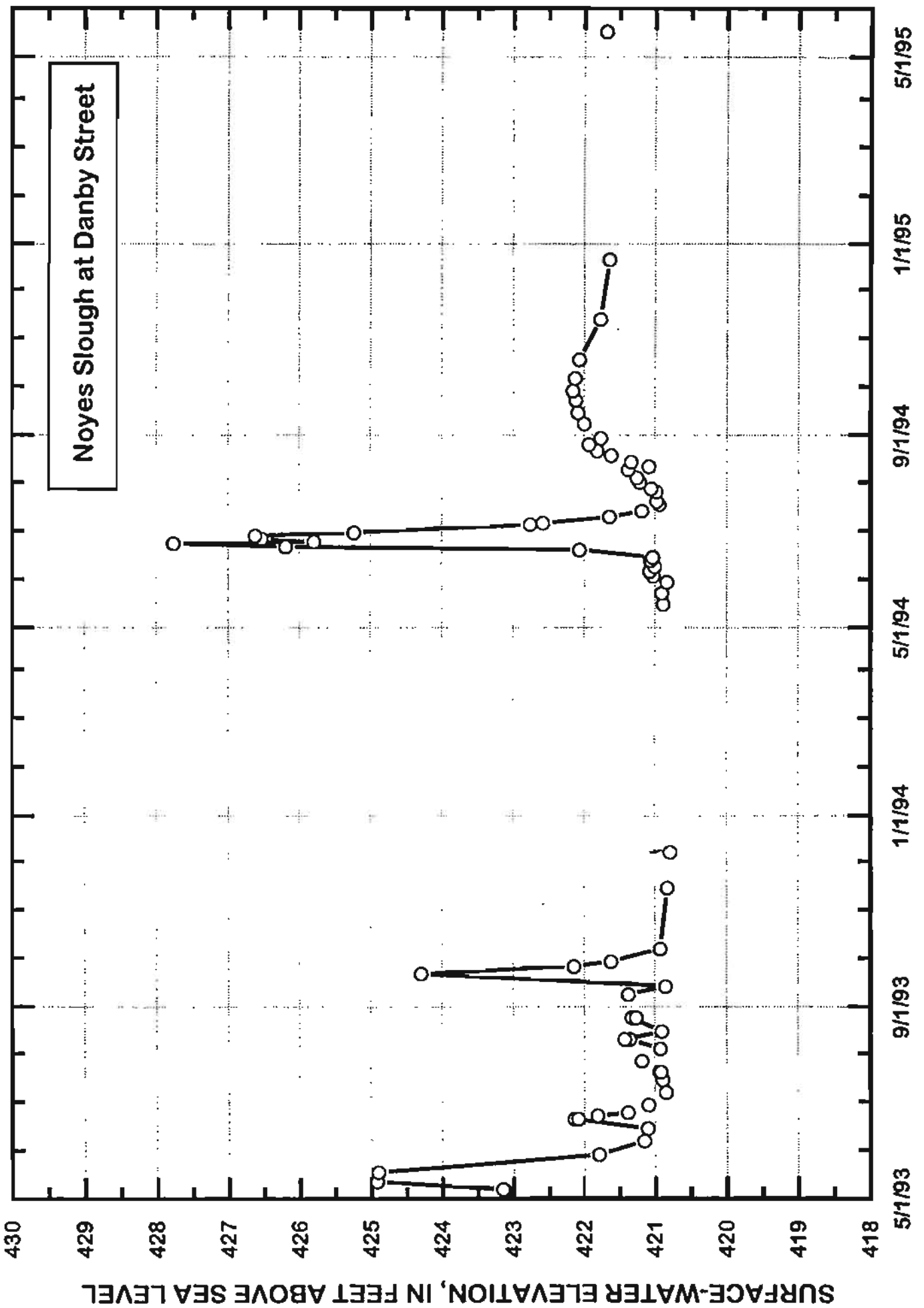
Site ID: 1551400550
Local Number: FC00100103

Date	Time	Method	MP to WS	Error	WS elevation	Remarks
08-11-93	1554	Steel tape	16.92	0.01	421.42	PM
08-16-93	1441	Steel tape	17.44	0.01	420.90	MM
08-25-93	1547	Steel tape	17.02	0.01	421.32	PM
08-25-93	2004	Steel tape	17.08	0.01	421.26	PM
09-09-93	1934	Steel tape	16.97	0.01	421.37	PM
09-14-93	1640	Steel tape	17.49	0.01	420.85	MM
09-22-93	1545	Steel tape	14.05	0.01	424.29	PM
09-27-93	1830	Steel tape	16.19	0.01	422.15	PM
09-30-93	1653	Steel tape	16.72	0.01	421.62	PM
10-08-93	NA	Steel tape	17.42	0.01	420.92	PM
11-16-93	1520	Steel tape	17.52	0.01	420.82	PM
12-02-93	1610	NA	NA	NA	NA	PM
12-09-93	NA	Steel tape	17.56	0.01	420.78	PM
12-13-93	1300	NA	NA	NA	NA	PM
12-23-93	1400	NA	NA	NA	NA	PM
01-20-94	1508	NA	NA	NA	NA	MM
05-16-94	1326	Steel tape	17.46	0.01	420.88	MM
05-23-94	1429	Steel tape	17.44	0.01	420.90	PM
05-30-94	1603	Steel tape	17.51	0.01	420.83	PM
06-03-94	1315	Steel tape	17.32	0.01	421.02	PM
06-06-94	1236	Steel tape	17.27	0.01	421.07	PM
06-09-94	1627	Steel tape	17.34	0.01	421.00	PM
06-13-94	1425	Steel tape	17.28	0.01	421.06	PM
06-15-94	1119	Steel tape	17.31	0.01	421.03	MM
06-20-94	1751	Steel tape	16.27	0.01	422.07	PM
06-22-94	1435	Steel tape	12.15	0.01	426.19	PM
06-24-94	1303	Steel tape	10.58	0.01	427.76	PM
06-25-94	1320	Steel tape	12.55	0.01	425.79	PM
06-27-94	1309	Steel tape	11.81	0.01	426.53	PM
06-29-94	1506	Steel tape	11.72	0.01	426.62	PM

