

# **Ground-Water and Surface-Water Elevations in the Fairbanks International Airport Area, Alaska, 1990-94**

*By David V. Claar and Michael R. Lilly*

---

**U.S. GEOLOGICAL SURVEY**

**Open-File Report 95-382**

Prepared in cooperation with the

**ALASKA DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES, FAIRBANKS INTERNATIONAL AIRPORT**



**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

|                                                 |   |
|-------------------------------------------------|---|
| Abstract .....                                  | 1 |
| Introduction .....                              | 1 |
| Hydrologic setting .....                        | 1 |
| Ground-water sites .....                        | 5 |
| Surface-water sites .....                       | 5 |
| Survey data .....                               | 5 |
| Ground-water and surface-water elevations ..... | 6 |
| References cited .....                          | 6 |
| Water-elevation tables and hydrographs .....    | 9 |

## PLATES [Plates in pocket]

1. Map showing geohydrologic data-collection sites, Fairbanks International Airport study area.
2. Map showing geohydrologic data-collection sites in the former fire-training area, Fairbanks International Airport.

## FIGURES

1. Map showing location of Fairbanks, Alaska, and the Fairbanks International Airport study area .....
2. Hydrograph showing water-surface elevations of the Tanana and Chena Rivers at Fairbanks gaging stations for calendar years 1991 to 1994 .....
3. Diagram showing derivation of local number from the official rectangular subdivision of public lands .....

## TABLE

1. Ground- and surface-water data-collection sites, Fairbanks International Airport area .....

## CONVERSION FACTORS, VERTICAL DATUM, AND ABBREVIATIONS

|                                | Multiply | By      | To obtain        |
|--------------------------------|----------|---------|------------------|
| foot (ft)                      |          | 0.3048  | meter            |
| mile (mi)                      |          | 1.609   | kilometer        |
| square mile (mi <sup>2</sup> ) |          | 2.59    | square kilometer |
| foot per second (ft/s)         |          | 0.3048  | meter per second |
| gallon per minute (gal/min)    |          | 0.06308 | liter per second |

### Vertical Datum:

In this report, "sea level" refers to the National Geodetic Vertical Datum of 1929 (NVGD of 1929), a geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.

### 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 points.

# Ground-Water and Surface-Water Elevations in the Fairbanks International Airport Area, Alaska, 1990-94

By David V. Claar and Michael R. Lilly

## Abstract

Ground-water and surface-water elevation data were collected at 52 sites from 1990 to 1994 by the U.S. Geological Survey in cooperation with the Alaska Department of Transportation and Public Facilities, Fairbanks International Airport. Water elevations were measured in 32 ground-water observation wells and at 20 surface-water sites to help characterize the geohydrology of the Fairbanks International Airport area. From 1990 to 1993, data were collected in the vicinity of the former fire-training area at the airport. From 1993 to 1994, the data-collection area was expanded to include the entire airport area.

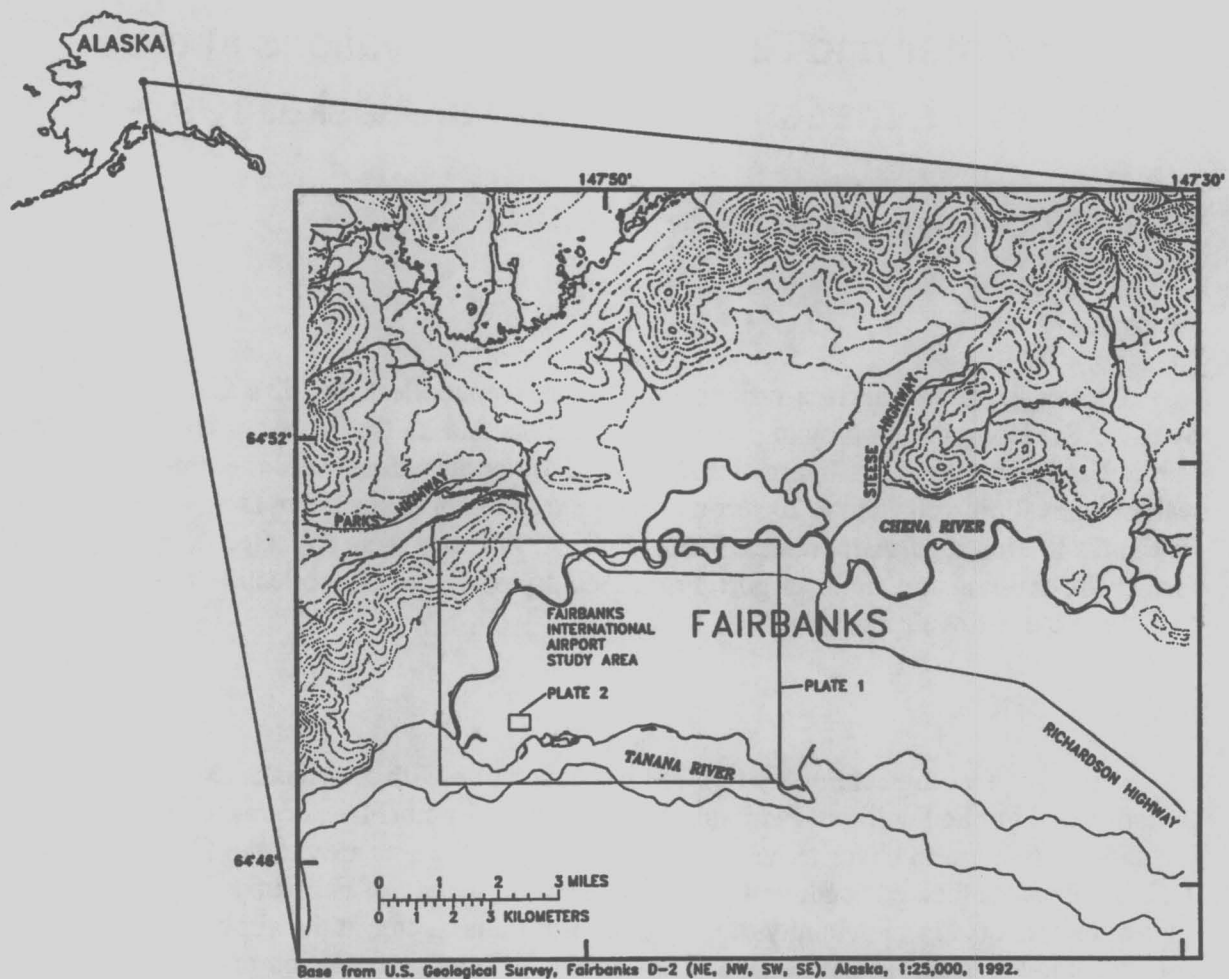
## INTRODUCTION

The U.S. Geological Survey (USGS) in cooperation with the Alaska Department of Transportation and Public Facilities, Fairbanks International Airport (FIA), is presently (1995) conducting an investigation to characterize the geohydrology of the area around the FIA (fig. 1 and plate 1). The airport is located southwest of and adjacent to the city of Fairbanks. From 1990 to 1993, data were collected in the vicinity of the former fire-training area at the airport to characterize the geohydrologic conditions in this area. The current study is an expansion of work started in 1990 and includes the entire airport area. This report presents ground-water and surface-water-elevation data that were collected between October 1990 and October 1994.

Water elevations at many of the ground-water and surface-water sites were collected at monthly intervals. In addition, water-elevation data at selected sites were collected at more frequent intervals to document short-term changes in ground-water elevations caused by rapid stage changes of the Chena and Tanana Rivers. All ground-water data are maintained in the USGS Ground-Water Site Inventory (GWSI) data base. Surface-water data are in the USGS Automatic Data Acquisition and Processing System (ADAPS) data base (table 1).

## HYDROLOGIC SETTING

The FIA study area occupies about 8 mi<sup>2</sup> of the flood plain between the Chena and Tanana Rivers at their confluence (plate 1). The former FIA fire-training area encompasses about 0.1 mi<sup>2</sup> near the southwest corner of the FIA (plates 1 and 2). The subsurface material at the study area and most of the surrounding area is composed of alluvial sand and gravel, known as the Chena Alluvium, deposited by the Tanana River (Péwé and others, 1976). Originally, the Chena River entered the Tanana River about 7 mi east of Fairbanks. In 1940, the U.S. Army Corps of Engineers blocked several sloughs between the Chena and Tanana Rivers, redefining the mouth of the Chena River to a location 7 mi southwest of Fairbanks (T.L. Péwé, written commun., 1995). Sediment facies within the deposits are laterally discontinuous as is typical of braided river deposits (Rust,



**Figure 1.** Location of Fairbanks, Alaska, and the Fairbanks International Airport study area.

1978). The thickness of these deposits is unknown but may be in excess of 500 ft (Nelson, 1978). Chena Ridge, which is located north of the Chena River along the northwest boundary of the study area, is part of a metamorphic system that forms the Yukon-Tanana Upland (Anderson, 1970).

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.

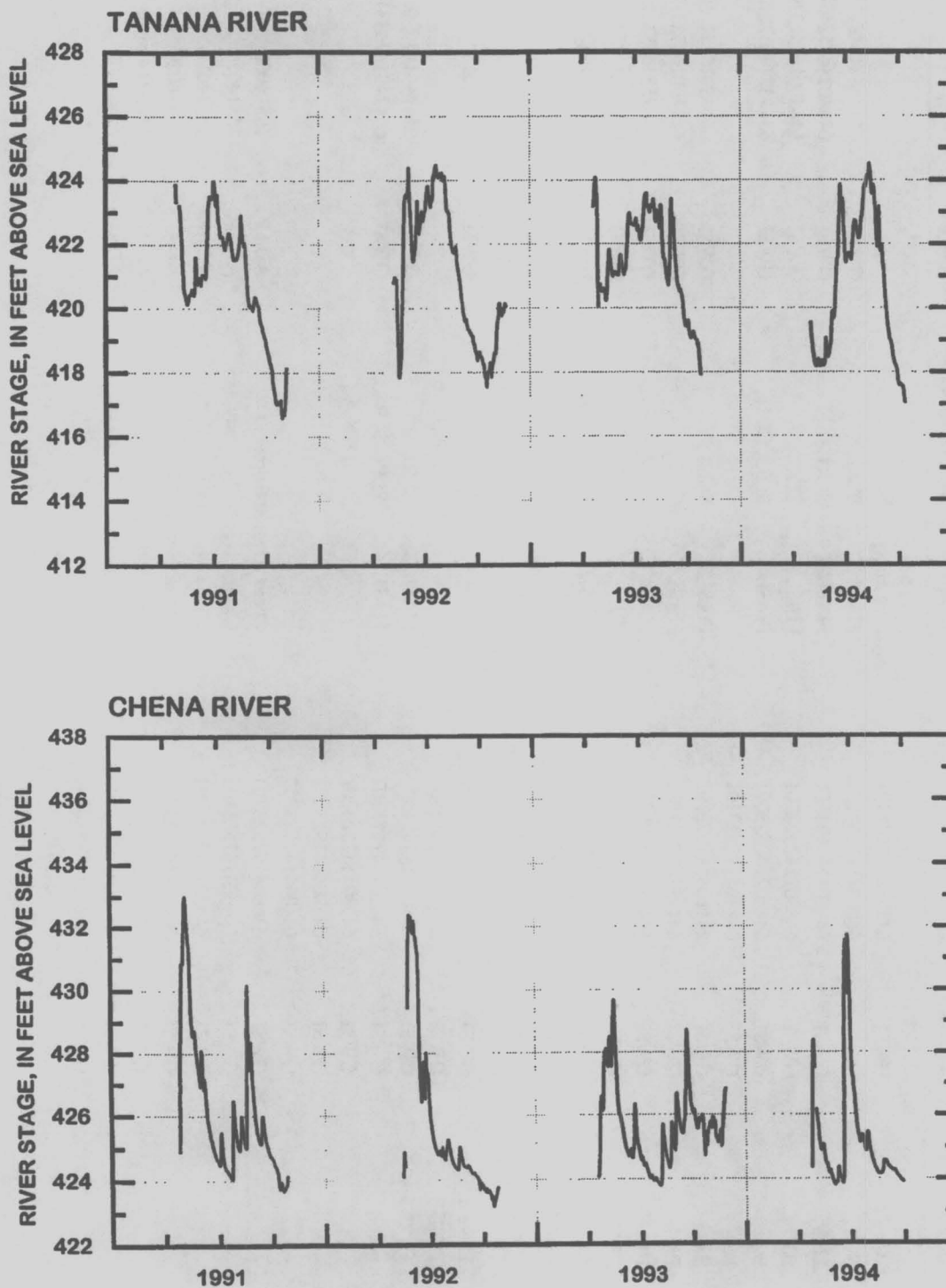
Stages in the reach of the Chena River within the study area are affected by backwater from the Tanana River, as well as by variation in flow in the Chena River. Flows in the Chena River rise during spring snowmelt runoff and late summer rainfall runoff (fig. 2). Ice also covers most of the Chena River during the winter season, although long reaches may remain ice free throughout the winter.



**Table 1. Ground- and surface-water data-collection sites, Fairbanks International Airport area.**

[ - indicates no previously used name]

| Site name<br>this report       | Site name<br>previously used | USGS<br>data base | Site ID          |
|--------------------------------|------------------------------|-------------------|------------------|
| <b>Ground-water sites</b>      |                              |                   |                  |
| FIA1                           | -                            | GWSI              | 644954147502901  |
| FIA2                           | IGW                          | GWSI              | 644804147523201  |
| FIA3                           | LFW                          | GWSI              | 644804147523501  |
| FIA4                           | B1                           | GWSI              | 644802147522701  |
| FIA5                           | B2                           | GWSI              | 644802147523001  |
| FIA6                           | B3                           | GWSI              | 644804147523101  |
| FIA7                           | B4                           | GWSI              | 644804147522301  |
| FIA8                           | P111                         | GWSI              | 644752147541101  |
| FIA9                           | PTAN                         | GWSI              | 644758147520601  |
| FIA10                          | CP60                         | GWSI              | 644800147520901  |
| FIA11                          | DEC1                         | GWSI              | 644804147523301  |
| FIA12                          | DEC2                         | GWSI              | 644805147523301  |
| FIA13                          | -                            | GWSI              | 644922147492701  |
| FIA14                          | -                            | GWSI              | 644944147493801  |
| FIA15                          | TH93-1                       | GWSI              | 644936147483501  |
| FIA16                          | TH93-3                       | GWSI              | 644950147483501  |
| FIA17                          | TH93-5                       | GWSI              | 645001147484001  |
| IG1                            | -                            | GWSI              | 644804147523302  |
| IG2                            | -                            | GWSI              | 644804147523202  |
| IG3                            | -                            | GWSI              | 644804147523001  |
| IG4                            | -                            | GWSI              | 644804147523203  |
| IG5                            | -                            | GWSI              | 644804147523204  |
| IG6                            | -                            | GWSI              | 644804147523102  |
| IG7                            | -                            | GWSI              | 644804147523002  |
| IG8                            | -                            | GWSI              | 644804147523003  |
| IG9                            | -                            | GWSI              | 644804147523303  |
| IG10                           | -                            | GWSI              | 644804147523005  |
| IG11                           | -                            | GWSI              | 644804147523304  |
| IG12                           | -                            | GWSI              | 644804147523305  |
| TR1                            | -                            | GWSI              | 644804147522901  |
| TR2                            | -                            | GWSI              | 644804147522902  |
| TR3                            | -                            | GWSI              | 644804147523004  |
| <b>Surface-water sites</b>     |                              |                   |                  |
| <b>Sloughs and ponds</b>       |                              |                   |                  |
| FIASL1                         | SLS1                         | GWSI              | 644944147494001  |
| FIASL2                         | SLR1, CU5                    | GWSI              | 644807147524501  |
| FIASL3                         | SLR2                         | GWSI              | 644800147523301  |
| FIASL4                         | SLR3, CU1a, CU1b, CU1c       | GWSI              | 644757147522701  |
| FIASL5                         | SLR4                         | GWSI              | 644752147522101  |
| FIASL6                         | CU4                          | GWSI              | 644750148523701  |
| FIASL7                         | SLR8, SLR12                  | GWSI              | 644758147532701  |
| FIASL8                         | CU2                          | GWSI              | 644749147533301  |
| FIASL9                         | SLR7b, SLR7c, SLR7d, SLR7e   | GWSI              | 644742147541501  |
| FIASL10                        | CU3, SLR9                    | GWSI              | 644814147523901  |
| FIASL11                        | SLR13, SLR13b                | GWSI              | 644915147515001  |
| FIASL12                        | SLR14, SLR14b, CU6           | GWSI              | 644916147514601  |
| FIASL13                        | SLS3                         | GWSI              | 644944147494001  |
| FIASL14                        | SLR6, SLR10, SLR11, SLS2     | GWSI              | 644749147533101  |
| <b>Rivers</b>                  |                              |                   |                  |
| Chena River at Fairbanks       |                              | ADAPS             | 15514000         |
| Chena River at University Ave. |                              | ADAPS             | 15514016         |
| Chena River at Parks Highway   |                              | ADAPS             | 15514018         |
| Chena River at Pike's Landing  |                              | ADAPS             | 15514020         |
| Tanana River at Peger Road     |                              | ADAPS             | Not yet assigned |
| Tanana River at Fairbanks      |                              | ADAPS             | 15485500         |



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



The depth to ground water below the land surface is less than 10 ft throughout most of the study area. Ground-water elevations respond to changes in stage of the Chena and Tanana Rivers. No major withdrawals of ground water within the study area affect regional ground-water levels. However, water levels within the former fire-training area were affected by small-scale pumping during short periods of time when ground-water remediation experiments were conducted during the summer of 1992. The College Utilities Corporation also withdraws water from wells on the north side of the Chena River close to the northeast corner of the study area. The effect of these withdrawals on water levels within the study area is unknown, but is thought to be insignificant over most of the study area.

## **GROUND-WATER SITES**

During this study, water elevations were measured in 32 wells, 23 of which are in the former fire-training area (plates 1 and 2, and table 1). All wells are shallow—less than 30 ft deep—and most are screened at the water table. Data from some of the wells have been previously reported or released to the public using well names that are different from those used in this report. Present and previous names are cross referenced in table 1.

The water elevation in a well was determined by using either a steel tape and chalk or an electric tape to measure the vertical distance between a measuring point and the water surface. The electric tapes were calibrated against steel tapes and correction factors were applied. Replicate measurements were taken at each well until depth-to-water readings were duplicated within 0.01 ft for measurements made by steel tapes and within 0.02 ft for those made by electric tapes. The measuring points at all wells used in this study were labeled to avoid errors.

## **SURFACE-WATER SITES**

Surface-water elevations were measured at 20 sites: 4 on the Chena River, 2 on the Tanana River, and 14 on miscellaneous sloughs and ponds (plates 1, 2 and table 1). The Chena River at Fairbanks gaging station (not shown on plate 1) is located about 0.5 mi downstream from the Steese Highway bridge. The sloughs and ponds act as retention ponds for snowmelt and rainfall runoff. Water elevations in sloughs, ponds, and selected river sites 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. At stream-gaging stations, water elevations were determined by using wire-weight gages on bridges, by surveying to the water surface, or by water-level sensors interfaced with a continuous stage recorder. In the winter, holes were cut through the ice to measure water elevations.

## **SURVEY DATA**

Elevation of reference points at all water-elevation measuring sites in this study were surveyed to the National Geodetic Vertical Datum of 1929. The datum is called "sea level" in this report. The reference benchmark located on the main airport runway is K 60 (U.S. Coast and Geodetic Survey, 1966). The elevation of K 60 used for this study and used by the Fairbanks International Airport is 432.95 ft. This elevation is 0.02 ft higher than the elevation given by the U.S. Coast and Geodetic Survey (1966). Before June 1992, the USGS used a different benchmark; pre-

viously released elevations may differ from those given in this report. The elevations of reference points forming the FIA vertical survey net were connected to the vertical survey net used by the USGS in a study of the University of Alaska area, located northeast of the FIA.

Selected wells were re-surveyed to check and adjust elevations for frost jacking. Frost jacking occurs mainly in late spring or early summer, after the snow has melted. Updated measuring point elevations are applied to water elevations after the estimated time of movement. Horizontal locations of sites were determined by horizontal ground surveys, satellite-based global positioning systems, and from maps of the study area.

## GROUND-WATER AND SURFACE-WATER ELEVATIONS

The remainder of this report consists of a section called "Water-Elevation Tables and Hydrographs." This section shows ground-water and surface-water data collected in the Fairbanks International Airport area between 1990 and 1994. Data for each site consist of water elevations 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 selection of sites.

Tables: Each table showing water elevations contains information about the site, well construction, and each measurement made at the site. Land surface (LS) is the average elevation of the ground immediately surrounding the well, rebar, culvert, or staff gage at each site. The measuring point (MP) is the point of known elevation from which all water-elevation measurements are taken. The site identification (ID) is based on latitude and longitude and is the primary identifier used in the USGS data bases GWSI and ADAPS. The local number is based on the State Rectangular Coordinate System, defined by base and meridian, township, range, section, and quarter section to the fourth order number (fig. 3).

Hydrographs: Each hydrograph shows all data presented on the corresponding water-elevation table. Each point on the hydrograph represents a measured water elevation. Uniform time and elevation scales for each hydrograph are used to allow direct comparison between hydrographs. Data points are plotted and connected with lines. These lines show the estimated trends between measurements; however, the connecting lines do not reflect any shorter period stage changes that may have occurred between measurements. No trend lines were drawn between points 2 months or more apart.

## 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, 1:24000, 1 sheet.
- 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, September, 26 p.

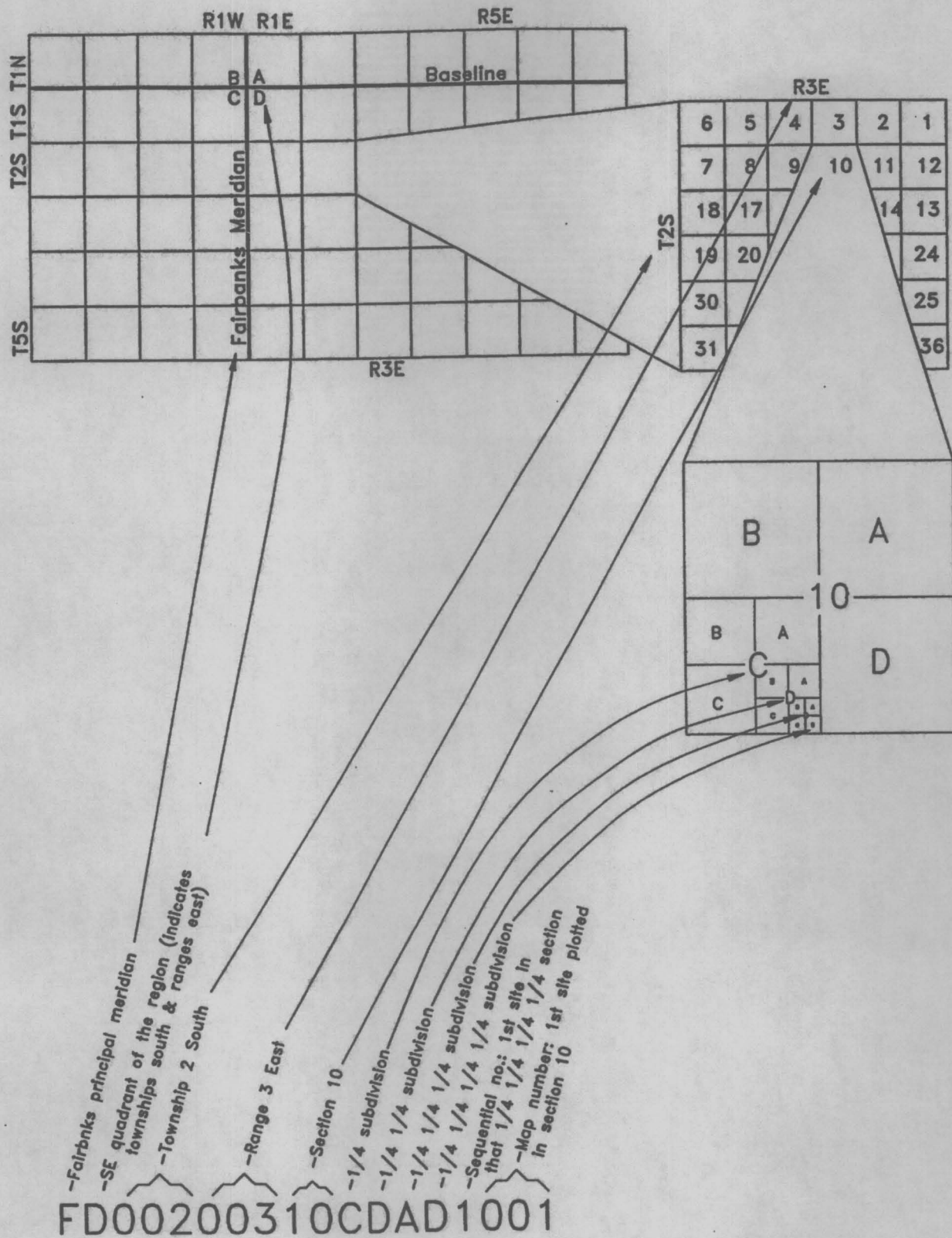


Figure 3. Derivation of local number from the official rectangular subdivision of public lands.





---

## **WATER-ELEVATION TABLES AND HYDROGRAPHS**

---

FIA1 GROUND-WATER OBSERVATION WELL  
Well at FAA facility

Site ID: 644954147502901  
Local Number: FC00100118BBCD1 003

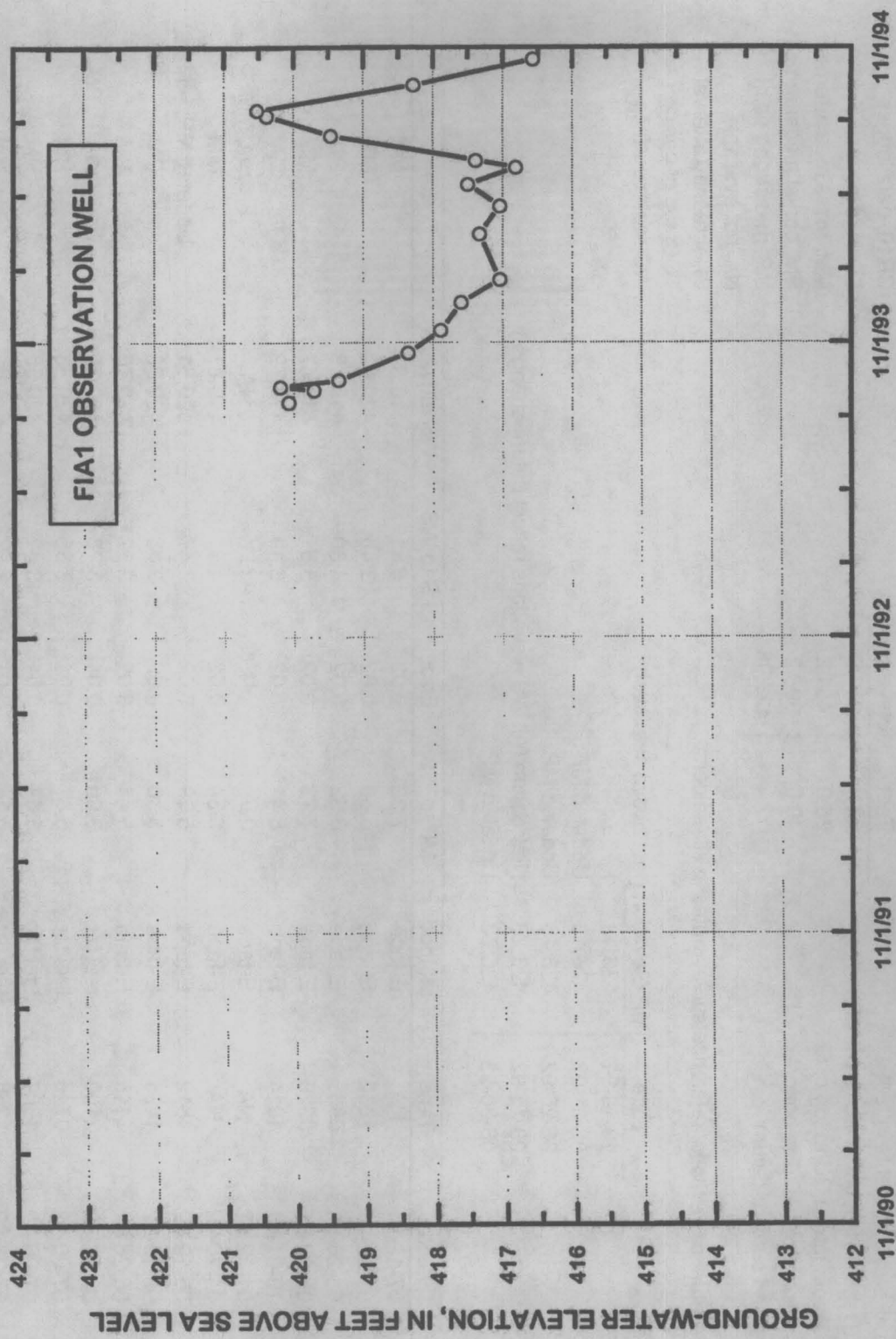
| All measurements in feet          | Feet | Elevation |
|-----------------------------------|------|-----------|
| Depth to bottom of well from MP : | NA   | NA        |
| Depth from TOC to top of SI :     | NA   | NA        |
| Depth from TOC to bottom of SI :  | NA   | NA        |
| Land surface datum:               |      | 430.09    |

CR10, data logger  
LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
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) |
|----------|-------------------------------------|
| 10-12-93 | 425.04                              |

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks            |
|----------|------|------------|----------|-------|----------|--------------|--------------------|
| 08-19-93 | 0920 | Steel tape | 4.97     | 0.01  | 10.02    | 420.07       | MM                 |
| 09-03-93 | 1332 | Steel tape | 5.33     | 0.01  | 10.38    | 419.71       | Installed CR10, PM |
| 09-07-93 | 1545 | Steel tape | 4.85     | 0.01  | 9.90     | 420.19       | PM                 |
| 09-15-93 | 1345 | Steel tape | 5.69     | 0.01  | 10.74    | 419.35       | MM                 |
| 10-19-93 | 1412 | Steel tape | 6.68     | 0.01  | 11.73    | 418.36       | MM                 |
| 11-16-93 | 1223 | Steel tape | 7.15     | 0.01  | 12.20    | 417.89       | MM                 |
| 12-21-93 | 1204 | Steel tape | 7.45     | 0.01  | 12.50    | 417.59       | MM                 |
| 01-18-94 | 1253 | Steel tape | 8.00     | 0.01  | 13.05    | 417.04       | MM                 |
| 03-16-94 | 1053 | Steel tape | 7.71     | 0.01  | 12.76    | 417.33       | MM                 |
| 04-19-94 | 1508 | Steel tape | 8.00     | 0.01  | 13.05    | 417.04       | MM                 |
| 05-16-94 | 1030 | Steel tape | 7.55     | 0.01  | 12.60    | 417.49       | MM                 |
| 06-06-94 | 0922 | Steel tape | 8.23     | 0.01  | 13.28    | 416.81       | PM                 |
| 06-15-94 | 1111 | Steel tape | 7.66     | 0.01  | 12.71    | 417.38       | MM                 |
| 07-15-94 | 1254 | Steel tape | 5.58     | 0.01  | 10.63    | 419.46       | MM                 |
| 08-08-94 | 1008 | Steel tape | 4.66     | 0.01  | 9.71     | 420.38       | PM                 |
| 08-15-94 | 1050 | Steel tape | 4.52     | 0.01  | 9.57     | 420.52       | MM                 |
| 09-15-94 | 1205 | Steel tape | 6.76     | 0.01  | 11.81    | 418.28       | MM                 |
| 10-17-94 | 1051 | Steel tape | 8.47     | 0.01  | 13.52    | 416.57       | MM                 |
| 11-15-94 | 1006 | Steel tape | 8.28     | 0.01  | 13.33    | 416.76       | MM                 |



FIA2 GROUND-WATER OBSERVATION WELL  
Formerly observation well IGW

Site ID: 644804147523201  
Local Number: FC00100225BCBC1 010

| All measurements in feet          | Feet | Elevation |
|-----------------------------------|------|-----------|
| Depth to bottom of well from MP : | 30.0 | 396.2     |
| Depth from TOC to top of SI :     | 25.0 | 401.2     |
| Depth from TOC to bottom of SI :  | 30.0 | 396.2     |
| Land surface datum:               |      | 423.98    |

CR10, data logger  
LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
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)                        |
|----------|------------------------------------------------------------|
| 10-10-91 | 426.13                                                     |
| 06-01-92 | 426.13 Updated MP                                          |
| 06-26-92 | 426.13 Updated MP                                          |
| 08-11-92 | 426.20 New datum (All WS elevations reflect datum change.) |
| 06-30-93 | 426.20 Updated MP                                          |

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks        |
|----------|------|------------|----------|-------|----------|--------------|----------------|
| 07-17-91 | NA   | E-tape     | 7.83     | 0.02  | 5.61     | 418.37       | MM             |
| 08-22-91 | 1032 | E-tape     | 5.68     | 0.02  | 3.46     | 420.52       | MM             |
| 08-26-91 | 0931 | E-tape     | 6.52     | 0.02  | 4.30     | 419.68       | PM             |
| 09-10-91 | 0929 | E-tape     | 7.73     | 0.02  | 5.51     | 418.47       | MM             |
| 10-01-91 | 1014 | E-tape     | 8.41     | 0.02  | 6.19     | 417.79       | MM             |
| 01-02-92 | NA   | E-tape     | NA       | NA    | NA       | NA           | Frozen, MM     |
| 04-20-92 | NA   | E-tape     | 6.33     | 0.02  | 4.11     | 419.87       | MM             |
| 06-12-92 | 1612 | E-tape     | 5.69     | 0.02  | 3.47     | 420.51       | Updated MP, MM |
| 06-19-92 | 1436 | E-tape     | 5.30     | 0.02  | 3.08     | 420.90       | PM             |
| 06-25-92 | 1145 | E-tape     | 5.44     | 0.02  | 3.22     | 420.76       | PM             |
| 06-27-92 | 2100 | Steel tape | 6.00     | 0.01  | 3.78     | 420.20       | Updated MP, PM |
| 07-06-92 | 0745 | Steel tape | 5.87     | 0.01  | 3.65     | 420.33       | PM             |
| 07-08-92 | 1554 | Steel tape | 5.64     | 0.01  | 3.42     | 420.56       | PM             |
| 07-23-92 | 1256 | Steel tape | 5.14     | 0.01  | 2.92     | 421.06       | MM             |
| 08-11-92 | 1220 | Steel tape | 5.56     | 0.01  | 3.34     | 420.64       | New datum, PM  |
| 08-13-92 | 1238 | Steel tape | 5.70     | 0.01  | 3.48     | 420.50       | MM             |

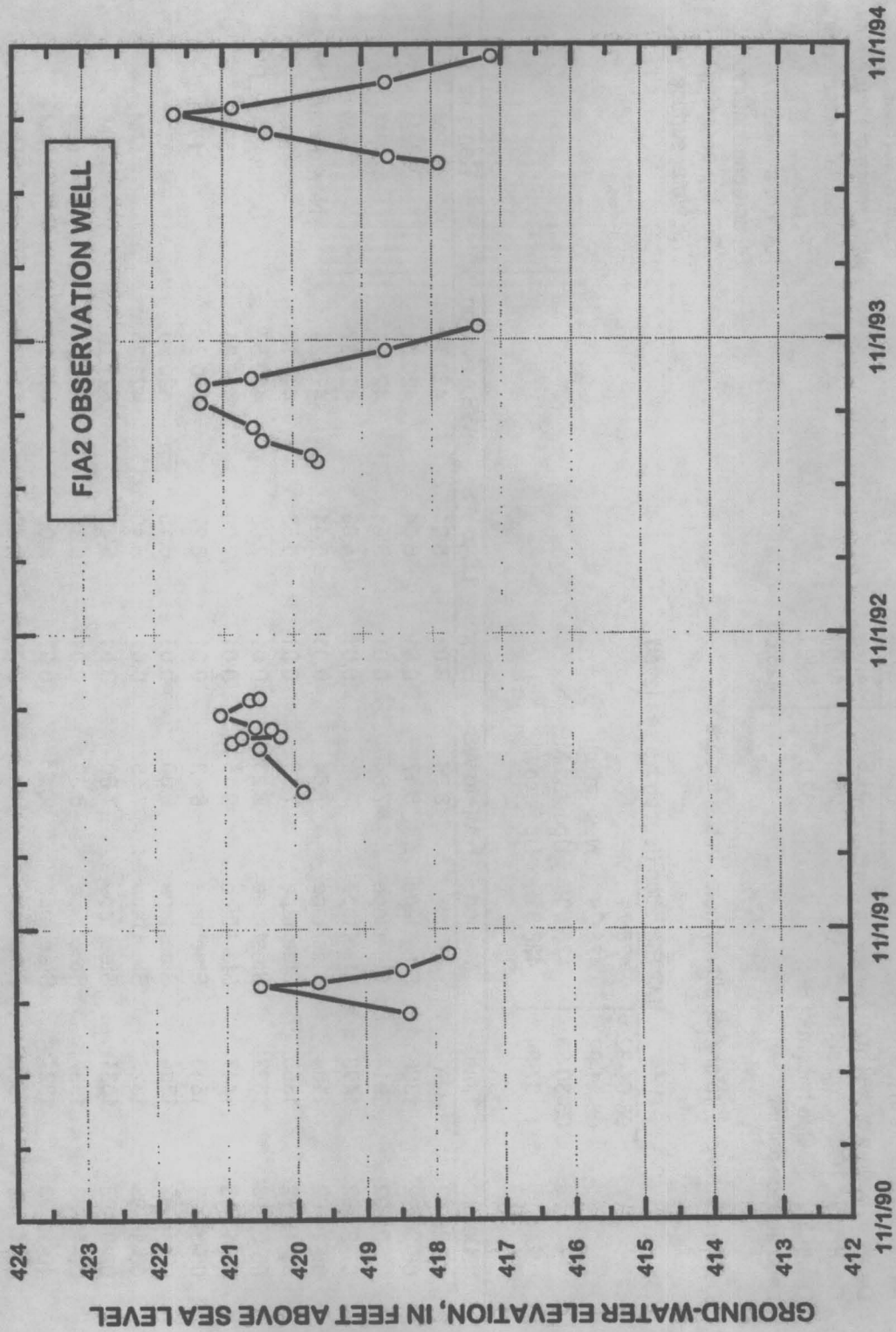


FIA2 GROUND-WATER OBSERVATION WELL (Continued)  
Formerly observation well IGW

Site ID: 644804147523201  
Local Number: FC00100225BCBC1 010

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks            |
|----------|------|------------|----------|-------|----------|--------------|--------------------|
| 01-13-93 | NA   | Steel tape | NA       | NA    | NA       | NA           | Frozen, MM         |
| 04-14-93 | 1519 | Steel tape | NA       | NA    | NA       | NA           | Frozen, MM         |
| 06-03-93 | 1617 | Steel tape | 6.56     | 0.01  | 4.34     | 419.64       | Updated MP, PM     |
| 06-11-93 | 1445 | Steel tape | 6.47     | 0.01  | 4.25     | 419.73       | Installed CR10, MM |
| 06-30-93 | 1532 | Steel tape | 5.76     | 0.01  | 3.54     | 420.44       | PM                 |
| 07-16-93 | 1250 | Steel tape | 5.63     | 0.01  | 3.41     | 420.57       | MM                 |
| 08-16-93 | 1632 | Steel tape | 4.88     | 0.01  | 2.66     | 421.32       | MM                 |
| 09-07-93 | 1617 | Steel tape | 4.92     | 0.01  | 2.70     | 421.28       | PM                 |
| 09-15-93 | 1525 | Steel tape | 5.61     | 0.01  | 3.39     | 420.59       | MM                 |
| 10-19-93 | 1335 | Steel tape | 7.53     | 0.01  | 5.31     | 418.67       | MM                 |
| 11-17-93 | 1505 | Steel tape | 8.87     | 0.01  | 6.65     | 417.33       | MM                 |
| 12-21-93 | 1353 | Steel tape | NA       | NA    | NA       | NA           | Frozen, MM         |
| 01-18-94 | 1456 | Steel tape | NA       | NA    | NA       | NA           | Frozen, MM         |
| 02-25-94 | 1209 | Steel tape | NA       | NA    | NA       | NA           | Frozen, MM         |
| 03-16-94 | 1332 | Steel tape | NA       | NA    | NA       | NA           | Frozen, MM         |
| 04-18-94 | 1551 | Steel tape | NA       | NA    | NA       | NA           | Frozen, MM         |
| 05-16-94 | 1330 | Steel tape | NA       | NA    | NA       | NA           | Frozen, MM         |
| 06-06-94 | 0942 | Steel tape | 8.30     | 0.01  | 6.08     | 417.90       | PM                 |
| 06-15-94 | 1337 | Steel tape | 7.58     | 0.01  | 5.36     | 418.62       | MM                 |
| 07-15-94 | 1505 | Steel tape | 5.83     | 0.01  | 3.61     | 420.37       | MM                 |
| 08-08-94 | 1054 | Steel tape | 4.52     | 0.01  | 2.30     | 421.68       | PM                 |
| 08-15-94 | 1329 | Steel tape | 5.34     | 0.01  | 3.12     | 420.86       | MM                 |
| 09-15-94 | 1428 | Steel tape | 7.54     | 0.01  | 5.32     | 418.66       | MM                 |
| 10-17-94 | 1303 | Steel tape | 9.06     | 0.01  | 6.84     | 417.14       | MM                 |
| 11-15-94 | 1100 | Steel tape | 8.23     | 0.01  | 6.01     | 417.97       | MM                 |





FIA3 GROUND-WATER OBSERVATION WELL  
Formerly observation well LFW

Site ID: 644804147523501  
Local Number: FC00100226ADAB1 006

| All measurements in feet          | Feet | Elevation |
|-----------------------------------|------|-----------|
| Depth to bottom of well from MP : | 31.6 | 397.2     |
| Depth from TOC to top of SI :     | 28.0 | 400.8     |
| Depth from TOC to bottom of SI :  | 32.0 | 396.8     |
| Land surface datum:               |      | 426.65    |

LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
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) |
|----------|-------------------------------------|
| 06-01-92 | 428.71                              |
| 08-11-92 | 428.78                              |
| 06-30-93 | 428.80                              |
| 11-07-94 | 428.81                              |

New datum  
Updated MP  
Updated MP

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks        |
|----------|------|------------|----------|-------|----------|--------------|----------------|
| 06-25-92 | NA   | E-tape     | 8.04     | 0.02  | 5.91     | 420.74       | PM             |
| 06-30-92 | 1306 | Steel tape | 8.17     | 0.01  | 6.04     | 420.61       | MM             |
| 07-08-92 | 1914 | Steel tape | 7.64     | 0.01  | 5.51     | 421.14       | PM             |
| 07-23-92 | 1408 | Steel tape | 7.11     | 0.01  | 4.98     | 421.67       | MM             |
| 08-11-92 | 1104 | Steel tape | 7.54     | 0.01  | 5.41     | 421.24       | New datum, PM  |
| 08-13-92 | 1355 | Steel tape | 7.66     | 0.01  | 5.53     | 421.12       | MM             |
| 06-03-93 | 1622 | Steel tape | 9.23     | 0.01  | 7.08     | 419.57       | Updated MP, PM |
| 06-11-93 | 1447 | Steel tape | 9.15     | 0.01  | 7.00     | 419.65       | MM             |
| 06-30-93 | 1543 | Steel tape | 8.42     | 0.01  | 6.27     | 420.38       | PM             |
| 07-16-93 | 1304 | Steel tape | 8.30     | 0.01  | 6.15     | 420.50       | MM             |
| 08-16-93 | 1623 | Steel tape | 7.55     | 0.01  | 5.40     | 421.25       | MM             |
| 09-07-93 | 1631 | Steel tape | 7.60     | 0.01  | 5.45     | 421.20       | PM             |
| 09-15-93 | 1537 | Steel tape | 8.30     | 0.01  | 6.15     | 420.50       | MM             |
| 10-19-93 | 1321 | Steel tape | 10.21    | 0.01  | 8.06     | 418.59       | MM             |
| 11-17-93 | 1509 | Steel tape | 11.55    | 0.01  | 9.40     | 417.25       | MM             |
| 12-21-93 | 1349 | Steel tape | 9.96     | 0.01  | 7.81     | 418.84       | MM             |
| 01-18-94 | 1444 | Steel tape | 10.35    | 0.01  | 8.20     | 418.45       | MM             |



