GROUND-WATER LEVELS AND TRITIUM CONCENTRATIONS AT THE MAXEY FLATS LOW-LEVEL RADIOACTIVE WASTE DISPOSAL SITE NEAR MOREHEAD, KENTUCKY, JUNE 1984 TO APRIL 1989

By Karen S. Wilson and Bridgett E. Lyons

U.S. GEOLOGICAL SURVEY

Water-Resources Investigations Report 90-4189

Prepared in cooperation with the
KENTUCKY NATURAL RESOURCES AND
ENVIRONMENTAL PROTECTION CABINET

Louisville, Kentucky

1991

U.S. DEPARTMENT OF THE INTERIOR

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CONVERSION FACTORS

The inch-pound units used in this report may be converted to metric (International System) units by the following factors:

Multiply inch-pound units	By	To obtain metric unit
inch (in.)	25.4	millimeter (mm)
foot (ft)	0.3048	meter (m)
mile (mi)	1.609	kilometer (km)
gallon per day (gal/d)	0.003785	cubic meter per day (m^3/d)
picocurie per milliliter (pCi/mL)	0.037	becquerel per milliliter (Bq/mL)

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

$$°C = (°F - 32)/1.8$$

Sea level: In this report "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD 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.

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ABSTRACT

Ground-water levels and the occurrence of tritium in ground water at the Maxey Flats Low-Level Radioactive Waste Disposal Site near Morehead in northeastern Kentucky were monitored by the U.S. Geological Survey, in cooperation with the Kentucky Natural Resources and Environmental Protection Cabinet from June 1984 to April 1989. Data collected during this monitoring program are presented in this report.

The Maxey Flats Low-Level Radioactive Waste Disposal Site encompasses approximately 280 acres near the edge of a flat-topped ridge. The ridge is underlain by fractured shale and sandstone beds of the Nancy Member and the Farmers Member of the Borden Formation of Mississippian age. The only appreciable ground-water flow in the strata beneath the site occurs through fractures, and flow patterns are difficult to delineate. The configuration of the potentiometric surface also is difficult to determine because several saturated and unsaturated zones are present in the rocks.

Generally, ground-water levels in wells intercepting permeable fractures fluctuated seasonally and were lowest from December through June and highest from July through November. Water levels in the disposal trenches fluctuated less than those in wells, and for most trenches the fluctuations were less than 0.5 foot.

From June 1984 to April 1989, tritium concentrations in ground water ranged from 0 to 2,402,200 picocuries per milliliter. The greatest and most variable tritium concentrations were in wells in the northwest section of the site. The major conduit of ground-water flow from the trenches in the northwestern part of the site was a non-homogeneously fractured sandstone bed which formed the base of most trenches. Elsewhere along the site perimeter, elevated levels of tritium were not detected in wells, and mean tritium concentrations indicated little change between 1986 and 1988.

Generally, fluctuations in tritium concentrations and specific conductance values were not related. Also, a general relation could not be determined between fluctuations of tritium concentrations and water levels.

INTRODUCTION

The Maxey Flats Low-Level Radioactive Waste Disposal Site (hereafter called the Maxey Flats site or "the site") began operation as a commercial radioactive waste disposal facility in May 1963. In 1973, the Kentucky

Cabinet for Human Resources (KCHR) reported the detection of radionuclides outside the disposal trenches. Because of increased concern about the migration of radionuclides from the site, commercial disposal operations at the facility ceased in December 1977. The Maxey Flats site was placed on the U.S. Environmental Protection Agency's (EPA) Superfund National Priority List in 1986, and remediation plans are being developed for the site.

Concern about the migration of radionuclides from the Maxey Flats site in northeastern Kentucky has led to several extensive hydrogeologic and water-quality studies. The U.S. Geological Survey (USGS), in cooperation with the Kentucky Natural Resources and Environmental Protection Cabinet (KNREPC) and the KCHR, has collected data at the site since 1974. An extensive ground-water data-collection network has been maintained to obtain information needed to define the hydrologic setting at the site. The geohydrology has been described by Zehner (1979 and 1983), and data collected as part of the continuing investigation of ground-water conditions has been documented by Lyverse (1987).

Purpose and Scope

This report, one in a series of reports by the USGS, summarizes ground-water level and tritium data that were collected by the USGS from June 1984 through April 1989. The report also describes the occurrence and distribution of tritium in water from selected wells. Data for ground-water levels in wells and disposal trenches and the concentrations of tritium in water from monitoring wells at the site are presented. Precipitation data were collected in conjunction with the water-level data to relate precipitation to ground-water recharge. Specific conductance data, routinely determined for ground-water samples, also were collected to compare changes in specific conductance to changes in tritium concentrations. All data are stored locally on the U.S. Geological Survey's National Water Information System (NWIS).

Description of Study Area

The Maxey Flats site is in northeastern Kentucky in Fleming County, about 9 mi (miles) northwest of the city of Morehead (fig. 1). The site is in the Central Lowland physiographic province (Fenneman, 1938). The area is characterized by conical hills and detached ridges that are erosional remnants at the edge of a plateau and is referred to as the Knobs physiographic province in the Commonwealth of Kentucky (Burroughs, 1926). The site is at the top of a ridge known as Maxey Flats at an average altitude of 1,050 feet above sea level. Heavily wooded, steep slopes occur to the east, south, and west of the site. Scattered residences and some farms lie north of the site. The surrounding valleys include small perennial streams.