Noyes Slough at Danby Street at Fairbanks
up-stream

Site ID: 1551400550
Local Number: FC00100103

Date	Time	Method	MP to WS	Error	WS elevation	Remarks
07-01-94	1535	Steel tape	13.11	0.01	425.23	PM
07-06-94	1607	Steel tape	15.58	0.01	422.76	PM
07-07-94	1212	Steel tape	15.76	0.01	422.58	PM
07-11-94	1550	Steel tape	16.70	0.01	421.64	PM
07-15-94	1220	Steel tape	17.16	0.01	421.18	MM
07-19-94	1605	Steel tape	17.41	0.01	420.93	PM
07-21-94	1744	Steel tape	17.37	0.01	420.97	PM
07-27-94	1116	Steel tape	17.36	0.01	420.98	PM
07-29-94	0941	Steel tape	17.29	0.01	421.05	PM
08-02-94	1446	Steel tape	17.13	0.01	421.21	PM
08-05-94	1403	Steel tape	17.09	0.01	421.25	PM
08-10-94	0931	Steel tape	16.97	0.01	421.37	PM
08-12-94	1455	Steel tape	17.26	0.01	421.08	PM
08-15-94	1223	Steel tape	17.01	0.01	421.33	MM
08-19-94	1540	Steel tape	16.73	0.01	421.61	PM
08-22-94	1323	Steel tape	16.53	0.01	421.81	PM
08-26-94	1604	Steel tape	16.41	0.01	421.93	PM
08-30-94	1538	Steel tape	16.58	0.01	421.76	PM
09-08-94	1619	Steel tape	16.34	0.01	422.00	PM
09-15-94	1550	Steel tape	16.25	0.01	422.09	MM
09-23-94	1458	Steel tape	16.22	0.01	422.12	PM
09-29-94	1120	Steel tape	16.18	0.01	422.16	PM
10-07-94	1444	Steel tape	16.21	0.01	422.13	PM
10-19-94	1450	Steel tape	16.27	0.01	422.07	MM
11-14-94	1333	Steel tape	16.57	0.01	421.77	MM
12-22-94	1123	Steel tape	16.70	0.01	421.64	MM
01-19-95	NA	Steel tape	DRY	NA	NA	MM
05-17-95	0917	Steel tape	16.65	0.01	421.69	MM


Noyes Slough at Danby Street
SURFACE-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

Noyes Slough At Aurora Drive at Fairbanks

Site ID: 1551400650
Local Number: FC00100104A

All measurements in feet
Datum corrections, reference survey notes in site folders

Land Surface Datum: 415.00

CFS, cubic feet/second
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
RP, reference point
WS, water surface

Date	MP Elevation (feet above sea level)	
06-24-93	441.96	RP1
07-09-94	441.96	RP2
07-09-94	441.85	RP3

Date	Time	Method	MP to WS	Error	WS elevation	Remarks
05-12-93	1400	Steel tape	17.57	0.01	424.39	PM
05-18-93	1145	Steel tape	17.54	0.01	424.42	PM
05-20-93	1545	Steel tape	19.99	0.01	421.97	PM
05-28-93	1554	Steel tape	19.45	0.01	422.51	PM
05-29-93	1445	Steel tape	20.58	0.01	421.38	PM
06-01-93	1640	Steel tape	21.40	0.01	420.56	PM
06-07-93	NA	Steel tape	21.15	0.01	420.81	PM
06-15-93	1921	Steel tape	21.23	0.01	420.73	MM
06-21-93	1004	Steel tape	20.84	0.01	421.12	PM
06-21-93	1635	Steel tape	20.24	0.01	421.72	PM
06-23-93	1940	Level	20.53	0.01	421.43	PM
06-25-93	1600	Steel tape	21.30	0.01	420.66	PM
06-30-93	1302	Steel tape	21.38	0.01	420.58	PM
06-30-93	1940	Steel tape	21.38	0.01	420.58	PM
07-08-93	0743	Steel tape	21.67	0.01	420.29	PM
07-08-93	1430	Steel tape	21.58	0.01	420.38	PM
07-16-93	0730	Steel tape	21.15	0.01	420.81	MM
07-21-93	1415	Steel tape	21.04	0.01	420.92	PM
07-21-93	1830	Steel tape	21.05	0.01	420.91	PM
07-28-93	1546	Steel tape	23.80	0.01	418.16	PM

Noyes Slough At Aurora Drive at Fairbanks (Continued) Site ID: 1551400650

Local Number: FC00100104A

Date	Time	Method	MP to WS	Error	WS elevation	Remarks
08-05-93	1803	Steel tape	21.30	0.01	420.66	PM
08-11-93	1400	Steel tape	20.58	0.01	421.38	
08-16-93	1444	Steel tape	21.13	0.01	420.83	MM
08-25-93	1947	Steel tape	20.69	0.01	421.27	PM
09-09-93	1950	Steel tape	20.67	0.01	421.29	PM
09-14-93	1647	Steel tape	21.21	0.01	420.75	MM
09-27-93	1820	Steel tape	20.09	0.01	421.87	PM
09-27-93	1330	Steel tape	20.33	0.01	421.63	PM
09-30-93	1643	Steel tape	20.59	0.01	421.37	PM
10-08-93	1550	Steel tape	21.47	0.01	420.49	MM
11-16-93	1510	Steel tape	21.64	0.01	420.32	MM
12-23-93	--	Steel tape	NA	0.01	NA	MM
01-20-94	1600	Steel tape	20.48	0.10	421.48	MM
05-16-94	1318	Steel tape	21.18	0.01	420.78	MM
05-23-94	1455	Steel tape	21.71	0.01	420.25	PM
05-30-94	1608	Steel tape	21.55	0.01	420.41	PM
06-03-94	1308	Steel tape	21.38	0.01	420.58	PM
06-06-94	1241	Steel tape	21.23	0.01	420.73	PM
06-09-94	1629	Steel tape	21.76	0.01	420.20	PM
06-09-94	1629	Steel tape	21.69	0.01	420.16	PM, RP3
06-13-94	1431	Steel tape	21.62	0.01	420.23	PM, RP3
06-15-94	1125	Steel tape	21.66	0.01	420.19	MM, RP3
06-20-94	1756	Steel tape	19.13	0.01	422.72	PM, RP3
06-20-94	1756	Steel tape	20.22	0.01	421.74	PM, RP1
06-22-94	1437	Steel tape	16.24	0.01	425.72	PM, RP2
06-22-94	1437	Steel tape	16.23	0.01	425.73	PM, RP1
06-24-94	1315	Steel tape	15.70	0.01	426.26	PM, RP1
06-24-94	1315	Steel tape	15.69	0.01	426.27	PM, RP2
06-25-94	1325	Steel tape	16.66	0.01	425.30	PM, RP1
06-27-94	1312	Steel tape	15.95	0.01	426.01	PM, RP1