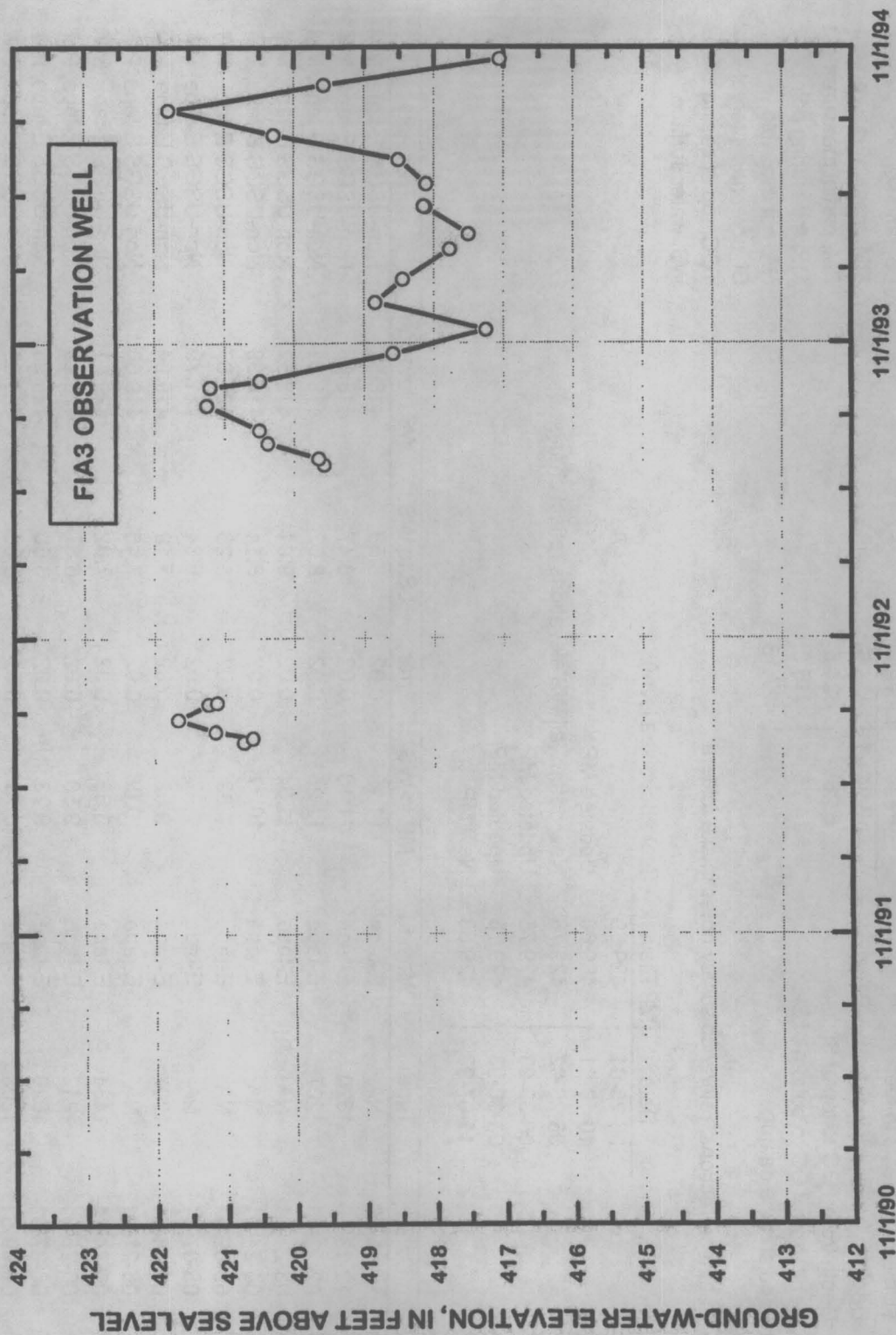
FIA3 GROUND-WATER OBSERVATION WELL  
Formerly observation well LFW

(Continued)

Site ID: 644804147523501  
Local Number: FC00100226ADAB1 006

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks        |
|----------|------|------------|----------|-------|----------|--------------|----------------|
| 02-25-94 | 1214 | Steel tape | 11.03    | 0.01  | 8.88     | 417.77       | MM             |
| 03-16-94 | 1340 | Steel tape | 11.31    | 0.01  | 9.16     | 417.49       | MM             |
| 04-18-94 | 1602 | Steel tape | 10.68    | 0.01  | 8.53     | 418.12       | MM             |
| 04-19-94 | 1547 | Steel tape | 10.65    | 0.01  | 8.50     | 418.15       | PM             |
| 05-16-94 | 1321 | Steel tape | 10.69    | 0.01  | 8.54     | 418.11       | MM             |
| 06-15-94 | 1342 | Steel tape | 10.29    | 0.01  | 8.14     | 418.51       | MM             |
| 07-15-94 | 1510 | Steel tape | 8.52     | 0.01  | 6.36     | 420.29       | Updated MP, MM |
| 08-15-94 | 1335 | Steel tape | 7.02     | 0.01  | 4.86     | 421.79       | MM             |
| 09-15-94 | 1436 | Steel tape | 9.24     | 0.01  | 7.08     | 419.57       | MM             |
| 10-17-94 | 1313 | Steel tape | 11.76    | 0.01  | 9.60     | 417.05       | MM             |





FIA4 GROUND-WATER OBSERVATION WELL  
Formerly observation well B1

Site ID: 644802147522701  
Local Number: FC00100225BCCB1 006

| All measurements in feet          | Feet  | Elevation | LS, land surface        |
|-----------------------------------|-------|-----------|-------------------------|
| Depth to bottom of well from MP : | 17.94 | 411.8     | MM, mass measurement    |
| Depth from TOC to top of SI :     | 5.26  | 424.5     | PM, partial measurement |
| Depth from TOC to bottom of SI :  | 14.75 | 415.0     | MP, measuring point     |
| Land surface datum:               |       | 427.13    | NA, not available       |
|                                   |       |           | 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) |
|----------|-------------------------------------|
| 06-25-91 | 429.69                              |
| 10-10-91 | 429.68                              |
| 06-26-92 | 429.76                              |
| 06-30-93 | 429.76                              |
| 06-30-93 | 429.76                              |
| 11-07-93 | 429.88                              |

Updated MP  
New datum (all WS elevations reflect changes)  
Updated MP  
Updated MP  
New MP

| Date     | Time | Method | MP to WS | Error | LS to WS | WS elevation | Remarks             |
|----------|------|--------|----------|-------|----------|--------------|---------------------|
| 11-15-90 | NA   | E-tape | 11.19    | 0.02  | 8.56     | 418.57       | Non-USGS E-tape, MM |
| 12-13-90 | 1320 | E-tape | 11.10    | 0.02  | 8.47     | 418.66       | Non-USGS E-tape, MM |
| 02-13-91 | 1207 | E-tape | 11.25    | 0.02  | 8.62     | 418.51       | Non-USGS E-tape, MM |
| 03-21-91 | NA   | E-tape | 11.64    | 0.02  | 9.01     | 418.12       | Non-USGS E-tape, MM |
| 04-24-91 | NA   | E-tape | 10.77    | 0.02  | 8.14     | 418.99       | Non-USGS E-tape, MM |
| 05-02-91 | NA   | E-tape | 7.89     | 0.02  | 5.26     | 421.87       | Non-USGS E-tape, PM |
| 05-07-91 | NA   | E-tape | 7.97     | 0.02  | 5.34     | 421.79       | Non-USGS E-tape, PM |
| 05-28-91 | 1007 | E-tape | 9.82     | 0.02  | 7.19     | 419.94       | Non-USGS E-tape, MM |
| 06-21-91 | NA   | E-tape | 10.08    | 0.02  | 7.45     | 419.68       | Non-USGS E-tape, PM |
| 06-24-91 | 1434 | E-tape | 9.65     | 0.02  | 7.02     | 420.11       | Non-USGS E-tape, MM |
| 06-25-91 | 1242 | E-tape | 9.50     | 0.02  | 6.87     | 420.26       | Non-USGS E-tape, PM |
| 06-27-91 | 1029 | E-tape | 9.23     | 0.02  | 6.60     | 420.53       | Non-USGS E-tape, PM |
| 07-09-91 | 1203 | E-tape | 8.71     | 0.02  | 6.08     | 421.05       | Non-USGS E-tape, PM |
| 07-10-91 | 1155 | E-tape | 8.50     | 0.02  | 5.87     | 421.26       | Non-USGS E-tape, PM |
| 07-12-91 | 1150 | E-tape | 8.93     | 0.02  | 6.30     | 420.83       | Non-USGS E-tape, PM |



FIA4 GROUND-WATER OBSERVATION WELL  
Formerly observation well B1

(Continued)

Site ID: 644802147522701  
Local Number: FC00100225BCCB1 006

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks             |
|----------|------|------------|----------|-------|----------|--------------|---------------------|
| 07-13-91 | 1210 | E-tape     | 9.03     | 0.02  | 6.40     | 420.73       | PM                  |
| 07-17-91 | 0950 | E-tape     | 9.29     | 0.02  | 6.66     | 420.47       | MM                  |
| 07-29-91 | 1502 | E-tape     | 9.35     | 0.02  | 6.72     | 420.41       | PM                  |
| 08-20-91 | 0900 | E-tape     | 9.21     | 0.02  | 6.58     | 420.55       | MM                  |
| 08-26-91 | NA   | E-tape     | 9.38     | 0.02  | 6.75     | 420.38       | Non-USGS E-tape, PM |
| 09-10-91 | NA   | E-tape     | 10.57    | 0.02  | 7.94     | 419.19       | MM                  |
| 10-01-91 | 1059 | E-tape     | 11.23    | 0.02  | 8.61     | 418.52       | Updated MP, MM      |
| 12-27-91 | NA   | E-tape     | 9.55     | 0.02  | 6.93     | 420.20       | MM                  |
| 04-20-92 | 1045 | E-tape     | 10.88    | 0.02  | 8.26     | 418.87       | MM                  |
| 06-12-92 | 1645 | E-tape     | 9.21     | 0.02  | 6.58     | 420.55       | New datum, MM       |
| 06-19-92 | 0935 | E-tape     | 8.81     | 0.02  | 6.18     | 420.95       | PM                  |
| 06-30-92 | 1205 | Steel tape | 9.06     | 0.01  | 6.43     | 420.70       | PM                  |
| 07-21-92 | 1135 | Steel tape | 8.06     | 0.01  | 5.43     | 421.70       | MM                  |
| 08-11-92 | 1119 | Steel tape | 8.48     | 0.01  | 5.85     | 421.28       | PM                  |
| 08-13-92 | 1316 | Steel tape | 8.60     | 0.01  | 5.97     | 421.16       | MM                  |
| 01-13-93 | 1010 | E-tape     | 8.50     | 0.02  | 5.87     | 421.26       | MM                  |
| 06-03-93 | 1605 | Steel tape | 10.04    | 0.01  | 7.41     | 419.72       | PM                  |
| 06-11-93 | 1435 | Steel tape | 9.60     | 0.01  | 6.97     | 420.16       | MM                  |
| 06-30-93 | 1518 | Steel tape | 9.28     | 0.01  | 6.65     | 420.48       | PM                  |
| 07-16-93 | 1210 | Steel tape | 9.10     | 0.01  | 6.47     | 420.66       | MM                  |
| 08-16-93 | 1602 | Steel tape | 8.35     | 0.01  | 5.72     | 421.41       | MM                  |
| 09-15-93 | 1513 | Steel tape | 9.18     | 0.01  | 6.43     | 420.70       | New MP, MM          |
| 10-19-93 | 1310 | Steel tape | 11.11    | 0.01  | 8.36     | 418.77       | MM                  |
| 11-17-93 | 1447 | Steel tape | 12.49    | 0.01  | 9.74     | 417.39       | MM                  |
| 12-21-93 | 1331 | Steel tape | 10.80    | 0.01  | 8.05     | 419.08       | MM                  |
| 01-18-94 | 1430 | Steel tape | 11.18    | 0.01  | 8.43     | 418.70       | MM                  |
| 02-23-94 | 1155 | Steel tape | 11.90    | 0.01  | 9.15     | 417.98       | MM                  |
| 03-16-94 | 1315 | Steel tape | 12.20    | 0.01  | 9.45     | 417.68       | MM                  |
| 04-18-94 | 1532 | Steel tape | 11.58    | 0.01  | 8.83     | 418.30       | MM                  |
| 05-16-94 | 1314 | Steel tape | 11.57    | 0.01  | 8.82     | 418.31       | MM                  |
| 06-15-94 | 1320 | Steel tape | 11.13    | 0.01  | 8.38     | 418.75       | MM                  |

FIA4 GROUND-WATER OBSERVATION WELL (Continued)  
 Formerly observation well B1

Site ID: 644802147522701  
 Local Number: FC00100225BCCB1 006

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks |
|----------|------|------------|----------|-------|----------|--------------|---------|
| 07-15-94 | 1459 | Steel tape | 9.43     | 0.01  | 6.68     | 420.45       | MM      |
| 08-15-94 | 1324 | Steel tape | 7.92     | 0.01  | 5.17     | 421.96       | MM      |
| 09-15-94 | 1421 | Steel tape | 10.12    | 0.01  | 7.37     | 419.76       | MM      |
| 10-17-94 | 1257 | Steel tape | 12.66    | 0.01  | 9.91     | 417.22       | MM      |



FIA5 GROUND-WATER OBSERVATION WELL  
Formerly observation well B2

Site ID: 644802147523001  
Local Number: FC00100226ADAA1 007

| All measurements in feet          | Feet | Elevation |
|-----------------------------------|------|-----------|
| Depth to bottom of well from MP : | 17.4 | 411.4     |
| Depth from TOC to top of SI :     | 4.9  | 424.0     |
| Depth from TOC to bottom of SI :  | 14.3 | 414.6     |
| Land surface datum:               |      | 426.42    |

LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
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)                        |
|----------|------------------------------------------------------------|
| 06-25-91 | 428.72                                                     |
| 10-10-91 | 428.72 Updated MP                                          |
| 08-11-92 | 428.83 New datum (All WS elevations reflect datum change.) |
| 06-30-93 | 428.87 Updated MP                                          |

| Date     | Time | Method | MP to WS | Error | LS to WS | WS elevation | Remarks             |
|----------|------|--------|----------|-------|----------|--------------|---------------------|
| 11-15-90 | 1250 | E-tape | 10.22    | 0.02  | 7.85     | 418.57       | Non-USGS E-tape, MM |
| 12-13-90 | 1150 | E-tape | 10.25    | 0.02  | 7.88     | 418.54       | Non-USGS E-tape, MM |
| 02-13-91 | 1125 | E-tape | 10.34    | 0.02  | 7.97     | 418.45       | Non-USGS E-tape, MM |
| 03-21-91 | NA   | E-tape | 10.76    | 0.02  | 8.39     | 418.03       | Non-USGS E-tape, MM |
| 04-24-91 | NA   | E-tape | 9.91     | 0.02  | 7.54     | 418.88       | Non-USGS E-tape, MM |
| 05-02-91 | NA   | E-tape | 6.90     | 0.02  | 4.53     | 421.89       | Non-USGS E-tape, PM |
| 05-28-91 | 0925 | E-tape | 8.91     | 0.02  | 6.54     | 419.88       | Non-USGS E-tape, MM |
| 06-21-91 | 1517 | E-tape | 9.24     | 0.02  | 6.87     | 419.55       | Non-USGS E-tape, PM |
| 06-24-91 | 1429 | E-tape | 8.83     | 0.02  | 6.46     | 419.96       | Non-USGS E-tape, MM |
| 06-25-91 | 1130 | E-tape | 8.66     | 0.02  | 6.29     | 420.13       | Non-USGS E-tape, PM |
| 06-26-91 | 1759 | E-tape | 8.42     | 0.02  | 6.05     | 420.37       | Non-USGS E-tape, PM |
| 06-27-91 | 1035 | E-tape | 8.31     | 0.02  | 5.94     | 420.48       | Non-USGS E-tape, PM |
| 07-09-91 | 1209 | E-tape | 7.73     | 0.02  | 5.36     | 421.06       | Non-USGS E-tape, PM |
| 07-10-91 | 1145 | E-tape | 7.61     | 0.02  | 5.24     | 421.18       | Non-USGS E-tape, PM |
| 07-12-91 | 1139 | E-tape | 7.97     | 0.02  | 5.60     | 420.82       | PM                  |
| 07-13-91 | 1156 | E-tape | 8.05     | 0.02  | 5.68     | 420.74       | PM                  |
| 07-17-91 | 0936 | E-tape | 8.33     | 0.02  | 5.96     | 420.46       | MM                  |



FIA5 GROUND-WATER OBSERVATION WELL  
Formerly observation well B2

(Continued)

Site ID: 644802147523001  
Local Number: FC00100226ADAA1 007

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks             |
|----------|------|------------|----------|-------|----------|--------------|---------------------|
| 07-29-91 | 1529 | E-tape     | 8.43     | 0.02  | 6.06     | 420.36       | PM                  |
| 08-20-91 | 1400 | E-tape     | 8.29     | 0.02  | 5.92     | 420.50       | MM                  |
| 08-26-91 | NA   | E-tape     | 8.42     | 0.02  | 6.05     | 420.37       | PM                  |
| 09-10-91 | NA   | E-tape     | 9.64     | 0.02  | 7.27     | 419.15       | MM                  |
| 10-01-91 | 1109 | E-tape     | 10.32    | 0.02  | 7.95     | 418.47       | MM                  |
| 12-27-91 | 1129 | E-tape     | 8.64     | 0.02  | 6.27     | 420.15       | MM                  |
| 04-20-92 | NA   | E-tape     | 10.01    | 0.02  | 7.64     | 418.78       | MM                  |
| 06-12-92 | 1640 | E-tape     | 8.26     | 0.02  | 5.85     | 420.57       | MM                  |
| 06-19-92 | 1044 | E-tape     | 7.92     | 0.02  | 5.51     | 420.91       | PM                  |
| 06-30-92 | 1227 | Steel tape | 8.14     | 0.01  | 5.73     | 420.69       | PM                  |
| 07-21-92 | 1138 | Steel tape | 7.13     | 0.01  | 4.72     | 421.70       | MM                  |
| 08-11-92 | 1114 | Steel tape | 7.55     | 0.01  | 5.14     | 421.28       | New datum, PM       |
| 08-13-92 | 1320 | Steel tape | 7.67     | 0.01  | 5.26     | 421.16       | MM                  |
| 01-13-93 | 0945 | E-tape     | 7.66     | 0.02  | 5.25     | 421.17       | Non-USGS E-tape, MM |
| 04-14-93 | 1418 | Steel tape | 8.58     | 0.01  | 6.17     | 420.25       | MM                  |
| 06-03-93 | 1600 | Steel tape | 9.19     | 0.01  | 6.74     | 419.68       | Updated MP, PM      |
| 06-11-93 | 1430 | Steel tape | 9.10     | 0.01  | 6.65     | 419.77       | MM                  |
| 06-30-93 | 1513 | Steel tape | 8.41     | 0.01  | 5.96     | 420.46       | PM                  |
| 07-16-93 | 1206 | Steel tape | 8.27     | 0.01  | 5.82     | 420.60       | MM                  |
| 08-16-93 | 1556 | NA         | NA       | NA    | NA       | NA           | Well destroyed, MM  |
| 09-15-93 | 1512 | NA         | NA       | NA    | NA       | NA           | Well destroyed, MM  |





FIA6 GROUND-WATER OBSERVATION WELL  
Formerly observation well B3

Site ID: 644804147523101  
Local Number: FC00100226ADAD2 008

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

| All measurements in feet          | Feet | Elevation |
|-----------------------------------|------|-----------|
| Depth to bottom of well from MP : | 17.9 | 410.8     |
| Depth from TOC to top of SI :     | 4.7  | 424.0     |
| Depth from TOC to bottom of SI :  | 14.2 | 414.5     |
| Land surface datum:               |      | 425.67    |

Datum corrections, reference survey notes in site folders

| Date     | MP Elevation (feet above sea level)                        |
|----------|------------------------------------------------------------|
| 06-25-91 | 428.63                                                     |
| 10-10-91 | 428.63 Updated MP                                          |
| 06-01-92 | 428.65 Updated MP                                          |
| 06-26-92 | 428.66 Updated MP                                          |
| 08-11-92 | 428.73 New datum (All WS elevations reflect datum change.) |
| 06-30-93 | 428.73 Updated MP                                          |
| 06-30-93 | 428.74 Updated MP                                          |

| Date     | Time | Method | MP to WS | Error | LS to WS | WS elevation | Remarks             |
|----------|------|--------|----------|-------|----------|--------------|---------------------|
| 03-21-91 | 1443 | E-tape | 10.67    | 0.02  | 7.64     | 418.03       | Non-USGS E-tape, MM |
| 05-02-91 | NA   | E-tape | 6.92     | 0.02  | 3.89     | 421.78       | Non-USGS E-tape, PM |
| 05-28-91 | 1304 | E-tape | 8.77     | 0.02  | 5.74     | 419.93       | Non-USGS E-tape, MM |
| 06-21-91 | 1528 | E-tape | 9.16     | 0.02  | 6.13     | 419.54       | Non-USGS E-tape, PM |
| 06-24-91 | 1421 | E-tape | 8.82     | 0.02  | 5.79     | 419.88       | Non-USGS E-tape, MM |
| 06-25-91 | 1352 | E-tape | 8.54     | 0.02  | 5.51     | 420.16       | Non-USGS E-tape, PM |
| 06-27-91 | 0940 | E-tape | 8.32     | 0.02  | 5.29     | 420.38       | Non-USGS E-tape, PM |
| 07-09-91 | 1112 | E-tape | 7.92     | 0.02  | 4.89     | 420.78       | Non-USGS E-tape, PM |
| 07-09-91 | 1730 | E-tape | 8.13     | 0.02  | 5.10     | 420.57       | Non-USGS E-tape, PM |
| 07-10-91 | 0827 | E-tape | 7.76     | 0.02  | 4.73     | 420.94       | Non-USGS E-tape, PM |
| 07-12-91 | 1006 | E-tape | 8.02     | 0.02  | 4.99     | 420.68       | PM                  |
| 07-12-91 | 1114 | E-tape | 7.98     | 0.02  | 4.95     | 420.72       | PM                  |
| 07-12-91 | 1356 | E-tape | 8.23     | 0.02  | 5.20     | 420.47       | PM                  |
| 07-12-91 | 1641 | E-tape | 8.16     | 0.02  | 5.13     | 420.54       | PM                  |

FIA6 GROUND-WATER OBSERVATION WELL  
Formerly observation well B3

(Continued)

Site ID: 644804147523101  
Local Number: FC00100226ADAD2 008

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks             |
|----------|------|------------|----------|-------|----------|--------------|---------------------|
| 07-13-91 | 1114 | E-tape     | 7.95     | 0.02  | 4.92     | 420.75       | PM                  |
| 07-17-91 | 1002 | E-tape     | 8.24     | 0.02  | 5.21     | 420.46       | MM                  |
| 07-29-91 | 1410 | E-tape     | 8.42     | 0.02  | 5.39     | 420.28       | PM                  |
| 08-20-91 | 0922 | E-tape     | 8.25     | 0.02  | 5.22     | 420.45       | MM                  |
| 08-26-91 | 1102 | E-tape     | 8.10     | 0.02  | 5.07     | 420.60       | PM                  |
| 09-10-91 | 0943 | E-tape     | 9.27     | 0.02  | 6.24     | 419.43       | MM                  |
| 10-01-91 | 1027 | E-tape     | 9.94     | 0.02  | 6.91     | 418.76       | MM                  |
| 12-27-91 | 1310 | E-tape     | 8.68     | 0.02  | 5.65     | 420.02       | Updated MP, MM      |
| 04-20-92 | NA   | E-tape     | 10.10    | 0.02  | 7.07     | 418.60       | Non-USGS E-tape, MM |
| 06-12-92 | NA   | E-tape     | 8.17     | 0.02  | 5.12     | 420.55       | Updated MP, MM      |
| 06-19-92 | 1157 | E-tape     | 7.83     | 0.02  | 4.78     | 420.89       | PM                  |
| 06-30-92 | 1250 | Steel tape | 7.74     | 0.01  | 4.68     | 420.99       | PM                  |
| 07-08-92 | 1941 | Steel tape | 7.21     | 0.01  | 4.15     | 421.52       | Updated MP, PM      |
| 07-23-92 | 1425 | Steel tape | 6.69     | 0.01  | 3.63     | 422.04       | MM                  |
| 08-11-92 | 1041 | Steel tape | 7.17     | 0.01  | 4.11     | 421.56       | New datum, PM       |
| 08-13-92 | 1349 | Steel tape | 7.30     | 0.01  | 4.24     | 421.43       | MM                  |
| 01-13-93 | NA   | E-tape     | 7.65     | 0.02  | 4.59     | 421.08       | Non-USGS E-tape, MM |
| 04-14-93 | 1533 | Steel tape | 8.57     | 0.01  | 5.51     | 420.16       | MM                  |
| 06-03-93 | 1615 | Steel tape | 9.04     | 0.01  | 5.98     | 419.69       | Updated MP, PM      |
| 06-11-93 | 1442 | Steel tape | 8.98     | 0.01  | 5.92     | 419.75       | MM                  |
| 06-30-93 | 1528 | Steel tape | 8.30     | 0.01  | 5.24     | 420.43       | PM                  |
| 07-16-93 | 1245 | Steel tape | 8.17     | 0.01  | 5.11     | 420.56       | MM                  |
| 08-16-93 | 1635 | Steel tape | 7.41     | 0.01  | 4.35     | 421.32       | MM                  |
| 09-16-93 | 1522 | Steel tape | 8.10     | 0.01  | 5.04     | 420.63       | MM                  |
| 10-19-93 | 1316 | Steel tape | 10.00    | 0.01  | 6.94     | 418.73       | MM                  |
| 11-17-93 | 1459 | Steel tape | 11.39    | 0.01  | 8.33     | 417.34       | MM                  |
| 12-21-93 | 1401 | Steel tape | 9.84     | 0.01  | 6.78     | 418.89       | MM                  |
| 01-18-94 | 1459 | Steel tape | 10.25    | 0.01  | 7.19     | 418.48       | MM                  |
| 02-25-94 | 1204 | Steel tape | 10.95    | 0.01  | 7.89     | 417.78       | MM                  |
| 03-16-94 | 1323 | Steel tape | 11.24    | 0.01  | 8.18     | 417.49       | MM                  |
| 04-18-94 | 1544 | Steel tape | 10.63    | 0.01  | 7.57     | 418.10       | MM                  |

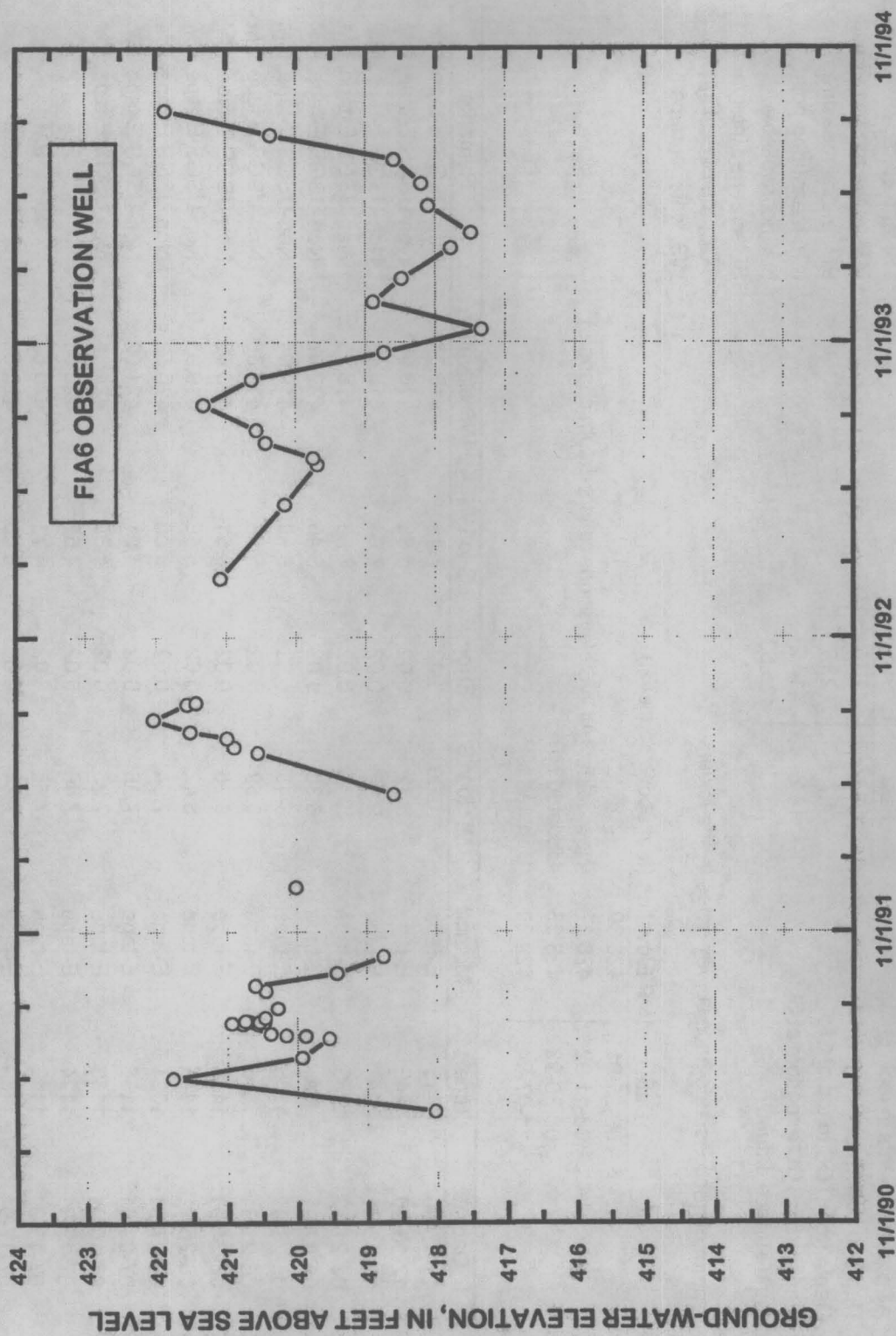


FIA6 GROUND-WATER OBSERVATION WELL  
Formerly observation well B3

(Continued)

Site ID: 644804147523101  
Local Number: FC00100226ADAD2 008

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks        |
|----------|------|------------|----------|-------|----------|--------------|----------------|
| 05-16-94 | 1335 | Steel tape | 10.53    | 0.01  | 7.47     | 418.20       | MM             |
| 06-15-94 | 1334 | Steel tape | 10.14    | 0.01  | 7.08     | 418.59       | MM             |
| 07-15-94 | 1503 | Steel tape | 8.38     | 0.01  | 5.31     | 420.36       | Updated MP, PM |
| 08-15-94 | 1329 | Steel tape | 6.88     | 0.01  | 3.81     | 421.86       | MM             |



FIA7 GROUND-WATER OBSERVATION WELL  
Formerly observation well B4

Site ID: 644804147522301  
Local Number: FC00100225BCCB1 005

| All measurements in feet          | Feet | Elevation | LS, land surface        |
|-----------------------------------|------|-----------|-------------------------|
| Depth to bottom of well from MP : | 17.8 | 410.6     | MM, mass measurement    |
| Depth from TOC to top of SI :     | 4.7  | 423.7     | PM, partial measurement |
| Depth from TOC to bottom of SI :  | 14.2 | 414.2     | MP, measuring point     |
| Land surface datum:               |      | 425.53    | NA, not available       |
|                                   |      |           | 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) |
|----------|-------------------------------------|
| 06-25-91 | 428.30                              |
| 08-11-92 | 428.37                              |
| 06-30-93 | 428.38                              |
| 11-07-94 | 428.30                              |

New datum (All WS elevations reflect datum change.)  
Updated MP  
Updated MP

| Date     | Time | Method | MP to WS | Error | LS to WS | WS elevation | Remarks             |
|----------|------|--------|----------|-------|----------|--------------|---------------------|
| 11-15-90 | 1415 | E-tape | 10.00    | 0.02  | 7.16     | 418.37       | Non-USGS E-tape, MM |
| 12-13-90 | 1440 | E-tape | 9.72     | 0.02  | 6.88     | 418.65       | Non-USGS E-tape, MM |
| 02-13-91 | NA   | E-tape | 9.88     | 0.02  | 7.04     | 418.49       | Non-USGS E-tape, MM |
| 03-21-91 | 1253 | E-tape | 10.12    | 0.02  | 7.28     | 418.25       | Non-USGS E-tape, PM |
| 05-02-91 | NA   | E-tape | 6.30     | 0.02  | 3.46     | 422.07       | Non-USGS E-tape, MM |
| 05-28-91 | 1106 | E-tape | 8.43     | 0.02  | 5.59     | 419.94       | Non-USGS E-tape, MM |
| 06-21-91 | 1406 | E-tape | 8.69     | 0.02  | 5.85     | 419.68       | Non-USGS E-tape, PM |
| 06-24-91 | 1438 | E-tape | 8.35     | 0.02  | 5.51     | 420.02       | Non-USGS E-tape, MM |
| 06-25-91 | 1445 | E-tape | 8.42     | 0.02  | 5.58     | 419.95       | Non-USGS E-tape, PM |
| 06-27-91 | 1024 | E-tape | 7.84     | 0.02  | 5.00     | 420.53       | Non-USGS E-tape, PM |
| 07-09-91 | 1157 | E-tape | 7.35     | 0.02  | 4.51     | 421.02       | Non-USGS E-tape, PM |
| 07-10-91 | 1136 | E-tape | 7.23     | 0.02  | 4.39     | 421.14       | Non-USGS E-tape, PM |
| 07-12-91 | 1124 | E-tape | 7.46     | 0.02  | 4.62     | 420.91       | PM                  |
| 07-13-91 | 1146 | E-tape | 7.55     | 0.02  | 4.71     | 420.82       | PM                  |
| 07-17-91 | 1133 | E-tape | 7.84     | 0.02  | 5.00     | 420.53       | MM                  |
| 07-29-91 | 1514 | E-tape | 7.92     | 0.02  | 5.08     | 420.45       | PM                  |
| 08-20-91 | 0910 | E-tape | 7.80     | 0.02  | 4.96     | 420.57       | MM                  |

FIA7 GROUND-WATER OBSERVATION WELL (Continued)  
 Formerly observation well B4

Site ID: 644804147522301  
 Local Number: FC00100225BCCB1 005

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks        |
|----------|------|------------|----------|-------|----------|--------------|----------------|
| 08-26-91 | 1110 | E-tape     | 7.95     | 0.02  | 5.11     | 420.42       | PM             |
| 09-10-91 | 0949 | E-tape     | 9.10     | 0.02  | 6.26     | 419.27       | MM             |
| 10-01-91 | 1103 | E-tape     | 9.77     | 0.02  | 6.93     | 418.60       | MM             |
| 12-27-91 | 1200 | E-tape     | 8.12     | 0.02  | 5.28     | 420.25       | MM             |
| 04-20-92 | NA   | E-tape     | 9.45     | 0.02  | 6.61     | 418.92       | MM             |
| 06-12-92 | 1650 | E-tape     | 7.69     | 0.02  | 4.85     | 420.68       | MM             |
| 06-19-92 | 1209 | E-tape     | 7.41     | 0.02  | 4.57     | 420.96       | PM             |
| 06-30-92 | 1151 | Steel tape | 7.61     | 0.01  | 4.77     | 420.76       | PM             |
| 07-21-92 | 1125 | Steel tape | 6.65     | 0.01  | 3.81     | 421.72       | MM             |
| 08-11-92 | 1127 | Steel tape | 7.02     | 0.01  | 4.18     | 421.35       | New datum, PM  |
| 08-13-92 | NA   | Steel tape | 7.16     | 0.01  | 4.32     | 421.21       | MM             |
| 01-13-93 | 1058 | E-tape     | 7.03     | 0.02  | 4.19     | 421.34       | MM             |
| 04-14-93 | 1433 | Steel Tape | 7.95     | 0.01  | 5.11     | 420.42       | MM             |
| 06-03-93 | 1612 | Steel tape | 8.57     | 0.01  | 5.72     | 419.81       | Updated MP, PM |
| 06-11-93 | 1440 | Steel tape | 8.49     | 0.01  | 5.64     | 419.89       | MM             |
| 06-30-93 | 1522 | Steel tape | 7.88     | 0.01  | 5.03     | 420.50       | PM             |
| 07-16-93 | 1240 | Steel tape | 7.71     | 0.01  | 4.86     | 420.67       | MM             |
| 08-16-93 | 1606 | Steel tape | 6.96     | 0.01  | 4.11     | 421.42       | MM             |
| 09-15-93 | 1519 | Steel tape | 7.60     | 0.01  | 4.75     | 420.78       | MM             |
| 10-19-93 | 1315 | Steel tape | 9.52     | 0.01  | 6.67     | 418.86       | MM             |
| 12-21-93 | 1339 | Steel tape | 9.42     | 0.01  | 6.57     | 418.96       | MM             |
| 01-18-94 | 1439 | Steel tape | 9.95     | 0.01  | 7.10     | 418.43       | MM             |
| 02-25-94 | 1159 | Steel tape | 10.70    | 0.01  | 7.85     | 417.68       | MM             |
| 03-16-94 | 1317 | Steel tape | 11.08    | 0.01  | 8.23     | 417.30       | MM             |
| 04-18-94 | 1540 | Steel tape | 10.48    | 0.01  | 7.63     | 417.90       | MM             |
| 06-15-94 | 1324 | Steel tape | 9.89     | 0.01  | 7.12     | 418.41       | Updated MP, PM |







FIA8 GROUND-WATER OBSERVATION WELL  
Formerly observation well P111

Site ID: 644752147541101  
Local Number: FC00100226CABB1 001

| All measurements in feet          | Feet  | Elevation |
|-----------------------------------|-------|-----------|
| Depth to bottom of well from MP : | 29.40 | 396.4     |
| Depth from TOC to top of SI :     | 25.40 | 400.4     |
| Depth from TOC to bottom of SI :  | 29.40 | 396.4     |
| Land surface datum:               |       | 423.29    |

LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
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) |
|----------|-------------------------------------|
| 07-01-93 | 425.79 New datum                    |

| Date     | Time | Method     | MP to WS | (error) | LS to WS | WS Elevation | Remarks             |
|----------|------|------------|----------|---------|----------|--------------|---------------------|
| 06-20-91 | 1445 | E-tape     | 8.46     | 0.02    | 5.96     | 417.33       | Non-USGS E-tape, PM |
| 06-24-91 | 0950 | E-tape     | 6.85     | 0.02    | 4.35     | 418.94       | Non-USGS E-tape, MM |
| 06-25-91 | 0950 | E-tape     | 6.54     | 0.02    | 4.04     | 419.25       | Non-USGS E-tape, PM |
| 06-27-91 | NA   | E-tape     | 5.97     | 0.02    | 3.47     | 419.82       | Non-USGS E-tape, PM |
| 07-09-91 | 1325 | E-tape     | 5.86     | 0.02    | 3.36     | 419.93       | Non-USGS E-tape, PM |
| 07-10-91 | 1312 | E-tape     | 5.76     | 0.02    | 3.26     | 420.03       | Non-USGS E-tape, PM |
| 07-12-91 | 1254 | E-tape     | 6.46     | 0.02    | 3.96     | 419.33       | PM                  |
| 07-13-91 | 1314 | E-tape     | 6.60     | 0.02    | 4.10     | 419.19       | PM                  |
| 07-17-91 | 1235 | E-tape     | 7.06     | 0.02    | 4.56     | 418.73       | MM                  |
| 07-29-91 | 1350 | E-tape     | 6.69     | 0.02    | 4.19     | 419.10       | PM                  |
| 08-20-91 | 1406 | E-tape     | 6.00     | 0.02    | 3.50     | 419.79       | MM                  |
| 12-27-91 | NA   | E-tape     | 7.77     | 0.02    | 5.27     | 418.02       | MM                  |
| 07-01-93 | 1250 | Steel tape | 6.46     | 0.01    | 3.96     | 419.33       | PM                  |
| 07-09-93 | 1200 | Steel tape | 6.63     | 0.01    | 4.13     | 419.16       | PM                  |
| 07-16-93 | 1130 | Steel tape | 6.40     | 0.01    | 3.90     | 419.39       | MM                  |
| 08-16-93 | 1430 | Steel tape | 5.64     | 0.01    | 3.14     | 420.15       | MM                  |
| 09-15-93 | 1418 | Steel tape | 7.83     | 0.01    | 5.33     | 417.96       | MM                  |
| 10-19-93 | 1150 | Steel tape | 9.71     | 0.01    | 7.21     | 416.08       | MM                  |
| 11-16-93 | 1344 | Steel tape | 10.55    | 0.01    | 8.05     | 415.24       | MM                  |
| 12-21-93 | 1247 | Steel tape | 8.85     | 0.01    | 6.35     | 416.94       | MM                  |

FIA8 GROUND-WATER OBSERVATION WELL  
Formerly observation well P111

(Continued)

Site ID: 644752147541101  
Local Number: FC00100226CABB1 001

| Date     | Time | Method     | MP to WS | (error) | LS to WS | WS Elevation | Remarks |
|----------|------|------------|----------|---------|----------|--------------|---------|
| 01-18-94 | 1324 | Steel tape | 9.80     | 0.01    | 7.30     | 415.99       | MM      |
| 02-25-94 | 1034 | Steel tape | 10.14    | 0.01    | 7.64     | 415.65       | MM      |
| 03-16-94 | 1420 | Steel tape | 10.31    | 0.01    | 7.81     | 415.48       | MM      |
| 04-18-94 | 1448 | Steel tape | 9.67     | 0.01    | 7.17     | 416.12       | MM      |
| 05-16-94 | 1105 | Steel tape | 10.13    | 0.01    | 7.63     | 415.66       | MM      |
| 06-15-94 | 1208 | Steel tape | 8.60     | 0.01    | 6.10     | 417.19       | MM      |
| 07-15-94 | 1406 | Steel tape | 6.76     | 0.01    | 4.26     | 419.03       | MM      |
| 08-15-94 | 1240 | Steel tape | 5.34     | 0.01    | 2.84     | 420.45       | MM      |
| 09-15-94 | 1322 | Steel tape | 9.22     | 0.01    | 6.72     | 416.57       | MM      |
| 10-17-94 | 1137 | Steel tape | 11.11    | 0.01    | 8.61     | 414.68       | MM      |
| 11-15-94 | 1029 | Steel tape | 9.71     | 0.01    | 7.21     | 416.08       | MM      |







FIA9 GROUND-WATER OBSERVATION WELL  
Formerly observation well PTAN

Site ID: 644758147520601  
Local Number: FC00100225BCDD1 003

| All measurements in feet          | Feet  | Elevation |
|-----------------------------------|-------|-----------|
| Depth to bottom of well from MP : | 16.17 | 414.8     |
| Depth from TOC to top of SI :     | NA    | NA        |
| Depth from TOC to bottom of SI :  | NA    | NA        |
| Land surface datum:               |       | 425.56    |

LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
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) |
|----------|-------------------------------------|
| 06-25-91 | 430.65                              |
| 07-09-93 | 430.96 New datum                    |

| Date     | Time | Method | MP to WS | Error | LS to WS | WS elevation | Remarks             |
|----------|------|--------|----------|-------|----------|--------------|---------------------|
| 11-15-90 | 1550 | E-tape | 11.51    | 0.02  | 6.35     | 419.21       | Non-USGS E-tape, MM |
| 12-13-90 | 0958 | E-tape | 11.72    | 0.02  | 6.56     | 419.00       | Non-USGS E-tape, MM |
| 02-13-91 | 1026 | E-tape | 11.78    | 0.02  | 6.62     | 418.94       | Non-USGS E-tape, MM |
| 03-21-91 | 1015 | E-tape | 12.12    | 0.02  | 6.96     | 418.60       | Non-USGS E-tape, MM |
| 05-02-91 | NA   | E-tape | 8.60     | 0.02  | 3.44     | 422.12       | Non-USGS E-tape, PM |
| 05-28-91 | 1410 | E-tape | 11.02    | 0.02  | 5.86     | 419.70       | Non-USGS E-tape, MM |
| 06-20-91 | 1519 | E-tape | 11.06    | 0.02  | 5.90     | 419.66       | Non-USGS E-tape, PM |
| 06-21-91 | 1205 | E-tape | 11.04    | 0.02  | 5.88     | 419.68       | Non-USGS E-tape, PM |
| 06-24-91 | 0850 | E-tape | 10.71    | 0.02  | 5.55     | 420.01       | Non-USGS E-tape, MM |
| 06-25-91 | 1012 | E-tape | 10.49    | 0.02  | 5.33     | 420.23       | Non-USGS E-tape, PM |
| 06-27-91 | 1127 | E-tape | 10.10    | 0.02  | 4.94     | 420.62       | Non-USGS E-tape, PM |
| 07-09-91 | 1250 | E-tape | 9.84     | 0.02  | 4.68     | 420.88       | Non-USGS E-tape, PM |
| 07-10-91 | 1241 | E-tape | 9.72     | 0.02  | 4.56     | 421.00       | Non-USGS E-tape, PM |
| 07-12-91 | 1339 | E-tape | 10.13    | 0.02  | 4.97     | 420.59       | PM                  |
| 07-13-91 | 1238 | E-tape | 10.23    | 0.02  | 5.07     | 420.49       | PM                  |
| 07-17-91 | 1203 | E-tape | 10.48    | 0.02  | 5.32     | 420.24       | MM                  |
| 07-29-91 | 1430 | E-tape | 10.47    | 0.02  | 5.31     | 420.25       | PM                  |
| 08-20-91 | 1441 | E-tape | 10.15    | 0.02  | 4.99     | 420.57       | MM                  |
| 12-27-91 | 0930 | E-tape | 10.00    | 0.02  | 4.84     | 420.72       | MM                  |