Noyes Slough At Aurora Drive at Fairbanks (Continued)

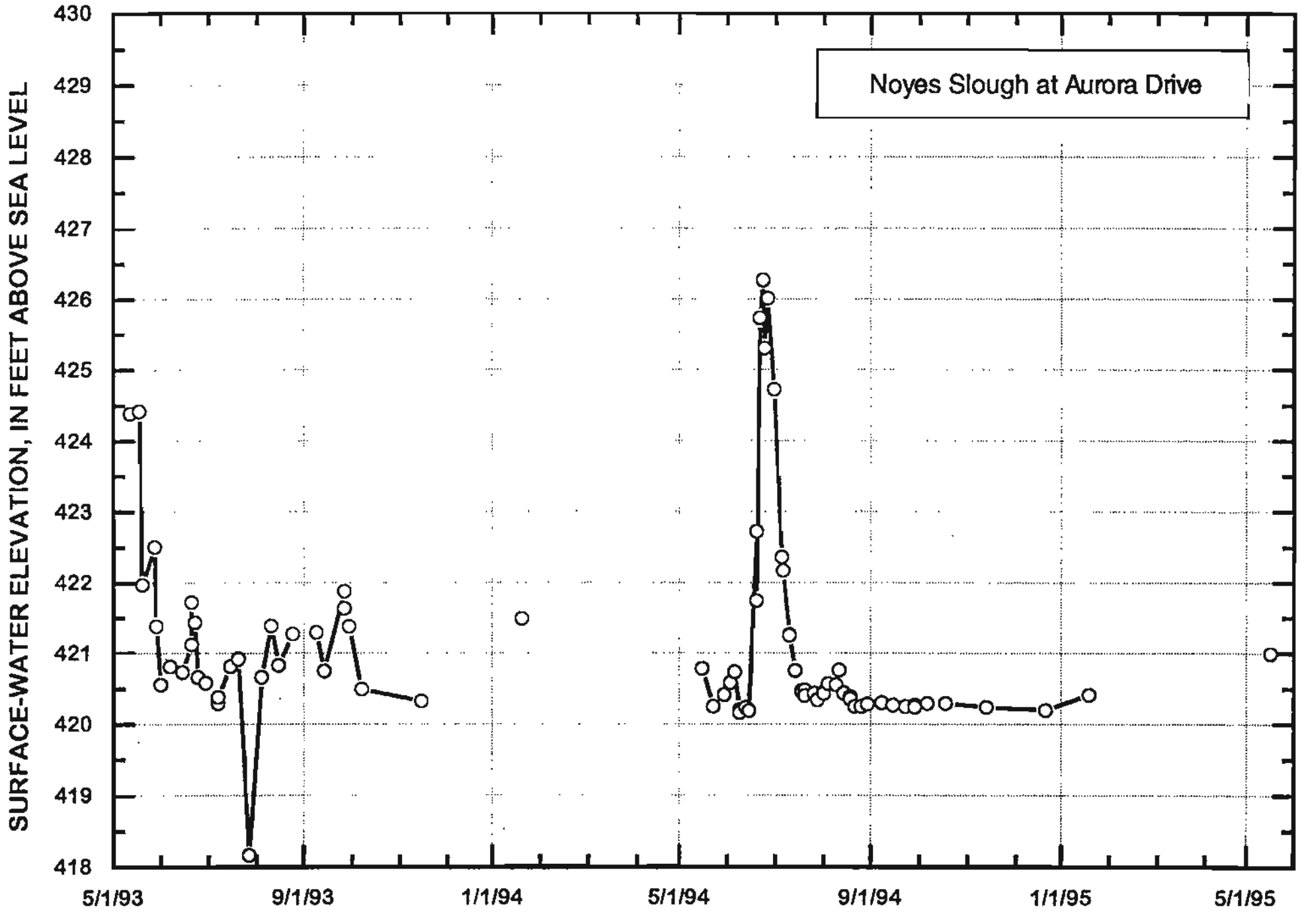
Site ID: 1551400650
Local Number: FC00100104A

Date	Time	Method	MP to WS	Error	WS elevation	Remarks
07-01-94	1540	Steel tape	17.24	0.01	424.72	PM, RP1
07-06-94	1600	Steel tape	19.49	0.01	422.36	PM, RP3
07-07-94	1257	Steel tape	19.68	0.01	422.17	PM, RP3
07-11-94	1555	Steel tape	20.70	0.01	421.26	PM, RP2
07-11-94	1555	Steel tape	20.60	0.01	421.25	PM, RP3
07-15-94	1211	Steel tape	21.20	0.01	420.76	MM, RP1
07-15-94	1211	Steel tape	21.20	0.01	420.76	MM, RP2
07-15-94	1211	Steel tape	21.10	0.01	420.75	MM, RP3
07-19-94	1611	Steel tape	21.49	0.01	420.47	PM, RP1
07-19-94	1611	Steel tape	21.39	0.01	420.46	PM, RP3
07-21-94	1748	Steel tape	21.54	0.01	420.42	PM, RP1
07-21-94	1748	Steel tape	21.48	0.01	420.48	PM, RP2
07-21-94	1748	Steel tape	21.45	0.01	420.40	PM, RP3
07-27-94	1109	Steel tape	21.42	0.01	420.43	PM, RP3
07-29-94	0934	Steel tape	21.51	0.01	420.34	PM, RP3
08-02-94	1451	Steel tape	21.52	0.01	420.44	PM, RP1
08-02-94	1451	Steel tape	21.51	0.01	420.45	PM, RP2
08-02-94	1451	Steel tape	21.42	0.01	420.43	PM, RP3
08-05-94	1409	Steel tape	21.28	0.01	420.57	PM, RP3
08-10-94	0938	Steel tape	21.41	0.01	420.55	PM, RP1
08-12-94	1500	Steel tape	21.09	0.01	420.76	PM, RP3
08-15-94	1228	Steel tape	21.52	0.01	420.44	MM, RP1
08-15-94	1228	Steel tape	21.42	0.01	420.43	MM, RP3
08-19-94	1545	Steel tape	21.57	0.01	420.39	MM, RP3
08-19-94	1545	Steel tape	21.60	0.01	420.36	PM, RP1
08-19-94	1545	Steel tape	21.50	0.01	420.35	PM, RP3
08-22-94	1328	Steel tape	21.60	0.01	420.25	PM, RP3
08-26-94	1608	Steel tape	21.60	0.01	420.25	PM, RP3
08-30-94	1541	Steel tape	21.57	0.01	420.28	PM, RP3
09-08-94	1623	Steel tape	21.55	0.01	420.30	PM, RP3

Noyes Slough At Aurora Drive at Fairbanks (Continued) Site ID: 1551400650

Local Number: FC00100104A

Date	Time	Method	MP to WS	Error	WS elevation	Remarks
09-15-94	1602	Steel tape	21.58	0.01	420.27	MM. RP3
09-23-94	1503	Steel tape	21.60	0.01	420.25	PM, RP3
09-29-94	1124	Steel tape	21.69	0.01	420.27	PM, RP1
09-29-94	1124	Steel tape	21.61	0.01	420.24	PM, RP3
10-07-94	1447	Steel tape	21.56	0.01	420.29	PM, RP3
10-19-94	1500	Steel tape	21.56	0.01	420.29	MM. RP3
11-14-94	1313	Steel tape	21.61	0.01	420.24	MM. RP3
12-22-94	1109	Steel tape	21.65	0.01	420.20	MM. RP3
01-19-95	NA	E-tape	21.44	0.01	420.41	MM. RP3
05-17-95	0930	Steel tape	20.97	0.01	420.99	MM. RP1


Noyes Slough at Aurora Drive
SURFACE-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

Noyes Slough at West Johansen Expressway at Fairbanks up-stream

Site ID: 1551401550
Local Number: FC00100108

All measurements in feet
Datum corrections, reference survey notes in site folders

Land Surface Datum: 415.00

CFS, cubic feet/second
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
RP, reference point
WS, water surface

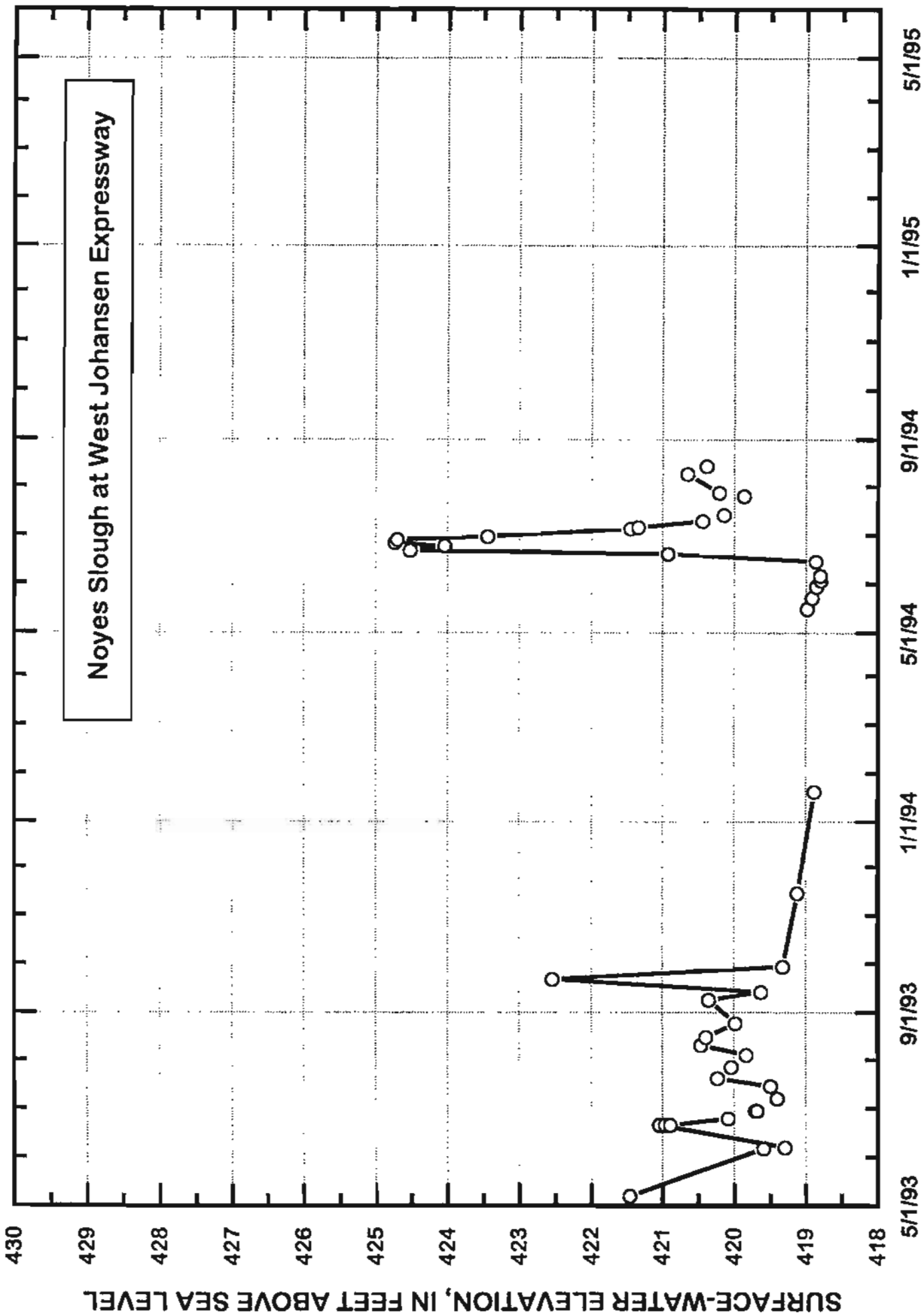
Date	MP Elevation (feet above sea level)
06-23-93	441.44