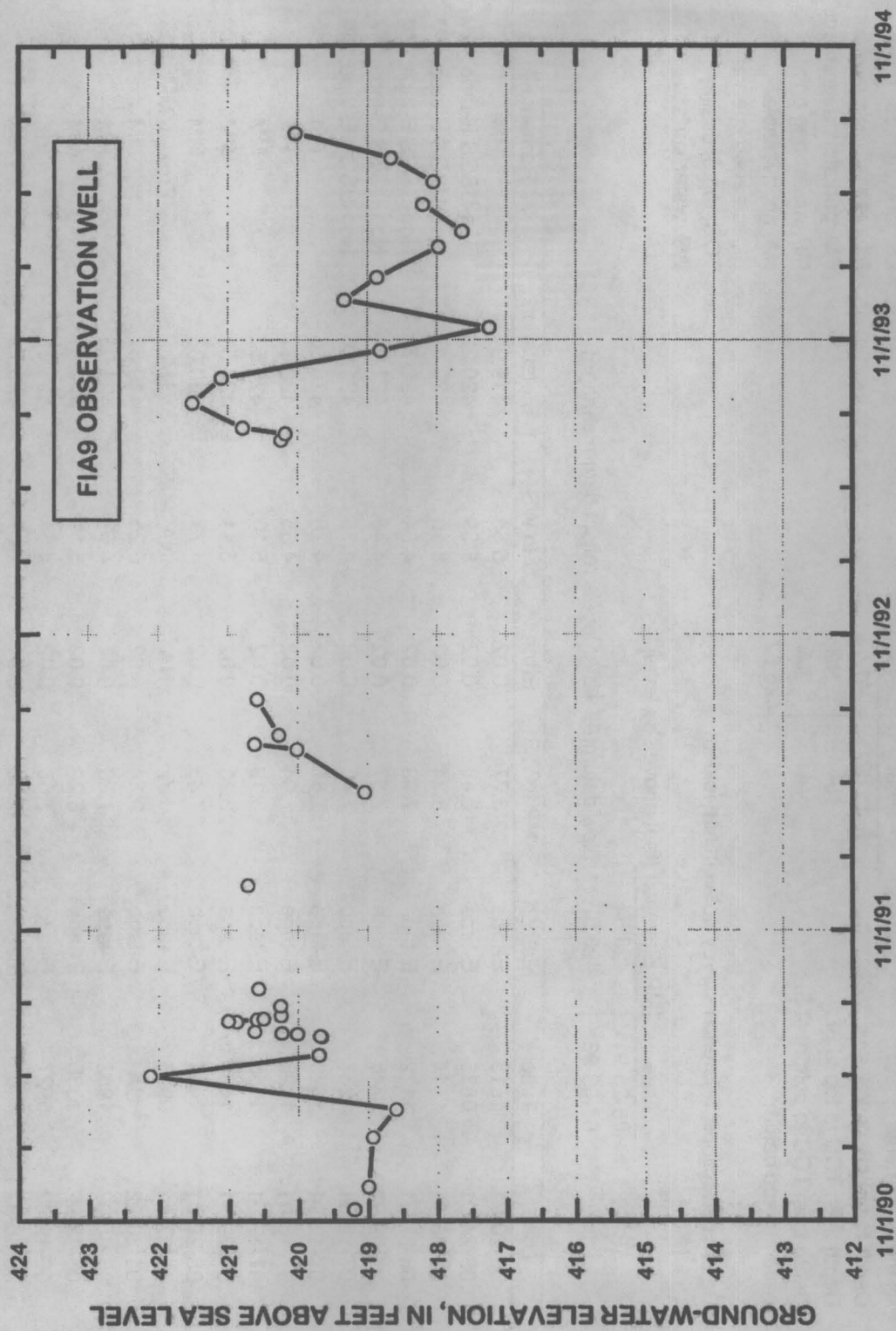
FIA9 GROUND-WATER OBSERVATION WELL  
Formerly observation well PTAN

(Continued)

Site ID: 644758147520601  
Local Number: FC00100225BCDD1 003

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks              |
|----------|------|------------|----------|-------|----------|--------------|----------------------|
| 04-20-92 | 0846 | E-tape     | 11.68    | 0.02  | 6.52     | 419.04       | MM                   |
| 06-12-92 | 1356 | E-tape     | 10.71    | 0.02  | 5.55     | 420.01       | MM                   |
| 06-19-92 | 0830 | E-tape     | 10.10    | 0.02  | 4.94     | 420.62       | PM                   |
| 06-30-92 | 1124 | Steel tape | 10.45    | 0.01  | 5.29     | 420.27       | PM                   |
| 08-13-92 | 1703 | Steel tape | 10.14    | 0.01  | 4.98     | 420.58       | MM                   |
| 07-01-93 | 1150 | Steel tape | 10.73    | 0.01  | 5.33     | 420.23       | Non-USGS E-tape, PM  |
| 07-09-93 | 1700 | Steel tape | 10.79    | 0.01  | 5.39     | 420.17       | PM                   |
| 07-16-93 | 1322 | Steel tape | 10.17    | 0.01  | 4.77     | 420.79       | MM                   |
| 08-16-93 | 1531 | Steel tape | 9.45     | 0.01  | 4.05     | 421.51       | MM                   |
| 09-15-93 | 1448 | Steel tape | 9.87     | 0.01  | 4.47     | 421.09       | MM                   |
| 10-19-93 | 1240 | Steel tape | 12.15    | 0.01  | 6.75     | 418.81       | MM                   |
| 11-16-93 | 1408 | Steel tape | 13.72    | 0.01  | 8.32     | 417.24       | MM                   |
| 12-21-93 | 1315 | Steel tape | 11.63    | 0.01  | 6.23     | 419.33       | MM                   |
| 01-18-94 | 1407 | Steel tape | 12.10    | 0.01  | 6.70     | 418.86       | MM                   |
| 02-25-94 | 1055 | Steel tape | 12.99    | 0.01  | 7.59     | 417.97       | MM                   |
| 03-16-94 | 1403 | Steel tape | 13.33    | 0.01  | 7.93     | 417.63       | MM                   |
| 04-18-94 | 1518 | Steel tape | 12.76    | 0.01  | 7.36     | 418.20       | MM                   |
| 05-16-94 | 1255 | Steel tape | 12.91    | 0.01  | 7.51     | 418.05       | MM                   |
| 06-15-94 | 1253 | Steel tape | 12.30    | 0.01  | 6.90     | 418.66       | MM                   |
| 07-15-94 | 1435 | Steel tape | 10.93    | 0.01  | 5.53     | 420.03       | MM                   |
| 08-15-94 | NA   | NA         | NA       | NA    | NA       | NA           | No data, well jacked |





FIA10 GROUND-WATER OBSERVATION WELL  
Formerly observation well CP60

Site ID: 644800147520901  
Local Number: FC00100225BCDC1 008

| All measurements in feet          | Feet  | Elevation |
|-----------------------------------|-------|-----------|
| Depth to bottom of well from MP : | 15.83 | 412.7     |
| Depth from TOC to top of SI :     | NA    | NA        |
| Depth from TOC to bottom of SI :  | NA    | NA        |
| Land surface datum:               |       | 425.62    |

LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
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) |
|----------|-------------------------------------|
| 06-25-91 | 428.64                              |
| 07-09-93 | 428.57                              |

New datum(All water levels reflect datum change)

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks             |
|----------|------|------------|----------|-------|----------|--------------|---------------------|
| 06-20-91 | 1513 | E-tape     | 8.77     | 0.02  | 5.68     | 419.94       | PM                  |
| 06-24-91 | 0835 | E-tape     | 8.48     | 0.02  | 5.39     | 420.23       | Non-USGS E-tape, MM |
| 06-25-91 | 1114 | E-tape     | 8.24     | 0.02  | 5.15     | 420.47       | Non-USGS E-tape, PM |
| 06-27-91 | 1122 | E-tape     | 7.93     | 0.02  | 4.84     | 420.78       | Non-USGS E-tape, PM |
| 07-09-91 | 1246 | E-tape     | 7.57     | 0.02  | 4.48     | 421.14       | Non-USGS E-tape, PM |
| 07-10-91 | 1237 | E-tape     | 7.45     | 0.02  | 4.36     | 421.26       | Non-USGS E-tape, PM |
| 07-12-91 | 1328 | E-tape     | 7.85     | 0.02  | 4.76     | 420.86       | Non-USGS E-tape, PM |
| 07-13-91 | 1226 | E-tape     | 7.94     | 0.02  | 4.85     | 420.77       | PM                  |
| 07-17-91 | 1155 | E-tape     | 8.19     | 0.02  | 5.10     | 420.52       | PM                  |
| 07-29-91 | 1438 | E-tape     | 8.20     | 0.02  | 5.11     | 420.51       | MM                  |
| 08-20-91 | 1434 | E-tape     | 7.86     | 0.02  | 4.77     | 420.85       | PM                  |
| 12-27-91 | 0915 | E-tape     | NA       | NA    | NA       | NA           | Frozen, MM          |
| 04-20-92 | NA   | E-tape     | 9.34     | 0.02  | 6.25     | 419.37       | MM                  |
| 06-08-92 | 1952 | E-tape     | 7.66     | 0.02  | 4.57     | 421.05       | PM                  |
| 06-12-92 | 1335 | E-tape     | 8.20     | 0.02  | 5.11     | 420.51       | MM                  |
| 06-19-92 | 0927 | E-tape     | 7.63     | 0.02  | 4.54     | 421.08       | PM                  |
| 06-30-92 | 1105 | Steel tape | 7.96     | 0.01  | 4.87     | 420.75       | PM                  |
| 08-13-92 | 1653 | Steel tape | 7.64     | 0.01  | 4.55     | 421.07       | MM                  |
| 06-11-93 | 1525 | Steel tape | 8.64     | 0.01  | 5.69     | 419.93       | New datum, MM       |



FIA10 GROUND-WATER OBSERVATION WELL (Continued)  
 Formerly observation well CP60

Site ID: 644800147520901  
 Local Number: FC00100225BCDC1 008

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks |
|----------|------|------------|----------|-------|----------|--------------|---------|
| 07-01-93 | 1130 | Steel tape | 8.09     | 0.01  | 5.14     | 420.48       | PM      |
| 07-09-93 | 1730 | Steel tape | 8.15     | 0.01  | 5.20     | 420.42       | PM      |
| 07-16-93 | 1319 | Steel tape | 7.65     | 0.01  | 4.70     | 420.92       | MM      |
| 08-16-93 | 1527 | Steel tape | 6.93     | 0.01  | 3.98     | 421.64       | MM      |
| 09-15-93 | 1445 | Steel tape | 7.53     | 0.01  | 4.58     | 421.04       | MM      |
| 10-19-93 | 1221 | Steel tape | 9.52     | 0.01  | 6.57     | 419.05       | MM      |
| 11-16-93 | 1358 | Steel tape | 11.20    | 0.01  | 8.25     | 417.37       | MM      |
| 12-21-93 | 1308 | Steel tape | 9.03     | 0.01  | 6.08     | 419.54       | MM      |
| 01-18-94 | 1400 | Steel tape | 9.35     | 0.01  | 6.40     | 419.22       | MM      |
| 02-25-94 | 1050 | Steel tape | 10.11    | 0.01  | 7.16     | 418.46       | MM      |
| 03-16-94 | 1359 | Steel tape | 10.41    | 0.01  | 7.46     | 418.16       | MM      |
| 04-18-94 | 1515 | Steel tape | 9.82     | 0.01  | 6.87     | 418.75       | MM      |
| 05-16-94 | 1250 | Steel tape | 9.95     | 0.01  | 7.00     | 418.62       | MM      |
| 06-03-94 | 1150 | Steel tape | 10.25    | 0.01  | 7.30     | 418.32       | PM      |
| 06-15-94 | 1150 | Steel tape | 9.42     | 0.01  | 6.47     | 419.15       | MM      |
| 06-23-94 | 0945 | Steel tape | 7.35     | 0.01  | 4.40     | 421.22       | PM      |
| 06-30-94 | 1612 | Steel tape | 7.84     | 0.01  | 4.89     | 420.73       | PM      |
| 07-15-94 | 1433 | Steel tape | 7.93     | 0.01  | 4.98     | 420.64       | MM      |
| 08-08-94 | 1044 | Steel tape | 6.45     | 0.01  | 3.50     | 422.12       | PM      |
| 08-15-94 | 1300 | Steel tape | 6.40     | 0.01  | 3.45     | 422.17       | MM      |
| 09-15-94 | 1347 | Steel tape | 8.51     | 0.01  | 5.56     | 420.06       | MM      |
| 10-17-94 | 1245 | Steel tape | 11.08    | 0.01  | 8.13     | 417.49       | MM      |
| 11-15-94 | 1050 | Steel tape | 10.10    | 0.01  | 7.15     | 418.47       | MM      |





FIA11 GROUND-WATER OBSERVATION WELL  
Formerly observation well DEC1

Site ID: 644804147523301  
Local Number: FC00100226ADAD2 018

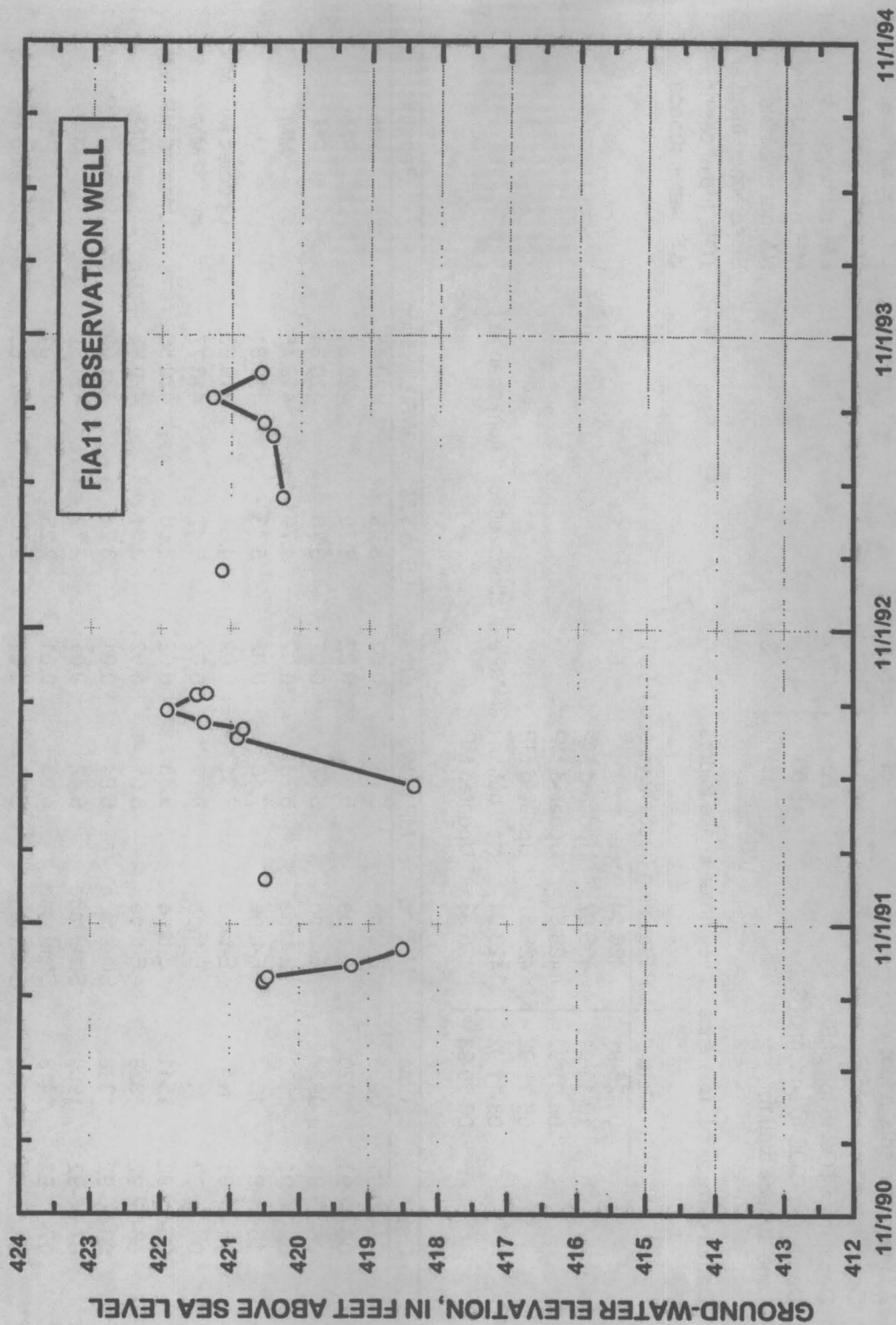
| All measurements in feet          | Feet  | Elevation |
|-----------------------------------|-------|-----------|
| Depth to bottom of well from MP : | 14.50 | 413.0     |
| Depth from TOC to top of SI :     | 4.50  | 423.0     |
| Depth from TOC to bottom of SI :  | 14.50 | 413.0     |
| Land surface datum:               |       | 425.26    |

LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
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)                        |
|----------|------------------------------------------------------------|
| 10-10-91 | 426.98                                                     |
| 06-01-92 | 427.39 Updated MP                                          |
| 06-26-92 | 427.38 Updated MP                                          |
| 08-11-92 | 427.46 New datum (All WS elevations reflect datum change.) |
| 06-30-93 | 427.45 Updated MP                                          |

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks        |
|----------|------|------------|----------|-------|----------|--------------|----------------|
| 08-20-91 | 1003 | E-tape     | 6.53     | 0.02  | 4.74     | 420.52       | MM             |
| 08-22-91 | 1023 | E-tape     | 6.54     | 0.02  | 4.75     | 420.51       | PM             |
| 08-26-91 | 0923 | E-tape     | 6.59     | 0.02  | 4.80     | 420.46       | PM             |
| 09-10-91 | 0858 | E-tape     | 7.80     | 0.02  | 6.01     | 419.25       | MM             |
| 10-01-91 | 1036 | E-tape     | 8.54     | 0.02  | 6.75     | 418.51       | MM             |
| 12-27-91 | 1215 | E-tape     | 6.56     | 0.02  | 4.77     | 420.49       | MM             |
| 04-20-92 | NA   | E-tape     | 8.70     | 0.02  | 6.91     | 418.35       | MM             |
| 06-19-92 | 1226 | E-tape     | 6.56     | 0.02  | 4.36     | 420.90       | MM             |
| 06-30-92 | 1316 | Steel tape | 6.63     | 0.01  | 4.44     | 420.82       | Updated MP, PM |
| 07-08-92 | 1854 | Steel tape | 6.07     | 0.01  | 3.88     | 421.38       | PM             |
| 07-23-92 | 1404 | Steel tape | 5.55     | 0.01  | 3.36     | 421.90       | MM             |
| 08-11-92 | 1055 | Steel tape | 5.98     | 0.01  | 3.78     | 421.48       | Updated MP, PM |
| 08-13-92 | 1336 | Steel tape | 6.12     | 0.01  | 3.92     | 421.34       | MM             |
| 01-13-93 | 1142 | E-tape     | 6.34     | 0.02  | 4.14     | 421.12       | MM             |
| 04-14-93 | 1444 | Steel tape | 7.21     | 0.01  | 5.01     | 420.25       | MM             |
| 06-30-93 | 1538 | Steel tape | 7.05     | 0.01  | 4.86     | 420.40       | Updated MP, MM |
| 07-16-93 | 1258 | Steel tape | 6.92     | 0.01  | 4.73     | 420.53       | MM             |
| 08-16-93 | 1630 | Steel tape | 6.18     | 0.01  | 3.99     | 421.27       | MM             |
| 09-15-93 | 1531 | Steel tape | 6.88     | 0.01  | 4.69     | 420.57       | MM             |





# FIA12 GROUND-WATER OBSERVATION WELL

Formerly observation well DEC2

Site ID: 644805147523301

Local Number: FC00100226ADAA2 019

| All measurements in feet          | Feet  | Elevation |
|-----------------------------------|-------|-----------|
| Depth to bottom of well from MP : | 14.50 | 412.4     |
| Depth from TOC to top of SI :     | 4.50  | 422.4     |
| Depth from TOC to bottom of SI :  | 15.50 | 411.4     |
| Land surface datum:               |       | 424.24    |

LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
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)                        |
|----------|------------------------------------------------------------|
| 06-25-91 | 426.14                                                     |
| 10-10-91 | 426.87 Updated MP                                          |
| 06-01-92 | 426.87 Updated MP                                          |
| 06-25-92 | 426.87 Updated MP                                          |
| 08-11-92 | 426.94 New datum (All WS elevations reflect datum change.) |
| 06-30-93 | 426.93 Updated MP                                          |

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks        |
|----------|------|------------|----------|-------|----------|--------------|----------------|
| 08-20-91 | 0938 | E-tape     | 5.76     | 0.02  | 3.79     | 420.45       | MM             |
| 08-22-91 | 1020 | E-tape     | 5.67     | 0.02  | 3.70     | 420.54       | PM             |
| 08-26-91 | 0927 | E-tape     | 5.67     | 0.02  | 3.70     | 420.54       | PM             |
| 09-10-91 | 0902 | E-tape     | 6.76     | 0.02  | 4.79     | 419.45       | MM             |
| 10-01-91 | 1044 | E-tape     | 7.40     | 0.02  | 5.43     | 418.81       | MM             |
| 12-27-91 | NA   | E-tape     | 7.31     | 0.02  | 4.61     | 419.63       | Updated MP, MM |
| 04-20-92 | NA   | E-tape     | 8.17     | 0.02  | 5.47     | 418.77       | MM             |
| 06-12-92 | 1541 | E-tape     | 6.38     | 0.02  | 3.68     | 420.56       | Updated MP, MM |
| 06-19-92 | 1328 | E-tape     | 6.01     | 0.02  | 3.31     | 420.93       | MM             |
| 06-30-92 | 1328 | Steel tape | 5.94     | 0.01  | 3.24     | 421.00       | Updated MP, PM |
| 07-08-92 | 1900 | Steel tape | 5.42     | 0.01  | 2.72     | 421.52       | MM             |
| 07-23-92 | 1413 | Steel tape | 4.93     | 0.01  | 2.23     | 422.01       | PM             |
| 08-11-92 | 1046 | Steel tape | 5.36     | 0.01  | 2.66     | 421.58       | Updated MP, PM |
| 08-13-92 | 1338 | Steel tape | 5.49     | 0.01  | 2.79     | 421.45       | MM             |
| 01-13-93 | 1145 | E-tape     | 5.82     | 0.02  | 3.12     | 421.12       | MM             |

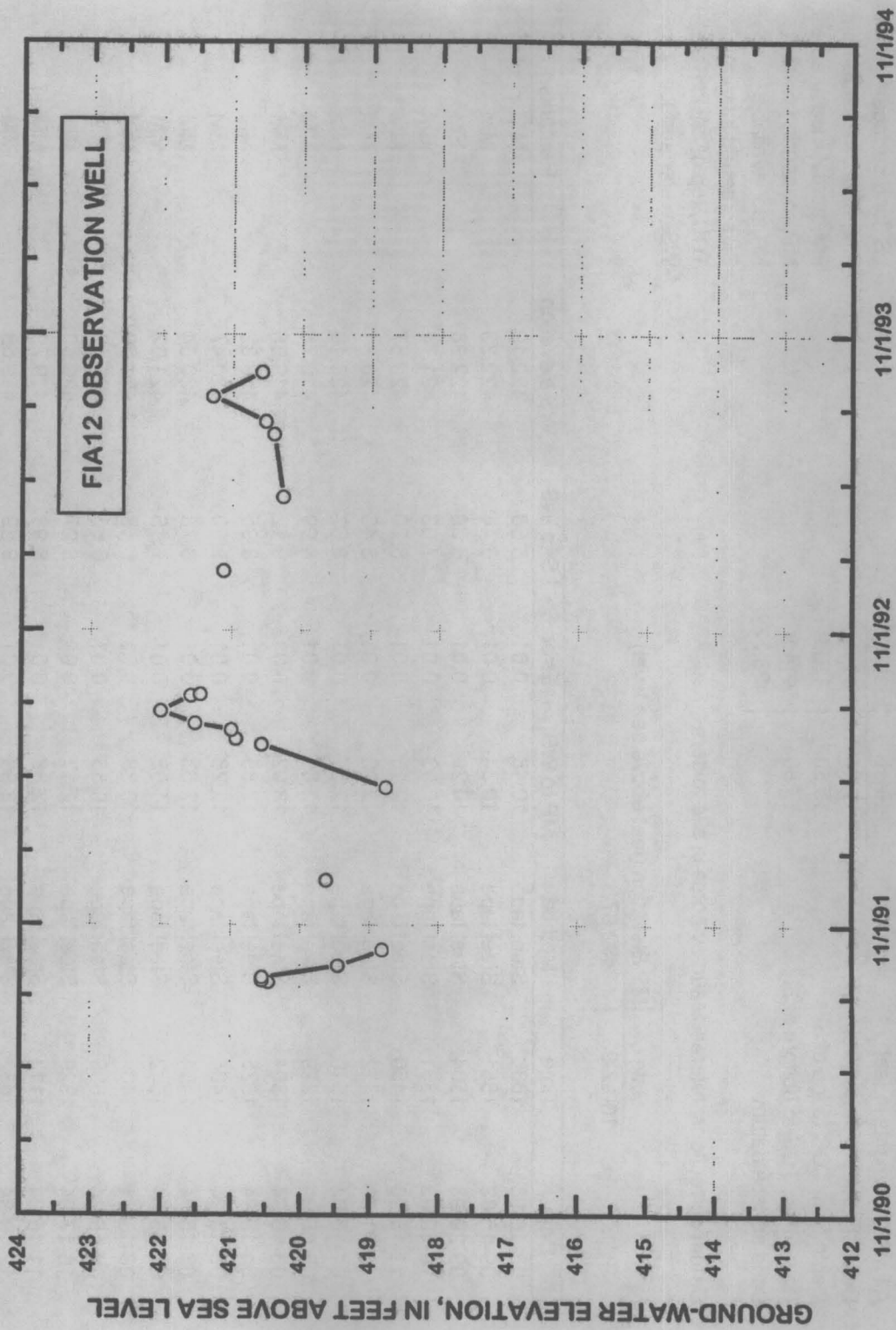
FIA12 GROUND-WATER OBSERVATION WELL  
Formerly observation well DEC2

(Continued)

Site ID: 644805147523301  
Local Number: FC00100226ADAA2 019

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks        |
|----------|------|------------|----------|-------|----------|--------------|----------------|
| 04-14-93 | 1453 | Steel tape | 6.67     | 0.01  | 3.97     | 420.27       | MM             |
| 06-30-93 | 1535 | Steel tape | 6.53     | 0.01  | 3.84     | 420.40       | Updated MP, MM |
| 07-16-93 | 1253 | Steel tape | 6.41     | 0.01  | 3.72     | 420.52       | MM             |
| 08-16-93 | 1627 | Steel tape | 5.64     | 0.01  | 2.95     | 421.29       | MM             |
| 09-15-93 | 1528 | Steel tape | 6.35     | 0.01  | 3.66     | 420.58       | MM             |





FIA13 GROUND-WATER OBSERVATION WELL  
Airport campground well

Site ID: 644922147492701  
Local Number: FC00100118DCBD1 006

| All measurements in feet          | Feet  | Elevation |
|-----------------------------------|-------|-----------|
| Depth to bottom of well from MP : | 17.80 | 414.9     |
| Depth from TOC to top of SI :     | 15.80 | 416.9     |
| Depth from TOC to bottom of SI :  | 17.80 | 414.9     |
| Land surface datum:               |       | 428.77    |

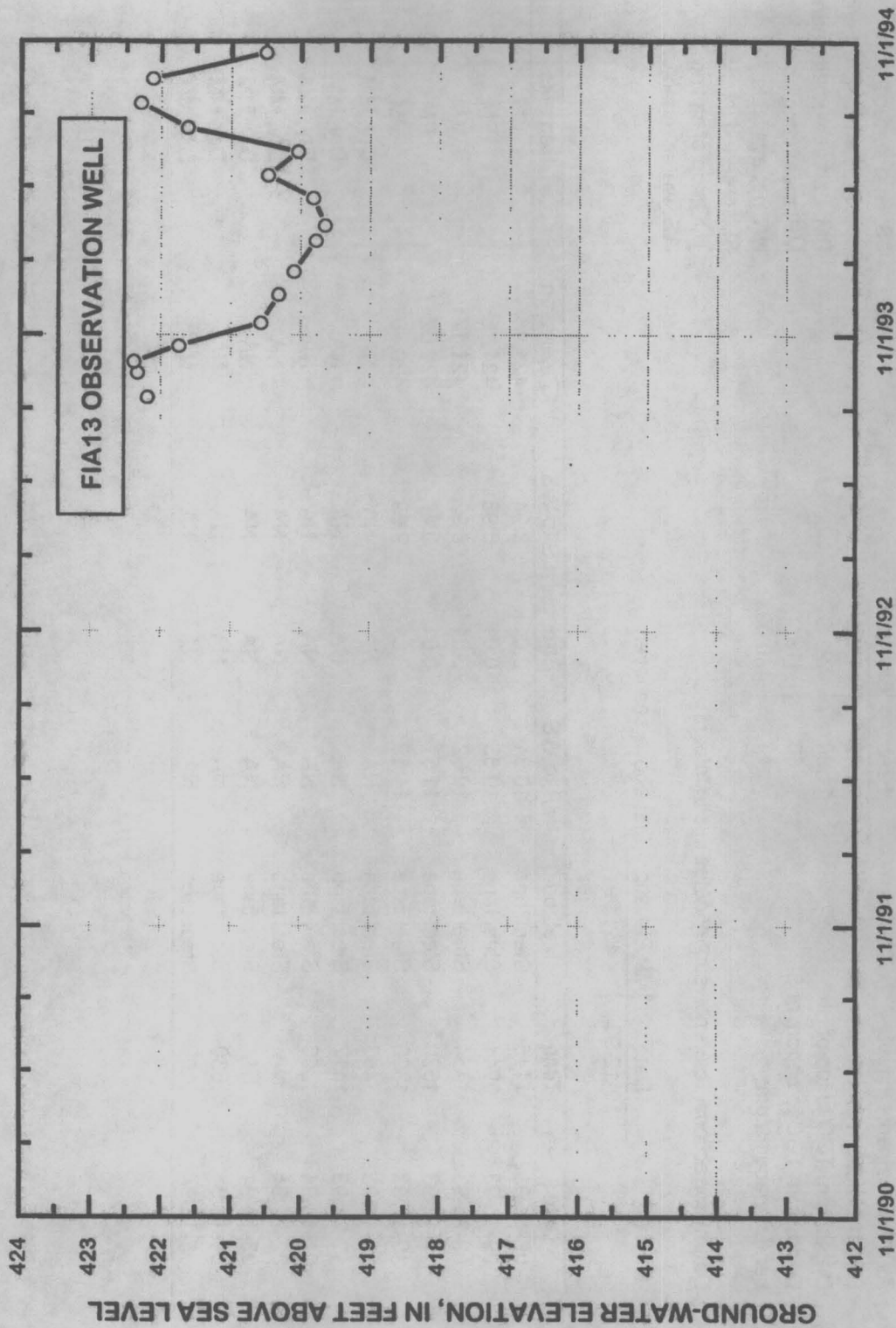
LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
SI, screened interval  
TOC, top of casing  
WS, water surface

Datum corrections, reference survey notes in site folders

| Date     | MP Elevation (feet above sea level) |
|----------|-------------------------------------|
| 10-12-93 | 432.67                              |

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks |
|----------|------|------------|----------|-------|----------|--------------|---------|
| 08-16-93 | 1836 | Steel tape | 10.48    | 0.01  | 6.58     | 422.19       | MM      |
| 09-15-93 | 1551 | Steel tape | 10.34    | 0.01  | 6.44     | 422.33       | MM      |
| 09-29-93 | 1504 | Steel tape | 10.29    | 0.01  | 6.39     | 422.38       | PM      |
| 10-19-93 | 1351 | Steel tape | 10.93    | 0.01  | 7.03     | 421.74       | MM      |
| 11-16-93 | 1450 | Steel tape | 12.10    | 0.01  | 8.20     | 420.57       | MM      |
| 12-21-93 | 1422 | Steel tape | 12.36    | 0.01  | 8.46     | 420.31       | MM      |
| 01-18-94 | 1510 | Steel tape | 12.57    | 0.01  | 8.67     | 420.10       | MM      |
| 02-25-94 | 1229 | Steel tape | 12.89    | 0.01  | 8.99     | 419.78       | MM      |
| 03-16-94 | 1304 | Steel tape | 13.02    | 0.01  | 9.12     | 419.65       | MM      |
| 04-18-94 | 1625 | Steel tape | 12.85    | 0.01  | 8.95     | 419.82       | MM      |
| 05-16-94 | 1404 | Steel tape | 12.20    | 0.01  | 8.30     | 420.47       | MM      |
| 06-15-94 | 1404 | Steel tape | 12.63    | 0.01  | 8.73     | 420.04       | MM      |
| 07-15-94 | 1542 | Steel tape | 11.05    | 0.01  | 7.15     | 421.62       | MM      |
| 08-15-94 | 1404 | Steel tape | 10.38    | 0.01  | 6.48     | 422.29       | MM      |
| 09-15-94 | 1506 | Steel tape | 10.55    | 0.01  | 6.65     | 422.12       | MM      |
| 10-17-94 | 1329 | Steel tape | 12.17    | 0.01  | 8.27     | 420.50       | MM      |
| 11-15-94 | 1113 | Steel tape | 12.88    | 0.01  | 8.98     | 419.79       | MM      |
| 12-19-94 | 1432 | Steel tape | 12.99    | 0.01  | 9.09     | 419.68       | MM      |





# FIA14 GROUND-WATER OBSERVATION WELL

Float pond well

Site ID: 644944147493801  
Local Number: FC00100118BDDDD2 007

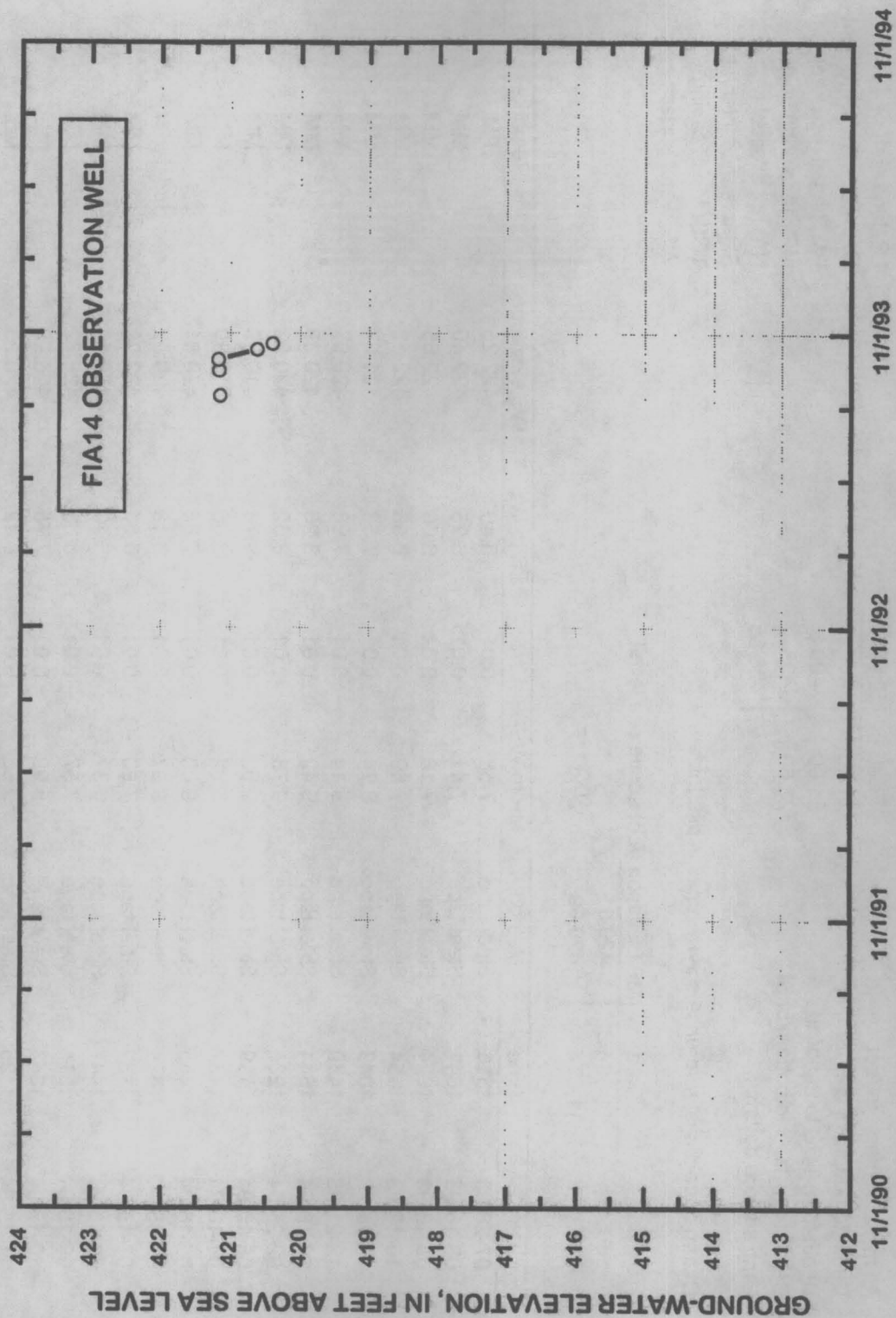
| All measurements in feet          | Feet  | Elevation |
|-----------------------------------|-------|-----------|
| Depth to bottom of well from MP : | 13.00 | 419.0     |
| Depth from TOC to top of SI :     | 11.00 | 421.0     |
| Depth from TOC to bottom of SI :  | 13.00 | 419.0     |
| Land surface datum:               |       | 430.09    |

LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
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) |
|----------|-------------------------------------|
| 10-12-93 | 431.99                              |

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks |
|----------|------|------------|----------|-------|----------|--------------|---------|
| 08-16-93 | 1145 | Steel tape | 10.84    | 0.01  | 8.94     | 421.15       | MM      |
| 09-16-93 | 0944 | Steel tape | 10.83    | 0.01  | 8.93     | 421.16       | PM      |
| 09-29-93 | 1454 | Steel tape | 10.82    | 0.01  | 8.92     | 421.17       | MM      |
| 10-12-93 | 1530 | Steel tape | 11.37    | 0.01  | 9.47     | 420.62       | PM      |
| 10-19-93 | 1356 | Steel tape | 11.59    | 0.01  | 9.69     | 420.40       | MM      |
| 11-16-93 | 1443 | Steel tape | NA       | NA    | NA       | NA           | Dry, MM |
| 12-21-93 | 1417 | Steel tape | NA       | NA    | NA       | NA           | Dry, MM |
| 01-18-94 | 1356 | Steel tape | NA       | NA    | NA       | NA           | Dry, MM |
| 02-25-94 | NA   | Steel tape | NA       | NA    | NA       | NA           | Dry, MM |
| 03-16-94 | NA   | Steel tape | NA       | NA    | NA       | NA           | Dry, MM |
| 04-18-94 | 1630 | Steel tape | NA       | NA    | NA       | NA           | Dry, MM |
| 05-16-94 | 1400 | Steel tape | NA       | NA    | NA       | NA           | Dry, MM |



FIA15 GROUND-WATER OBSERVATION WELL  
Formerly observation well TH93-1

Site ID: 644936147483501  
Local Number: FC00100118DADB1 008

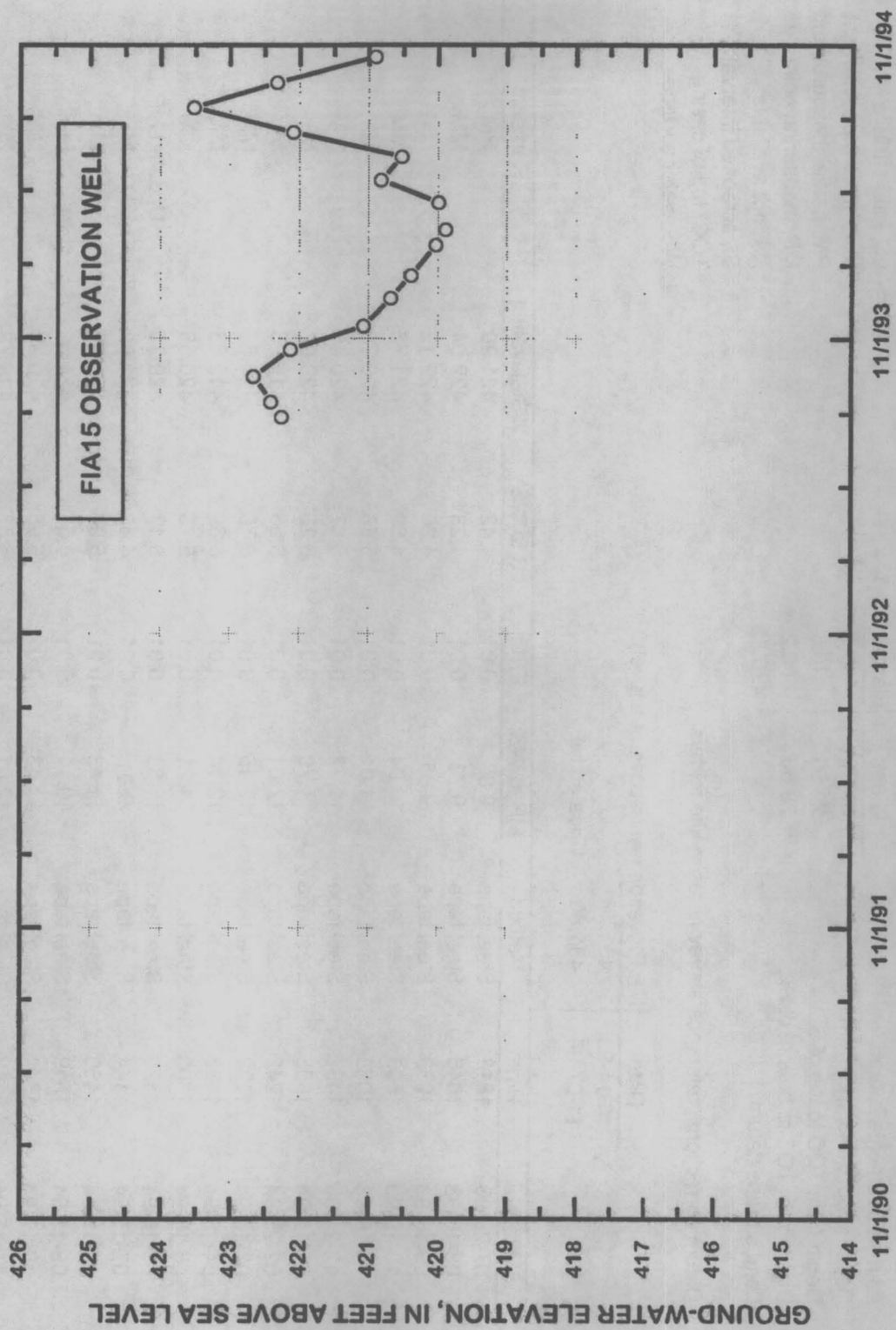
| All measurements in feet          | Feet  | Elevation |
|-----------------------------------|-------|-----------|
| Depth to bottom of well from MP : | 21.00 | 408.8     |
| Depth from TOC to top of SI :     | 21.00 | 408.8     |
| Depth from TOC to bottom of SI :  | 23.60 | 406.2     |
| Land surface datum:               |       | 428.65    |

LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
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) |
|----------|-------------------------------------|
| 11-09-93 | 429.81                              |
| 11-07-94 | 429.89 Updated MP                   |

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks        |
|----------|------|------------|----------|-------|----------|--------------|----------------|
| 07-28-93 | 1816 | Steel tape | 7.56     | 0.01  | 6.40     | 422.25       | PM             |
| 08-16-93 | 1841 | Steel tape | 7.41     | 0.01  | 6.25     | 422.40       | MM             |
| 09-16-93 | 1024 | Steel tape | 7.16     | 0.01  | 6.00     | 422.65       | MM             |
| 10-19-93 | 1454 | Steel tape | 7.69     | 0.01  | 6.53     | 422.12       | MM             |
| 11-16-93 | 1049 | Steel tape | 8.74     | 0.01  | 7.58     | 421.07       | MM             |
| 12-21-93 | 1430 | Steel tape | 9.14     | 0.01  | 7.98     | 420.67       | MM             |
| 01-18-94 | 1644 | Steel tape | 9.42     | 0.01  | 8.26     | 420.39       | MM             |
| 02-25-94 | 1235 | Steel tape | 9.78     | 0.01  | 8.62     | 420.03       | MM             |
| 03-16-94 | 1119 | Steel tape | 9.92     | 0.01  | 8.76     | 419.89       | MM             |
| 04-18-94 | 1132 | Steel tape | 9.82     | 0.01  | 8.66     | 419.99       | MM             |
| 05-16-94 | 1455 | Steel tape | 9.00     | 0.01  | 7.84     | 420.81       | MM             |
| 06-15-94 | 1414 | Steel tape | 9.37     | 0.01  | 8.13     | 420.52       | Updated MP, MM |
| 07-15-94 | 1139 | Steel tape | 7.80     | 0.01  | 6.56     | 422.09       | MM             |
| 08-15-94 | 1447 | Steel tape | 6.37     | 0.01  | 5.13     | 423.52       | MM             |
| 09-15-94 | 1514 | Steel tape | 7.57     | 0.01  | 6.33     | 422.32       | MM             |
| 10-17-94 | 1343 | Steel tape | 8.99     | 0.01  | 7.75     | 420.90       | MM             |
| 11-15-94 | 1135 | Steel tape | 9.66     | 0.01  | 8.42     | 420.23       | MM             |