Date	Time	Method	MP to WS	Error	WS elevation	Remarks
05-07-93	1435	Steel tape	19.98	0.02	421.46	PM
06-06-93	1930	Steel tape	21.85	0.02	419.59	PM
06-07-93	1120	Steel tape	22.15	0.02	419.29	PM
06-21-93	0955	Steel tape	20.40	0.02	421.04	PM
06-21-93	1645	Steel tape	20.48	0.02	420.96	PM
06-21-93	1327	Steel tape	20.55	0.02	420.89	PM
06-25-93	1610	Steel tape	21.36	0.02	420.08	PM
06-30-93	1310	Steel tape	21.74	0.02	419.70	PM
06-30-93	1753	Steel tape	21.74	0.02	419.70	PM
06-30-93	1950	Steel tape	21.76	0.02	419.68	PM
07-08-93	1520	Steel tape	22.04	0.02	419.40	PM
07-16-93	1637	Steel tape	21.95	0.02	419.49	MM
07-21-93	1815	Steel tape	21.21	0.02	420.23	PM
07-28-93	1653	Steel tape	21.40	0.02	420.04	PM
08-05-93	1748	Steel tape	21.61	0.02	419.83	PM
08-11-93	1609	Steel tape	20.98	0.02	420.46	PM
08-16-93	2140	Steel tape	21.05	0.02	420.39	MM
08-25-93	1956	Steel tape	21.46	0.02	419.98	PM
09-09-93	1919	Steel tape	21.09	0.02	420.35	PM
09-14-93	1700	Steel tape	21.81	0.02	419.63	MM

Noyes Slough at West Johansen Expressway at Fairbanks
BRIDGE: upstream

Site ID: 1551401550
Local Number: FC00100108

Date	Time	Method	MP to WS	Error	WS elevation	Remarks
09-22-93	1612	Steel tape	18.90	0.02	422.54	PM
09-30-93	1930	Steel tape	22.12	0.02	419.32	PM
11-16-93	1153	Steel tape	22.32	0.02	419.12	MM
11-16-93	1215	Steel tape	22.32	0.02	419.12	MM
01-20-94	1000	Steel tape	22.56	0.03	418.88	MM
05-16-94	1520	Steel tape	22.46	0.01	418.98	MM
05-23-94	1642	Steel tape	22.53	0.01	418.91	PM
05-30-94	1632	Steel tape	22.59	0.01	418.85	PM
06-03-94	1224	Steel tape	22.65	0.01	418.79	PM
06-06-94	1253	Steel tape	22.64	0.01	418.80	PM
06-15-94	1111	Steel tape	22.58	0.01	418.86	MM
06-20-94	1804	Steel tape	20.52	0.01	420.92	PM
06-22-94	1450	Steel tape	16.92	0.01	424.52	PM
06-25-94	1332	Steel tape	17.40	0.01	424.04	PM
06-27-94	1318	Steel tape	16.71	0.01	424.73	PM
06-29-94	1550	Steel tape	16.74	0.01	424.70	PM
07-01-94	1545	Steel tape	18.00	0.01	423.44	PM
07-06-94	1650	Steel tape	19.99	0.01	421.45	PM
07-07-94	1049	Steel tape	20.10	0.01	421.34	PM
07-11-94	1600	Steel tape	21.00	0.01	420.44	PM
07-15-94	1247	Steel tape	21.30	0.01	420.14	MM
07-27-94	1211	Steel tape	21.58	0.01	419.86	PM
07-29-94	1101	Steel tape	21.23	0.01	420.21	PM
08-10-94	0953	Steel tape	20.79	0.01	420.65	PM
08-15-94	1245	Steel tape	21.06	0.01	420.38	MM


Noyes Slough at West Johansen Expressway
SURFACE-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
430
429
428
427
426
425
424
423
422
421
420
419
418
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

Noyes slough at Goldizen Road
Bridge: downstream

Site ID: not available
Local Number: not available

All measurements in feet
Datum corrections, reference survey notes in site folders
Depth to bottom from MP: 15.98

Date	MP Elevation (feet above sea level)
	431.21

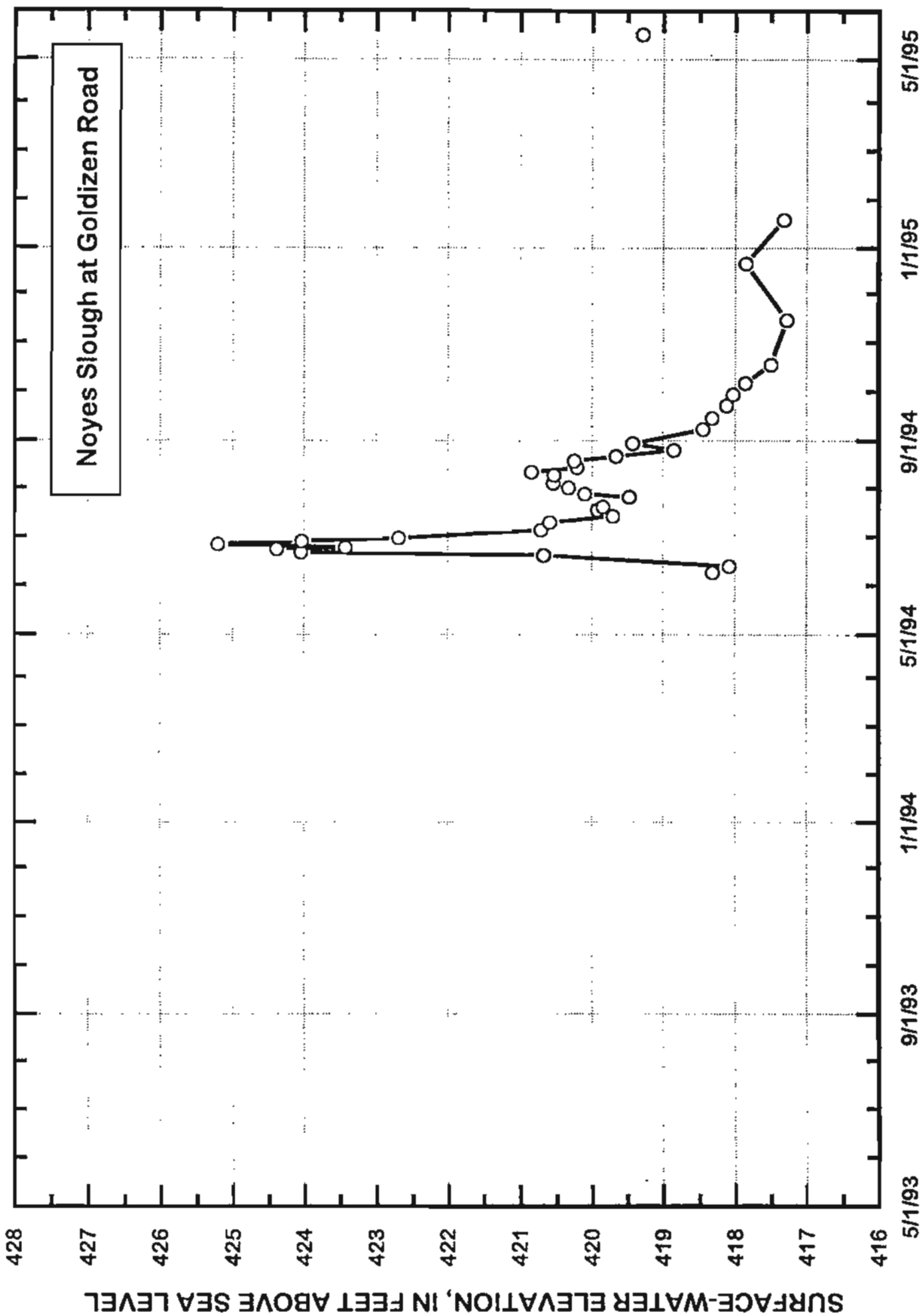
CFS, cubic feet/second
MM, mass measurement
MP, measuring point
NA, not available
PM, partial measurement
RP, reference point
WS, water surface

Date	Time	Method	MP to WS	Error	WS elevation	Remarks
06-09-94	1635	Steel tape	12.90	0.01	418.31	PM
06-13-94	1443	Steel tape	13.13	0.01	418.08	MM
06-20-94	1810	Steel tape	10.54	0.01	420.67	PM
06-22-94	1456	Steel tape	7.17	0.01	424.04	PM
06-24-94	1325	Steel tape	6.83	0.01	424.38	PM
06-25-94	1337	Steel tape	7.79	0.01	423.42	PM
06-27-94	1323	Steel tape	6.01	0.01	425.20	PM
06-29-94	1557	Steel tape	7.18	0.01	424.03	PM
07-01-94	1551	Steel tape	8.52	0.01	422.69	PM
07-06-94	1700	Steel tape	10.50	0.01	420.71	PM
07-11-94	1605	Steel tape	10.62	0.01	420.59	PM
07-15-94	1202	Steel tape	11.51	0.01	419.70	MM
07-19-94	1630	Steel tape	11.29	0.01	419.92	PM
07-21-94	1800	Steel tape	11.37	0.01	419.84	PM
07-27-94	1229	Steel tape	11.74	0.01	419.47	PM
07-29-94	1110	Steel tape	11.11	0.01	420.10	PM
08-02-94	1504	Steel tape	10.88	0.01	420.33	PM
08-05-94	1416	Steel tape	10.67	0.01	420.54	PM
08-10-94	1006	Steel tape	10.68	0.01	420.53	PM
08-12-94	1510	Steel tape	10.37	0.01	420.84	PM
08-15-94	1239	Steel tape	11.00	0.01	420.21	MM
08-19-94	1400	Steel tape	10.96	0.01	420.25	PM

NOYES SLOUGH AT GOLDIZEN
BRIDGE: downstream

Site ID: not available
Local Number: not available

Date	Time	Method	MP to WS	Error	WS elevation	Remarks
08-22-94	1338	Steel tape	11.55	0.01	419.66	PM
08-26-94	1617	Steel tape	12.36	0.01	418.85	PM
08-30-94	1551	Steel tape	11.79	0.01	419.42	PM
09-08-94	1633	Steel tape	12.76	0.01	418.45	PM
09-15-94	1612	Steel tape	12.89	0.01	418.32	MM
09-23-94	1513	Steel tape	13.09	0.01	418.12	PM
09-30-94	1421	Steel tape	13.18	0.01	418.03	PM
10-07-94	1457	Steel tape	13.35	0.01	417.86	PM
10-19-94	1510	Steel tape	13.71	0.01	417.50	MM
11-16-94	1103	Steel tape	13.93	0.01	417.28	MM
12-22-94	1137	Steel tape	13.36	0.01	417.85	MM
01-19-95	NA	E-tape	13.89	0.01	417.32	MM
05-17-95	0942	Steel tape	11.92	0.01	419.29	MM


Noyes Slough at Goldizen Road
SURFACE-WATER ELEVATION, IN FEET ABOVE SEA LEVEL
428
427
426
425
424
423
422
421
420
419
418
417
416
5/1/93
9/1/93
1/1/94
5/1/94
9/1/94
1/1/95
5/1/95

APPENDIX 1

Indexed list of project references in alphabetical order

ARRC1 Reference and Report List

Reports are numbered as they are received or obtained and processed. The numbering scheme does not indicate the author, date or intent of the report. Missing information or specific comments concerning the report are indicated in the index following each report.