FIA16 GROUND-WATER OBSERVATION WELL  
Formerly observation well TH93-3

Site ID: 644950147483501  
Local Number: FC00100117BCBB1 003

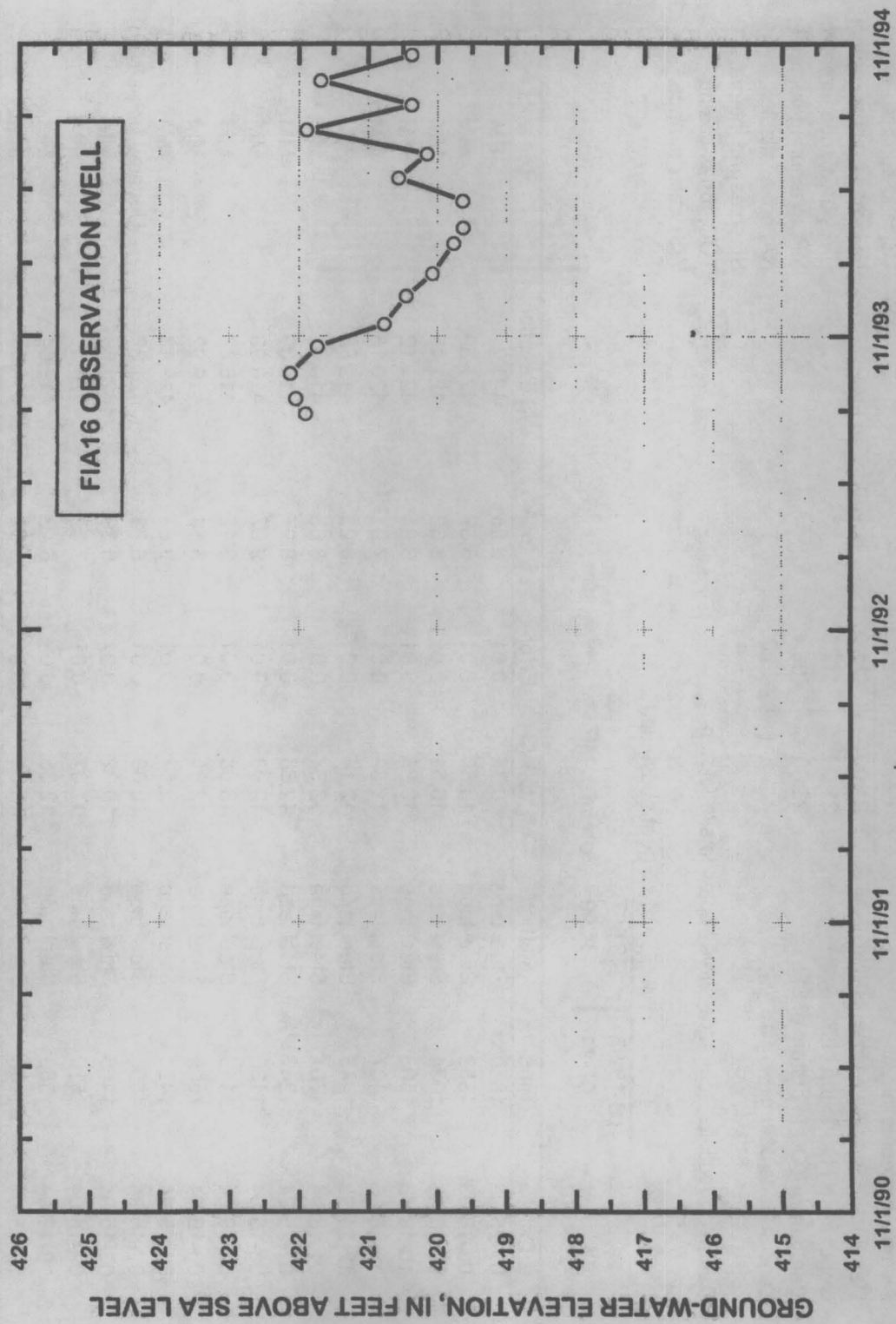
| All measurements in feet          | Feet  | Elevation |
|-----------------------------------|-------|-----------|
| Depth to bottom of well from MP : | 23.60 | 408.2     |
| Depth from TOC to top of SI :     | 21.00 | 410.8     |
| Depth from TOC to bottom of SI :  | 23.60 | 408.2     |
| Land surface datum:               |       | 426.32    |

LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
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) |
|----------|-------------------------------------|
| 10-14-93 | 431.77                              |
| 11-07-94 | 431.80 Updated MP                   |

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks        |
|----------|------|------------|----------|-------|----------|--------------|----------------|
| 07-28-93 | 1813 | Steel tape | 9.87     | 0.01  | 4.42     | 421.90       | PM             |
| 08-16-93 | 1846 | Steel tape | 9.73     | 0.01  | 4.28     | 422.04       | MM             |
| 09-16-93 | 1030 | Steel tape | 9.65     | 0.01  | 4.20     | 422.12       | MM             |
| 10-19-93 | 1503 | Steel tape | 10.04    | 0.01  | 4.59     | 421.73       | MM             |
| 11-16-93 | 1059 | Steel tape | 11.01    | 0.01  | 5.56     | 420.76       | MM             |
| 12-21-93 | 1437 | Steel tape | 11.32    | 0.01  | 5.87     | 420.45       | MM             |
| 01-18-94 | 1655 | Steel tape | 11.70    | 0.01  | 6.25     | 420.07       | MM             |
| 02-25-94 | 1242 | Steel tape | 12.01    | 0.01  | 6.56     | 419.76       | MM             |
| 03-16-94 | 1129 | Steel tape | 12.15    | 0.01  | 6.70     | 419.62       | MM             |
| 04-18-94 | 1138 | Steel tape | 12.14    | 0.01  | 6.69     | 419.63       | MM             |
| 05-16-94 | 1500 | Steel tape | 11.21    | 0.01  | 5.76     | 420.56       | MM             |
| 06-15-94 | 1420 | Steel tape | 11.65    | 0.01  | 6.17     | 420.15       | Updated MP, MM |
| 07-15-94 | 1144 | Steel tape | 9.91     | 0.01  | 4.43     | 421.89       | MM             |
| 08-15-94 | 1450 | Steel tape | 11.43    | 0.01  | 5.95     | 420.37       | MM             |
| 09-15-94 | 1519 | Steel tape | 10.11    | 0.01  | 4.63     | 421.69       | MM             |
| 10-17-94 | 1344 | Steel tape | 11.43    | 0.01  | 5.95     | 420.37       | MM             |
| 11-15-94 | 1142 | Steel tape | 12.01    | 0.01  | 6.53     | 419.79       | MM             |



FIA17 GROUND-WATER OBSERVATION WELL  
Formerly observation well TH93-5

Site ID: 645001147484001  
Local Number: FC00100117BBBC1 008

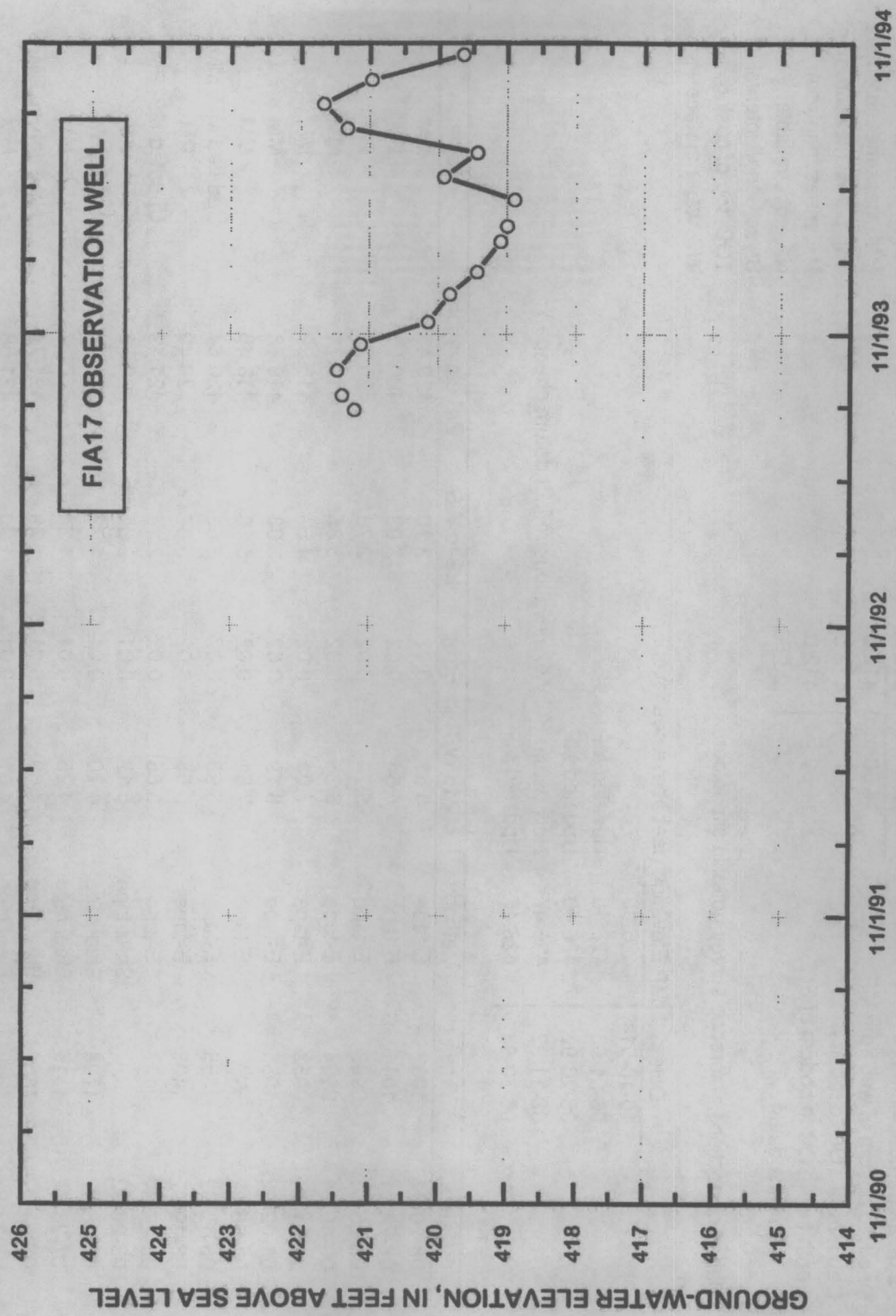
| All measurements in feet          | Feet  | Elevation |
|-----------------------------------|-------|-----------|
| Depth to bottom of well from MP : | 21.00 | 411.0     |
| Depth from TOC to top of SI :     | 21.00 | 411.0     |
| Depth from TOC to bottom of SI :  | 23.60 | 408.4     |
| Land surface datum:               |       | 428.06    |

LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
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) |
|----------|-------------------------------------|
| 08-19-93 | 431.97                              |
| 11-07-94 | 431.99 Updated MP                   |

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks        |
|----------|------|------------|----------|-------|----------|--------------|----------------|
| 07-28-93 | 1810 | Steel tape | 10.76    | 0.01  | 6.85     | 421.21       | PM             |
| 08-16-93 | 1852 | Steel tape | 10.58    | 0.01  | 6.67     | 421.39       | MM             |
| 09-16-93 | 1034 | Steel tape | 10.51    | 0.01  | 6.60     | 421.46       | MM             |
| 10-19-93 | 1503 | Steel tape | 10.85    | 0.01  | 6.94     | 421.12       | MM             |
| 11-16-93 | 1107 | Steel tape | 11.82    | 0.01  | 7.91     | 420.15       | MM             |
| 12-21-93 | 1445 | Steel tape | 12.14    | 0.01  | 8.23     | 419.83       | MM             |
| 01-18-94 | 1701 | Steel tape | 12.54    | 0.01  | 8.63     | 419.43       | MM             |
| 02-25-94 | 1247 | Steel tape | 12.88    | 0.01  | 8.97     | 419.09       | MM             |
| 03-16-94 | 1136 | Steel tape | 12.98    | 0.01  | 9.07     | 418.99       | MM             |
| 04-18-94 | 1143 | Steel tape | 13.08    | 0.01  | 9.17     | 418.89       | MM             |
| 05-16-94 | 1505 | Steel tape | 12.05    | 0.01  | 8.14     | 419.92       | MM             |
| 06-15-94 | 1424 | Steel tape | 12.54    | 0.01  | 8.63     | 419.43       | MM             |
| 07-15-94 | 1550 | Steel tape | 10.66    | 0.01  | 6.73     | 421.33       | Updated MP, MM |
| 08-15-94 | 1455 | Steel tape | 10.32    | 0.01  | 6.39     | 421.67       | MM             |
| 09-15-94 | 1526 | Steel tape | 11.02    | 0.01  | 7.09     | 420.97       | MM             |
| 10-17-94 | 1350 | Steel tape | 12.35    | 0.01  | 8.42     | 419.64       | MM             |
| 11-15-94 | 1148 | Steel tape | 12.95    | 0.01  | 9.02     | 419.04       | MM             |



# IG1 GROUND-WATER OBSERVATION WELL

Site ID: 644804147523302  
Local Number: FC00100226ADAA3 020

| All measurements in feet          | Feet  | Elevation |
|-----------------------------------|-------|-----------|
| Depth to bottom of well from MP : | 14.50 | 412.0     |
| Depth from TOC to top of SI :     | 4.50  | 422.0     |
| Depth from TOC to bottom of SI :  | 14.50 | 412.0     |
| Land surface datum:               |       | 423.56    |

LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
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)                 |
|----------|-----------------------------------------------------|
| 10-10-91 | 426.00                                              |
| 06-01-92 | Updated MP                                          |
| 06-26-92 | Updated MP                                          |
| 08-11-92 | New datum (All WS elevations reflect datum change.) |
| 06-30-93 | Updated MP                                          |

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks        |
|----------|------|------------|----------|-------|----------|--------------|----------------|
| 08-20-91 | 1032 | E-tape     | 5.61     | 0.02  | 3.10     | 420.46       | MM             |
| 08-22-91 | 1014 | E-tape     | 5.54     | 0.02  | 3.03     | 420.53       | PM             |
| 08-26-91 | 0909 | E-tape     | 5.29     | 0.02  | 2.78     | 420.78       | PM             |
| 09-10-91 | 0904 | E-tape     | 6.36     | 0.02  | 3.85     | 419.71       | MM             |
| 10-01-91 | 0953 | E-tape     | 7.08     | 0.02  | 4.57     | 418.99       | MM             |
| 01-02-92 | 1035 | E-tape     | 6.19     | 0.02  | 3.68     | 419.88       | MM             |
| 04-20-92 | NA   | E-tape     | 7.61     | 0.02  | 5.10     | 418.46       | MM             |
| 06-12-92 | 1555 | E-tape     | 5.93     | 0.02  | 3.02     | 420.54       | Updated MP, MM |
| 06-19-92 | 1408 | E-tape     | 5.58     | 0.02  | 3.07     | 420.49       | PM             |
| 06-27-92 | 2127 | E-tape     | 5.05     | 0.02  | 2.14     | 421.42       | Updated MP, PM |
| 06-28-92 | NA   | Steel tape | 5.12     | 0.01  | 2.61     | 420.95       | PM             |
| 07-08-92 | 1748 | Steel tape | 4.70     | 0.01  | 1.79     | 421.77       | PM             |
| 07-23-92 | 1316 | Steel tape | 4.25     | 0.01  | 1.34     | 422.22       | MM             |
| 08-11-92 | 1154 | Steel tape | 4.69     | 0.01  | 1.78     | 421.78       | New datum, PM  |
| 08-13-92 | 1340 | Steel tape | 4.81     | 0.01  | 1.90     | 421.66       | MM             |
| 04-14-93 | 1505 | Steel tape | 6.15     | 0.01  | 3.24     | 420.32       | MM             |





# IG2 GROUND-WATER OBSERVATION WELL

Site ID: 644804147523202  
Local Number: FC00100226ADAD3 021

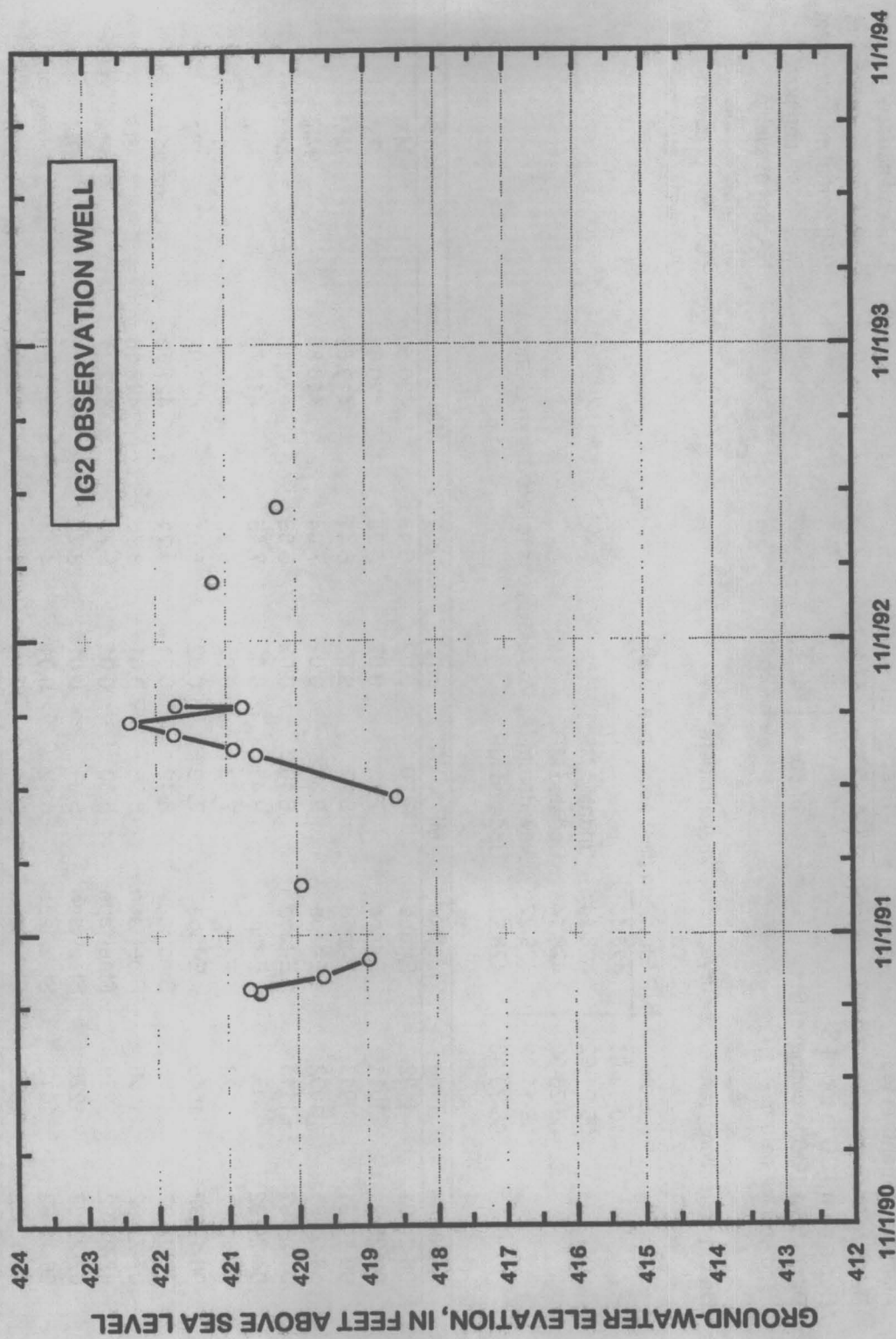
LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
SI, screened interval  
TOC, top of casing  
WS, water surface

| All measurements in feet          | Feet  | Elevation |
|-----------------------------------|-------|-----------|
| Depth to bottom of well from MP : | 14.50 | 412.6     |
| Depth from TOC to top of SI :     | 4.50  | 422.6     |
| Depth from TOC to bottom of SI :  | 14.50 | 412.6     |
| Land surface datum:               |       | 424.88    |

Datum corrections, reference survey notes in site folders

| Date     | MP Elevation (feet above sea level)                        |
|----------|------------------------------------------------------------|
| 10-10-91 | 426.76                                                     |
| 06-01-92 | 427.02 Updated MP                                          |
| 06-26-92 | 427.02 Updated MP                                          |
| 08-11-92 | 427.09 New datum (All WS elevations reflect datum change.) |
| 06-30-93 | 427.13 Updated MP                                          |

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks        |
|----------|------|------------|----------|-------|----------|--------------|----------------|
| 08-20-91 | 1048 | E-tape     | 6.29     | 0.02  | 4.34     | 420.54       | MM             |
| 08-22-91 | 1037 | E-tape     | 6.30     | 0.02  | 4.35     | 420.53       | PM             |
| 08-26-91 | 1036 | E-tape     | 6.15     | 0.02  | 4.20     | 420.68       | PM             |
| 09-10-91 | 0909 | E-tape     | 7.20     | 0.02  | 5.25     | 419.63       | MM             |
| 10-01-91 | 0957 | E-tape     | 7.86     | 0.02  | 5.91     | 418.97       | MM             |
| 01-02-92 | 1123 | E-tape     | 6.89     | 0.02  | 4.94     | 419.94       | MM             |
| 04-20-92 | NA   | E-tape     | 8.27     | 0.02  | 6.32     | 418.56       | MM             |
| 06-12-92 | 1614 | E-tape     | 6.51     | 0.02  | 4.30     | 420.58       | Updated MP, MM |
| 06-19-92 | 1535 | E-tape     | 6.19     | 0.02  | 3.98     | 420.90       | PM             |
| 07-08-92 | 1930 | Steel tape | 5.34     | 0.01  | 3.13     | 421.75       | Updated MP, PM |
| 07-23-92 | 1432 | Steel tape | 4.72     | 0.01  | 2.51     | 422.37       | MM             |
| 08-11-92 | 1136 | Steel tape | 6.32     | 0.01  | 4.11     | 420.77       | New datum, PM  |
| 08-13-92 | 1328 | Steel tape | 5.37     | 0.01  | 3.16     | 421.72       | MM             |
| 01-13-93 | 1306 | E-tape     | 5.90     | 0.02  | 3.69     | 421.19       | MM             |
| 04-14-93 | 1521 | Steel tape | 6.83     | 0.01  | 4.62     | 420.26       | MM             |



# IG3 GROUND-WATER OBSERVATION WELL

Site ID: 644804147523001  
Local Number: FC00100225BCBB1 011

| All measurements in feet          | Feet  | Elevation |
|-----------------------------------|-------|-----------|
| Depth to bottom of well from MP : | 14.50 | 413.7     |
| Depth from TOC to top of SI :     | 4.50  | 423.7     |
| Depth from TOC to bottom of SI :  | 14.50 | 413.7     |
| Land surface datum:               |       | 425.93    |

LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
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)                        |
|----------|------------------------------------------------------------|
| 10-10-91 | 428.13                                                     |
| 06-01-92 | 428.14 Updated MP                                          |
| 06-26-92 | 428.14 Updated MP                                          |
| 08-11-92 | 428.22 New datum (All WS elevations reflect datum change.) |
| 06-30-93 | 428.21 Updated MP                                          |

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks        |
|----------|------|------------|----------|-------|----------|--------------|----------------|
| 08-20-91 | 1102 | E-tape     | 7.70     | 0.02  | 5.43     | 420.50       | MM             |
| 08-26-91 | 1011 | E-tape     | 7.52     | 0.02  | 5.25     | 420.68       | PM             |
| 09-10-91 | 0913 | E-tape     | 8.68     | 0.02  | 6.41     | 419.52       | MM             |
| 10-01-91 | 1002 | E-tape     | 9.31     | 0.02  | 7.04     | 418.89       | MM             |
| 01-02-92 | 1115 | E-tape     | 8.10     | 0.02  | 5.83     | 420.10       | MM             |
| 04-20-92 | NA   | E-tape     | 9.42     | 0.02  | 7.15     | 418.78       | MM             |
| 06-12-92 | 1628 | E-tape     | 7.63     | 0.02  | 5.35     | 420.58       | Updated MP, MM |
| 06-19-92 | 1545 | E-tape     | 7.29     | 0.02  | 5.01     | 420.92       | PM             |
| 07-08-92 | 1255 | Steel tape | 6.49     | 0.01  | 4.21     | 421.72       | Updated MP, PM |
| 07-21-92 | 1158 | Steel tape | 6.06     | 0.01  | 3.78     | 422.15       | MM             |
| 07-22-92 | 1239 | Steel tape | 6.00     | 0.01  | 3.72     | 422.21       | PM             |
| 07-23-92 | 1228 | Steel tape | 5.99     | 0.01  | 3.71     | 422.22       | PM             |
| 08-11-92 | 1012 | Steel tape | 6.42     | 0.01  | 4.13     | 421.80       | New datum, PM  |
| 08-13-92 | 1358 | Steel tape | 6.54     | 0.01  | 4.25     | 421.68       | MM             |







# IG4 GROUND-WATER OBSERVATION WELL

Site ID: 644804147523203  
Local Number: FC00100225BCBC2 012

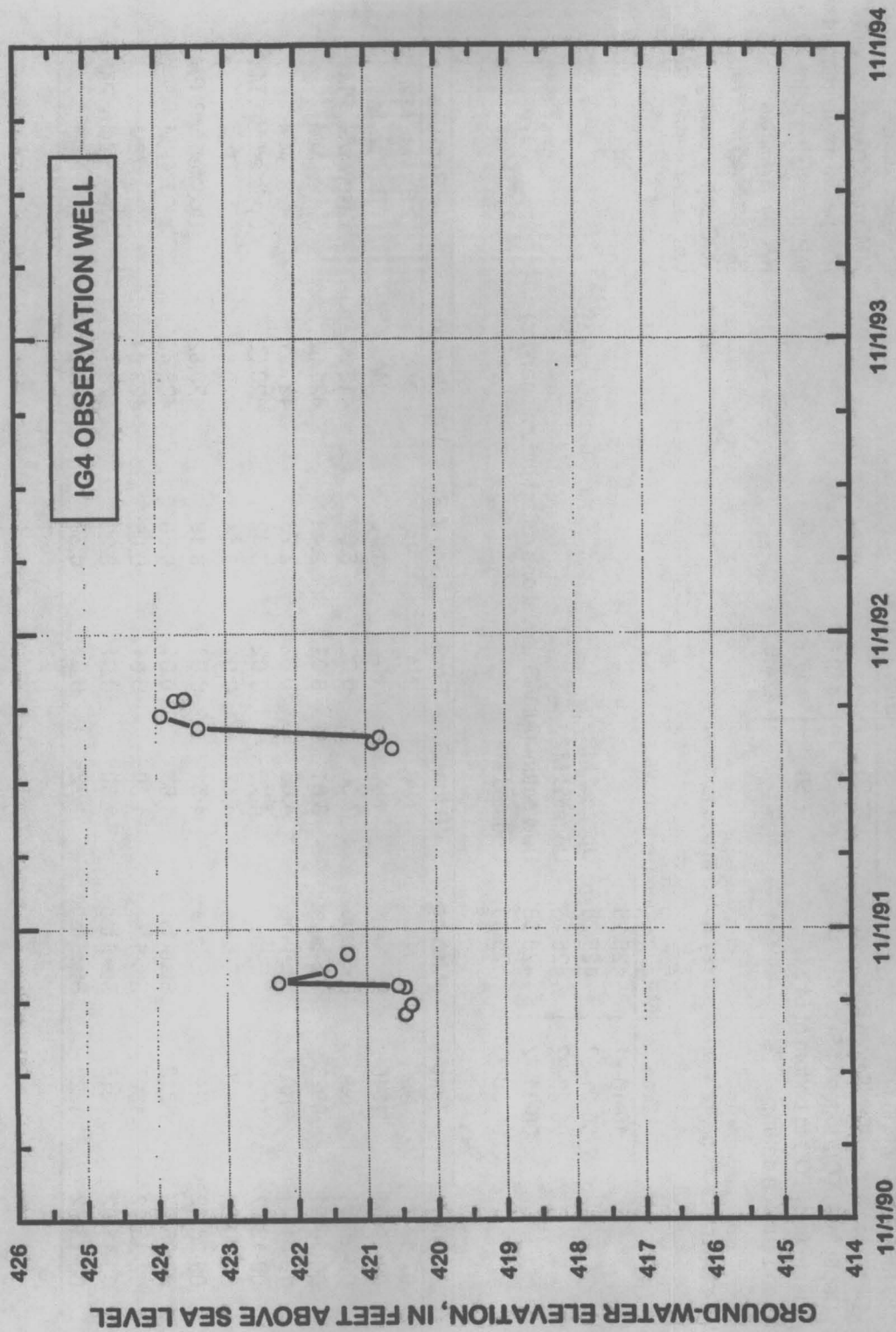
| All measurements in feet          | Feet | Elevation |
|-----------------------------------|------|-----------|
| Depth to bottom of well from MP : | 9.80 | 418.1     |
| Depth from TOC to top of SI :     | 7.80 | 420.1     |
| Depth from TOC to bottom of SI :  | 9.80 | 418.1     |
| Land surface datum:               |      | 424.04    |

LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
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)                        |
|----------|------------------------------------------------------------|
| 10-10-91 | 427.85                                                     |
| 06-01-92 | 427.87 Updated MP                                          |
| 06-26-92 | 427.87 Updated MP                                          |
| 08-11-92 | 427.94 New datum (All WS elevations reflect datum change.) |
| 06-30-93 | 427.94 Updated MP                                          |

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks        |
|----------|------|------------|----------|-------|----------|--------------|----------------|
| 07-17-91 | NA   | E-tape     | 7.48     | 0.02  | 3.60     | 420.44       | MM             |
| 07-29-91 | 1615 | E-tape     | 7.57     | 0.02  | 3.69     | 420.35       | PM             |
| 08-20-91 | 1129 | E-tape     | 7.47     | 0.02  | 3.59     | 420.45       | MM             |
| 08-22-91 | 1028 | E-tape     | 7.38     | 0.02  | 3.50     | 420.54       | PM             |
| 08-26-91 | 0937 | E-tape     | 5.66     | 0.02  | 1.78     | 422.26       | PM             |
| 09-10-91 | 0918 | E-tape     | 6.39     | 0.02  | 2.51     | 421.53       | MM             |
| 10-01-91 | 1007 | E-tape     | 6.64     | 0.02  | 2.76     | 421.28       | MM             |
| 06-12-92 | 1603 | E-tape     | 7.33     | 0.02  | 3.43     | 420.61       | Updated MP, MM |
| 06-19-92 | 1417 | E-tape     | 7.04     | 0.02  | 3.14     | 420.90       | PM             |
| 06-26-92 | 0730 | E-tape     | 7.14     | 0.02  | 3.24     | 420.80       | Updated MP, PM |
| 07-08-92 | 1657 | Steel tape | 4.54     | 0.01  | 0.64     | 423.40       | PM             |
| 07-23-92 | 1312 | Steel tape | 4.00     | 0.01  | 0.10     | 423.94       | MM             |
| 08-11-92 | 1213 | Steel tape | 4.20     | 0.01  | 0.30     | 423.74       | New datum, PM  |
| 08-13-92 | 1216 | Steel tape | 4.35     | 0.01  | 0.45     | 423.59       | MM             |
| 08-13-92 | 1234 | Steel tape | 4.34     | 0.01  | 0.44     | 423.60       | MM             |
| 04-14-93 | 1513 | Steel tape | NA       | NA    | NA       | NA           | Frozen, MM     |



# IG5 GROUND-WATER OBSERVATION WELL

Site ID: 644804147523204  
Local Number: FC00100226ADAA4 005

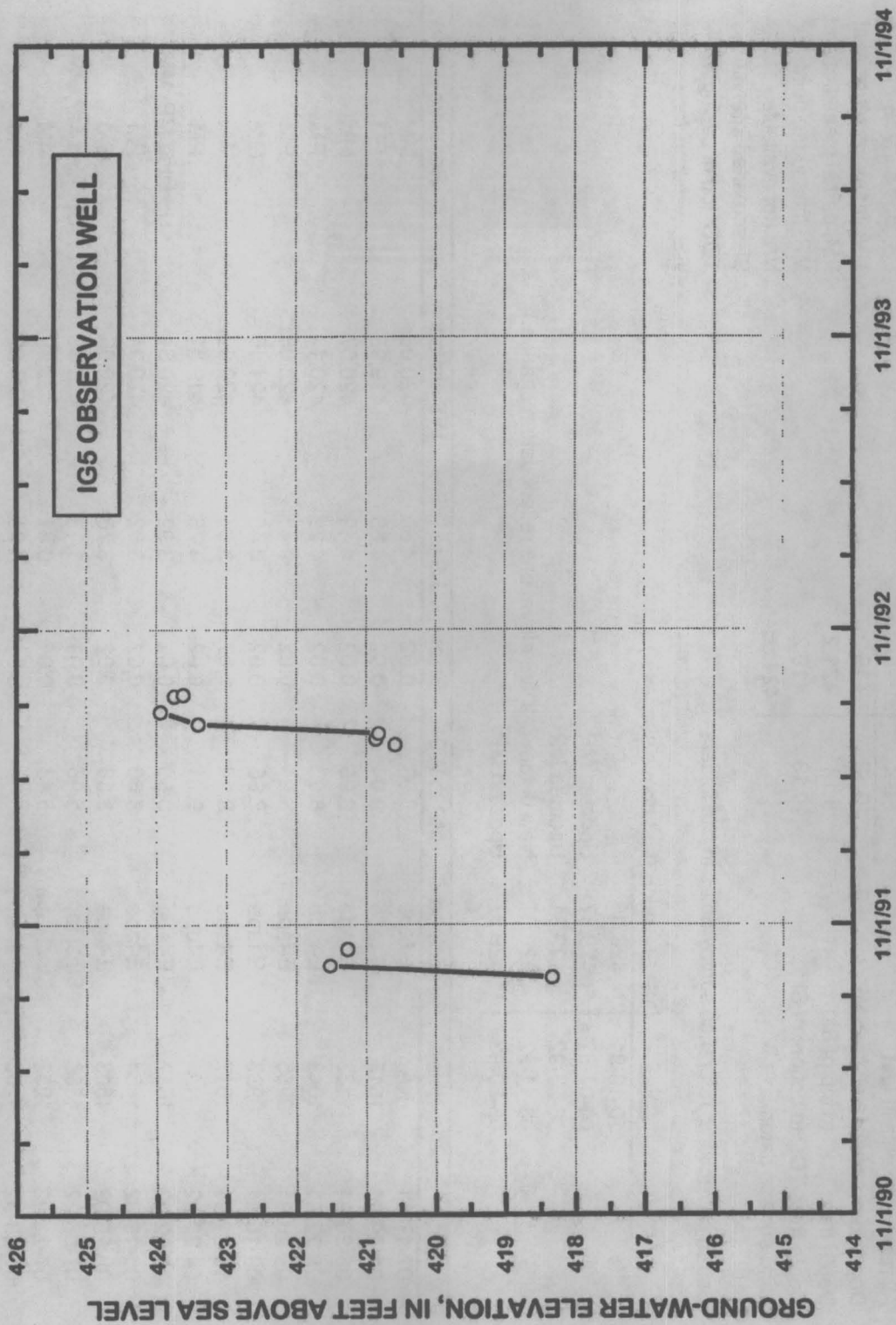
LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
SI, screened interval  
TOC, top of casing  
WS, water surface

| All measurements in feet          | Feet | Elevation |
|-----------------------------------|------|-----------|
| Depth to bottom of well from MP : | 7.50 | 417.8     |
| Depth from TOC to top of SI :     | 5.50 | 419.8     |
| Depth from TOC to bottom of SI :  | 7.50 | 417.8     |
| Land surface datum:               |      | 424.00    |

Datum corrections, reference survey notes in site folders

| Date     | MP Elevation (feet above sea level)                 |
|----------|-----------------------------------------------------|
| 10-10-91 | 425.26                                              |
| 06-01-92 | Updated MP                                          |
| 06-26-92 | Updated MP                                          |
| 08-11-92 | New datum (All WS elevations reflect datum change.) |
| 06-30-93 | Updated MP                                          |

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks        |
|----------|------|------------|----------|-------|----------|--------------|----------------|
| 07-17-91 | NA   | NA         | NA       | NA    | NA       | NA           | Broken, MM     |
| 07-29-91 | 1615 | NA         | NA       | NA    | NA       | NA           | Broken, MM     |
| 08-26-91 | NA   | E-tape     | 7.00     | 0.02  | 5.67     | 418.33       | New well, PM   |
| 09-10-91 | 0923 | E-tape     | 3.81     | 0.02  | 2.48     | 421.52       | MM             |
| 10-01-91 | NA   | E-tape     | 4.06     | 0.02  | 2.73     | 421.27       | MM             |
| 06-12-92 | 1605 | E-tape     | 4.75     | 0.02  | 3.42     | 420.58       | Updated MP, MM |
| 06-19-92 | 1420 | E-tape     | 4.47     | 0.02  | 3.14     | 420.86       | PM             |
| 06-26-92 | NA   | E-tape     | 4.51     | 0.02  | 3.18     | 420.82       | Updated MP, PM |
| 07-08-92 | 1610 | Steel tape | 1.93     | 0.01  | 0.60     | 423.40       | PM             |
| 07-23-92 | 1307 | Steel tape | 1.39     | 0.01  | 0.06     | 423.94       | MM             |
| 08-11-92 | 1215 | Steel tape | 1.59     | 0.01  | 0.26     | 423.74       | New datum, PM  |
| 08-13-92 | 1228 | Steel tape | 1.72     | 0.01  | 0.39     | 423.61       | MM             |



# IG6 GROUND-WATER OBSERVATION WELL

Site ID: 644804147523102  
Local Number: FC00100225BCBC3 013

| All measurements in feet          | Feet  | Elevation |
|-----------------------------------|-------|-----------|
| Depth to bottom of well from MP : | 10.13 | 419.2     |
| Depth from TOC to top of SI :     | 8.13  | 421.2     |
| Depth from TOC to bottom of SI :  | 10.13 | 419.2     |
| Land surface datum:               |       | 424.56    |

LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
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)                 |
|----------|-----------------------------------------------------|
| 10-10-91 | 428.95                                              |
| 06-01-92 | Updated MP                                          |
| 06-26-92 | Updated MP                                          |
| 08-11-92 | New datum (All WS elevations reflect datum change.) |
| 06-30-93 | Updated MP                                          |

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks        |
|----------|------|------------|----------|-------|----------|--------------|----------------|
| 07-17-91 | NA   | E-tape     | 8.96     | 0.02  | 4.50     | 420.06       | MM             |
| 07-29-91 | 1615 | E-tape     | 9.04     | 0.02  | 4.58     | 419.98       | PM             |
| 08-20-91 | 1133 | E-tape     | 8.95     | 0.02  | 4.49     | 420.07       | MM             |
| 08-22-91 | 1043 | E-tape     | 8.85     | 0.02  | 4.39     | 420.17       | PM             |
| 08-26-91 | 0955 | E-tape     | 6.94     | 0.02  | 2.48     | 422.08       | PM             |
| 09-10-91 | 0933 | E-tape     | 7.86     | 0.02  | 3.40     | 421.16       | MM             |
| 10-01-91 | 1017 | E-tape     | 8.10     | 0.02  | 3.64     | 420.92       | MM             |
| 04-20-92 | NA   | E-tape     | 9.21     | 0.02  | 4.75     | 419.81       | PM             |
| 06-12-92 | 1617 | E-tape     | 8.80     | 0.02  | 3.92     | 420.64       | Updated MP, MM |
| 06-19-92 | 1454 | E-tape     | 8.50     | 0.02  | 3.62     | 420.94       | PM             |
| 06-25-92 | 1503 | E-tape     | 8.58     | 0.02  | 3.70     | 420.86       | PM             |
| 07-08-92 | 1506 | Steel tape | 5.95     | 0.01  | 1.13     | 423.43       | Updated MP, PM |
| 07-22-92 | 1252 | Steel tape | 5.43     | 0.01  | 0.61     | 423.95       | MM             |
| 07-23-92 | 1250 | Steel tape | 5.40     | 0.01  | 0.58     | 423.98       | PM             |
| 08-11-92 | 1035 | Steel tape | 5.60     | 0.01  | 0.79     | 423.77       | New datum, PM  |
| 08-13-92 | 1222 | Steel tape | 5.71     | 0.01  | 0.90     | 423.66       | MM             |





# IG7 GROUND-WATER OBSERVATION WELL

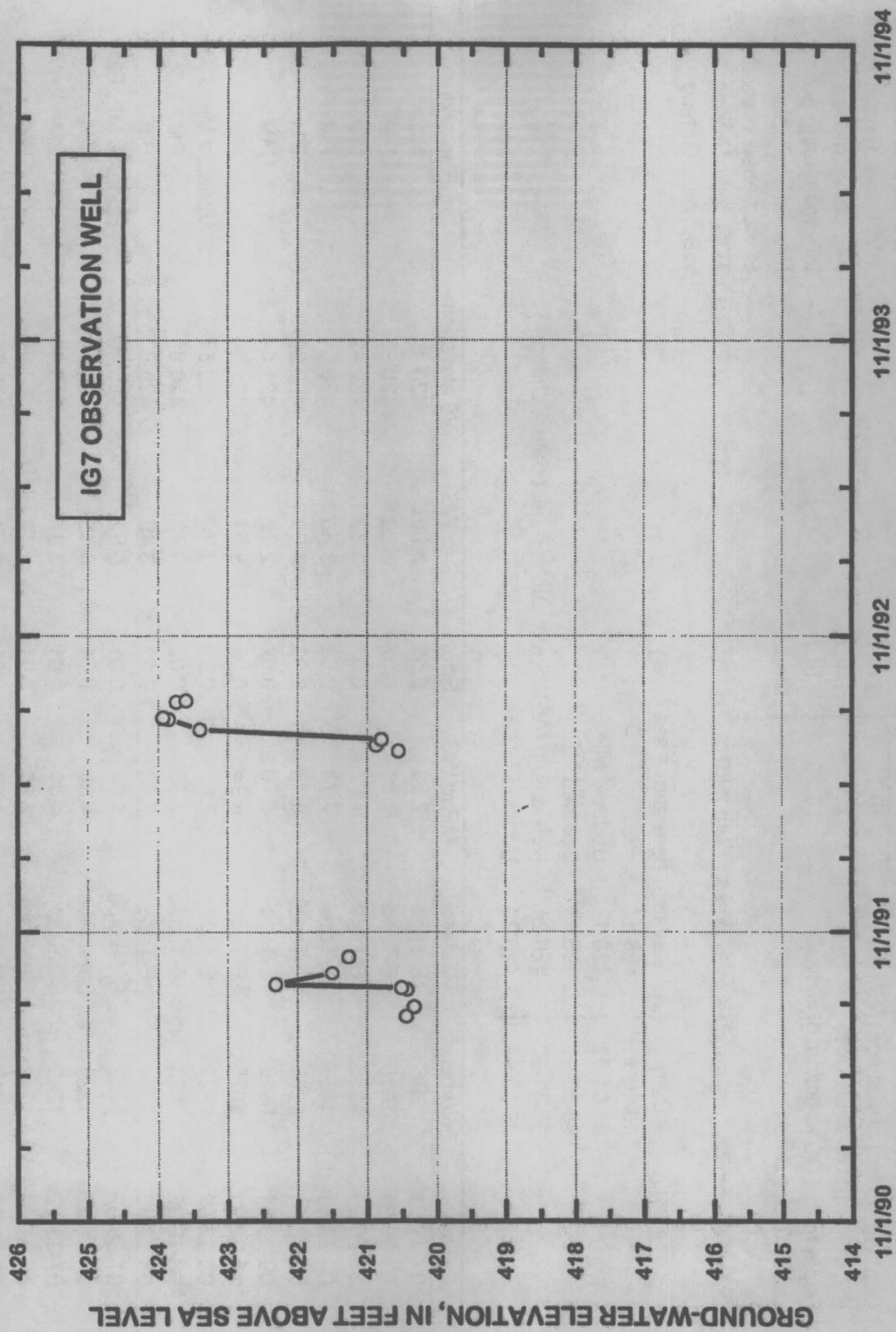
Site ID: 644804147523002  
Local Number: FC00100225BCBC4 014

| All measurements in feet          | Feet | Elevation | LS, land surface        |
|-----------------------------------|------|-----------|-------------------------|
| Depth to bottom of well from MP : | 9.94 | 418.8     | MM, mass measurement    |
| Depth from TOC to top of SI :     | 7.90 | 420.8     | PM, partial measurement |
| Depth from TOC to bottom of SI :  | 9.90 | 418.8     | MP, measuring point     |
| Land surface datum:               |      | 424.66    | NA, not available       |
|                                   |      |           | 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)                 |
|----------|-----------------------------------------------------|
| 10-10-91 | 428.64                                              |
| 06-01-92 | Updated MP                                          |
| 06-26-92 | Updated MP                                          |
| 08-11-92 | New datum (All WS elevations reflect datum change.) |
| 06-30-93 | Updated MP                                          |

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks        |
|----------|------|------------|----------|-------|----------|--------------|----------------|
| 07-17-91 | NA   | E-tape     | 8.27     | 0.02  | 4.22     | 420.44       | MM             |
| 07-29-91 | 1615 | E-tape     | 8.38     | 0.02  | 4.33     | 420.33       | PM             |
| 08-20-91 | 1152 | E-tape     | 8.28     | 0.02  | 4.23     | 420.43       | MM             |
| 08-22-91 | 1050 | E-tape     | 8.20     | 0.02  | 4.15     | 420.51       | PM             |
| 08-26-91 | 1005 | E-tape     | 6.40     | 0.02  | 2.35     | 422.31       | PM             |
| 09-10-91 | 0937 | E-tape     | 7.21     | 0.02  | 3.16     | 421.50       | MM             |
| 10-01-91 | NA   | E-tape     | 7.45     | 0.02  | 3.40     | 421.26       | MM             |
| 06-12-92 | 1625 | E-tape     | 8.17     | 0.02  | 4.11     | 420.55       | Updated MP, MM |
| 06-19-92 | 1505 | E-tape     | 7.85     | 0.02  | 3.79     | 420.87       | PM             |
| 06-26-92 | 0826 | E-tape     | 7.92     | 0.02  | 3.86     | 420.80       | PM             |
| 07-08-92 | 1317 | Steel tape | 5.32     | 0.01  | 1.26     | 423.40       | Updated MP, PM |
| 07-21-92 | 1214 | Steel tape | 4.87     | 0.01  | 0.81     | 423.85       | MM             |
| 07-22-92 | 1243 | Steel tape | 4.79     | 0.01  | 0.73     | 423.93       | PM             |
| 07-23-92 | 1235 | Steel tape | 4.79     | 0.01  | 0.73     | 423.93       | PM             |
| 08-11-92 | 1025 | Steel tape | 4.99     | 0.01  | 0.92     | 423.74       | New datum, PM  |
| 08-13-92 | 1112 | Steel tape | 5.13     | 0.01  | 1.06     | 423.60       | MM             |
| 04-14-93 | 1538 | Steel tape | NA       | NA    | NA       | NA           | Frozen, MM     |