Report #	Report
67	Alaska Department of Environmental Conservation, 1992, Standard quality assurance program plan for underground storage tank systems: Fairbanks, Alaska, March. 67 p.
69	_____1992, Letter regarding quality assurance program plan for underground storage tank systems to Gilfilian Engineering, Fairbanks, Alaska, 2 p.
78	_____1994, Oil spill report, Fairbanks, Alaska, 53 p.
86	Alaska Department of Transportation and Public Facilities, 1985, Engineering geology and soils report, Geist extension, Peger to College connector: Fairbanks, AK, 30 p.
87	_____1988, Noyes Slough Bridge near Illinois Street, Bridge # 1791: Anchorage, AK, 18 p.
89	_____1988, Engineering geology and soils report, Geist extension Illinois St. and Minnie St. connector: Fairbanks, AK, 14 p.
84	_____1988, Foundation report, Noyes Slough bridge near Illinois Street: Anchorage, Alaska, 20 p.
80	_____1988, Noyes Slough Bridge - Geist Road extension University Avenue to Peger Road: Anchorage, Alaska, 21 p.
85	_____1988, Chena River bridge widening at Peger Road: Anchorage, Alaska, 29 p.
81	_____1989, Engineering geology and soils report, Geist Road extension University Avenue to Peger Road, Northern Region Design and Construction: Fairbanks, Alaska, 20 p.
35	Alaska Petroleum Environmental Engineering Inc., 1991, Alaska Chevron Station underground storage tank site remediation quality assurance project plan 90-12015: Fairbanks, Alaska, variously paged.
45	_____1991, Alaska Chevron site characterization work plan 91-10013: Fairbanks Alaska, 6 p.
16	_____1992, Alaska Chevron, site characterization work plan: Fairbanks, Alaska, 11 p.
47	_____1992, Alaska Chevron revised site characterization work plan A-110132: Fairbanks, Alaska, 10 p.
36	_____1992, Results of the phase II environmental site investigation conducted at 333 Illinois Street: Fairbanks, Alaska, variously paged.

37 _____1992-93, Various short reports and memos pertaining to Dale's Alaska Chevron, 333 Illinois Street: Fairbanks, Alaska, variously paged.

46 _____1993, Alaska Chevron, Inc., Corrective action plan air sparging/vapor extraction system: Fairbanks, Alaska, 9 p.

41 America North Inc., 1990-1991, Alaska Gold USSR&M site; responses & reports pertaining to USSR&M site: Fairbanks, Alaska, variously paged.

27 _____1991, USSR&M site investigation report and proposed remedial plan: Nome, Alaska, variously paged.

40 America North/EMCON Inc., 1992, Remedial alternatives evaluation report USSR&M Site: Fairbanks, Alaska, variously paged.

39 _____1992, Workplan for excavation and disposal of contaminated soils USSR&M site: Fairbanks, Alaska, variously paged.

54 Bunch, Rufus, City of Fairbanks Engineering Dept, 1992, Site assessment for Municipal Utilities System Tank Farm Dike project: Fairbanks, Alaska, 8 p.

76 City of Fairbanks, 1969, Proposal to develop the Alaska Railroad Industrial area: Fairbanks, Alaska, 18 p.

79 Dames and Moore, 1993, Monitoring well installation, Minnie Street Land Users Group: Fairbanks, Alaska, 41 p.

19 Ecology and Environment, Inc., 1989, Site inspection report for USSR&M, Contract # 18-444-88: Fairbanks, Alaska, 26 p.

14 Environmental Systems, Inc., 1990, Nerlands property on Illinois St. - Gold Storage Room, project # UGVE-032: Fairbanks, Alaska, 6 p.

77 Fairbanks Metropolitan Area Transportation Study Policy Committee, 1985, Fairbanks Railroad Industrial area relocation: Fairbanks, Alaska, 63 p.

17 FPE/Roen Engineers, Inc., 1992, Alaska Gold building site, 612 Illinois Street, limited site sampling: Fairbanks, Alaska, 12 p.

62 Franklin & Allen Inc., 1985, MUS Chena Power Plant bulk fuel storage implementation plan: Fairbanks, Alaska, 41 p.

22 Gilfillan Engineering, Inc., 1991, UST removal environmental site assessment/groundwater characterization study for Kelly's Tire and Wheel, 269 Illinois Street: Fairbanks, Alaska, 13 p.

32 _____1991, Preliminary report on groundwater condition and proposed locations for additional groundwater monitoring wells Kelly's Tire and Wheel: Fairbanks, Alaska, variously paged.

33 _____1992, Environmental site assessment/groundwater characterization study for Kelly's Tire & Wheel: Fairbanks, Alaska, 6 p.

20 _____1993, Site assessment report for Kelly's Tire & Wheels; 269 Illinois Street: Fairbanks, Alaska, 21 p.

68 _____1993, Letter to ADEC regarding proposed pilot test of air sparging and soil vapor extraction wells at Alaska Chevron: Fairbanks, Alaska, 3 p.

65 _____1993, Proposed corrective action plan for 1995 at Alaska Chevron: Fairbanks, Alaska, 7 p.

66 _____1993, CAP-Task 1 site assessment for UST removal on Alaska Chevron: Fairbanks, Alaska, 10 p.

72 _____1994, Quarterly ground-water characterization report, Alaska Chevron: Fairbanks, Alaska, 7 p.

52 Golden Valley Electric Assoc., 1993, Letter to ADEC and chemistry results for GVEA. Fairbanks, Alaska, 5 p.

75 _____1994, Letter to ADEC and chemistry results for GVEA, Fairbanks, Alaska, 9 p.

48 Lazenby, C., 1990, Historical resources along Illinois Street, Fairbanks, Alaska: University of Alaska Fairbanks, Department of Anthropology, 237 p.

10 Martech Construction, Inc., 1989, Tank closure site environmental assessment of the OK Lumber site location: Fairbanks, Alaska, variously paged.

4 James M. Montgomery Consulting Engineers, Inc., 1984, Municipal Utilities System Water Treatment Plant, City of Fairbanks: Alaska, 12 p.

53 _____1984, Hydrologic evaluation and aquifer test analysis, Municipal Utilities System: Fairbanks, Alaska, 12 p.

31 Nortech, 1993, Lucky Sourdough interim report: Fairbanks, Alaska, 17 p.

64 PTI Environmental Services, 1990, Transport of benzene in the unsaturated zone at the MUS Power Plant site: Fairbanks, Alaska, 18 p.

61 Radian Corporation, 1991, Recommended remedial alternative for contaminated soils, Municipal Utilities System: Fairbanks, Alaska, variously paged.