# IG8 GROUND-WATER OBSERVATION WELL

Site ID: 644804147523003  
Local Number: FC00100225BCBC5 015

| All measurements in feet          | Feet  | Elevation |
|-----------------------------------|-------|-----------|
| Depth to bottom of well from MP : | 10.13 | 418.1     |
| Depth from TOC to top of SI :     | 8.13  | 420.1     |
| Depth from TOC to bottom of SI :  | 10.13 | 418.1     |
| Land surface datum:               |       | 424.31    |

LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
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)                 |
|----------|-----------------------------------------------------|
| 10-10-91 | 428.17                                              |
| 06-01-92 | 428.17                                              |
| 06-26-92 | Updated MP                                          |
| 08-11-92 | Updated MP                                          |
| 06-30-93 | New datum (All WS elevations reflect datum change.) |
|          | Updated MP                                          |

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks        |
|----------|------|------------|----------|-------|----------|--------------|----------------|
| 07-17-91 | NA   | E-Tape     | 7.83     | 0.02  | 3.90     | 420.41       | MM             |
| 07-29-91 | 1615 | E-Tape     | 7.89     | 0.02  | 3.96     | 420.35       | PM             |
| 08-20-91 | 1155 | E-Tape     | 7.82     | 0.02  | 3.89     | 420.42       | MM             |
| 08-22-91 | 1053 | E-Tape     | 7.73     | 0.02  | 3.80     | 420.51       | PM             |
| 08-26-91 | 1008 | E-Tape     | 5.93     | 0.02  | 2.00     | 422.31       | PM             |
| 09-10-91 | 0940 | E-Tape     | 6.70     | 0.02  | 2.77     | 421.54       | MM             |
| 10-01-91 | 1025 | E-Tape     | 6.94     | 0.02  | 3.01     | 421.30       | MM             |
| 06-12-92 | 1621 | E-Tape     | 7.67     | 0.02  | 3.74     | 420.57       | Updated MP, MM |
| 06-19-92 | 1528 | E-Tape     | 7.35     | 0.02  | 3.42     | 420.89       | PM             |
| 06-26-92 | 0854 | E-Tape     | 7.42     | 0.02  | 3.49     | 420.82       | PM             |
| 07-08-92 | 1432 | Steel tape | 4.84     | 0.01  | 0.91     | 423.40       | Updated MP, PM |
| 07-21-92 | 1226 | Steel tape | 4.38     | 0.01  | 0.45     | 423.86       | MM             |
| 07-22-92 | 1249 | Steel tape | 4.30     | 0.01  | 0.37     | 423.94       | PM             |
| 07-23-92 | 1244 | Steel tape | 4.30     | 0.01  | 0.37     | 423.94       | PM             |
| 08-11-92 | 1017 | Steel tape | 4.50     | 0.01  | 0.57     | 423.74       | New datum, PM  |
| 08-13-92 | 1210 | Steel tape | 4.63     | 0.01  | 0.70     | 423.61       | MM             |
| 04-14-93 | 1541 | Steel tape | NA       | NA    | NA       | NA           | MM, frozen     |







# IG9 GROUND-WATER OBSERVATION WELL

Site ID: 644804147523303  
Local Number: FC00100226ADAD4 022

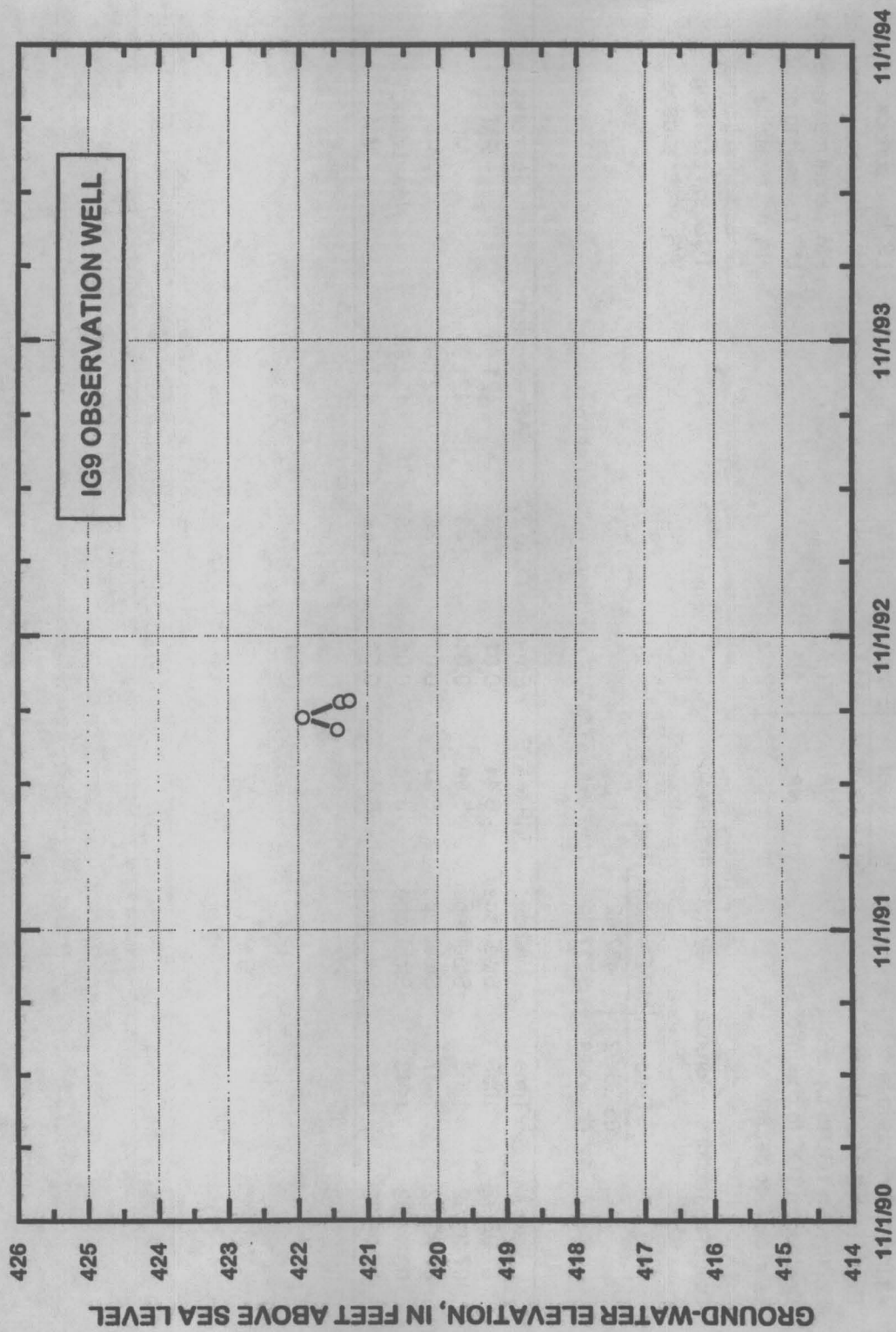
| All measurements in feet          | Feet  | Elevation |
|-----------------------------------|-------|-----------|
| Depth to bottom of well from MP : | 10.00 | 419.0     |
| Depth from TOC to top of SI :     | NA    | NA        |
| Depth from TOC to bottom of SI :  | NA    | NA        |
| Land surface datum:               |       | 424.98    |

LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
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)                |
|----------|----------------------------------------------------|
| 06-26-92 | 428.86                                             |
| 08-11-93 | 428.83                                             |
| 06-30-93 | 429.02                                             |
|          | New datum (All WS elevations reflect datum change) |
|          | Updated MP                                         |

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks       |
|----------|------|------------|----------|-------|----------|--------------|---------------|
| 07-08-92 | 1926 | Steel tape | 7.50     | 0.01  | 3.55     | 421.43       | PM            |
| 07-23-92 | 1441 | Steel tape | 7.00     | 0.01  | 3.05     | 421.93       | MM            |
| 08-11-92 | 1147 | Steel tape | 7.44     | 0.01  | 3.59     | 421.39       | New datum, PM |
| 08-13-92 | 1331 | Steel tape | 7.57     | 0.01  | 3.72     | 421.26       | MM            |



# IG10 GROUND-WATER OBSERVATION WELL

Site ID: 644804147523005  
Local Number: FC00100225BCBC9 019

| All measurements in feet          | Feet  | Elevation |
|-----------------------------------|-------|-----------|
| Depth to bottom of well from MP : | 10.00 | 417.9     |
| Depth from TOC to top of SI :     | NA    | NA        |
| Depth from TOC to bottom of SI :  | NA    | NA        |
| Land surface datum:               |       | 424.33    |

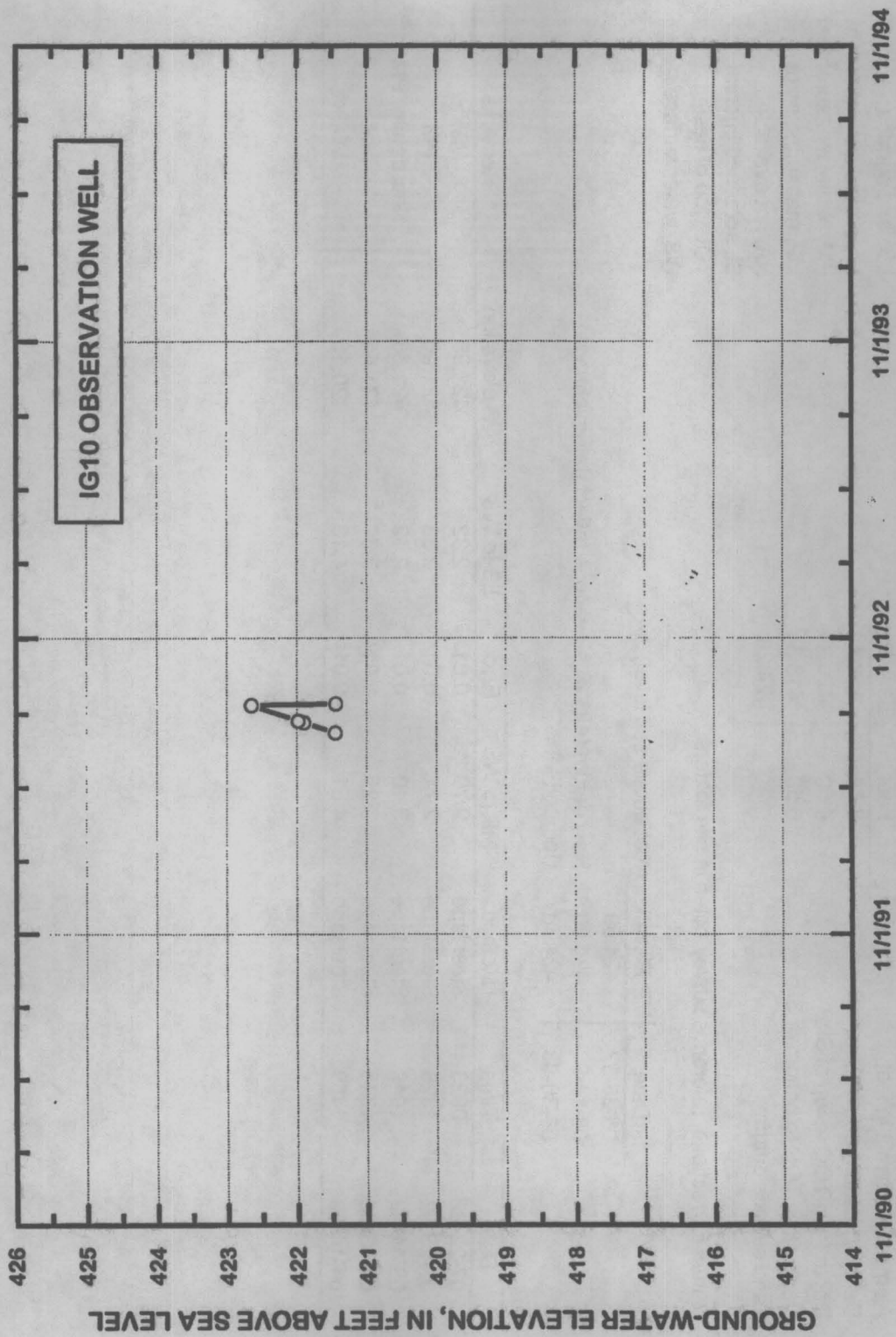
LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
SI, screened interval  
TOC, top of casing  
WS, water surface

Datum corrections, reference survey notes in site folders

| Date     | MP Elevation (feet above sea level) |
|----------|-------------------------------------|
| 06-26-92 | 427.82                              |
| 06-30-93 | 427.89                              |

New datum (All WS elevations reflect datum change)

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks       |
|----------|------|------------|----------|-------|----------|--------------|---------------|
| 07-08-92 | 1933 | Steel tape | 6.44     | 0.01  | 2.88     | 421.45       | PM            |
| 07-21-92 | 1208 | Steel tape | 5.99     | 0.01  | 2.43     | 421.90       | MM            |
| 07-23-92 | 1437 | Steel tape | 5.91     | 0.01  | 2.35     | 421.98       | PM            |
| 08-11-92 | 1143 | Steel tape | 5.24     | 0.01  | 1.68     | 422.65       | New datum, PM |
| 08-13-92 | 1324 | Steel tape | 6.45     | 0.01  | 2.89     | 421.44       | MM            |



# IG11 GROUND-WATER OBSERVATION WELL

Site ID: 644804147523304  
Local Number: FC00100226ADAD4 022

| All measurements in feet          | Feet | Elevation |
|-----------------------------------|------|-----------|
| Depth to bottom of well from MP : | 6.72 | 418.1     |
| Depth from TOC to top of SI :     | 4.50 | 420.3     |
| Depth from TOC to bottom of SI :  | 6.50 | 418.3     |
| Land surface datum:               |      | 424.28    |

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

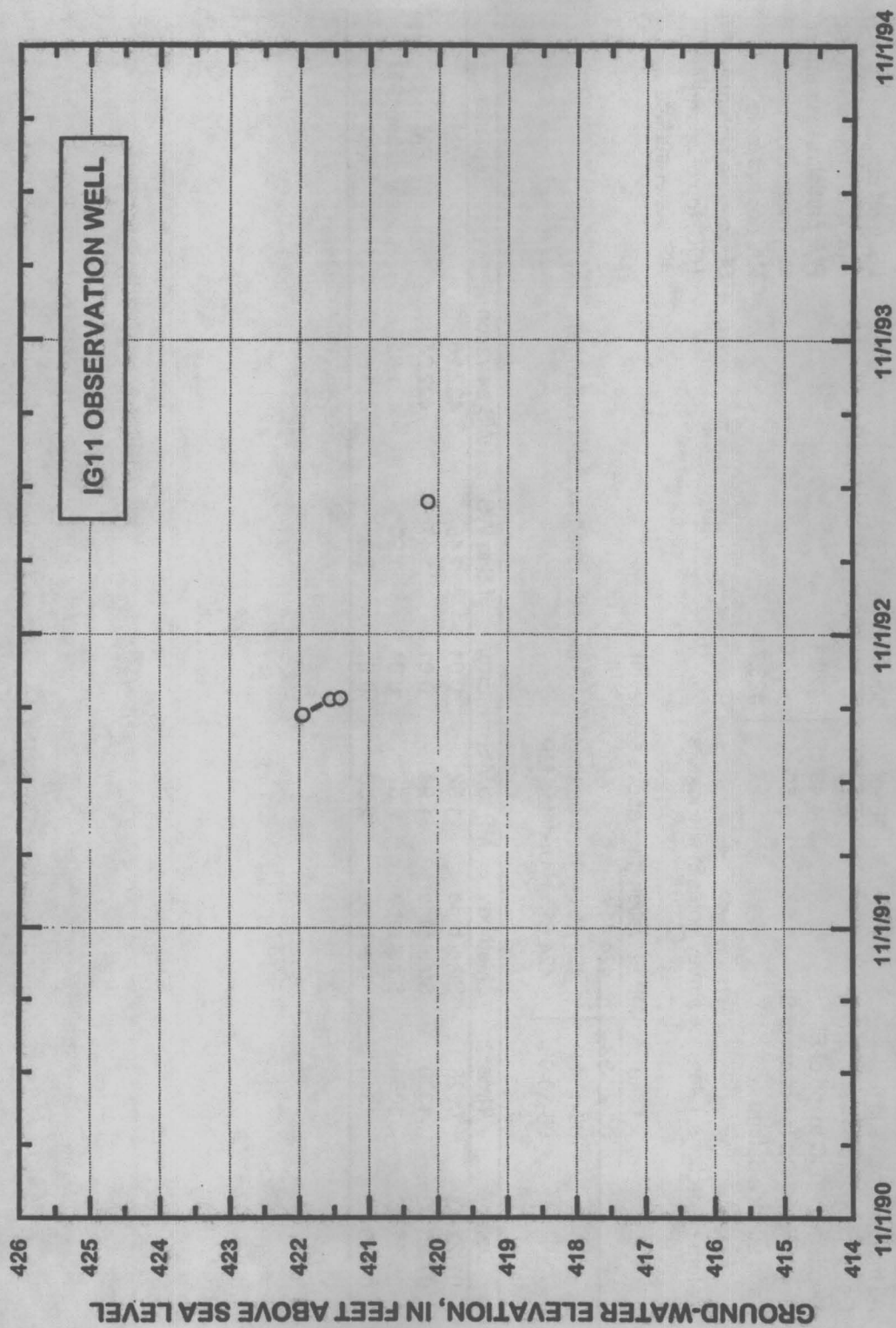
Datum corrections, reference survey notes in site folders

| Date     | MP Elevation (feet above sea level) |
|----------|-------------------------------------|
| 06-26-92 | 424.59                              |
| 08-11-92 | 424.66                              |
| 06-30-93 | 424.78                              |

New datum (All WS elevations reflect datum change)  
Updated MP

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks       |
|----------|------|------------|----------|-------|----------|--------------|---------------|
| 07-22-92 | 0923 | Steel tape | 2.70     | 0.01  | 2.32     | 421.96       | MM            |
| 07-23-92 | 1326 | Steel tape | 2.71     | 0.01  | 2.33     | 421.95       | PM            |
| 08-11-92 | 1049 | Steel tape | 3.10     | 0.01  | 2.72     | 421.56       | New datum, PM |
| 08-13-92 | 1346 | Steel tape | 3.25     | 0.01  | 2.87     | 421.41       | MM            |
| 04-14-93 | 1459 | Steel tape | 4.51     | 0.01  | 4.13     | 420.15       | MM            |





# IG12 GROUND-WATER OBSERVATION WELL

Site ID: 644804147523305  
 Local Number: FC00100226ADAD7 025

| All measurements in feet          | Feet | Elevation |
|-----------------------------------|------|-----------|
| Depth to bottom of well from MP : | 6.70 | 417.8     |
| Depth from TOC to top of SI :     | 4.40 | 420.1     |
| Depth from TOC to bottom of SI :  | 6.50 | 418.0     |
| Land surface datum:               |      | 423.71    |

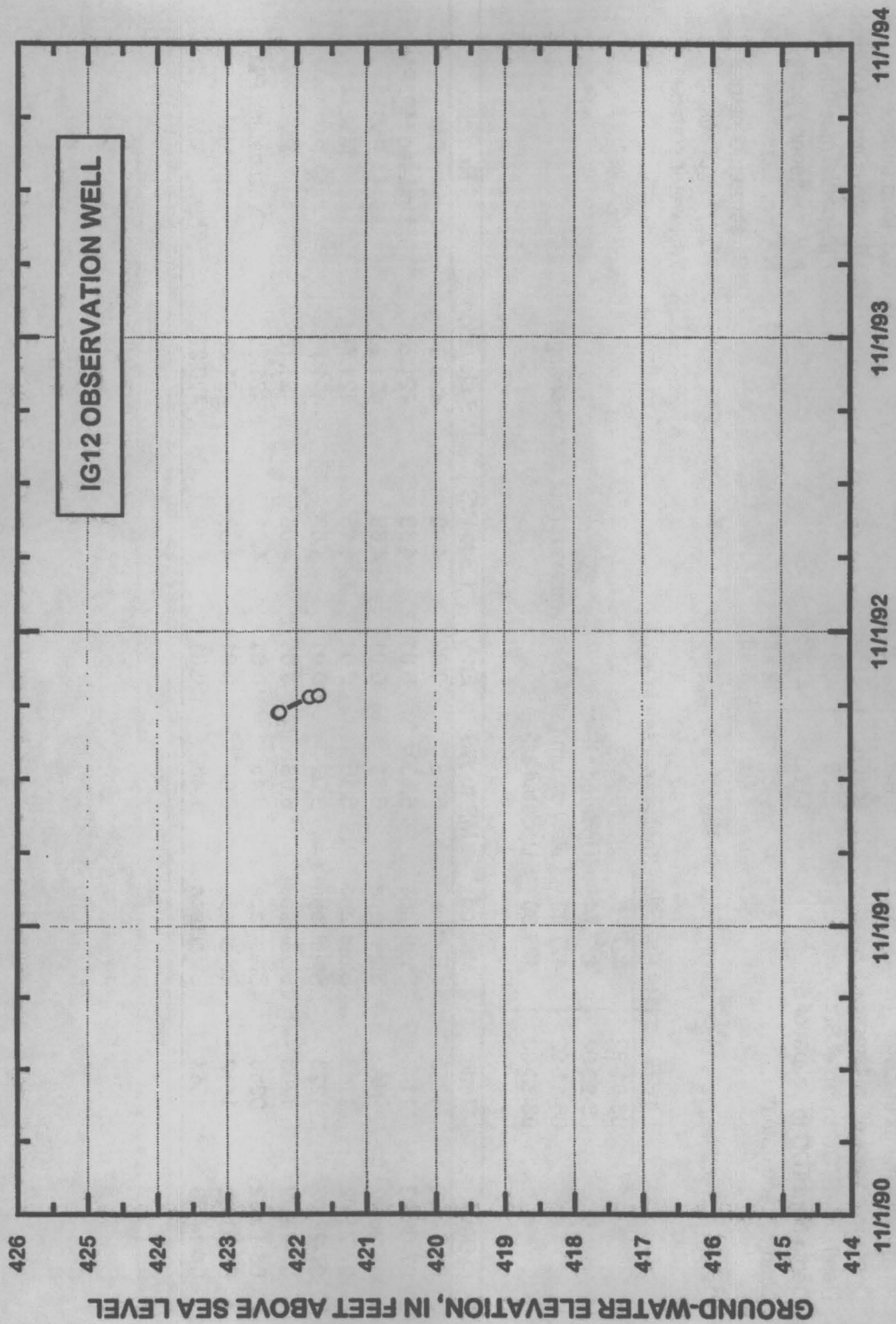
LS, land surface  
 MM, mass measurement  
 PM, partial measurement  
 MP, measuring point  
 NA, not available  
 SI, screened interval  
 TOC, top of casing  
 WS, water surface

Datum corrections, reference survey notes in site folders

| Date     | MP Elevation (feet above sea level) |
|----------|-------------------------------------|
| 06-26-93 | 424.11                              |
| 08-11-92 | 424.18                              |
| 06-30-93 | 424.51                              |

New datum (All WS elevations reflect datum change)  
 Updated MP

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks       |
|----------|------|------------|----------|-------|----------|--------------|---------------|
| 07-22-92 | 0928 | Steel tape | 1.92     | 0.01  | 1.45     | 422.26       | MM            |
| 07-23-92 | 1320 | Steel tape | 1.94     | 0.01  | 1.47     | 422.24       | PM            |
| 08-11-92 | 1059 | Steel tape | 2.37     | 0.01  | 1.90     | 421.81       | New datum, PM |
| 08-13-92 | 1344 | Steel tape | 2.50     | 0.01  | 2.03     | 421.68       | MM            |



# TR1 GROUND-WATER OBSERVATION WELL

Site ID: 644804147522901  
 Local Number: FC00100225BCBC7 016

| All measurements in feet          | Feet  | Elevation |
|-----------------------------------|-------|-----------|
| Depth to bottom of well from MP : | 14.60 | 413.2     |
| Depth from TOC to top of SI :     | 5.00  | 422.8     |
| Depth from TOC to bottom of SI :  | 14.60 | 413.2     |
| Land surface datum:               |       | 425.86    |

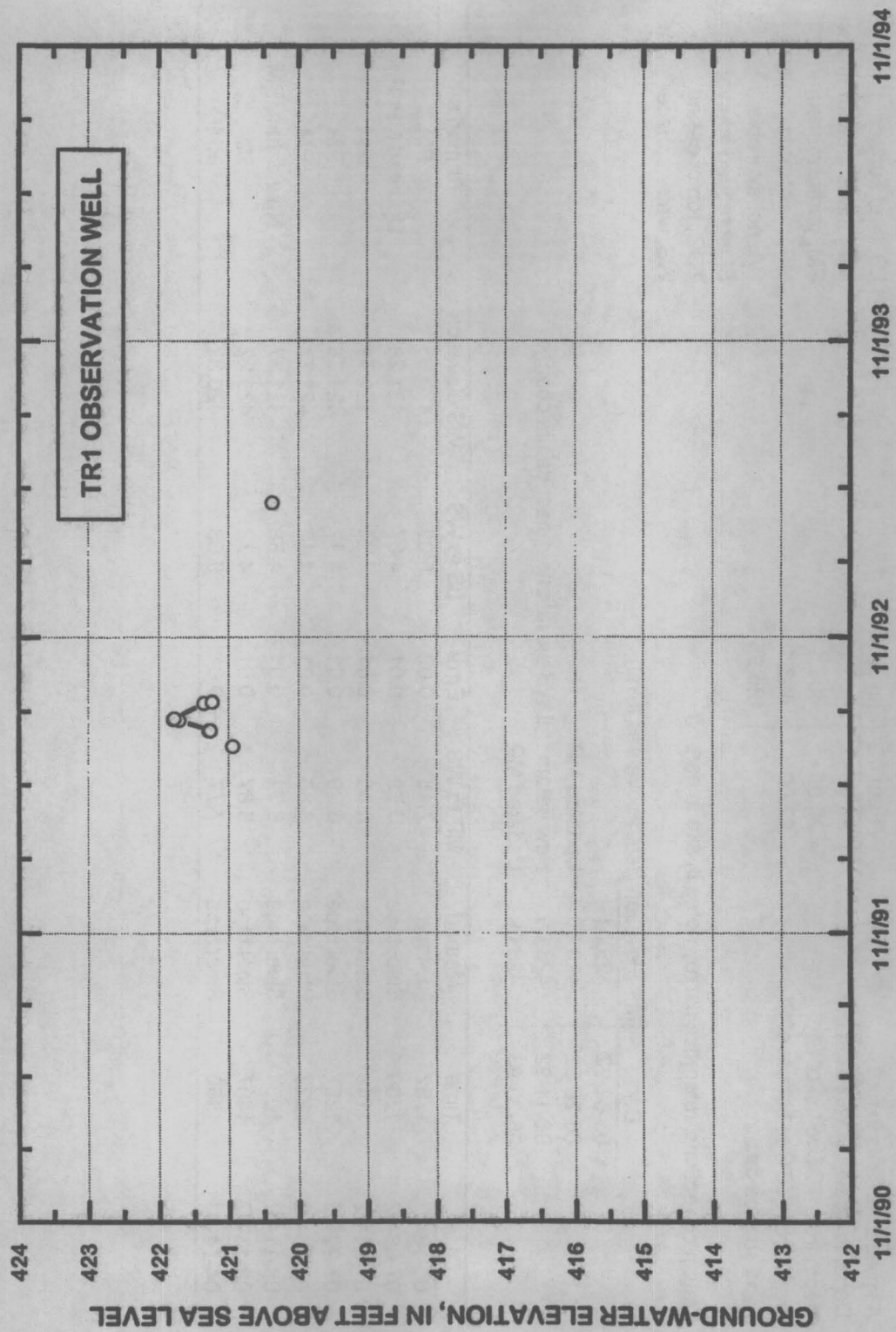
LS, land surface  
 MM, mass measurement  
 PM, partial measurement  
 MP, measuring point  
 NA, not available  
 SI, screened interval  
 TOC, top of casing  
 WS, water surface

Datum corrections, reference survey notes in site folders

| Date     | MP Elevation (feet above sea level)                       |
|----------|-----------------------------------------------------------|
| 06-01-92 | 427.75                                                    |
| 06-26-92 | 427.74 Updated MP                                         |
| 08-11-92 | 427.83 New datum (all WS elevations reflect datum change) |
| 06-30-93 | 427.80 Updated MP                                         |

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks        |
|----------|------|------------|----------|-------|----------|--------------|----------------|
| 06-19-92 | 1750 | E-tape     | 6.88     | 0.02  | 4.92     | 420.94       | PM             |
| 07-08-92 | 1143 | Steel tape | 6.53     | 0.01  | 4.58     | 421.28       | Updated MP, PM |
| 07-08-92 | NA   | Steel tape | 6.55     | 0.01  | 4.60     | 421.26       | PM             |
| 07-21-92 | 1143 | Steel tape | 6.10     | 0.01  | 4.15     | 421.71       | MM             |
| 07-22-92 | 1223 | Steel tape | 6.02     | 0.01  | 4.07     | 421.79       | PM             |
| 07-23-92 | 1203 | Steel tape | 6.03     | 0.01  | 4.08     | 421.78       | PM             |
| 08-11-92 | 0956 | Steel tape | 6.48     | 0.01  | 4.51     | 421.35       | New datum, PM  |
| 08-13-92 | 1412 | Steel tape | 6.60     | 0.01  | 4.63     | 421.23       | MM             |
| 04-14-93 | 1554 | Steel tape | 7.46     | 0.01  | 5.49     | 420.37       | MM             |







TR2 GROUND-WATER OBSERVATION WELL

Site ID: 644804147522902  
Local Number: FC00100225BCBC7 017

| All measurements in feet          | Feet  | Elevation |
|-----------------------------------|-------|-----------|
| Depth to bottom of well from MP : | 22.00 | 406.1     |
| Depth from TOC to top of SI :     | 20.00 | 408.1     |
| Depth from TOC to bottom of SI :  | 22.00 | 406.1     |
| Land surface datum:               |       | 425.95    |

LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
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)                       |
|----------|-----------------------------------------------------------|
| 06-01-92 | 428.01                                                    |
| 06-26-92 | 428.00 Updated MP                                         |
| 08-11-92 | 428.09 New datum (All WS elevations reflect datum change) |
| 06-30-93 | 428.09 Updated MP                                         |

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks        |
|----------|------|------------|----------|-------|----------|--------------|----------------|
| 06-19-92 | 1732 | E-tape     | 7.15     | 0.02  | 5.02     | 420.93       | PM             |
| 07-08-92 | 1200 | Steel tape | 6.79     | 0.01  | 4.67     | 421.28       | Updated MP, PM |
| 07-21-92 | 1148 | Steel tape | 6.36     | 0.01  | 4.24     | 421.71       | MM             |
| 07-22-92 | 1227 | Steel tape | 6.29     | 0.01  | 4.17     | 421.78       | PM             |
| 07-23-92 | 1223 | Steel tape | 6.30     | 0.01  | 4.18     | 421.77       | PM             |
| 08-11-92 | 1004 | Steel tape | 6.72     | 0.01  | 4.58     | 421.37       | New datum, PM  |
| 08-13-92 | 1407 | Steel tape | 6.87     | 0.01  | 4.73     | 421.22       | MM             |
| 04-14-93 | 1550 | Steel tape | 7.77     | 0.01  | 5.63     | 420.32       | MM             |



# TR3 GROUND-WATER OBSERVATION WELL

Site ID: 644804147523004  
Local Number: FC00100225BCBC8 018

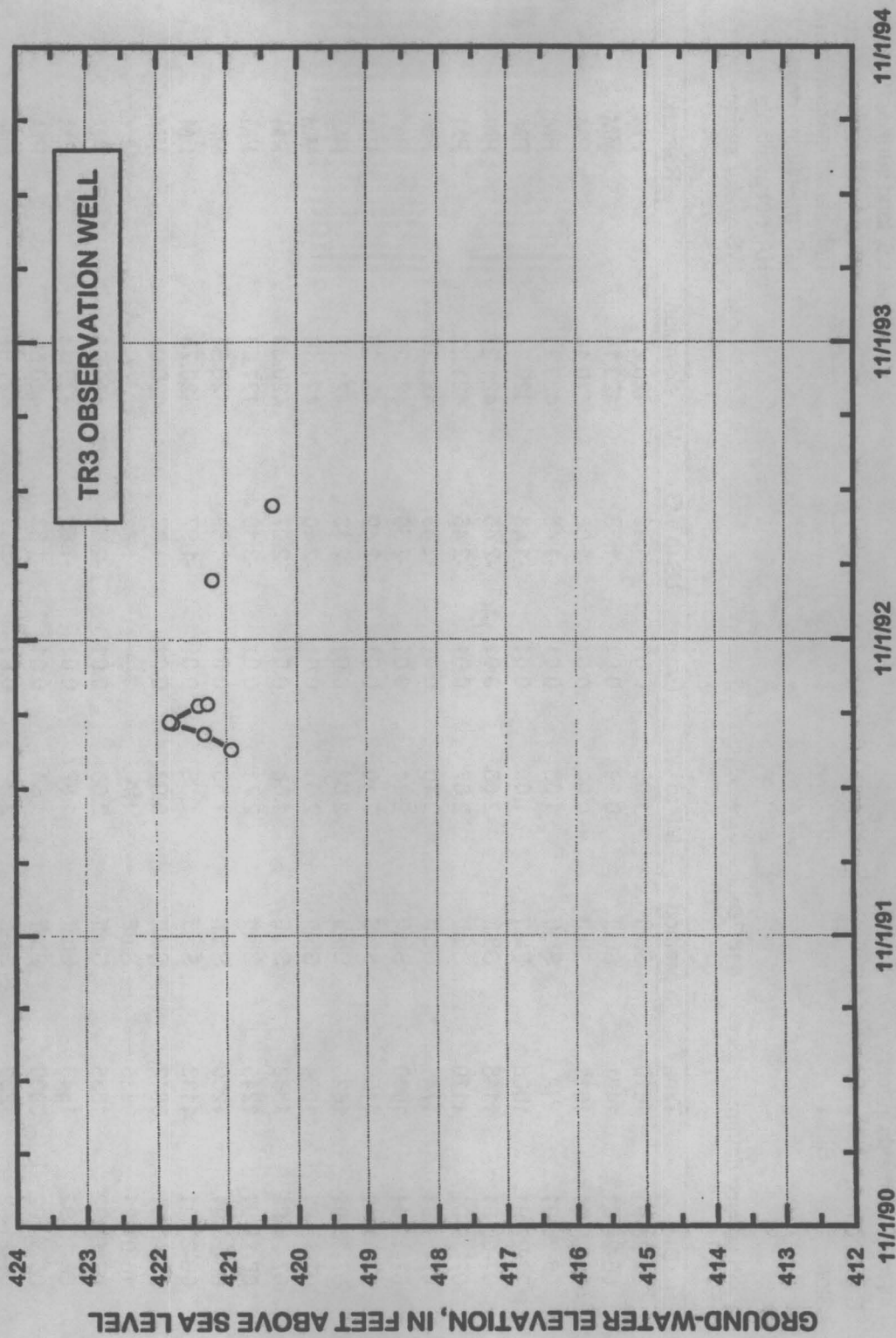
| All measurements in feet          | Feet  | Elevation |
|-----------------------------------|-------|-----------|
| Depth to bottom of well from MP : | 22.00 | 406.2     |
| Depth from TOC to top of SI :     | 20.00 | 408.2     |
| Depth from TOC to bottom of SI :  | 22.00 | 406.2     |
| Land surface datum:               |       | 425.86    |

LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
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)                       |
|----------|-----------------------------------------------------------|
| 06-01-92 | 428.12                                                    |
| 06-26-92 | 428.12 Updated MP                                         |
| 08-11-92 | 428.20 New datum (All WS elevations reflect datum change) |
| 06-30-93 | 428.19 Updated MP                                         |

| Date     | Time | Method     | MP to WS | Error | LS to WS | WS elevation | Remarks        |
|----------|------|------------|----------|-------|----------|--------------|----------------|
| 06-19-92 | 1624 | E-tape     | 7.26     | 0.02  | 4.93     | 420.93       | PM             |
| 07-08-92 | 1223 | Steel tape | 6.87     | 0.01  | 4.54     | 421.32       | Updated MP, PM |
| 07-21-92 | 1152 | Steel tape | 6.42     | 0.01  | 4.09     | 421.77       | MM             |
| 07-22-92 | 1233 | Steel tape | 6.37     | 0.01  | 4.04     | 421.82       | PM             |
| 07-23-92 | 1210 | Steel tape | 6.38     | 0.01  | 4.05     | 421.81       | PM             |
| 08-11-92 | 1009 | Steel tape | 6.80     | 0.01  | 4.46     | 421.40       | New datum, PM  |
| 08-13-92 | 1402 | Steel tape | 6.93     | 0.01  | 4.59     | 421.27       | MM             |
| 01-13-93 | 1339 | E-tape     | 7.00     | 0.01  | 4.66     | 421.20       | MM             |
| 04-14-93 | 1547 | Steel tape | 7.86     | 0.01  | 5.52     | 420.34       | MM             |



# FIASL1 SLOUGH SITE

Slough site north-west of bioremediation area

Site ID: 644944147494001

Local Number: FC00100226ADAB1 010

All measurements in feet  
Reading from staff at this site  
Staff: SLS1

LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
WS, water surface

Land surface datum: 418.76

| Date     | Time | Method | MP to WS | Error | LS to WS | WS elevation | Remarks |
|----------|------|--------|----------|-------|----------|--------------|---------|
| 06-20-91 | 1610 | Staff  | 1.06     | 0.01  | -1.45    | 420.21       | PM      |
| 06-24-91 | 1421 | Staff  | 0.99     | 0.01  | -1.38    | 420.14       | MM      |
| 06-25-91 | 1611 | Staff  | 0.99     | 0.01  | -1.38    | 420.14       | PM      |
| 06-26-91 | NA   | Staff  | 1.06     | 0.01  | -1.45    | 420.21       | PM      |
| 06-27-91 | 1006 | Staff  | 1.09     | 0.01  | -1.48    | 420.24       | PM      |
| 07-09-91 | 1146 | Staff  | 2.06     | 0.01  | -2.45    | 421.21       | PM      |
| 07-10-91 | 1110 | Staff  | 2.07     | 0.01  | -2.46    | 421.22       | PM      |
| 07-11-91 | 1741 | Staff  | 2.10     | 0.01  | -2.49    | 421.25       | PM      |
| 07-12-91 | 1030 | Staff  | 2.11     | 0.01  | -2.50    | 421.26       | PM      |
| 07-13-91 | 1136 | Staff  | 2.10     | 0.01  | -2.49    | 421.25       | PM      |
| 07-16-91 | 1523 | Staff  | 2.04     | 0.01  | -2.43    | 421.19       | PM      |
| 07-17-91 | 1024 | Staff  | 2.01     | 0.01  | -2.40    | 421.16       | MM      |
| 07-29-91 | 1558 | Staff  | 1.68     | 0.01  | -2.07    | 420.83       | PM      |
| 08-12-91 | 1245 | Staff  | 2.71     | 0.01  | -3.10    | 421.86       | PM      |
| 08-20-91 | 1200 | Staff  | 1.50     | 0.01  | -1.89    | 420.65       | MM      |
| 08-26-91 | 1133 | Staff  | 1.58     | 0.01  | -1.97    | 420.73       | PM      |
| 09-10-91 | 0842 | Staff  | 0.93     | 0.01  | -1.32    | 420.08       | MM      |
| 10-01-91 | 0935 | Staff  | NA       | NA    | NA       | NA           | MM, dry |
| 06-12-92 | 1535 | Staff  | 2.06     | 0.01  | -2.05    | 420.81       | MM      |
| 06-19-92 | 1843 | Staff  | 1.87     | 0.01  | -1.86    | 420.62       | PM      |
| 06-30-92 | 0900 | Staff  | 1.84     | 0.01  | -1.83    | 420.59       | PM      |
| 07-21-92 | 1239 | Staff  | 2.32     | 0.01  | -2.31    | 421.07       | MM      |
| 07-23-92 | 1450 | Staff  | 2.42     | 0.01  | -2.41    | 421.17       | PM      |
| 08-13-92 | 1401 | Staff  | 2.66     | 0.01  | -2.65    | 421.41       | MM      |



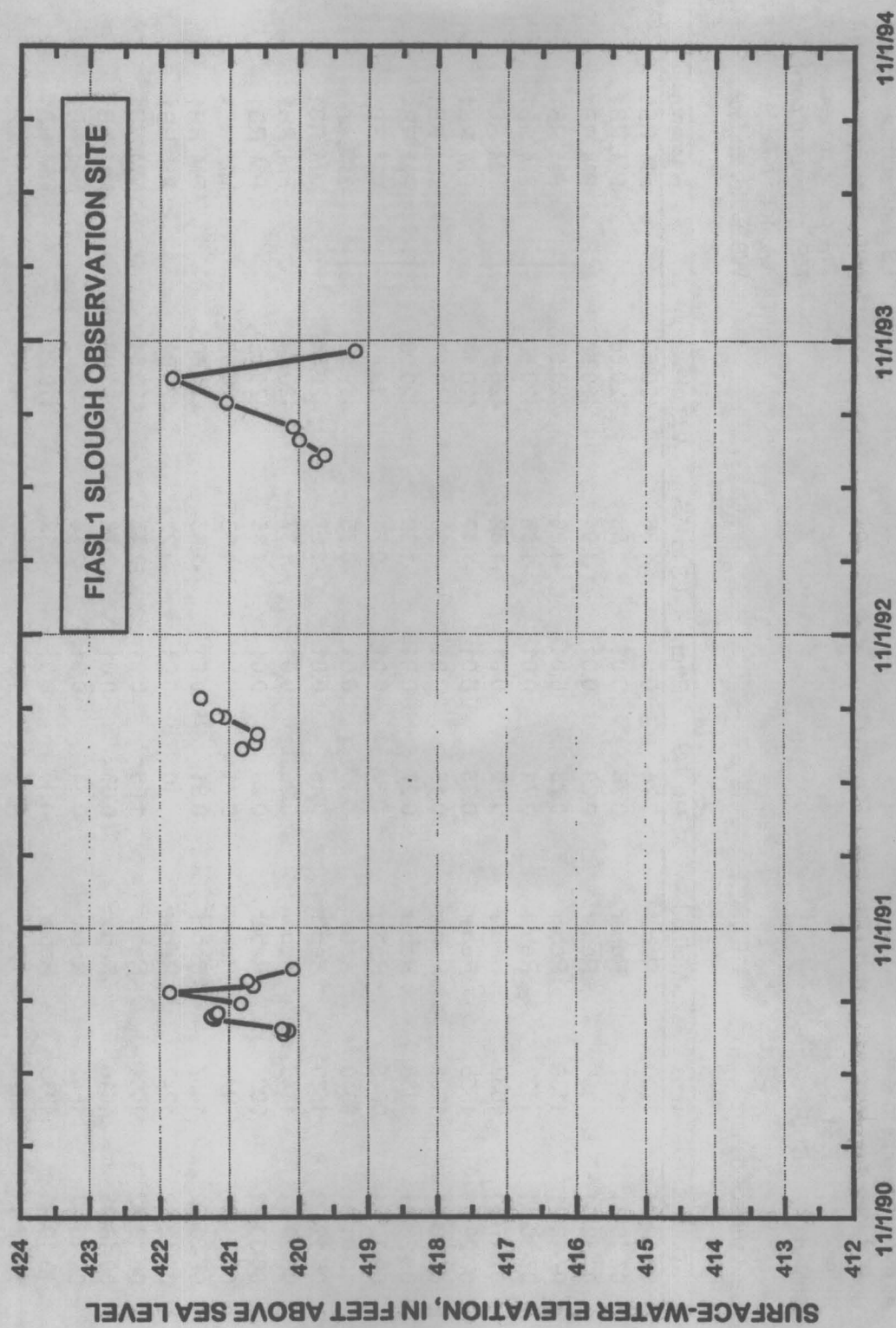
FIASL1 SLOUGH SITE  
Slough site north-west of bioremediation area

(Continued)

Site ID: 644944147494001  
Local Number: FC00100226ADAB1 010

| Date     | Time | Method | MP to WS | Error | LS to WS | WS elevation | Remarks             |
|----------|------|--------|----------|-------|----------|--------------|---------------------|
| 06-03-93 | 1630 | Staff  | 1.00     | 0.01  | -1.00    | 419.76       | PM                  |
| 06-11-93 | 1450 | Staff  | 0.87     | 0.02  | -0.87    | 419.63       | MM, waves           |
| 06-30-93 | 1610 | Staff  | 1.23     | 0.01  | -1.23    | 419.99       | PM                  |
| 07-16-93 | 1236 | Staff  | 1.32     | 0.01  | -1.32    | 420.08       | MM                  |
| 08-16-93 | 1611 | Staff  | 2.28     | 0.01  | -2.28    | 421.04       | MM                  |
| 09-15-93 | 1540 | Staff  | 3.06     | 0.01  | -3.06    | 421.82       | MM                  |
| 10-19-93 | 1330 | Staff  | 0.43     | 0.01  | -0.43    | 419.19       | MM                  |
| 11-17-93 | 1520 | NA     | NA       | NA    | NA       | NA           | MM, frozen          |
| 12-21-93 | 1345 | NA     | NA       | NA    | NA       | NA           | MM, frozen          |
| 01-18-94 | 1441 | NA     | NA       | NA    | NA       | NA           | MM, frozen          |
| 05-16-94 | 1317 | Staff  | NA       | NA    | NA       | NA           | MM, out of water    |
| 06-15-94 | 1346 | Staff  | NA       | NA    | NA       | NA           | MM, out of water    |
| 07-15-94 | 1520 | Staff  | NA       | NA    | NA       | NA           | MM, could not reach |





Site ID: 644807147524501  
Local Number: FC00100226ADAB2 015

FIASL2 SLOUGH SITE  
Slough site south-west of bioremediation area

LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
WS, water surface

All measurements in feet  
Best reading from rebar and culvert at this site

Rebar: RB1  
Culvert: CU5

Land surface datum: 418.67

| Date     | Time | Method | MP to WS | Error | LS to WS | WS elevation | Remarks    |
|----------|------|--------|----------|-------|----------|--------------|------------|
| 07-09-91 | 1700 | Rebar  | 0.74     | 0.01  | -1.86    | 420.53       | PM, RB1    |
| 07-10-91 | 1117 | Rebar  | 0.76     | 0.01  | -1.88    | 420.55       | PM, RB1    |
| 07-12-91 | 1056 | Rebar  | 0.79     | 0.01  | -1.91    | 420.58       | PM, RB1    |
| 07-13-91 | 1139 | Rebar  | 0.78     | 0.01  | -1.90    | 420.57       | PM, RB1    |
| 07-16-91 | 1527 | Rebar  | 0.71     | 0.01  | -1.83    | 420.50       | PM, RB1    |
| 07-17-91 | 1032 | Rebar  | 0.70     | 0.01  | -1.82    | 420.49       | MM, RB1    |
| 07-29-91 | 1555 | Rebar  | 0.35     | 0.01  | -1.47    | 420.14       | PM, RB1    |
| 08-20-91 | 1205 | Rebar  | 0.18     | 0.01  | -1.30    | 419.97       | MM, RB1    |
| 08-26-91 | 1136 | Rebar  | 0.27     | 0.01  | -1.39    | 420.06       | PM, RB1    |
| 09-10-91 | 0845 | Rebar  | -0.38    | 0.01  | -0.74    | 419.41       | MM, RB1    |
| 10-01-91 | 0940 | Rebar  | -0.77    | 0.01  | -0.35    | 419.02       | MM, dry    |
| 06-12-92 | 1530 | Rebar  | 0.45     | 0.01  | -1.57    | 420.24       | MM, RB1    |
| 06-19-92 | 1845 | Rebar  | 0.25     | 0.01  | -1.37    | 420.04       | PM, RB1    |
| 06-30-92 | 0904 | Rebar  | 0.23     | 0.01  | -1.35    | 420.02       | PM, RB1    |
| 07-21-92 | NA   | Rebar  | 0.71     | 0.01  | -1.83    | 420.50       | MM, RB1    |
| 07-23-92 | 1457 | Rebar  | 0.81     | 0.01  | -1.93    | 420.60       | PM, RB1    |
| 08-12-92 | 1247 | Rebar  | 1.10     | 0.01  | -2.22    | 420.89       | PM, RB1    |
| 08-13-92 | 1404 | Rebar  | 1.05     | 0.01  | -2.17    | 420.84       | MM, RB1    |
| 08-16-93 | 1616 | Rebar  | 0.66     | 0.01  | -2.36    | 421.03       | MM, RB1    |
| 09-15-93 | 1542 | Rebar  | 0.44     | 0.01  | -2.14    | 420.81       | MM, RB1    |
| 10-19-93 | 1335 | Rebar  | -1.17    | 0.01  | -0.53    | 419.20       | MM, RB1    |
| 11-17-93 | 1520 | NA     | NA       | NA    | NA       | NA           | MM, frozen |
| 12-21-93 | 1345 | NA     | NA       | NA    | NA       | NA           | MM, frozen |
| 01-18-94 | 1441 | NA     | NA       | NA    | NA       | NA           | MM, frozen |

FIASL2 SLOUGH SITE  
 Slough site south-west of bioremediation area

(Continued)

Site ID: 644807147524501  
 Local Number: FC00100226ADAB2 015

| Date     | Time | Method  | MP to WS | Error | LS to WS | WS elevation | Remarks    |
|----------|------|---------|----------|-------|----------|--------------|------------|
| 02-25-94 | NA   | NA      | NA       | NA    | NA       | NA           | MM, frozen |
| 03-16-94 | NA   | NA      | NA       | NA    | NA       | NA           | MM, frozen |
| 04-18-94 | NA   | NA      | NA       | NA    | NA       | NA           | MM, frozen |
| 05-16-94 | 1318 | Rebar   | -1.49    | 0.01  | -0.21    | 418.88       | MM, RB1    |
| 06-15-94 | 1348 | Rebar   | -2.19    | 0.01  | 0.49     | 418.18       | MM, RB1    |
| 07-15-94 | 1543 | Culvert | 2.11     | 0.01  | -0.65    | 419.32       | MM, CU5    |
| 08-15-94 | 1339 | Culvert | 0.75     | 0.01  | -2.01    | 420.68       | MM, CU5    |
| 09-15-94 | 1444 | Culvert | 0.74     | 0.01  | -2.02    | 420.69       | MM, CU5    |







# FIASL3 SLOUGH SITE

Slough site immediately south of bioremediation area

Site ID: 644800147523301

Local Number: FC00100226ADDA1 009

All measurements in feet  
Best reading from rebar at this site  
Rebars: SLR2

LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
WS, water surface

Land surface datum: 420.09

| Date     | Time | Method | MP to WS | Error | LS to WS | WS elevation | Remarks          |
|----------|------|--------|----------|-------|----------|--------------|------------------|
| 07-09-91 | 1645 | Rebar  | 0.70     | 0.01  | -0.74    | 420.83       | PM               |
| 07-10-91 | 1124 | Rebar  | 0.72     | 0.01  | -0.76    | 420.85       | PM               |
| 07-12-91 | 1108 | Rebar  | 0.75     | 0.01  | -0.79    | 420.88       | PM               |
| 07-13-91 | NA   | Rebar  | 0.74     | 0.01  | -0.78    | 420.87       | PM               |
| 07-17-91 | 1127 | Rebar  | 0.65     | 0.01  | -0.69    | 420.78       | MM               |
| 07-29-91 | 1457 | Rebar  | 0.31     | 0.01  | -0.35    | 420.44       | PM               |
| 08-20-91 | 1213 | Rebar  | 0.14     | 0.01  | -0.18    | 420.27       | MM               |
| 08-26-91 | 1145 | Rebar  | 0.23     | 0.01  | -0.27    | 420.36       | PM               |
| 09-10-91 | 1008 | Rebar  | -0.42    | 0.01  | 0.38     | 419.71       | MM               |
| 10-01-91 | 0946 | NA     | NA       | NA    | NA       | NA           | MM, dry          |
| 06-12-92 | 1526 | Rebar  | 0.67     | 0.01  | -0.71    | 420.80       | MM               |
| 07-21-92 | 1251 | Rebar  | 0.93     | 0.01  | -0.97    | 421.06       | MM               |
| 07-23-92 | 1500 | Rebar  | 1.03     | 0.01  | -1.07    | 421.16       | PM               |
| 08-12-92 | 1304 | Rebar  | 1.32     | 0.01  | -1.36    | 421.45       | PM               |
| 08-13-92 | 1411 | Rebar  | 1.27     | 0.01  | -1.31    | 421.40       | MM               |
| 04-14-93 | NA   | NA     | NA       | NA    | NA       | NA           | Frozen           |
| 07-16-93 | 1220 | Rebar  | -0.02    | 0.01  | 0.02     | 420.07       | MM               |
| 08-16-93 | 1552 | Rebar  | 0.94     | 0.01  | -0.94    | 421.03       | MM               |
| 09-15-93 | 1508 | Rebar  | 0.72     | 0.01  | -0.72    | 420.81       | MM               |
| 10-19-93 | 1307 | NA     | NA       | NA    | NA       | NA           | MM, out of water |
| 11-17-93 | 1443 | NA     | NA       | NA    | NA       | NA           | MM, frozen       |
| 12-21-93 | 1326 | NA     | NA       | NA    | NA       | NA           | MM, frozen       |
| 01-18-94 | 1417 | NA     | NA       | NA    | NA       | NA           | MM, frozen       |
| 02-25-94 | NA   | NA     | NA       | NA    | NA       | NA           | MM, frozen       |

## FIASL3 SLOUGH SITE

Slough site immediately south of of bioremediation area

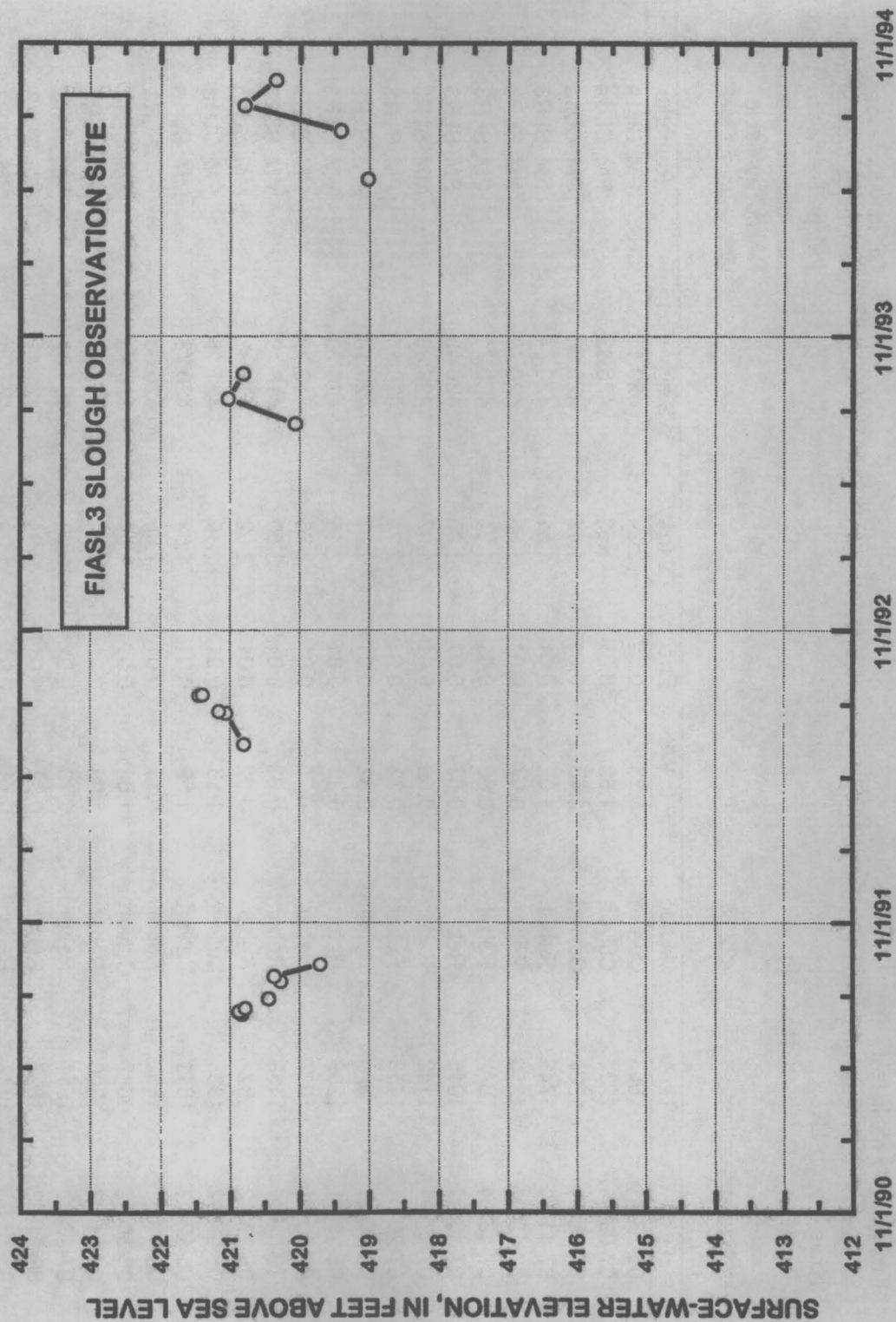
(Continued)

 Site ID: 644800147523301  
 Local Number: FC00100226/ADDA1 009

| Date     | Time | Method | MP to WS | Error | LS to WS | WS elevation | Remarks          |
|----------|------|--------|----------|-------|----------|--------------|------------------|
| 03-16-94 | NA   | NA     | NA       | NA    | NA       | NA           | MM, frozen       |
| 04-18-94 | NA   | NA     | NA       | NA    | NA       | NA           | MM, frozen       |
| 05-16-94 | NA   | Rebar  | -1.07    | 0.01  | 1.07     | 419.02       | MM               |
| 06-15-94 | 1315 | Rebar  | NA       | NA    | NA       | NA           | MM, out of water |
| 07-15-94 | 1455 | Rebar  | -0.68    | 0.01  | 0.68     | 419.41       | MM               |
| 08-15-94 | 1320 | Rebar  | 0.70     | 0.01  | -0.70    | 420.79       | MM               |
| 09-15-94 | 1417 | Rebar  | 0.25     | 0.01  | -0.25    | 420.34       | MM               |







# FIASL4 SLOUGH SITE

Slough site immediately across road east of bioremediation area

Site ID: 644757147522701  
Local Number: FC00100225BCCCC1 007

All measurements in feet

Best reading from rebar and culverts at this site

Rebars: SLR3

Culverts: CU1a, CU1b, CU1c

LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
WS, water surface

Land surface datum: 422.35

| Date     | Time | Method  | MP to WS | Error | LS to WS | WS elevation | Remarks    |
|----------|------|---------|----------|-------|----------|--------------|------------|
| 06-27-91 | 1058 | Culvert | 2.23     | 0.01  | 2.24     | 420.11       | PM, CU1a   |
| 07-09-91 | 1231 | Culvert | 1.52     | 0.01  | 1.53     | 420.82       | PM, CU1a   |
| 07-10-91 | 1225 | Culvert | 1.48     | 0.01  | 1.49     | 420.86       | PM, CU1a   |
| 07-11-91 | 1748 | Rebar   | 1.02     | 0.01  | 1.51     | 420.84       | PM, SLR3   |
| 07-12-91 | 1350 | Rebar   | 0.97     | 0.01  | 1.56     | 420.79       | PM, SLR3   |
| 07-13-91 | NA   | Rebar   | 0.89     | 0.01  | 1.64     | 420.71       | PM, SLR3   |
| 07-16-91 | 1615 | Rebar   | 0.63     | 0.01  | 1.90     | 420.45       | PM, SLR3   |
| 07-17-91 | 1142 | Rebar   | 0.56     | 0.01  | 1.97     | 420.38       | MM, SLR3   |
| 07-29-91 | 1453 | Rebar   | 0.32     | 0.01  | 2.21     | 420.14       | PM, SLR3   |
| 08-20-91 | NA   | Rebar   | 0.32     | 0.01  | 2.21     | 420.14       | MM, SLR3   |
| 08-26-91 | 1206 | Rebar   | 0.38     | 0.01  | 2.15     | 420.20       | MM, SLR3   |
| 09-10-91 | 1017 | Rebar   | -0.73    | 0.01  | 3.26     | 419.09       | MM, SLR3   |
| 10-01-91 | 1138 | Rebar   | -1.33    | 0.01  | 3.86     | 418.49       | MM, SLR3   |
| 05-27-92 | 0822 | Rebar   | -1.22    | 0.01  | 3.02     | 419.33       | MM, SLR3   |
| 06-08-92 | 1935 | Culvert | 1.16     | 0.01  | 1.19     | 421.16       | PM, CU1a   |
| 06-12-92 | 1511 | Culvert | 1.59     | 0.01  | 1.62     | 420.73       | MM, CU1a   |
| 06-19-92 | 1852 | Rebar   | 0.11     | 0.01  | 1.69     | 420.66       | PM, SLR3   |
| 06-30-92 | 0847 | Culvert | 1.54     | 0.01  | 1.57     | 420.78       | PM, CU1a   |
| 07-21-92 | 1300 | Rebar   | 1.00     | 0.01  | 0.80     | 421.55       | MM, SLR3   |
| 07-23-92 | 1511 | Rebar   | 1.13     | 0.01  | 0.67     | 421.68       | PM, SLR3   |
| 08-11-92 | 1652 | Rebar   | 0.86     | 0.01  | 0.94     | 421.41       | PM, SLR3   |
| 08-13-92 | 1647 | Rebar   | 0.71     | 0.01  | 1.09     | 421.26       | MM, SLR3   |
| 04-14-93 | NA   | NA      | NA       | NA    | NA       | NA           | MM, frozen |
| 06-03-93 | 1207 | Culvert | 2.51     | 0.01  | 2.51     | 419.84       | PM, CU1c   |

## FIASL4 SLOUGH SITE

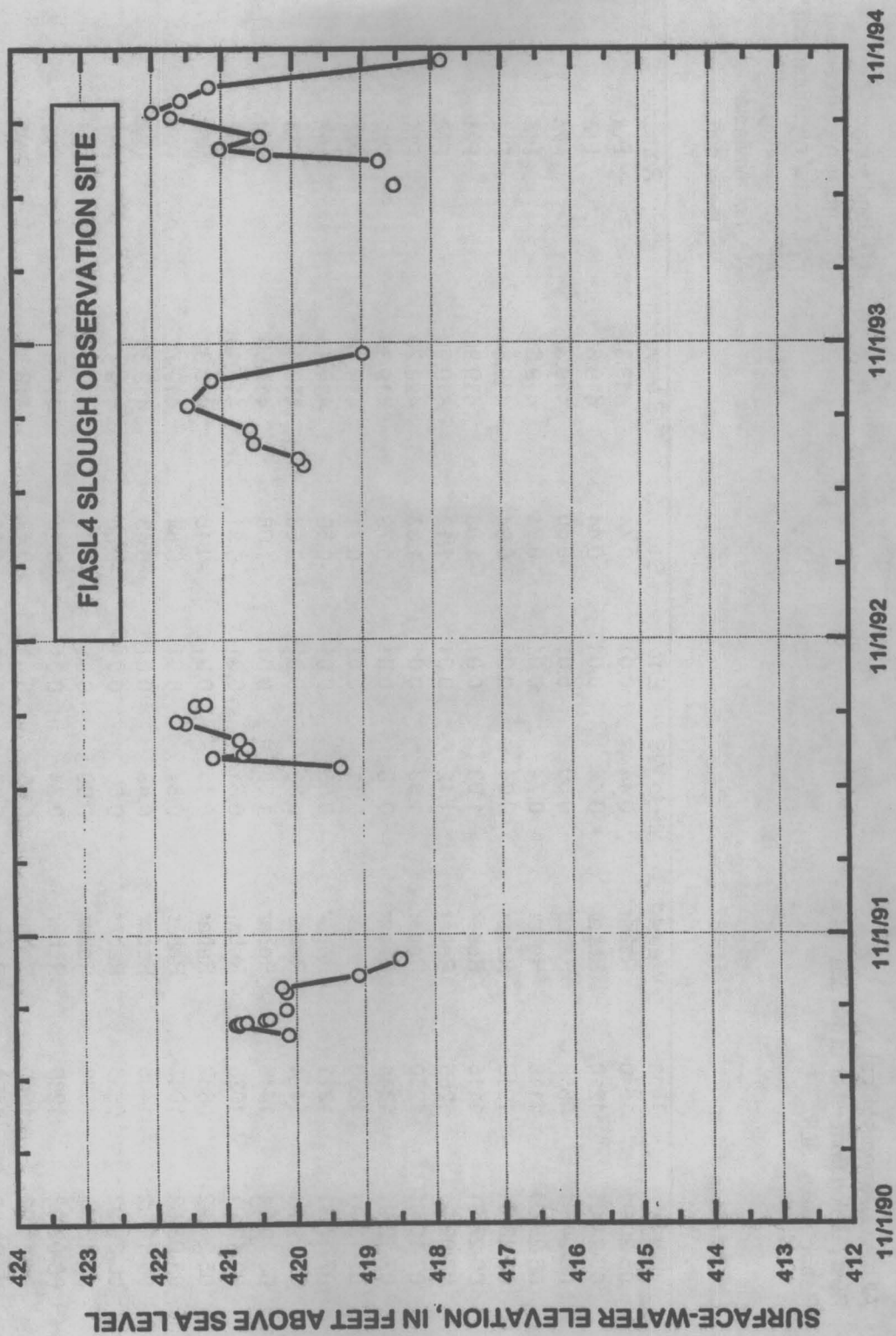
Slough site immediately across road east of bioremediation area

(Continued)

Site ID: 644757147522701  
Local Number: FC00100225BCCCC1 007

| Date     | Time | Method  | MP to WS | Error | LS to WS | WS elevation | Remarks    |
|----------|------|---------|----------|-------|----------|--------------|------------|
| 06-11-93 | 1510 | Culvert | 0.49     | 0.01  | 2.43     | 419.92       | MM, CU1a   |
| 06-30-93 | 1700 | Culvert | 1.80     | 0.01  | 1.80     | 420.55       | PM, CU1c   |
| 07-16-93 | 1201 | Culvert | -0.19    | 0.01  | 1.75     | 420.60       | MM, CU1a   |
| 08-16-93 | 1542 | Culvert | 0.85     | 0.01  | 0.85     | 421.50       | MM, CU1a   |
| 09-16-93 | 1502 | Culvert | 1.20     | 0.01  | 1.20     | 421.15       | MM, CU1a   |
| 10-19-93 | 1258 | Culvert | 3.02     | 0.01  | 3.37     | 418.98       | MM, CU1b   |
| 11-16-93 | 1420 | NA      | NA       | NA    | NA       | NA           | MM, frozen |
| 12-21-93 | 1325 | NA      | NA       | NA    | NA       | NA           | MM, frozen |
| 01-18-94 | 1416 | NA      | NA       | NA    | NA       | NA           | MM, frozen |
| 02-25-94 | NA   | NA      | NA       | NA    | NA       | NA           | MM, frozen |
| 03-16-94 | NA   | NA      | NA       | NA    | NA       | NA           | MM, frozen |
| 04-18-94 | NA   | NA      | NA       | NA    | NA       | NA           | MM, frozen |
| 05-16-94 | NA   | Culvert | 1.88     | 0.01  | 3.82     | 418.53       | MM, CU1c   |
| 06-15-94 | 1308 | Culvert | 1.66     | 0.01  | 3.60     | 418.75       | MM, CU1c   |
| 06-23-94 | 0954 | Culvert | 0.02     | 0.01  | 1.96     | 420.39       | PM, CU1c   |
| 06-30-94 | 1618 | Culvert | 0.98     | 0.01  | 1.33     | 421.02       | PM, CU1b   |
| 07-15-94 | 1446 | Culvert | 1.55     | 0.01  | 1.90     | 420.45       | MM, CU1b   |
| 08-08-94 | 1051 | Culvert | 0.63     | 0.01  | 0.63     | 421.72       | PM, CU1a   |
| 08-15-94 | 1315 | Culvert | 0.36     | 0.01  | 0.36     | 421.99       | MM, CU1a   |
| 08-29-94 | 1644 | Culvert | 0.42     | 0.01  | 0.77     | 421.58       | PM, CU1a   |
| 09-15-94 | 1407 | Culvert | 0.83     | 0.01  | 1.18     | 421.17       | MM, CU1c   |
| 10-17-94 | 1253 | Rebar   | -1.09    | 0.01  | 4.49     | 417.86       | MM, SLR3   |







FIASL5 SLOUGH SITE  
Site in the old channel of the Tanana River

Site ID: 644752147522101  
Local Number: FC00100225CBBBD1

All measurements in feet  
Best reading from rebar at this site  
Rebar: SLR4

LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
WS, water surface

Land surface datum: 418.87

| Date     | Time | Method | MP to WS | Error | LS to WS | WS elevation | Remarks    |
|----------|------|--------|----------|-------|----------|--------------|------------|
| 06-20-91 | 1540 | Rebar  | 0.44     | 0.01  | -0.44    | 419.31       | PM         |
| 06-21-91 | 1210 | Rebar  | 0.44     | 0.01  | -0.44    | 419.31       | PM         |
| 06-24-91 | 0859 | Rebar  | 0.50     | 0.01  | -0.50    | 419.37       | MM         |
| 06-25-91 | 1118 | Rebar  | 0.74     | 0.01  | -0.74    | 419.61       | PM         |
| 06-26-91 | 1919 | Rebar  | 0.94     | 0.01  | -0.94    | 419.81       | PM         |
| 06-27-91 | 1115 | Rebar  | 1.03     | 0.01  | -1.03    | 419.90       | PM         |
| 07-09-91 | 1255 | Rebar  | 1.12     | 0.01  | -1.12    | 419.99       | PM         |
| 07-10-91 | 1250 | Rebar  | 1.33     | 0.01  | -1.33    | 420.20       | PM         |
| 07-12-91 | 1344 | Rebar  | 0.78     | 0.01  | -0.78    | 419.65       | PM         |
| 07-13-91 | 1250 | Rebar  | 0.71     | 0.01  | -0.71    | 419.58       | PM         |
| 07-17-91 | 1211 | Rebar  | 0.56     | 0.01  | -0.56    | 419.43       | MM         |
| 07-29-91 | 1424 | Rebar  | 0.58     | 0.01  | -0.58    | 419.45       | PM         |
| 08-20-91 | 1448 | Rebar  | 1.08     | 0.01  | -1.08    | 419.95       | MM         |
| 09-10-91 | 1025 | Rebar  | 0.31     | 0.01  | -0.31    | 419.18       | MM         |
| 05-27-92 | 0839 | Rebar  | 0.45     | 0.01  | -0.45    | 419.32       | MM         |
| 06-08-92 | 1947 | Rebar  | 0.84     | 0.01  | -0.84    | 419.71       | PM         |
| 06-12-92 | 1405 | Rebar  | 0.43     | 0.01  | -0.43    | 419.30       | MM         |
| 06-30-92 | 0836 | Rebar  | 0.60     | 0.01  | -0.60    | 419.47       | PM         |
| 08-13-92 | 1658 | Rebar  | 0.90     | 0.01  | -0.90    | 419.77       | MM         |
| 06-03-93 | 1235 | Rebar  | 0.34     | 0.01  | -0.34    | 419.21       | PM         |
| 06-11-93 | 1540 | Rebar  | 0.48     | 0.01  | -0.48    | 419.35       | MM         |
| 07-01-93 | 1158 | Rebar  | 0.65     | 0.02  | -0.65    | 419.52       | PM, choppy |
| 07-09-93 | 1547 | Rebar  | 0.59     | 0.01  | -0.59    | 419.46       | PM         |
| 07-16-93 | 1334 | Rebar  | 1.73     | 0.01  | -1.73    | 420.60       | MM         |

FIASL5 SLOUGH SITE  
Site in the old channel of the Tanana River

(Continued)

Site ID: 644752147522101  
Local Number: FC00100225CBBD1

| Date     | Time | Method | MP to WS | Error | LS to WS | WS elevation | Remarks    |
|----------|------|--------|----------|-------|----------|--------------|------------|
| 08-16-93 | 1539 | Rebar  | 2.52     | 0.01  | -2.52    | 421.39       | MM         |
| 09-15-93 | 1456 | Rebar  | 2.41     | 0.01  | -2.41    | 421.28       | MM         |
| 10-19-93 | 1253 | Rebar  | 0.21     | 0.01  | -0.21    | 419.08       | MM         |
| 11-16-93 | 1416 | Rebar  | NA       | NA    | NA       | NA           | MM, frozen |
| 12-21-93 | 1305 | Rebar  | NA       | NA    | NA       | NA           | MM, frozen |
| 01-18-94 | 1347 | Rebar  | NA       | NA    | NA       | NA           | MM, frozen |
| 02-25-94 | NA   | Rebar  | NA       | NA    | NA       | NA           | MM, frozen |
| 03-16-94 | NA   | Rebar  | NA       | NA    | NA       | NA           | MM, frozen |
| 04-18-94 | NA   | Rebar  | NA       | NA    | NA       | NA           | MM, frozen |
| 05-16-94 | 1211 | Rebar  | -0.15    | 0.01  | 0.15     | 418.72       | MM         |
| 06-15-94 | 1303 | Rebar  | 0.29     | 0.01  | -0.29    | 419.16       | MM         |
| 07-15-94 | 1441 | Rebar  | 1.29     | 0.01  | -1.29    | 420.16       | MM         |





# FIASL6 SLOUGH SITE

Site on the west side of old Tanana River channel

Site ID: 644750148523701

Local Number: FC00100225BCDC3 020

All measurements in feet

Best reading from culvert at this site

Culvert: CU4

LS, land surface

MM, mass measurement

PM, partial measurement

MP, measuring point

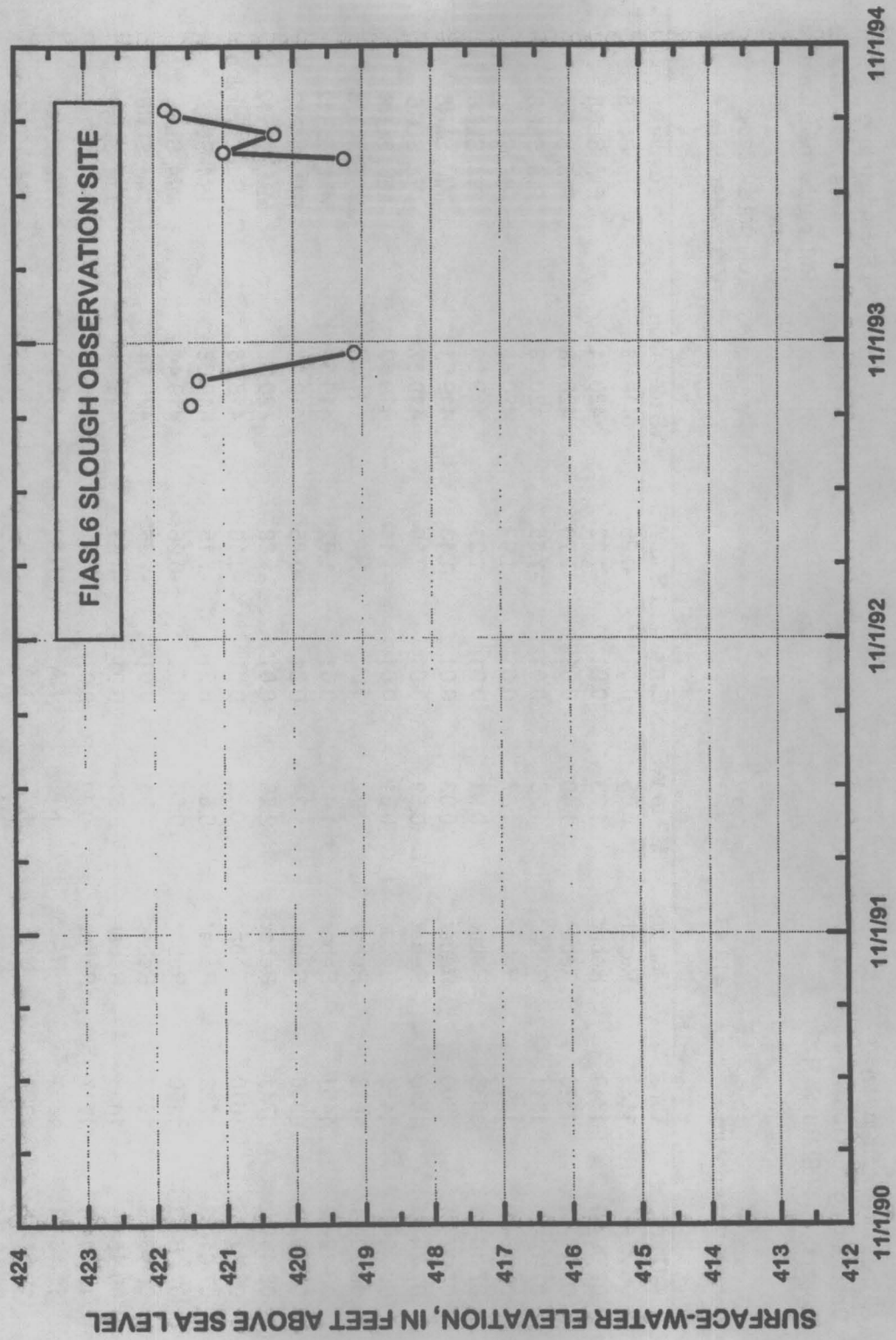
NA, not available

WS, water surface

Land surface datum: 422.67

| Date     | Time | Method  | MP to WS | Error | LS to WS | WS elevation | Remarks          |
|----------|------|---------|----------|-------|----------|--------------|------------------|
| 08-16-93 | 1534 | Culvert | 1.21     | 0.01  | 1.21     | 421.46       | MM               |
| 09-15-93 | 1452 | Culvert | 1.32     | 0.01  | 1.32     | 421.35       | MM               |
| 10-19-93 | 1248 | Culvert | 3.56     | 0.01  | 3.56     | 419.11       | MM               |
| 11-16-93 | 1412 | Culvert | NA       | NA    | NA       | NA           | MM, frozen       |
| 12-21-93 | 1313 | Culvert | NA       | NA    | NA       | NA           | MM, frozen       |
| 01-18-94 | 1403 | Culvert | NA       | NA    | NA       | NA           | MM, frozen       |
| 02-25-94 | NA   | NA      | NA       | NA    | NA       | NA           | MM, frozen       |
| 03-16-94 | NA   | NA      | NA       | NA    | NA       | NA           | MM, frozen       |
| 04-18-94 | 1523 | Culvert | NA       | NA    | NA       | NA           | MM, frozen       |
| 05-16-94 | NA   | Culvert | NA       | NA    | NA       | NA           | MM, frozen       |
| 06-15-94 | 1259 | Culvert | 3.41     | 0.01  | 3.41     | 419.26       | MM, out of water |
| 06-23-94 | 0949 | Culvert | 1.68     | 0.01  | 1.68     | 420.99       | MM               |
| 07-15-94 | 1439 | Culvert | 2.41     | 0.01  | 2.41     | 420.26       | MM               |
| 08-08-94 | 1049 | Culvert | 0.97     | 0.01  | 0.97     | 421.70       | PM               |
| 08-15-94 | 1305 | Culvert | 0.84     | 0.01  | 0.84     | 421.83       | MM               |





FIASL7 SLOUGH SITE

Slough site immediately across road north of flight shed

Site ID: 644758147532701  
Local Number: FC00100226ACCC1 016

All measurements in feet

Best reading from rebar at this site

Rebars: SLR8, SLR12

LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
WS, water surface

Land surface datum: 418.48

| Date     | Time | Method | MP to WS | Error | LS to WS | WS elevation | Remarks           |
|----------|------|--------|----------|-------|----------|--------------|-------------------|
| 06-27-91 | 1139 | Rebar  | 0.65     | 0.01  | -0.95    | 419.43       | PM, SLR8          |
| 07-09-91 | 1340 | Rebar  | 1.33     | 0.01  | -1.63    | 420.11       | PM, SLR8          |
| 07-10-91 | 1326 | Rebar  | 1.40     | 0.01  | -1.70    | 420.18       | PM, SLR8          |
| 07-12-91 | 1311 | Rebar  | 1.25     | 0.01  | -1.55    | 420.03       | PM, SLR8          |
| 07-13-91 | 1330 | Rebar  | 1.67     | 0.01  | -1.97    | 420.45       | PM, SLR8          |
| 07-16-91 | 1638 | Rebar  | 0.91     | 0.01  | -1.21    | 419.69       | PM, SLR8          |
| 07-17-91 | 1300 | Rebar  | 0.83     | 0.01  | -1.13    | 419.61       | MM, SLR8          |
| 07-29-91 | 1410 | Rebar  | 0.59     | 0.01  | -0.89    | 419.37       | PM, SLR8          |
| 08-20-91 | 1422 | Rebar  | 0.81     | 0.01  | -1.11    | 419.59       | MM, SLR8          |
| 09-10-91 | 1038 | Rebar  | NA       | NA    | NA       | NA           | MM, SLR8, dry     |
| 06-12-92 | 1451 | Rebar  | 1.41     | 0.01  | -1.02    | 419.50       | MM, SLR12         |
| 06-30-92 | 0830 | Rebar  | 1.24     | 0.01  | -0.85    | 419.33       | PM, SLR12         |
| 08-13-92 | 1741 | Rebar  | 2.28     | 0.01  | -1.89    | 420.37       | MM, SLR12         |
| 06-11-93 | 1610 | Rebar  | -0.12    | 0.01  | -0.18    | 418.66       | MM, SLR8, raining |
| 07-01-93 | 1230 | Rebar  | 0.85     | 0.01  | -1.15    | 419.63       | PM, SLR8          |
| 07-16-93 | 1150 | Rebar  | 0.66     | 0.01  | -0.96    | 419.44       | MM, SLR8          |
| 08-16-93 | 1522 | Rebar  | 1.36     | 0.01  | -1.66    | 420.14       | MM, SLR8          |
| 09-15-93 | 1436 | Rebar  | 0.63     | 0.01  | -0.93    | 419.41       | MM, SLR8          |
| 10-19-93 | 1217 | Rebar  | -0.41    | 0.01  | 0.80     | 417.68       | MM, SLR12         |
| 11-16-93 | 1351 | NA     | NA       | NA    | NA       | NA           | MM, frozen        |
| 12-21-93 | 1300 | NA     | NA       | NA    | NA       | NA           | MM, frozen        |
| 01-18-94 | 1351 | NA     | NA       | NA    | NA       | NA           | MM, frozen        |
| 02-25-94 | NA   | NA     | NA       | NA    | NA       | NA           | MM, frozen        |
| 03-16-94 | NA   | NA     | NA       | NA    | NA       | NA           | MM, frozen        |

FIASL7 SLOUGH SITE

(Continued)

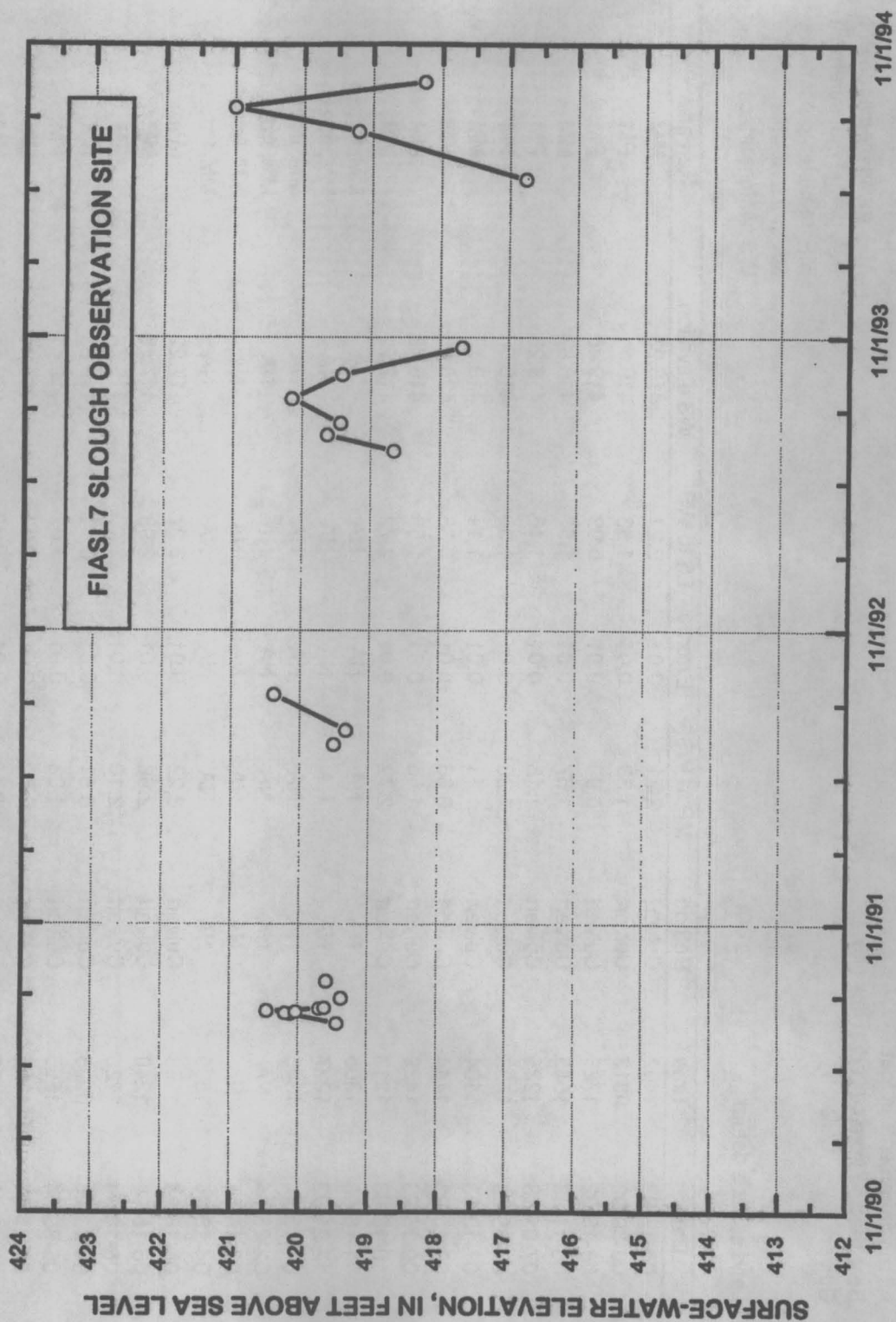
Site ID: 644758147532701

Slough site immediately across road north of flight shed

Local Number: FC00100226ACCC1 016

| Date     | Time | Method | MP to WS | Error | LS to WS | WS elevation | Remarks    |
|----------|------|--------|----------|-------|----------|--------------|------------|
| 04-18-94 | 1511 | NA     | NA       | NA    | NA       | NA           | MM, frozen |
| 05-16-94 | 1203 | Rebar  | -1.33    | 0.01  | 1.72     | 416.76       | MM, SLR12  |
| 07-15-94 | 1426 | Rebar  | 0.54     | 0.01  | -0.72    | 419.20       | MM, SLR8b  |
| 08-15-94 | 1253 | Rebar  | 2.33     | 0.01  | -2.51    | 420.99       | MM, SLR8b  |
| 09-15-94 | 1333 | Rebar  | -0.41    | 0.01  | 0.23     | 418.25       | MM, SLR8b  |