88 R&M Engineering Consultants, Foundation investigation and recommendations, Illinois connector and pedestrian bridges, Geist Rd. extension, Aurora to Lemeta: Fairbanks Alaska, 12 p.

90 _____1986, Centerline soils investigation report, Geist Road extension, Lemeta to Birch Hill and College Road: Fairbanks, Alaska, 12 p.

82 _____1987, Geist Road extension Noyes Slough bridges design reports and correspondence, Fairbanks, Alaska, 12 p.

83 _____ 1987, Foundation investigation and recommendations Illinois Street connector and pedestrian bridges, Fairbanks, Alaska, 14 p.

56 ROEN Design Associates, Inc. Geotechnical Consultants, 1989, Water system master plan, Municipal Utilities System: Fairbanks, Alaska, variously paged.

8 RZA-AGRA Engineering & Environmental Services, 1992, Phase I & II environmental site assessment; Alaska Railroad Corporation/Nerland Corporation leaseholds: Fairbanks, Alaska, variously paged.

26 _____1993, Preliminary report, GVEA RR/Industrial complex chemistry: Fairbanks, Alaska, 15 p.

49 _____1993, Monitoring well soil analytical results and GVEA purchasing orders: Fairbanks, Alaska, variously paged.

18 _____1993, Final report, Results of ground water sampling, Nerlands leasehold property: Fairbanks, Alaska, 5 p.

51 _____1993, Interim report, Subsurface investigation, GVEA: Fairbanks, Alaska, 44p.

57 Shannon & Wilson, Inc., 1987, Power plant petroleum spill cleanup project, Municipal Utilities System: Fairbanks, Alaska, 18 p.

13 _____1988, Progress report, Hydrocarbon recovery operations, Saupe Enterprises Bulk Plant: Fairbanks, Alaska, 6 p.

6 _____ 1988, Progress report, Hydrocarbon recovery operations, Saupe Enterprises Bulk Plant: Fairbanks, Alaska, 3 p.

7 _____1988, Installation of five new monitoring wells, Saupe Enterprises Bulk Plant: Fairbanks, Alaska, 16 p.

23 _____1989, Soil contamination investigation, Geist Road extension Illinois Street: Fairbanks, Alaska, variously paged.

1 _____1989, Preliminary hazardous waste site evaluation, proposed Minnie Street connector: Fairbanks, Alaska, 31 p.

44 _____1989, Soil sampling and installation of groundwater monitoring wells, Petroleum Sales: Fairbanks, Alaska, 10 p.

55 _____1990, Site contamination assessment report, MUS Power Plant petroleum product spill cleanup project: Fairbanks, Alaska, variously paged.

38 _____1990, Exploratory drilling and sampling program for Illinois Street widening and Minnie Street connector projects: Fairbanks, Alaska, 2 p.

34 _____1990, Monitoring of underground tank removal, 1733 Well Street: Fairbanks, Alaska, 12 p.

2 _____1990, Final report Illinois Street and Minnie Street connector, hazardous waste field investigations, phase II: Fairbanks, Alaska, 46 p.

12 _____1991, Contamination of a Municipal Well Field; A case history of a phased approach to site characterization and remediation: Fairbanks, Alaska, variously paged.

11 _____1991, Hazardous waste assessment; Illinois Street & Minnie Street Connector: Fairbanks, Alaska, 38 p.

5 _____1991, Installation of ground-water monitoring wells, 1733 Well Street: Fairbanks, Alaska, 3 p.

42 _____1991, Environmental studies regarding groundwater quality at Sourdough Express: Fairbanks, Alaska, 11 p.

29 _____1991, Monitoring removal of underground fuel storage tank at Sig Wold Storage and Transfer Inc., 1301 Well St.: Fairbanks, Alaska, 15 p.

25 _____1991, Project work plans Illinois Street contaminated soil removal plan: Fairbanks, Alaska, 22 p.

24 _____1991, Contaminated soil removal, Illinois Street right of way: Fairbanks, Alaska, variously paged.

28 _____1991, Underground storage tank closure and site assessment, Sourdough Express, 600 Driveway Street: Fairbanks, Alaska, 11 p.

3 _____1992, Preliminary assessment of potential off-site hydrocarbon source, Municipal Utilities System, Fire Well 3: Fairbanks, Alaska, 20 p.

60 _____ 1992, Environmental drilling and laboratory services, MUS Power Plant: Fairbanks, Alaska, 5 p.

21 _____1992, Geist/Johanson expressway, Illinois Street hazardous waste investigation: Fairbanks, Alaska, 17 p.

30 _____1992, Project work plans release investigation Sig Wold Storage and Transfer, Inc. UST Site: Fairbanks, Alaska, 12 p.

50 _____1993, Release investigation, Sig Wold Storage And Transfer, 1301 Well St. Fairbanks, Alaska. April 26. 24 p.

73 _____1994, Release investigation, Sig Wold Storage and Transfer, Inc.: Fairbanks, Alaska, 13 p.

70 _____1994, Well logs for monitoring wells at Saupe Enterprises: Fairbanks, Alaska. variously paged.

71 _____1994, Data showing impact of gravel pit dewatering on ground-water levels in the Minnie Street area: Fairbanks, Alaska, 9 p.

74 _____1994, Work plan, preliminary site investigation Phillips Field Road upgrade, Fairbanks, Alaska, 19 p.

43 State of Alaska Department of Highways Materials Section, 1967, Materials report College Road project no. F-037-1(20) Fairbanks district: Fairbanks, Alaska, 55 p.

15 Swan Drilling, 1986, Drilling logs and well measurements at Willner's Texaco: Fairbanks Alaska, 5 p.

59 URS Corporation, 1987, Water Treatment Plant water supply development project: Fairbanks, Alaska, 88 p.

63 VRCA Environmental Services Inc., 1991, MUS Power Plant monitoring well installation: Fairbanks, Alaska, variously paged.

9 Woodward-Clyde Consultants, 1988, Fairbanks fuel facility: Fairbanks, Alaska, 46 p.

58 _____1991, Environmental audit, Municipal Utilities System garage/warehouse: Fairbanks, Alaska, variously paged.