FIASL8 SLOUGH SITE

Slough site immediately south of flight shed

Site ID: 644749147533301

Local Number: FC00100226CADA1 013

All measurements in feet

Best reading from culvert at this site

Culvert: CU2

LS, land surface

MM, mass measurement

PM, partial measurement

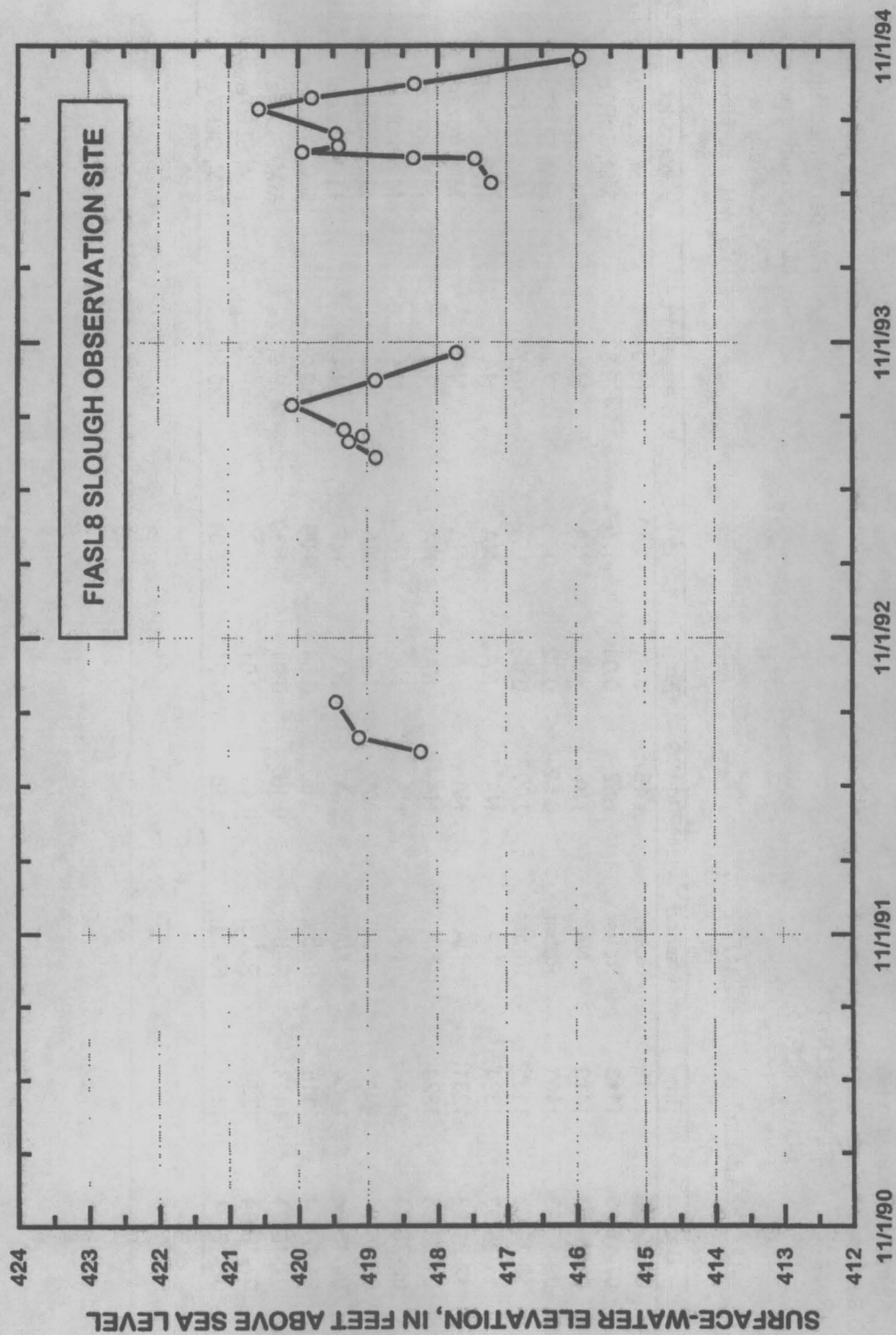
MP, measuring point

NA, not available

WS, water surface

Land surface datum: 420.44

| Date     | Time | Method  | MP to WS | Error | LS to WS | WS elevation | Remarks    |
|----------|------|---------|----------|-------|----------|--------------|------------|
| 06-12-92 | 1442 | Culvert | 2.21     | 0.01  | 2.21     | 418.23       | MM         |
| 06-30-92 | 0812 | Culvert | 1.33     | 0.01  | 1.33     | 419.11       | PM         |
| 08-13-92 | 1728 | Culvert | 0.99     | 0.01  | 0.99     | 419.45       | PM         |
| 06-11-93 | 1545 | Culvert | 1.57     | 0.01  | 1.57     | 418.87       | MM         |
| 07-01-93 | 1235 | Culvert | 1.18     | 0.01  | 1.18     | 419.26       | PM         |
| 07-08-93 | 1433 | Culvert | 1.38     | 0.01  | 1.38     | 419.06       | PM         |
| 07-16-93 | 1104 | Culvert | 1.11     | 0.01  | 1.11     | 419.33       | MM         |
| 08-16-93 | 1444 | Culvert | 0.36     | 0.01  | 0.36     | 420.08       | MM         |
| 09-15-93 | 1429 | Culvert | 1.56     | 0.01  | 1.56     | 418.88       | MM         |
| 10-19-93 | 1213 | Culvert | 2.72     | 0.01  | 2.72     | 417.72       | MM         |
| 11-16-93 | 1305 | NA      | NA       | NA    | NA       | NA           | MM, frozen |
| 12-21-93 | 1227 | NA      | NA       | NA    | NA       | NA           | MM, frozen |
| 01-18-94 | 1343 | NA      | NA       | NA    | NA       | NA           | MM, frozen |
| 02-25-94 | NA   | NA      | NA       | NA    | NA       | NA           | MM, frozen |
| 03-16-94 | NA   | NA      | NA       | NA    | NA       | NA           | MM, frozen |
| 04-18-94 | 1505 | NA      | NA       | NA    | NA       | NA           | MM, frozen |
| 05-16-94 | 1158 | Culvert | 3.22     | 0.01  | 3.22     | 417.22       | MM         |
| 06-15-94 | 1240 | Culvert | 2.98     | 0.01  | 2.98     | 417.46       | MM         |
| 06-16-94 | 1720 | Culvert | 2.10     | 0.01  | 2.10     | 418.34       | PM         |
| 06-23-94 | 0925 | Culvert | 0.51     | 0.01  | 0.51     | 419.93       | PM         |
| 06-30-94 | 1556 | Culvert | 1.03     | 0.01  | 1.03     | 419.41       | PM         |
| 07-15-94 | 1355 | Culvert | 0.99     | 0.01  | 0.99     | 419.45       | MM         |
| 08-15-94 | 1125 | Culvert | -0.12    | 0.01  | -0.12    | 420.56       | MM         |
| 08-29-94 | 1639 | Culvert | 0.64     | 0.01  | 0.64     | 419.80       | PM         |
| 09-15-94 | 1258 | Culvert | 2.11     | 0.01  | 2.11     | 418.33       | MM         |
| 10-17-94 | 1150 | Culvert | 4.48     | 0.01  | 4.48     | 415.96       | MM         |



Site ID: 644742147541501  
Local Number: FC00100226CCAB1 012

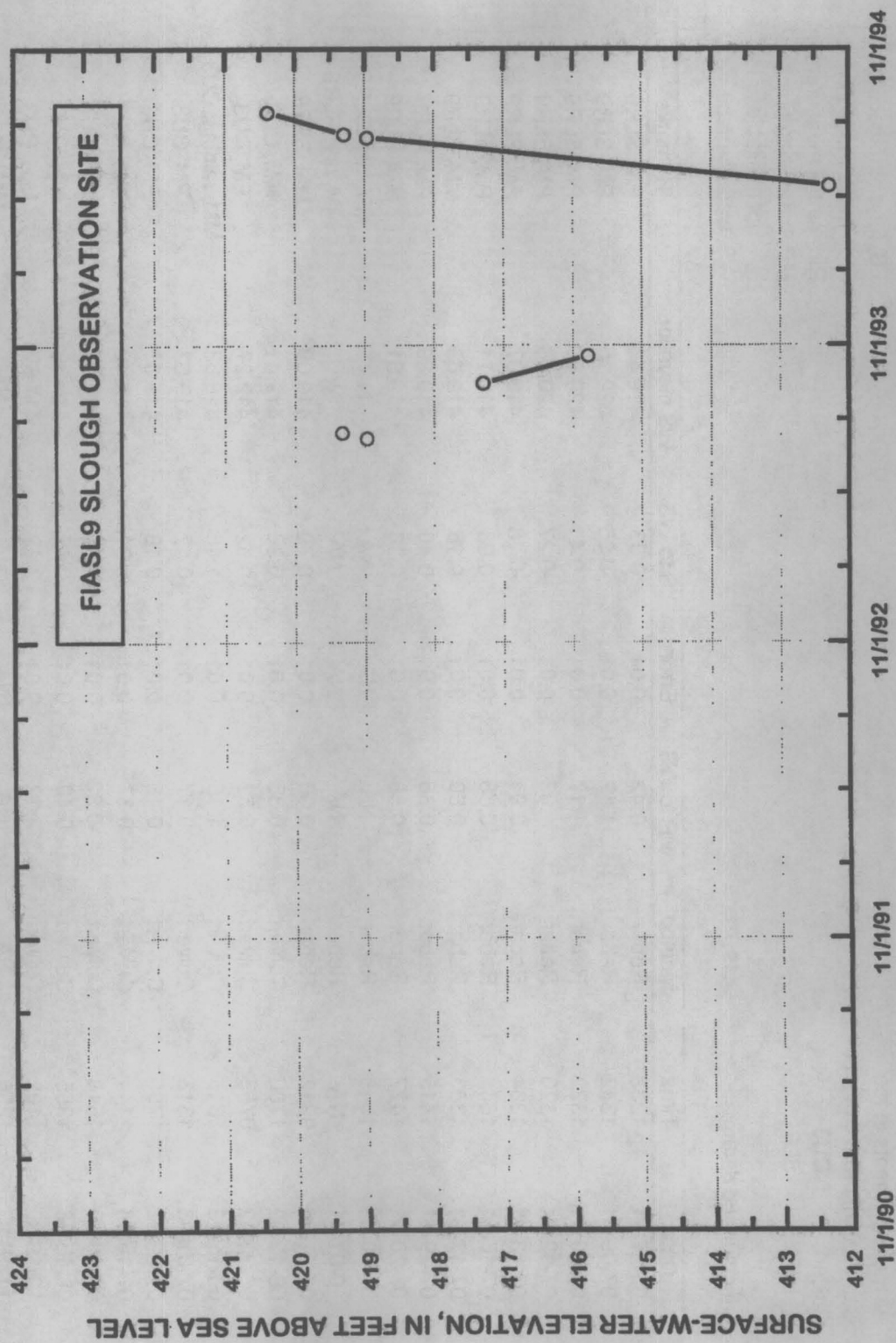
FIASL9 SLOUGH SITE  
Slough site near mouth of Chena

LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
WS, water surface

All measurements in feet  
Best reading from rebars at this site  
Rebars: SLR7b, SLR7c  
SLR7d, SLR7e

Land surface datum: 417.57

| Date     | Time | Method | MP to WS | Error | LS to WS | WS elevation | Remarks         |
|----------|------|--------|----------|-------|----------|--------------|-----------------|
| 07-09-93 | 1245 | Rebar  | 1.16     | 0.01  | -1.40    | 418.97       | PM, SLR7b       |
| 07-16-93 | 1113 | Rebar  | 1.52     | 0.01  | -1.76    | 419.33       | MM, SLR7b       |
| 08-16-93 | 1410 | NA     | NA       | NA    | NA       | NA           | MM, cannot find |
| 09-15-93 | 1406 | Rebar  | -0.52    | 0.02  | 0.28     | 417.29       | MM, SLR7b       |
| 10-19-93 | 1135 | Rebar  | 0.00     | 0.02  | 1.79     | 415.78       | MM, SLR7c       |
| 11-16-93 | 1324 | NA     | NA       | NA    | NA       | NA           | MM, frozen      |
| 12-21-93 | 1231 | NA     | NA       | NA    | NA       | NA           | MM, frozen      |
| 01-18-94 | 1324 | NA     | NA       | NA    | NA       | NA           | MM, frozen      |
| 02-25-94 | NA   | NA     | NA       | NA    | NA       | NA           | MM, frozen      |
| 03-16-94 | NA   | NA     | NA       | NA    | NA       | NA           | MM, frozen      |
| 04-18-94 | 1454 | NA     | NA       | NA    | NA       | NA           | MM, frozen      |
| 05-16-94 | 1115 | Rebar  | -3.50    | 0.04  | 5.29     | 412.28       | MM, SLR7c       |
| 07-15-94 | 1413 | Rebar  | 0.16     | 0.01  | -1.39    | 418.96       | MM, SLR7e       |
| 07-19-94 | 1734 | Rebar  | 0.49     | 0.01  | -1.72    | 419.29       | PM, SLR7e       |
| 08-15-94 | 1230 | Rebar  | 1.58     | 0.01  | -2.81    | 420.38       | MM, SLR7e       |



FIASL10 SLOUGH SITE  
Slough site in slough near United Postal Service

Site ID: 644814147523901  
Local Number: FC00100226ABCB1 017

LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
WS, water surface

All measurements in feet  
Best reading from culvert and rebar at this site  
Culvert: CU3  
Rebar: SLR9

Land surface datum: 419.79

| Date     | Time | Method  | MP to WS | Error | LS to WS | WS elevation | Remarks          |
|----------|------|---------|----------|-------|----------|--------------|------------------|
| 06-27-91 | 1233 | Rebar   | 0.43     | 0.01  | 0.33     | 419.46       | PM, SLR9         |
| 07-09-91 | 1342 | Rebar   | 1.12     | 0.01  | -0.36    | 420.15       | PM, SLR9         |
| 07-10-91 | 1332 | Rebar   | 1.17     | 0.01  | -0.41    | 420.20       | PM, SLR9         |
| 07-12-91 | 1320 | Rebar   | 1.03     | 0.01  | -0.27    | 420.06       | PM, SLR9         |
| 07-13-91 | 1334 | Rebar   | 0.94     | 0.01  | -0.18    | 419.97       | PM, SLR9         |
| 07-16-91 | 1641 | Rebar   | 0.68     | 0.01  | 0.08     | 419.71       | PM, SLR9         |
| 07-17-91 | 1303 | Rebar   | 0.60     | 0.01  | 0.16     | 419.63       | MM, SLR9         |
| 07-29-91 | 1415 | Rebar   | 0.36     | 0.01  | 0.40     | 419.39       | PM, SLR9         |
| 08-20-91 | 1427 | Rebar   | 0.58     | 0.01  | 0.18     | 419.61       | MM, SLR9         |
| 09-10-91 | 1043 | Rebar   | NA       | NA    | NA       | NA           | MM, dry, SLR9    |
| 10-01-91 | NA   | Rebar   | NA       | NA    | NA       | NA           | MM, dry, SLR9    |
| 05-27-92 | 0912 | Rebar   | 0.06     | 0.01  | 0.70     | 419.09       | MM, SLR9         |
| 06-12-92 | 1700 | Culvert | 0.38     | 0.01  | 0.38     | 419.41       | MM, CU3          |
| 06-30-92 | 0755 | Culvert | 0.52     | 0.01  | 0.52     | 419.27       | PM, CU3          |
| 06-11-93 | 1615 | Culvert | 1.16     | 0.01  | 1.16     | 418.63       | MM, raining, CU3 |
| 07-01-93 | 1313 | Culvert | 0.17     | 0.01  | 0.17     | 419.62       | PM, CU3          |
| 07-02-93 | 1700 | Culvert | 0.18     | 0.01  | 0.18     | 419.61       | PM, CU3          |
| 07-16-93 | 1144 | Culvert | 0.37     | 0.01  | 0.37     | 419.42       | MM, CU3          |
| 08-16-93 | 1513 | Culvert | -0.33    | 0.01  | -0.33    | 420.12       | MM, CU3          |
| 09-15-93 | 1355 | Culvert | 0.40     | 0.01  | 0.40     | 419.39       | MM, CU3          |
| 10-19-93 | 1102 | Culvert | 2.12     | 0.01  | 2.12     | 417.67       | MM, CU3          |
| 11-16-93 | 1255 | NA      | NA       | NA    | NA       | NA           | MM, frozen       |
| 12-21-93 | 1224 | NA      | NA       | NA    | NA       | NA           | MM, frozen       |
| 01-18-94 | 1306 | NA      | NA       | NA    | NA       | NA           | MM, frozen       |



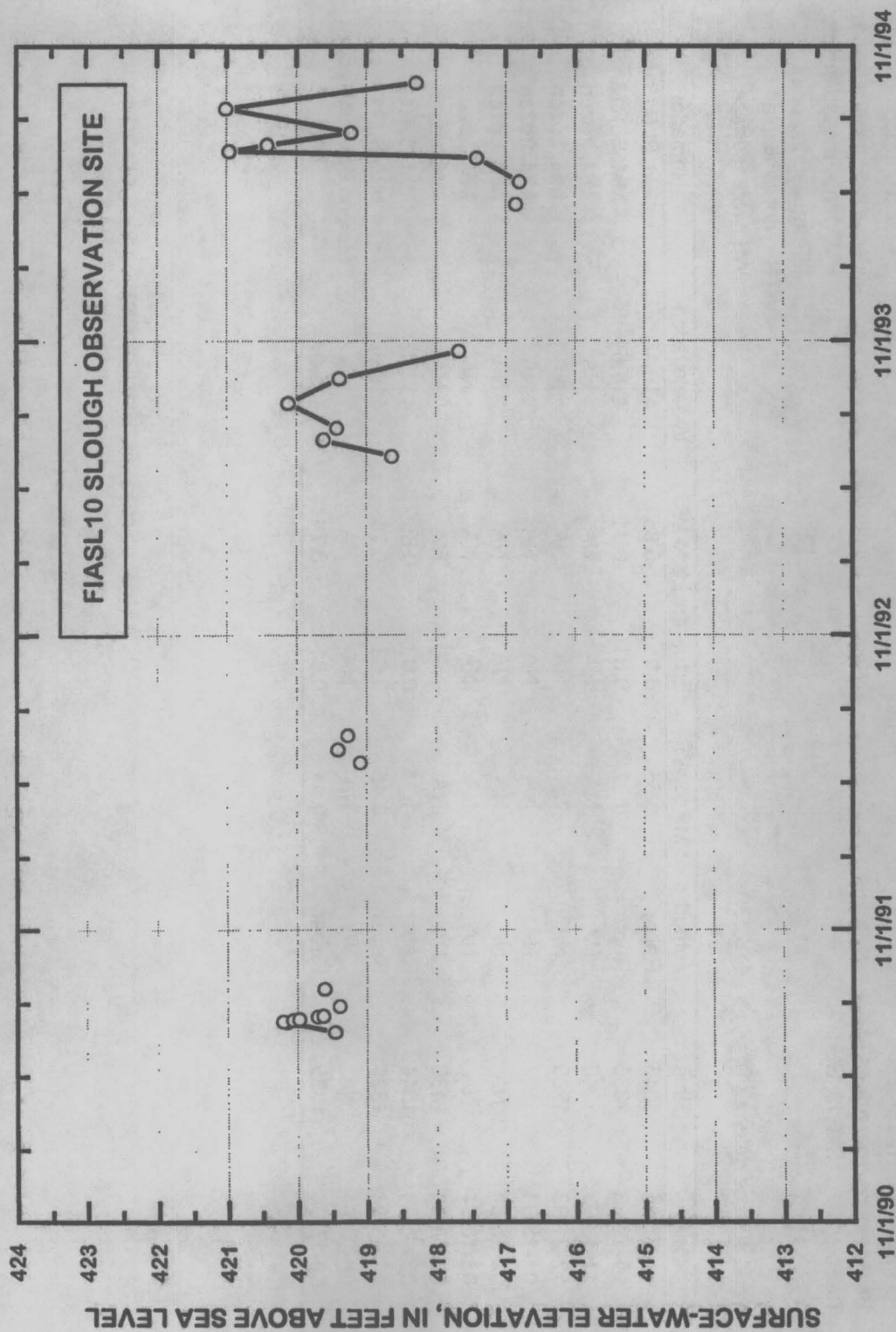
FIASL10 SLOUGH SITE  
 Slough site in slough near United Postal Service

(Continued)

Site ID: 644814147523901  
 Local Number: FC00100226ABCB1 017

| Date     | Time | Method  | MP to WS | Error | LS to WS | WS elevation | Remarks          |
|----------|------|---------|----------|-------|----------|--------------|------------------|
| 02-25-94 | NA   | NA      | NA       | NA    | NA       | NA           | MM, frozen       |
| 03-16-94 | NA   | NA      | NA       | NA    | NA       | NA           | MM, frozen       |
| 04-18-94 | 1440 | Culvert | 2.94     | 0.01  | 2.94     | 416.85       | MM, CU3          |
| 05-16-94 | 1055 | Culvert | 2.99     | 0.01  | 2.99     | 416.80       | MM, CU3          |
| 06-15-94 | 1150 | Culvert | 2.37     | 0.01  | 2.37     | 417.42       | MM, CU3          |
| 06-23-94 | 0916 | Culvert | -1.17    | 0.01  | -1.17    | 420.96       | PM, CU3          |
| 06-30-94 | 1545 | Culvert | -0.62    | 0.01  | -0.62    | 420.41       | PM, CU3          |
| 07-15-94 | 1338 | Culvert | 0.57     | 0.01  | 0.57     | 419.22       | MM, CU3          |
| 07-15-94 | 1338 | Culvert | 0.57     | 0.01  | 0.57     | 419.22       | MM, CU3          |
| 08-15-94 | 1118 | Rebar   | 1.98     | 0.01  | -1.22    | 421.01       | MM, SLR9         |
| 09-15-94 | 1245 | Culvert | 1.51     | 0.01  | 1.51     | 418.28       | MM, CU3          |
| 10-17-94 | 1127 | Culvert | NA       | NA    | NA       | NA           | MM, out of water |





# FIASL11 SLOUGH SITE

Slough site at pond south-west of airport terminal

Site ID: 644915147515001

Local Number: FC00100224BABA1 005

All measurements in feet

Best reading from rebar at this site

Rebars: SLR13, SLR13b

LS, land surface

MM, mass measurement

PM, partial measurement

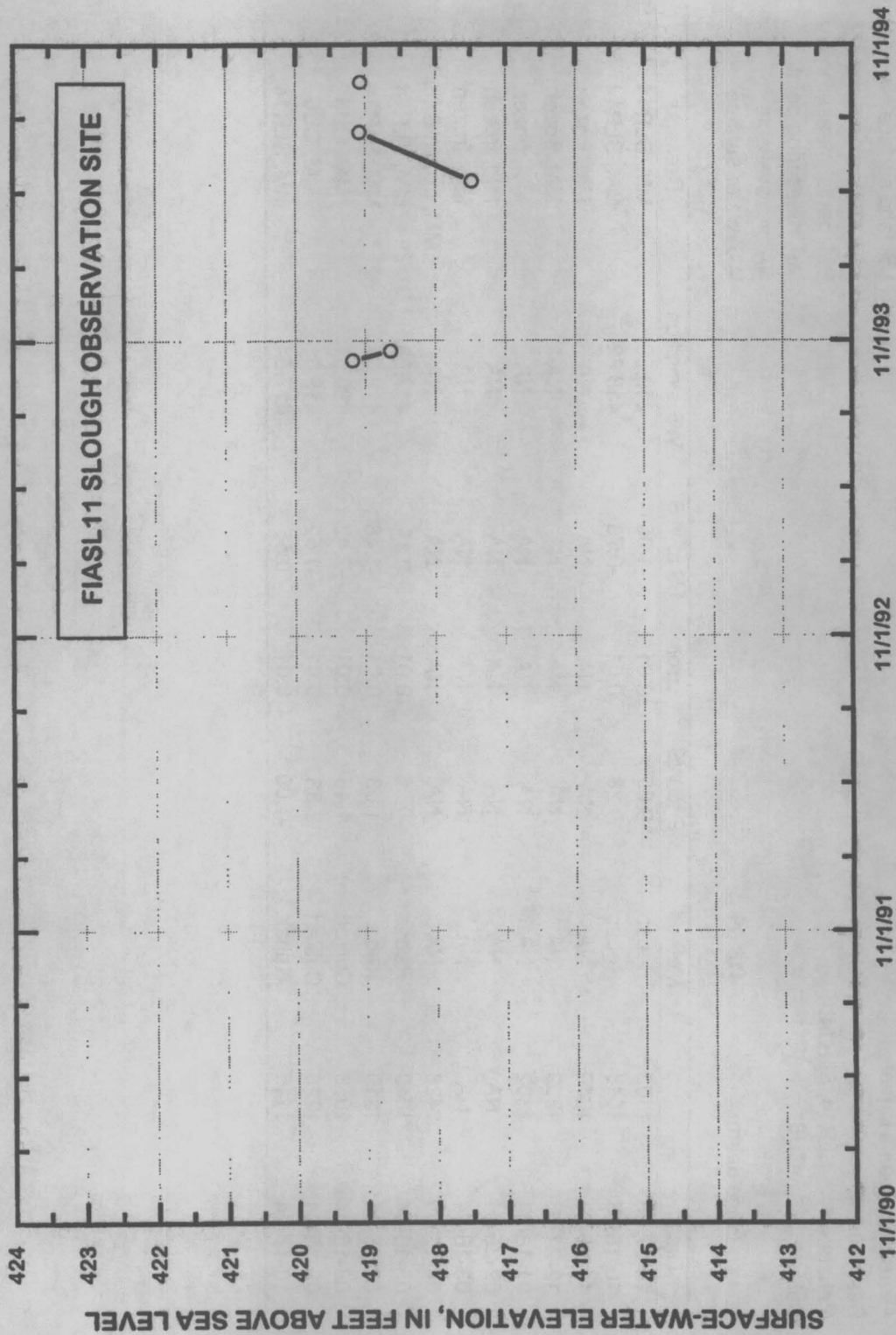
MP, measuring point

NA, not available

WS, water surface

Land surface datum: 418.33

| Date     | Time | Method | MP to WS | Error | LS to WS | WS elevation | Remarks                |
|----------|------|--------|----------|-------|----------|--------------|------------------------|
| 10-07-93 | 1045 | Rebar  | 0.55     | 0.01  | -0.85    | 419.18       | PM, SLR13              |
| 10-19-93 | 1335 | Rebar  | 0.01     | 0.01  | -0.31    | 418.64       | MM, SLR13              |
| 11-16-93 | 1240 | NA     | NA       | NA    | NA       | NA           | MM, frozen             |
| 12-21-93 | 1209 | NA     | NA       | NA    | NA       | NA           | MM, frozen             |
| 01-18-94 | 1302 | NA     | NA       | NA    | NA       | NA           | MM, frozen             |
| 02-25-94 | NA   | NA     | NA       | NA    | NA       | NA           | MM, frozen             |
| 03-16-94 | NA   | NA     | NA       | NA    | NA       | NA           | MM, frozen             |
| 04-18-94 | 1430 | NA     | NA       | NA    | NA       | NA           | MM, frozen             |
| 05-16-94 | 1044 | Rebar  | -1.15    | 0.03  | 0.85     | 417.48       | MM, SLR13              |
| 07-15-94 | 1321 | Rebar  | 0.45     | 0.03  | -0.75    | 419.08       | MM, SLR13              |
| 08-15-94 | NA   | NA     | NA       | NA    | NA       | NA           | MM, no data high water |
| 09-15-94 | 1335 | Rebar  | 0.44     | 0.01  | -0.74    | 419.07       | MM                     |





# FIASL12 SLOUGH SITE

Slough site at pond north-west of airport terminal

Site ID: 644916147514601

Local Number: FC00100213CD1 002

All measurements in feet

Best reading from culvert and rebar at this site

Rebars: SLR14, SLR14b

Culvert: CU6

LS, land surface

MM, mass measurement

PM, partial measurement

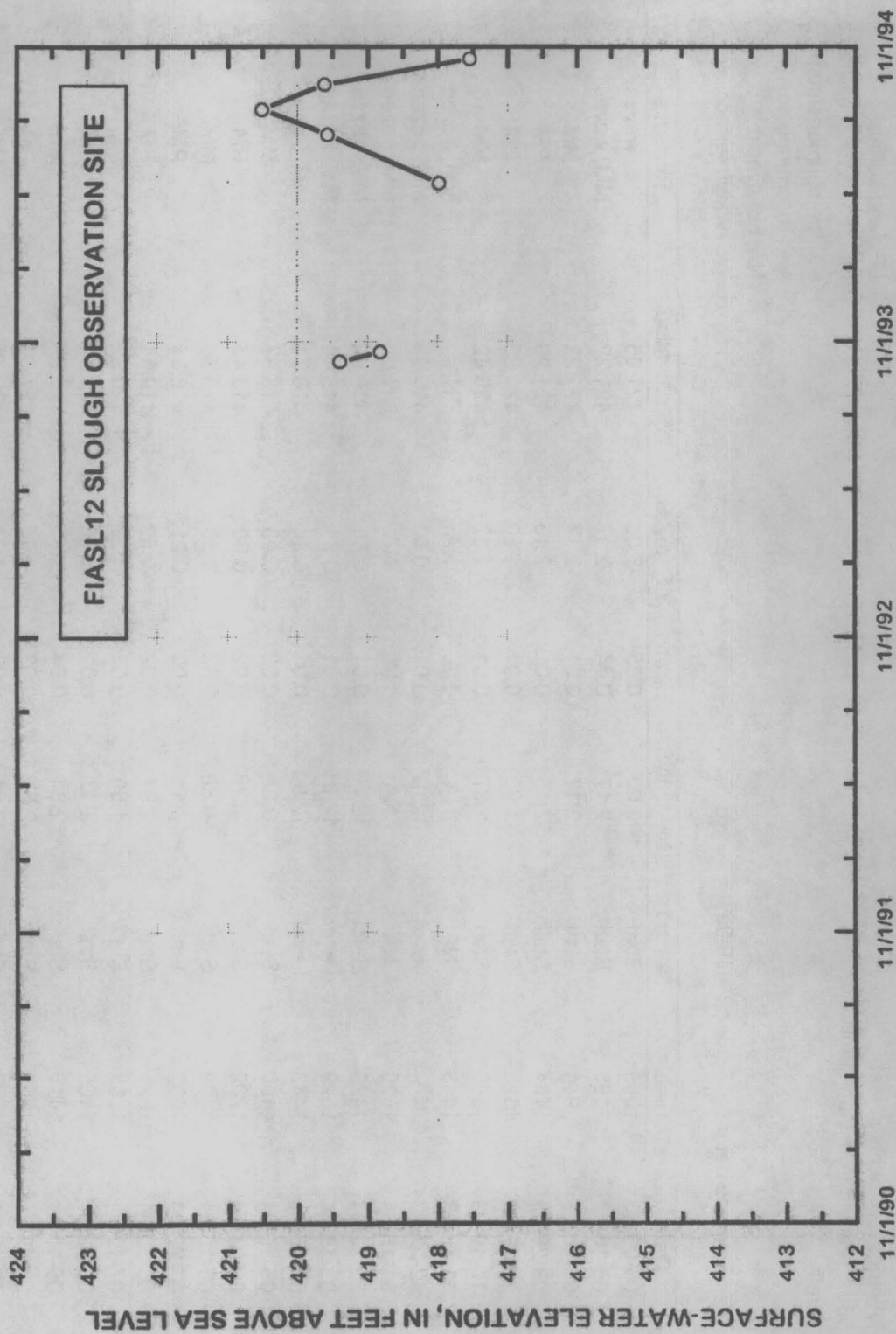
MP, measuring point

NA, not available

WS, water surface

Land surface datum: 418.09

| Date     | Time | Method  | MP to WS | Error | LS to WS | WS elevation | Remarks             |
|----------|------|---------|----------|-------|----------|--------------|---------------------|
| 10-07-93 | 1105 | Rebar   | 0.85     | 0.01  | -1.30    | 419.39       | MM, SLR14           |
| 10-19-93 | 1048 | Rebar   | 0.28     | 0.01  | -0.73    | 418.82       | MM, SLR14           |
| 11-16-93 | 1240 | NA      | NA       | NA    | NA       | NA           | MM, frozen          |
| 12-21-93 | 1209 | NA      | NA       | NA    | NA       | NA           | MM, frozen          |
| 01-18-94 | 1302 | NA      | NA       | NA    | NA       | NA           | MM, frozen          |
| 02-25-94 | NA   | NA      | NA       | NA    | NA       | NA           | MM, frozen          |
| 03-16-94 | NA   | NA      | NA       | NA    | NA       | NA           | MM, frozen          |
| 04-18-94 | 1428 | NA      | NA       | NA    | NA       | NA           | MM, frozen          |
| 05-16-94 | 1040 | Rebar   | -0.56    | 0.01  | 0.11     | 417.98       | MM, frozen & buried |
| 07-15-94 | 1319 | Rebar   | 1.03     | 0.01  | -1.48    | 419.57       | MM, SLR14           |
| 08-15-94 | 1053 | Culvert | 1.48     | 0.01  | -2.42    | 420.51       | MM, CU6             |
| 09-15-94 | 1225 | Culvert | 2.38     | 0.01  | -1.52    | 419.61       | MM, CU6             |
| 10-17-94 | 1115 | Rebar   | -1.00    | 0.01  | 0.55     | 417.54       | MM, SLR14           |



Site ID: 644944147494001  
Local Number: FC00100118BDDDD1 004

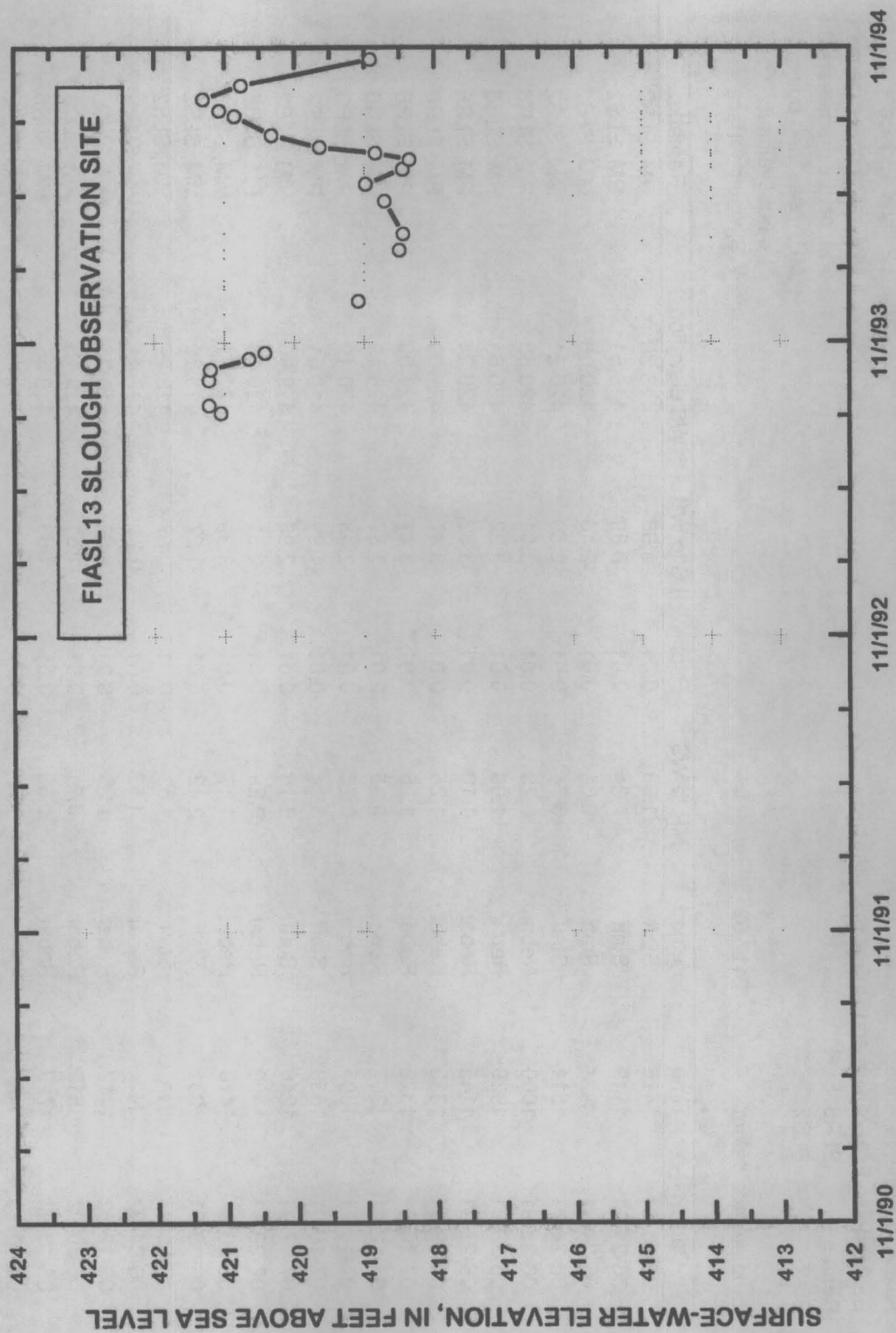
FIASL13 SLOUGH SITE  
Site at the north end of airport float pond

LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
WS, water surface

All measurements in feet  
Best reading from staff at this site  
Staff: SLS3

Land surface datum: 419.05

| Date     | Time | Method | MP to WS | Error | LS to WS | WS elevation | Remarks    |
|----------|------|--------|----------|-------|----------|--------------|------------|
| 08-06-93 | 1005 | Staff  | 2.00     | 0.05  | -2.00    | 421.05       | PM, waves  |
| 08-16-93 | 1158 | Staff  | 2.17     | 0.04  | -2.17    | 421.22       | MM, waves  |
| 09-16-93 | 0944 | Staff  | 2.17     | 0.01  | -2.17    | 421.22       | MM         |
| 09-29-93 | 1454 | Staff  | 2.15     | 0.01  | -2.15    | 421.20       | PM         |
| 10-12-93 | 1525 | Staff  | 1.60     | 0.01  | -1.60    | 420.65       | PM         |
| 10-19-93 | 1356 | Staff  | 1.37     | 0.01  | -1.37    | 420.42       | MM         |
| 11-16-93 | 1443 | NA     | NA       | NA    | NA       | NA           | MM, frozen |
| 12-22-93 | NA   | Level  | 12.17    | 0.01  | -0.03    | 419.08       | MM, frozen |
| 01-18-94 | 1520 | NA     | NA       | NA    | NA       | NA           | MM, frozen |
| 02-23-94 | 1429 | Level  | 12.76    | 0.01  | 0.56     | 418.49       | MM, frozen |
| 03-15-94 | 1529 | Level  | 12.81    | 0.01  | 0.61     | 418.44       | MM, frozen |
| 04-25-94 | 1443 | Level  | 12.54    | 0.01  | 0.34     | 418.71       | MM, frozen |
| 05-16-94 | 1400 | Staff  | 0.24     | 0.02  | 0.08     | 418.97       | MM         |
| 06-03-94 | 1202 | Staff  | -0.28    | 0.02  | 0.60     | 418.45       | PM         |
| 06-15-94 | 1408 | Staff  | -0.38    | 0.03  | 0.70     | 418.35       | MM         |
| 06-23-94 | 1002 | Staff  | 0.11     | 0.02  | 0.21     | 418.84       | PM         |
| 06-30-94 | 1627 | Staff  | 0.91     | 0.02  | -0.59    | 419.64       | PM         |
| 07-15-94 | 1552 | Staff  | 1.59     | 0.02  | -1.27    | 420.32       | MM         |
| 08-08-94 | 1105 | Staff  | 2.12     | 0.01  | -1.80    | 420.85       | PM         |
| 08-15-94 | 1410 | Staff  | 2.34     | 0.04  | -2.02    | 421.07       | MM         |
| 08-29-94 | 1651 | Staff  | 2.57     | 0.03  | -2.25    | 421.30       | PM         |
| 09-15-94 | 1502 | Staff  | 2.03     | 0.03  | -1.71    | 420.76       | MM         |
| 10-17-94 | 1335 | Staff  | 0.18     | 0.03  | 0.14     | 418.91       | MM         |
| 11-15-94 | 1124 | Staff  | -0.43    | 0.01  | 0.75     | 418.30       | MM         |



Site ID: 644749147533101  
Local Number: FC00100226DBC1 014

FIASL14 SLOUGH SITE  
Slough site at road crossing the dike

LS, land surface  
MM, mass measurement  
PM, partial measurement  
MP, measuring point  
NA, not available  
WS, water surface

All measurements in feet  
Best reading from rebars and staff at this site  
Rebars: SLR6, SLR10, SLR11  
Staff: SLS2

Land surface datum: 417.62

| Date     | Time | Method | MP to WS | Error | LS to WS | WS elevation | Remarks    |
|----------|------|--------|----------|-------|----------|--------------|------------|
| 06-20-91 | 1415 | Staff  | 1.83     | 0.01  | -0.68    | 418.30       | PM, SLS2   |
| 06-21-91 | 1149 | Staff  | 2.04     | 0.01  | -0.89    | 418.51       | PM, SLS2   |
| 06-24-91 | NA   | Staff  | 3.61     | 0.01  | -2.46    | 420.08       | MM, SLS2   |
| 06-24-91 | 1511 | Staff  | 3.74     | 0.01  | -2.59    | 420.21       | MM, SLS2   |
| 06-25-91 | 1000 | Rebar  | 0.79     | 0.01  | -3.01    | 420.63       | PM, SLR6   |
| 06-26-91 | 1929 | Rebar  | 1.00     | 0.01  | -3.22    | 420.84       | PM, SLR6   |
| 06-27-91 | 1145 | Rebar  | 1.10     | 0.01  | -3.32    | 420.94       | PM, SLR6   |
| 07-09-91 | 1333 | Rebar  | 1.25     | 0.01  | -3.47    | 421.09       | PM, SLR6   |
| 07-10-91 | 1320 | Rebar  | 1.25     | 0.01  | -3.47    | 421.09       | PM, SLR6   |
| 07-12-91 | 1307 | Rebar  | 0.35     | 0.01  | -2.57    | 420.19       | PM, SLR6   |
| 07-13-91 | 1305 | Rebar  | 0.26     | 0.01  | -2.48    | 420.10       | PM, SLR6   |
| 07-16-91 | 1633 | Staff  | 3.14     | 0.01  | -1.99    | 419.61       | PM, SLS2   |
| 07-17-91 | 1248 | Staff  | 3.18     | 0.01  | -2.03    | 419.65       | MM, SLS2   |
| 07-29-91 | 1400 | Rebar  | 0.29     | 0.01  | -2.51    | 420.13       | PM, SLR6   |
| 08-20-91 | 1418 | Rebar  | 1.17     | 0.01  | -3.39    | 421.01       | MM, SLR6   |
| 09-10-91 | 1031 | Staff  | 2.42     | 0.01  | -1.27    | 418.89       | MM, SLS2   |
| 10-01-91 | NA   | Staff  | 1.82     | 0.01  | -0.67    | 418.29       | MM, SLS2   |
| 06-04-92 | NA   | Rebar  | -1.53    | 0.01  | 0.21     | 417.41       | PM, SLR10  |
| 06-12-92 | 1412 | Rebar  | 1.25     | 0.01  | -0.63    | 418.25       | MM, SLR11  |
| 06-30-92 | 0812 | Rebar  | -0.71    | 0.01  | -1.51    | 419.13       | PM, SLR6   |
| 08-13-92 | 1719 | Rebar  | -0.39    | 0.01  | -1.83    | 419.45       | MM, SLR6   |
| 04-14-93 | NA   | NA     | NA       | NA    | NA       | NA           | MM, frozen |
| 06-11-93 | 1545 | Rebar  | 1.80     | 0.01  | -1.01    | 418.63       | MM, SLR11  |
| 07-01-93 | 1220 | Rebar  | 2.41     | 0.01  | -1.62    | 419.24       | PM, SLR11  |



FIASL 14 SLOUGH SITE

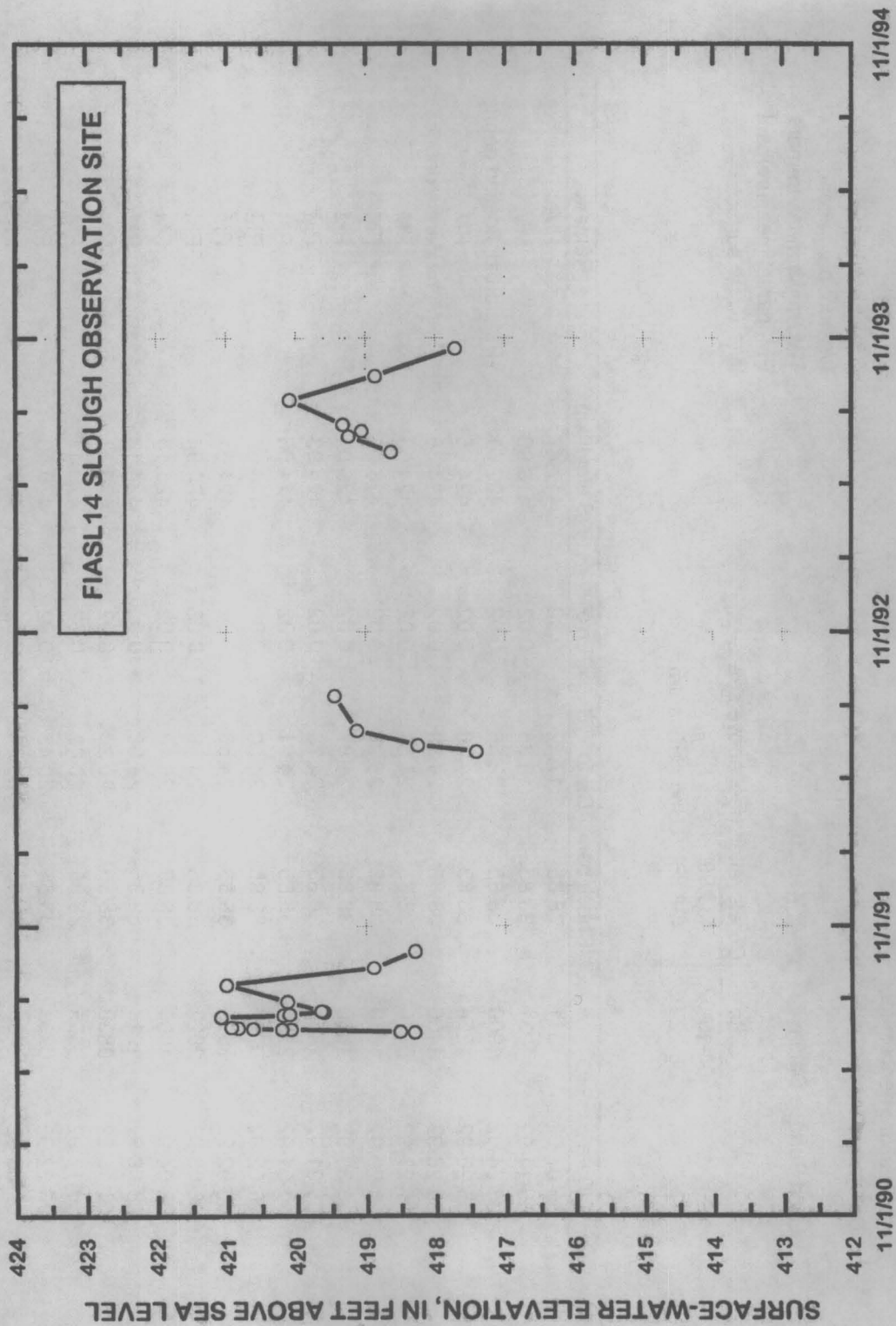
Slough site at road crossing the dike

(Continued)

Site ID: 644749147533101  
Local Number: FC00100226DBCBI 014

| Date     | Time | Method | MP to WS | Error | LS to WS | WS elevation | Remarks    |
|----------|------|--------|----------|-------|----------|--------------|------------|
| 07-08-93 | 1438 | Rebar  | 2.22     | 0.01  | -1.43    | 419.05       | PM, SLR11  |
| 07-16-93 | 1101 | Rebar  | 2.49     | 0.01  | -1.70    | 419.32       | MM, SLR11  |
| 08-16-93 | 1440 | Rebar  | 1.26     | 0.01  | -2.46    | 420.08       | MM, SLR10  |
| 09-15-93 | 1429 | Rebar  | 0.04     | 0.01  | -1.24    | 418.86       | MM, SLR10  |
| 10-19-93 | 1210 | Rebar  | 0.88     | 0.01  | -0.09    | 417.71       | MM, SLR11  |
| 11-16-93 | 1305 | NA     | NA       | NA    | NA       | NA           | MM, frozen |
| 12-21-93 | 1227 | NA     | NA       | NA    | NA       | NA           | MM, frozen |
| 01-18-94 | 1343 | NA     | NA       | NA    | NA       | NA           | MM, frozen |
| 02-25-94 | NA   | NA     | NA       | NA    | NA       | NA           | MM, frozen |
| 03-16-94 | NA   | NA     | NA       | NA    | NA       | NA           | MM, frozen |
| 04-18-94 | 1505 | NA     | NA       | NA    | NA       | NA           | MM, frozen |
| 05-16-94 | 1203 | NA     | NA       | NA    | NA       | NA           | MM, dry    |





Chena River at University Avenue at Fairbanks  
Wire Weight Gage

Site ID: 15514016  
Local Number: FC00100108CBBB

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

Land Surface Datum : 415.00

CB, check bar  
ft/s, foot per second  
MM, mass measurement  
PM, partial measurement  
WS, water surface

| Date     | CB elevation (feet above sea level) |
|----------|-------------------------------------|
| 08-10-92 | 438.90                              |
| 06-22-93 | 438.86 Updated datum                |

| Date     | Time | Check bar | CB to WS | Error | WS elevation | Remarks                     |
|----------|------|-----------|----------|-------|--------------|-----------------------------|
| 05-07-92 | 1011 | 38.85     | 17.42    | 0.02  | 417.47       | PM                          |
| 05-14-92 | 1031 | 38.85     | 18.85    | 0.02  | 418.90       | MM                          |
| 05-24-92 | 1900 | 38.85     | 22.56    | 0.02  | 422.61       | PM, turbid, floating debris |
| 05-26-92 | 1254 | 38.85     | 24.30    | 0.02  | 424.35       | PM                          |
| 05-26-92 | 1400 | 38.85     | 24.33    | 0.02  | 424.38       | PM, moderate debris         |
| 05-27-92 | 0810 | 38.85     | 24.58    | 0.02  | 424.63       | PM                          |
| 05-29-92 | 1630 | 38.85     | 25.97    | 0.02  | 426.02       | PM                          |
| 05-30-92 | 1030 | 38.85     | 24.97    | 0.02  | 425.02       | PM                          |
| 05-31-92 | 1810 | 38.85     | 24.78    | 0.02  | 424.83       | PM                          |
| 06-01-92 | 2155 | 38.85     | 24.51    | 0.02  | 424.56       | PM                          |
| 06-02-92 | 0737 | 38.85     | 24.50    | 0.02  | 424.55       | PM                          |
| 06-02-92 | 2316 | 38.85     | 24.56    | 0.02  | 424.61       | PM                          |
| 06-03-92 | 2322 | 38.85     | 24.89    | 0.02  | 424.94       | PM                          |
| 06-04-92 | 1000 | 38.85     | 25.10    | 0.02  | 425.15       | PM                          |
| 06-08-92 | 1913 | 38.85     | 24.08    | 0.02  | 424.13       | PM                          |
| 06-16-92 | 0830 | 38.85     | 20.28    | 0.02  | 420.33       | MM                          |
| 06-17-92 | 0805 | 38.85     | 20.42    | 0.02  | 420.47       | PM                          |
| 06-22-92 | 0733 | 38.85     | 20.48    | 0.02  | 420.53       | PM                          |
| 07-08-92 | 1400 | 38.85     | 20.24    | 0.02  | 420.29       | PM                          |
| 07-17-92 | 1058 | 38.85     | 20.59    | 0.02  | 420.64       | MM                          |
| 07-24-92 | 1745 | 38.85     | 20.71    | 0.02  | 420.76       | PM                          |

Chena River at University Avenue at Fairbanks (Continued)  
 Wire Weight Gage

Site ID: 15514016  
 Local Number: FC00100108CBBB

| Date     | Time | Check bar | WS    | Error | WS elevation | Remarks                        |
|----------|------|-----------|-------|-------|--------------|--------------------------------|
| 08-13-92 | 1813 | 38.85     | 19.79 | 0.02  | 419.84       | MM                             |
| 09-14-92 | 0820 | 38.85     | 18.15 | 0.02  | 418.20       | PM                             |
| 11-05-92 | 0930 | 38.85     | 17.23 | 0.02  | 417.28       | MM, ice                        |
| 12-15-92 | 1200 | 38.85     | 17.96 | 0.02  | 418.01       | MM, ice                        |
| 02-20-93 | 1333 | 38.85     | 17.41 | 0.02  | 417.46       | MM, ice                        |
| 03-12-93 | 1520 | 38.85     | 17.11 | 0.04  | 417.16       | MM, ice                        |
| 04-02-93 | 1004 | 38.85     | 16.97 | 0.04  | 417.02       | PM, ice                        |
| 04-02-93 | 1532 | 38.85     | 16.98 | 0.04  | 417.03       | PM, ice                        |
| 04-02-93 | 1605 | 38.85     | 16.99 | 0.04  | 417.04       | PM, ice                        |
| 04-09-93 | 1335 | 38.85     | 17.21 | 0.04  | 417.26       | PM, flowing water              |
| 04-12-93 | 1633 | 38.85     | 17.39 | 0.02  | 417.44       | PM, clear of ice               |
| 04-14-93 | 1408 | 38.85     | 17.48 | 0.02  | 417.53       | PM                             |
| 04-16-93 | 1210 | 38.85     | 17.67 | 0.02  | 417.72       | MM                             |
| 04-19-93 | 1745 | 38.85     | 18.24 | 0.02  | 418.29       | PM                             |
| 04-21-93 | 1620 | 38.85     | 19.04 | 0.02  | 419.09       | PM                             |
| 04-23-93 | 1630 | 38.85     | 20.02 | 0.02  | 420.07       | PM                             |
| 04-25-93 | 0840 | 38.85     | 20.66 | 0.02  | 420.71       | PM, no ice running, vel., ft/s |
| 05-01-93 | 1959 | 38.85     | 21.12 | 0.02  | 421.17       | PM                             |
| 05-02-93 | 2150 | 38.85     | 21.18 | 0.02  | 421.23       | PM                             |
| 05-03-93 | 1111 | 38.85     | 21.30 | 0.02  | 421.35       | PM                             |
| 05-05-93 | 1205 | 38.85     | 21.15 | 0.02  | 421.20       | PM                             |
| 05-08-93 | 2142 | 38.85     | 21.12 | 0.02  | 421.17       | PM                             |
| 05-10-93 | 1355 | 38.85     | 21.72 | 0.02  | 421.77       | PM                             |
| 05-12-93 | 1130 | 38.85     | 21.10 | 0.02  | 421.15       | PM                             |
| 05-14-93 | 1100 | 38.85     | 20.90 | 0.02  | 420.95       | PM                             |
| 05-18-93 | 1550 | 38.85     | 22.69 | 0.02  | 422.74       | MM                             |
| 05-24-93 | 1405 | 38.85     | 19.94 | 0.02  | 419.99       | PM                             |
| 05-26-93 | 1715 | 38.85     | 19.77 | 0.02  | 419.82       | PM                             |
| 05-29-93 | 1410 | 38.85     | 19.63 | 0.03  | 419.68       | PM                             |
| 06-02-93 | 1545 | 38.84     | 19.24 | 0.02  | 419.30       | PM                             |
| 06-08-93 | 1405 | 38.85     | 19.07 | 0.02  | 419.12       | PM                             |



Chena River at University Avenue at Fairbanks  
Wire Weight Gage

(Continued)

Site ID: 15514016  
Local Number: FC00100108CBBB

| Date     | Time | Check bar | WS    | Error | WS elevation | Remarks               |
|----------|------|-----------|-------|-------|--------------|-----------------------|
| 06-11-93 | 1228 | 38.85     | 18.84 | 0.02  | 418.89       | MM                    |
| 06-15-93 | 1930 | 38.85     | 18.83 | 0.02  | 418.88       | PM                    |
| 06-21-93 | 1045 | 38.85     | 20.76 | 0.02  | 420.81       | PM                    |
| 06-25-93 | 1652 | 38.84     | 19.89 | 0.02  | 419.91       | PM, has been surveyed |
| 06-30-93 | 1935 | 38.85     | 19.57 | 0.02  | 419.58       | PM                    |
| 07-02-93 | 1830 | 38.85     | 20.84 | 0.02  | 420.85       | PM                    |
| 07-08-93 | 1447 | 38.85     | 19.29 | 0.02  | 419.30       | PM                    |
| 07-17-93 | 1709 | 38.84     | 19.68 | 0.02  | 419.70       | MM                    |
| 07-21-93 | 1700 | 38.84     | 20.21 | 0.02  | 420.23       | PM                    |
| 07-28-93 | 1802 | 38.84     | 19.17 | 0.02  | 419.19       | PM                    |
| 08-05-93 | 1852 | 38.84     | 19.77 | 0.02  | 419.79       | PM                    |
| 08-11-93 | 1435 | 38.85     | 20.31 | 0.02  | 420.32       | PM                    |
| 08-16-93 | 1134 | 38.85     | 20.35 | 0.02  | 420.36       | MM                    |
| 08-27-93 | 1940 | 38.85     | 19.34 | 0.02  | 419.35       | PM                    |
| 09-08-93 | 1844 | 38.85     | 20.45 | 0.02  | 420.46       | PM                    |
| 09-15-93 | 1600 | 38.85     | 19.47 | 0.02  | 419.48       | MM                    |
| 09-29-93 | 1655 | 38.84     | 19.86 | 0.02  | 419.88       | PM                    |
| 10-08-93 | 1602 | 38.85     | 19.35 | 0.02  | 419.36       | PM                    |
| 10-14-93 | 1317 | 38.85     | 19.49 | 0.02  | 419.50       | PM                    |
| 10-19-93 | 1317 | 38.85     | 19.45 | 0.02  | 419.46       | MM                    |
| 01-19-94 | 1315 | 38.85     | 17.93 | 0.02  | 417.94       | MM                    |
| 02-22-94 | 1549 | 38.86     | 17.75 | 0.02  | 417.75       | MM                    |
| 03-31-94 | 1500 | 38.85     | 17.13 | 0.02  | 417.14       | MM                    |
| 04-18-94 | 2019 | 38.85     | 17.96 | 0.02  | 417.97       | MM                    |
| 04-21-94 | 1538 | 38.85     | 17.10 | 0.02  | 417.11       | MM                    |
| 04-25-94 | 1245 | 38.85     | 18.51 | 0.02  | 418.52       | PM                    |
| 04-28-94 | 1215 | 38.85     | 21.57 | 0.02  | 421.58       | PM                    |
| 05-03-94 | 1557 | 38.85     | 19.74 | 0.02  | 419.75       | MM                    |
| 05-10-94 | 1455 | 38.85     | 18.74 | 0.02  | 418.75       | PM                    |
| 05-20-94 | 1132 | 38.85     | 18.27 | 0.02  | 418.28       | PM                    |
| 05-23-94 | 1628 | 38.85     | 18.19 | 0.02  | 418.20       | PM                    |

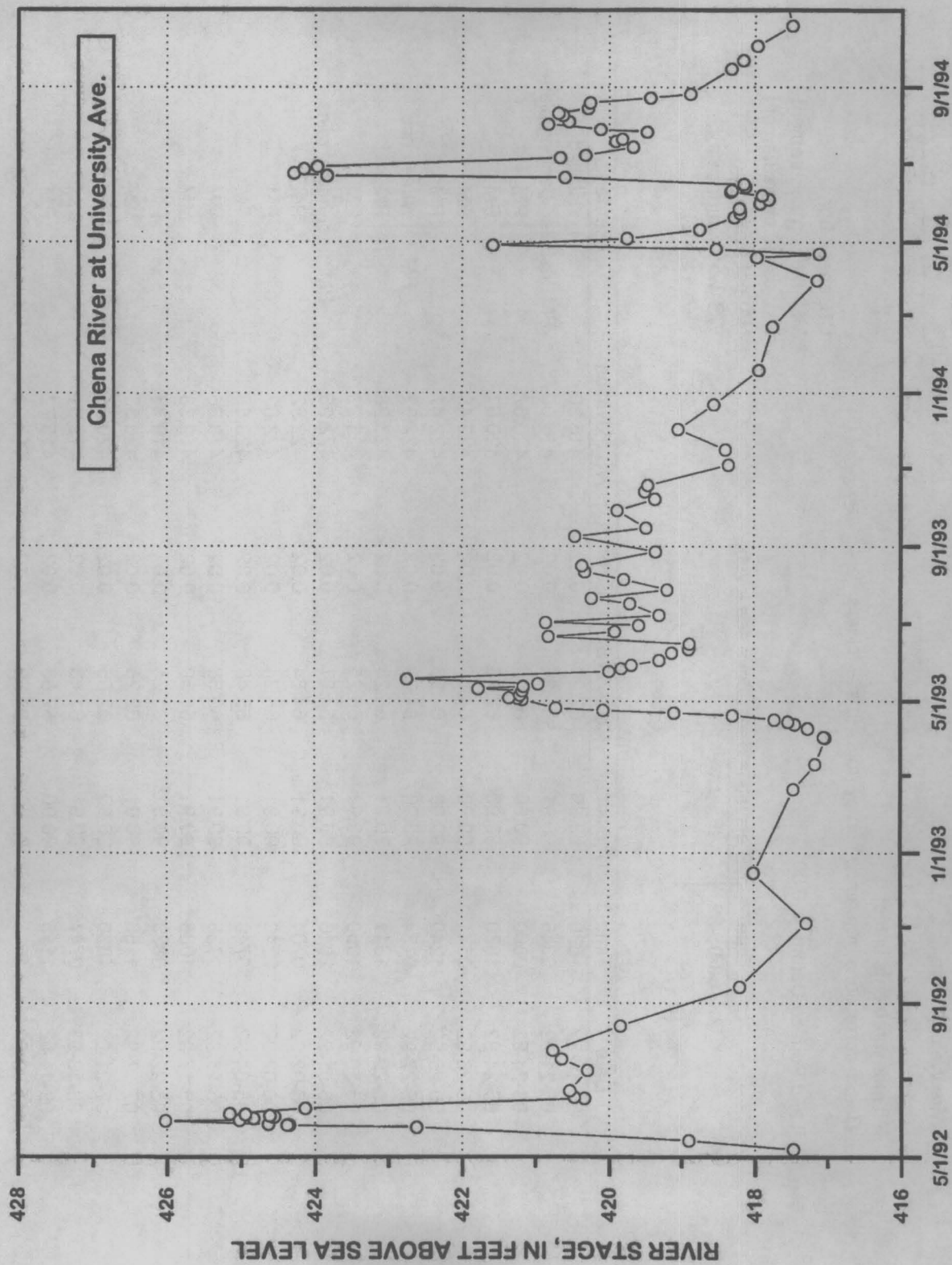
Chena River at University Avenue at Fairbanks  
Wire Weight Gage

(Continued)

Site ID: 15514016  
Local Number: FC00100108CBBB

| Date     | Time | Check bar | WS    | Error | WS elevation | Remarks |
|----------|------|-----------|-------|-------|--------------|---------|
| 05-27-94 | 0928 | 38.85     | 18.20 | 0.02  | 418.21       | PM      |
| 05-31-94 | 1005 | 38.85     | 17.92 | 0.02  | 417.93       | PM      |
| 06-03-94 | 1215 | 38.85     | 17.80 | 0.02  | 417.81       | PM      |
| 06-06-94 | 1519 | 38.85     | 17.89 | 0.02  | 417.90       | PM      |
| 06-09-94 | 1545 | 38.85     | 18.32 | 0.02  | 418.33       | PM      |
| 06-10-94 | 1606 | 38.85     | 18.30 | 0.02  | 418.31       | PM      |
| 06-24-94 | 1127 | 38.85     | 24.28 | 0.02  | 424.29       | PM      |
| 06-27-94 | 1612 | 38.85     | 24.14 | 0.02  | 424.15       | PM      |
| 06-29-94 | 1601 | 38.85     | 23.96 | 0.02  | 423.97       | PM      |
| 07-06-94 | 1705 | 38.85     | 20.65 | 0.02  | 420.66       | PM      |
| 07-08-94 | 1514 | 38.85     | 20.31 | 0.02  | 420.32       | PM      |
| 07-15-94 | 0738 | 38.85     | 19.66 | 0.02  | 419.67       | MM      |
| 07-19-94 | 1703 | 38.85     | 19.90 | 0.02  | 419.91       | PM      |
| 07-21-94 | 1600 | 38.85     | 19.81 | 0.02  | 419.82       | PM      |
| 07-27-94 | 1234 | 38.85     | 19.47 | 0.02  | 419.48       | PM      |
| 07-29-94 | 1115 | 38.85     | 20.11 | 0.02  | 420.12       | PM      |
| 08-02-94 | 1550 | 38.85     | 20.82 | 0.02  | 420.83       | PM      |
| 08-04-94 | 1627 | 38.85     | 20.54 | 0.02  | 420.55       | PM      |
| 08-09-94 | 1558 | 38.85     | 20.62 | 0.02  | 420.63       | PM      |
| 08-11-94 | 1054 | 38.85     | 20.68 | 0.02  | 420.69       | PM      |
| 08-15-94 | 0910 | 38.85     | 20.28 | 0.02  | 420.29       | MM      |
| 08-19-94 | 1544 | 38.85     | 20.25 | 0.02  | 420.26       | PM      |
| 08-23-94 | 1502 | 38.85     | 19.42 | 0.02  | 419.43       | PM      |
| 10-19-94 | 1225 | 38.85     | 17.48 | 0.02  | 417.49       | MM      |





Chena River at Parks Highway at Fairbanks  
Wire Weight Gage

Site ID: 15514018  
Local Number: FC00100212DA

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

Land Surface Datum: 410.00

CB, check bar  
MM, mass measurement  
PM, partial measurement  
NA, not available  
WS, water surface

| Date     | CB elevation (feet above sea level) |
|----------|-------------------------------------|
| 08-05-92 | 448.99                              |

| Date     | Time | Check bar | CB to WS | Error | WS elevation | Remarks                     |
|----------|------|-----------|----------|-------|--------------|-----------------------------|
| 05-19-92 | 1630 | 90.89     | 57.20    | 0.02  | 415.30       | PM, installed               |
| 05-21-92 | 0846 | 90.91     | 57.92    | 0.02  | 416.00       | PM, installed backing plate |
| 05-24-92 | 0800 | 90.90     | 62.48    | 0.02  | 420.57       | PM                          |
| 05-24-92 | 1830 | 90.90     | 62.48    | 0.02  | 420.57       | PM                          |
| 05-26-92 | 0641 | 90.90     | 64.37    | 0.02  | 422.46       | PM                          |
| 05-26-92 | 1240 | 90.90     | 64.38    | 0.03  | 422.47       | PM                          |
| 05-27-92 | 0724 | 90.90     | 64.73    | 0.02  | 422.82       | PM, snowmelt rise           |
| 05-29-92 | 1611 | 90.91     | 65.20    | 0.02  | 423.28       | PM                          |
| 05-30-92 | 1050 | 90.91     | 65.25    | 0.02  | 423.33       | PM                          |
| 06-01-92 | 2016 | 90.91     | 64.87    | 0.02  | 422.95       | PM, after heavy rains       |
| 06-02-92 | 0704 | 90.91     | 64.84    | 0.02  | 422.92       | PM                          |
| 06-02-92 | 2240 | 90.91     | 64.94    | 0.02  | 423.02       | PM                          |
| 06-04-92 | 0740 | 90.91     | 65.48    | 0.02  | 423.56       | PM                          |
| 06-16-92 | 0735 | 90.91     | 60.88    | 0.02  | 418.96       | MM                          |
| 06-17-92 | 1006 | 90.91     | 61.30    | 0.02  | 419.38       | MM                          |
| 06-22-92 | 0833 | 90.91     | 61.25    | 0.02  | 419.33       | PM                          |
| 07-17-92 | 1150 | 90.91     | 62.25    | 0.02  | 420.33       | MM                          |
| 07-21-92 | 1830 | 90.90     | 62.65    | 0.02  | 420.74       | PM                          |
| 08-13-92 | 0747 | 90.91     | 61.43    | 0.02  | 419.51       | MM                          |
| 09-14-92 | 1115 | 90.90     | 57.63    | 0.02  | 415.72       | PM                          |
| 11-05-92 | 1055 | 90.90     | 57.60    | 0.10  | 415.69       | MM, ice                     |



Chena River at Parks Highway at Fairbanks  
Wire Weight Gage

Site ID: 15514018  
Local Number: FC00100212DA

| Date     | Time | Check bar | WS    | Error | WS elevation | Remarks                 |
|----------|------|-----------|-------|-------|--------------|-------------------------|
| 02-20-93 | 1500 | 90.86     | 58.06 | 0.04  | 416.19       | MM, ice                 |
| 03-12-93 | 1600 | 90.85     | 58.69 | 0.02  | 416.83       | MM, ice                 |
| 04-02-93 | 1035 | 90.86     | 58.45 | 0.02  | 416.58       | PM, ice                 |
| 04-02-93 | 1540 | 90.86     | 58.48 | 0.02  | 416.61       | PM, ice                 |
| 04-09-93 | 1353 | 90.88     | 58.78 | 0.02  | 416.89       | PM, flowing water       |
| 04-12-93 | 1620 | 90.88     | 58.96 | 0.02  | 417.07       | PM, rough water surface |
| 04-14-93 | 1420 | 90.88     | 58.86 | 0.02  | 416.97       | PM, open water          |
| 04-16-93 | 1150 | 90.88     | 59.25 | 0.02  | 417.36       | MM, open water          |
| 04-19-93 | 1735 | 90.88     | 59.69 | 0.02  | 417.80       | PM                      |
| 04-21-93 | 1612 | 90.88     | 60.22 | 0.03  | 418.33       | PM, rough water surface |
| 04-23-93 | 1615 | 90.88     | 61.25 | 0.03  | 419.36       | PM, rough water surface |
| 05-01-93 | 1927 | 90.86     | 61.15 | 0.02  | 419.28       | PM                      |
| 05-02-93 | 2214 | 90.85     | 61.39 | 0.02  | 419.53       | PM                      |
| 05-03-93 | 1103 | 90.86     | 61.34 | 0.02  | 419.47       | PM                      |
| 05-05-93 | 1158 | 90.86     | 61.24 | 0.02  | 419.37       | PM, rough water surface |
| 05-08-93 | 2112 | 90.86     | 61.14 | 0.02  | 419.27       | PM                      |
| 05-14-93 | 1020 | 90.90     | 60.84 | 0.02  | 418.93       | PM                      |
| 05-18-93 | 1542 | 90.90     | 62.91 | 0.02  | 421.00       | MM                      |
| 05-24-93 | 1357 | 90.90     | 60.24 | 0.02  | 418.33       | PM                      |
| 05-26-93 | 1700 | 90.90     | 60.19 | 0.02  | 418.28       | PM                      |
| 05-29-93 | 1400 | 90.90     | 59.02 | 0.02  | 417.11       | PM                      |
| 06-02-93 | 1536 | 90.90     | 59.72 | 0.02  | 417.81       | PM                      |
| 06-08-93 | 1355 | 90.89     | 59.03 | 0.02  | 417.13       | PM                      |
| 06-11-93 | 1218 | 90.90     | 59.66 | 0.02  | 417.75       | MM                      |
| 06-14-93 | 2000 | 90.90     | 59.57 | 0.02  | 417.66       | PM                      |
| 06-15-93 | 1940 | 90.90     | 59.50 | 0.02  | 417.59       | PM                      |
| 06-21-93 | 1043 | 90.90     | 61.88 | 0.02  | 419.97       | PM                      |
| 06-25-93 | 1646 | 90.90     | 61.18 | 0.02  | 419.27       | PM                      |
| 06-30-93 | 1925 | 90.90     | 60.06 | 0.02  | 418.15       | PM                      |
| 07-02-93 | 1800 | 90.90     | 62.50 | 0.02  | 420.59       | PM                      |
| 07-09-93 | 0902 | 90.90     | 60.78 | 0.02  | 418.87       | PM                      |

Chena River at Parks Highway at Fairbanks  
Wire Weight Gage

Site ID: 15514018  
Local Number: FC00100212DA

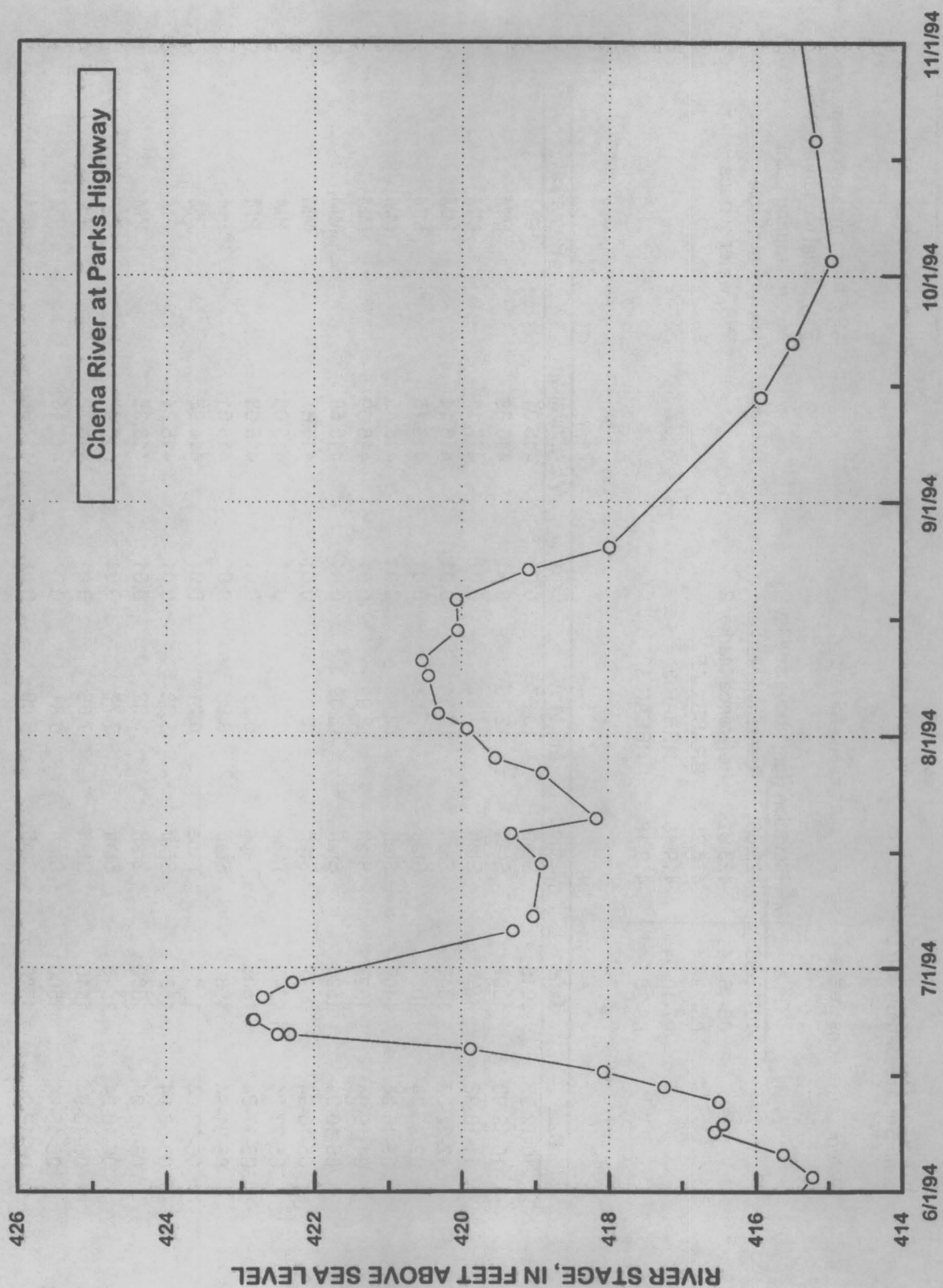
| Date     | Time | Check bar | WS    | Error | WS elevation | Remarks    |
|----------|------|-----------|-------|-------|--------------|------------|
| 07-16-93 | 1337 | 90.90     | 60.10 | 0.02  | 418.19       | MM         |
| 07-21-93 | 1650 | 90.90     | 61.01 | 0.02  | 419.10       | PM         |
| 07-28-93 | 1747 | 90.90     | 61.51 | 0.02  | 419.60       | PM         |
| 08-05-93 | 1830 | 90.90     | 61.47 | 0.02  | 419.56       | PM         |
| 08-11-93 | 1423 | 90.90     | 61.73 | 0.02  | 419.82       | PM         |
| 08-16-93 | 1110 | 90.90     | 61.98 | 0.02  | 420.07       | MM         |
| 08-27-93 | 1933 | 90.90     | 59.55 | 0.02  | 417.64       | PM         |
| 09-08-93 | 0852 | 90.90     | 61.73 | 0.02  | 419.82       | PM         |
| 09-16-93 | 1553 | 90.90     | 59.83 | 0.02  | 417.92       | MM         |
| 09-29-93 | 1645 | 90.90     | 59.53 | 0.02  | 417.62       | PM         |
| 10-14-93 | 1310 | 90.89     | 59.00 | 0.02  | 417.10       | PM         |
| 10-19-93 | 1345 | 90.89     | 58.92 | 0.02  | 417.02       | MM         |
| 11-16-93 | 1300 | 90.90     | NA    | 0.02  | --           | MM, Frozen |
| 11-18-93 | 1300 | 90.90     | 59.33 | 0.02  | 417.42       | MM         |
| 12-02-93 | 1210 | 90.90     | 59.25 | 0.02  | 417.34       | PM         |
| 12-22-93 | 1147 | 90.90     | 58.43 | 0.02  | 416.52       | MM         |
| 01-19-94 | 1355 | 90.90     | 57.82 | 0.02  | 415.91       | MM         |
| 02-22-94 | 1610 | 90.91     | 58.41 | 0.02  | 416.49       | MM         |
| 04-21-94 | 1530 | 90.90     | 57.94 | 0.02  | 416.03       | MM         |
| 04-25-94 | 1255 | 90.89     | 59.87 | 0.02  | 417.97       | PM         |
| 04-28-94 | 1227 | 90.89     | 62.78 | 0.03  | 420.88       | PM         |
| 05-03-94 | 1546 | 90.90     | 59.63 | 0.03  | 417.72       | PM         |
| 05-10-94 | 1507 | 90.90     | 57.03 | 0.02  | 415.12       | PM         |
| 05-13-94 | 1135 | 90.90     | 58.14 | 0.02  | 416.23       | MM         |
| 05-20-94 | 0943 | 90.90     | 57.57 | 0.02  | 415.66       | PM         |
| 05-23-94 | 1700 | 90.90     | 57.43 | 0.02  | 415.52       | PM         |
| 05-27-94 | 0923 | 90.89     | 57.44 | 0.02  | 415.54       | PM         |
| 05-31-94 | 1019 | 90.90     | 57.38 | 0.02  | 415.47       | PM         |
| 06-03-94 | 1054 | 90.90     | 57.14 | 0.02  | 415.23       | PM         |
| 06-06-94 | 1528 | 90.90     | 57.54 | 0.02  | 415.63       | PM         |
| 06-09-94 | 1523 | 90.91     | 58.48 | 0.02  | 416.56       | PM         |

Chena River at Parks Highway at Fairbanks  
Wire Weight Gage

Site ID: 15514018  
Local Number: FC00100212DA

| Date     | Time | Check bar | WS    | Error | WS elevation | Remarks |
|----------|------|-----------|-------|-------|--------------|---------|
| 06-10-94 | 1434 | 90.89     | 58.34 | 0.02  | 416.44       | PM      |
| 06-13-94 | 1056 | 90.89     | 58.40 | 0.02  | 416.50       | PM      |
| 06-15-94 | 1445 | 90.89     | 59.15 | 0.02  | 417.25       | MM      |
| 06-17-94 | 1522 | 90.90     | 59.98 | 0.02  | 418.07       | PM      |
| 06-20-94 | 1715 | 90.90     | 61.79 | 0.02  | 419.88       | PM      |
| 06-22-94 | 0911 | 90.90     | 64.24 | 0.02  | 422.33       | PM      |
| 06-22-94 | 1158 | 90.90     | 64.41 | 0.02  | 422.50       | PM      |
| 06-24-94 | 0903 | 90.90     | 64.75 | 0.02  | 422.84       | PM      |
| 06-24-94 | 1151 | 90.90     | 64.73 | 0.02  | 422.82       | PM      |
| 06-27-94 | 1623 | 90.90     | 64.61 | 0.02  | 422.70       | PM      |
| 06-29-94 | 1613 | 90.90     | 64.21 | 0.02  | 422.30       | PM      |
| 07-06-94 | 1715 | 90.89     | 61.20 | 0.02  | 419.30       | PM      |
| 07-08-94 | 1527 | 90.89     | 60.93 | 0.02  | 419.03       | PM      |
| 07-15-94 | 0750 | 90.90     | 60.82 | 0.02  | 418.91       | MM      |
| 07-19-94 | 1703 | 90.90     | 61.24 | 0.02  | 419.33       | PM      |
| 07-21-94 | 1613 | 90.89     | 60.06 | 0.02  | 418.16       | PM      |
| 07-27-94 | 1256 | 90.90     | 60.81 | 0.02  | 418.90       | PM      |
| 07-29-94 | 1127 | 90.90     | 61.45 | 0.02  | 419.54       | PM      |
| 08-02-94 | 1602 | 90.89     | 61.82 | 0.02  | 419.92       | PM      |
| 08-04-94 | 1645 | 90.89     | 62.21 | 0.02  | 420.31       | PM      |
| 08-09-94 | 1611 | 90.89     | 62.35 | 0.02  | 420.45       | PM      |
| 08-11-94 | 1110 | 90.89     | 62.44 | 0.02  | 420.54       | PM      |
| 08-15-94 | 0855 | 90.90     | 61.96 | 0.02  | 420.05       | MM      |
| 08-19-94 | 1557 | 90.90     | 61.98 | 0.02  | 420.07       | PM      |
| 08-23-94 | 1515 | 90.90     | 61.00 | 0.02  | 419.09       | PM      |
| 08-26-94 | 1607 | 90.90     | 59.90 | 0.02  | 417.99       | PM      |
| 09-15-94 | 1204 | 90.89     | 57.83 | 0.02  | 415.93       | MM      |
| 09-22-94 | 1007 | 90.90     | 57.41 | 0.02  | 415.50       | PM      |
| 10-03-94 | 1104 | 90.90     | 56.87 | 0.02  | 414.96       | PM      |
| 10-19-94 | 1245 | 90.90     | 57.10 | 0.03  | 415.19       | MM      |







Chena River at Pike's Landing at Fairbanks

Site ID: 15514020  
Local Number: FC00100213A

Land Surface Datum: 410.00

Datum corrections, reference survey notes in site folders

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

| Date     | MP Elevation (feet above sea level) |
|----------|-------------------------------------|
| 10-12-93 | 428.68                              |
| 05-16-94 | 423.97                              |
| 05-23-94 | 414.75                              |
| 07-19-94 | 419.15                              |
| 08-28-94 | 418.18                              |

| Date     | Time | Method | MP to WS | Error | WS Elevation | Remarks |
|----------|------|--------|----------|-------|--------------|---------|
| 10-12-93 | 1015 | Staff  | 13.67    | 0.01  | 415.01       | PM      |
| 10-19-93 | 1007 | Staff  | 12.30    | 0.01  | 416.38       | MM      |
| 11-18-93 | N/A  | Staff  | 11.57    | 0.01  | 417.11       | MM      |
| 12-22-93 | 1340 | Staff  | 12.54    | 0.01  | 416.14       | MM      |
| 02-23-94 | 1030 | Staff  | 12.52    | 0.01  | 416.16       | MM      |
| 03-15-94 | 1400 | Staff  | 12.19    | 0.01  | 416.49       | MM      |
| 04-19-94 | 1527 | Staff  | 12.99    | 0.01  | 415.69       | MM      |
| 05-10-94 | 1526 | Staff  | 13.09    | 0.01  | 415.59       | MM      |
| 05-16-94 | 0922 | Staff  | 13.01    | 0.01  | 415.67       | MM      |
| 05-23-94 | 1746 | Tape   | 0.28     | 0.01  | 415.03       | PM      |
| 05-27-94 | 1506 | Tape   | 0.28     | 0.01  | 415.03       | PM      |
| 05-31-94 | 1030 | Staff  | 8.96     | 0.01  | 415.01       | PM      |
| 06-03-94 | 1104 | Tape   | 0.21     | 0.01  | 414.96       | PM      |
| 06-06-94 | 1537 | Staff  | 8.63     | 0.01  | 415.34       | PM      |
| 06-09-94 | 1600 | Staff  | 7.62     | 0.01  | 416.35       | PM      |
| 06-10-94 | 1445 | Staff  | 7.77     | 0.01  | 416.20       | PM      |
| 06-13-94 | 1115 | Staff  | 7.65     | 0.01  | 416.32       | PM      |
| 06-15-94 | 1500 | Staff  | 6.81     | 0.01  | 417.16       | PM      |
| 06-17-94 | 1528 | Staff  | 5.99     | 0.01  | 417.98       | PM      |

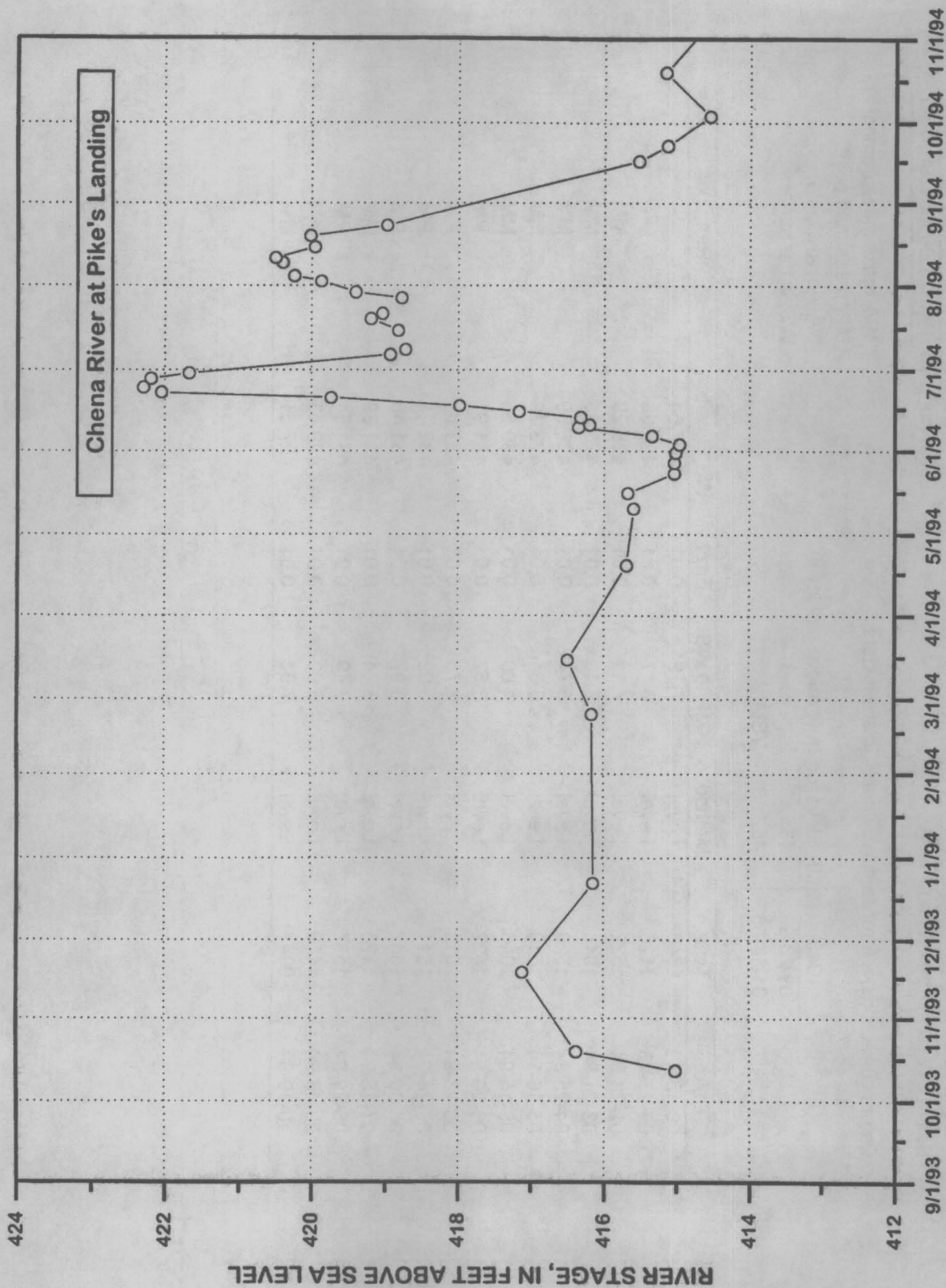
## Chena River at Pike's Landing at Fairbanks

(Continued)

 Site ID: 15514020  
 Local Number: FC00100213A

| Date     | Time | Method     | MP to WS | Error | WS Elevation | Remarks |
|----------|------|------------|----------|-------|--------------|---------|
| 06-20-94 | 1733 | Tape       | 0.59     | 0.01  | 419.74       | PM      |
| 06-22-94 | 1205 | Tape       | 1.92     | 0.02  | 422.05       | PM      |
| 06-24-94 | 1141 | Tape       | 1.68     | 0.02  | 422.29       | PM      |
| 06-27-94 | 1636 | Tape       | 1.78     | 0.02  | 422.19       | PM      |
| 06-29-94 | 1624 | Tape       | 2.30     | 0.02  | 421.67       | PM      |
| 07-06-94 | 1729 | Tape       | -0.22    | 0.02  | 418.93       | PM      |
| 07-08-94 | 1539 | Tape       | -0.43    | 0.02  | 418.72       | PM      |
| 07-15-94 | 1311 | Tape       | -0.33    | 0.02  | 418.82       | MM      |
| 07-19-94 | 1712 | Tape       | 0.05     | 0.02  | 419.20       | PM      |
| 07-21-94 | 1625 | Tape       | -0.11    | 0.02  | 419.04       | PM      |
| 07-27-94 | 1309 | Tape       | -0.37    | 0.02  | 418.78       | PM      |
| 07-29-94 | 1139 | Tape       | 0.26     | 0.02  | 419.41       | PM      |
| 08-02-94 | 1615 | Tape       | 0.72     | 0.02  | 419.87       | PM      |
| 08-04-94 | 1653 | Tape       | 1.09     | 0.02  | 420.24       | PM      |
| 08-09-94 | 1621 | Tape       | 1.25     | 0.02  | 420.40       | PM      |
| 08-11-94 | 1115 | Tape       | 1.35     | 0.02  | 420.50       | PM      |
| 08-15-94 | 1038 | Tape       | 0.81     | 0.02  | 419.96       | MM      |
| 08-19-94 | 1609 | Tape       | 0.87     | 0.02  | 420.02       | PM      |
| 08-23-94 | 1525 | Tape       | -0.17    | 0.02  | 418.98       | PM      |
| 09-16-94 | 1517 | Level      | 8.44     | 0.02  | 415.53       | MM      |
| 09-22-94 | 1109 | Level      | 8.84     | 0.02  | 415.13       | PM      |
| 10-03-94 | 1110 | Level      | 9.42     | 0.02  | 414.55       | PM      |
| 10-19-94 | 1613 | Hand level | -3.99    | 0.02  | 415.16       | MM      |





Tanana River at Peger Road

Bolt in SW corner base of flow valve

Site ID: 15485475

Local Number: FC00100129DAAA1

Datum corrections, reference survey notes in site folders

| Date     | MP Elevation (feet above sea level) |
|----------|-------------------------------------|
| 09-23-93 | 435.43                              |
| 01-17-95 | 432.56 TBM                          |

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

| Date     | Time | Method | MP to WS | Error | WS Elevation | Remarks |
|----------|------|--------|----------|-------|--------------|---------|
| 09-16-93 | 1640 | Level  | 7.79     | 0.01  | 427.64       | --      |
| 09-23-93 | 1125 | Level  | 8.17     | 0.01  | 427.26       | --      |
| 02-23-94 | 1522 | Level  | 7.14     | 0.01  | 428.29       | MM      |
| 03-21-94 | 1048 | Level  | 7.10     | 0.01  | 428.33       | MM      |
| 04-25-94 | 1520 | Level  | 5.74     | 0.01  | 429.69       | MM      |
| 05-16-94 | 1419 | Level  | 6.64     | 0.01  | 428.79       | MM      |
| 06-15-94 | 1046 | Level  | 4.88     | 0.01  | 430.55       | MM      |
| 06-20-94 | 1422 | Level  | 3.52     | 0.01  | 431.91       | PM      |
| 06-23-94 | 1012 | Level  | 2.75     | 0.01  | 432.68       | PM      |
| 06-24-94 | 1611 | Level  | 3.02     | 0.01  | 432.41       | PM      |
| 06-30-94 | 1647 | Level  | 3.97     | 0.01  | 431.46       | PM      |
| 07-15-94 | 1126 | Level  | 3.74     | 0.01  | 431.69       | MM      |
| 08-29-94 | 1537 | Level  | 3.49     | 0.01  | 431.94       | PM      |
| 09-16-94 | 1416 | Level  | 6.00     | 0.01  | 429.43       | MM      |
| 10-19-94 | 0944 | Level  | 7.92     | 0.01  | 427.51       | MM      |