The climate in northeastern Kentucky is temperate continental with warm, humid summers and cold winters. The average (30 years) annual rainfall for Fleming County is 45.68 inches (Kentucky Department of Economic Development, 1987). The mean (30 years) annual snowfall is 16.50 inches. Heavy rain or

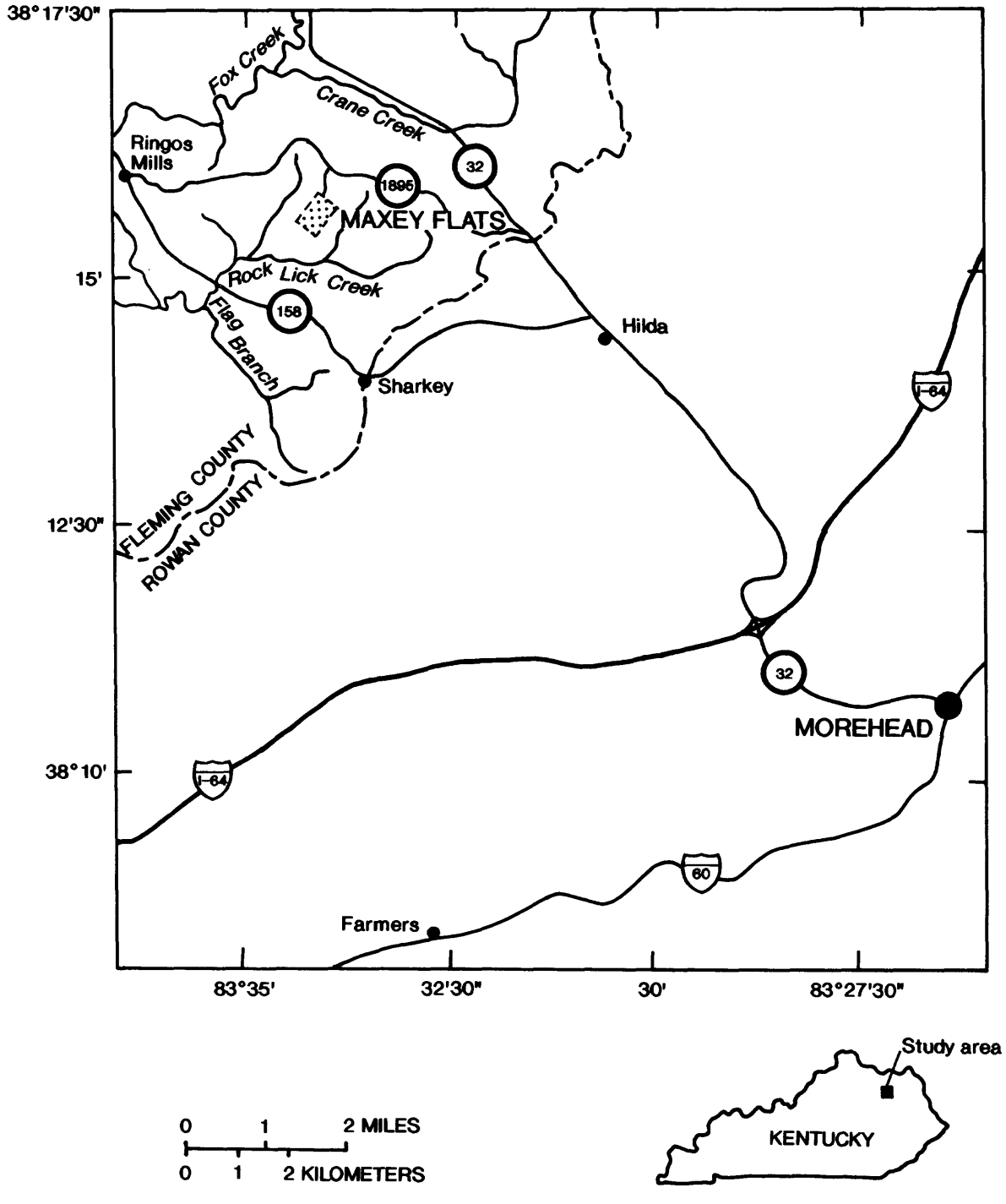


Figure 1.--Location of the Maxey Flats site.

severe thunderstorms generally occur during the summer months. On average, thunderstorms occur about 46 days each year based on 41 years of record. Prevailing winds are from the south. Temperatures range from above 90°F (degrees Fahrenheit) in the summer months to below 0°F during the winter months.

The study area consists of approximately 280 acres that are owned and maintained by the Commonwealth of Kentucky. Of this total, 45 acres have been fenced and designated as a restricted area (fig. 2). In the restricted area, 52 trenches were dug and approximately 25 acres were used for radioactive waste disposal (figs. 2 and 3).

In general, the trenches were constructed by excavating soil and rock material. Although the trenches are of various sizes and accurate dimensions are unavailable, a typical trench is rectangular in shape, about 20 ft (feet) deep, 300 ft long, 50 ft wide, and separated from other trenches by 5 to 10 ft of existing shale. After the radioactive wastes were placed in the trench, soils removed during the excavation were backfilled and the trench was capped with 3 to 10 ft of crushed shale and compacted clay. Trench caps were then graded, contoured, and seeded with grass to promote drainage of surface waters away from the trench (Zehner, 1983).

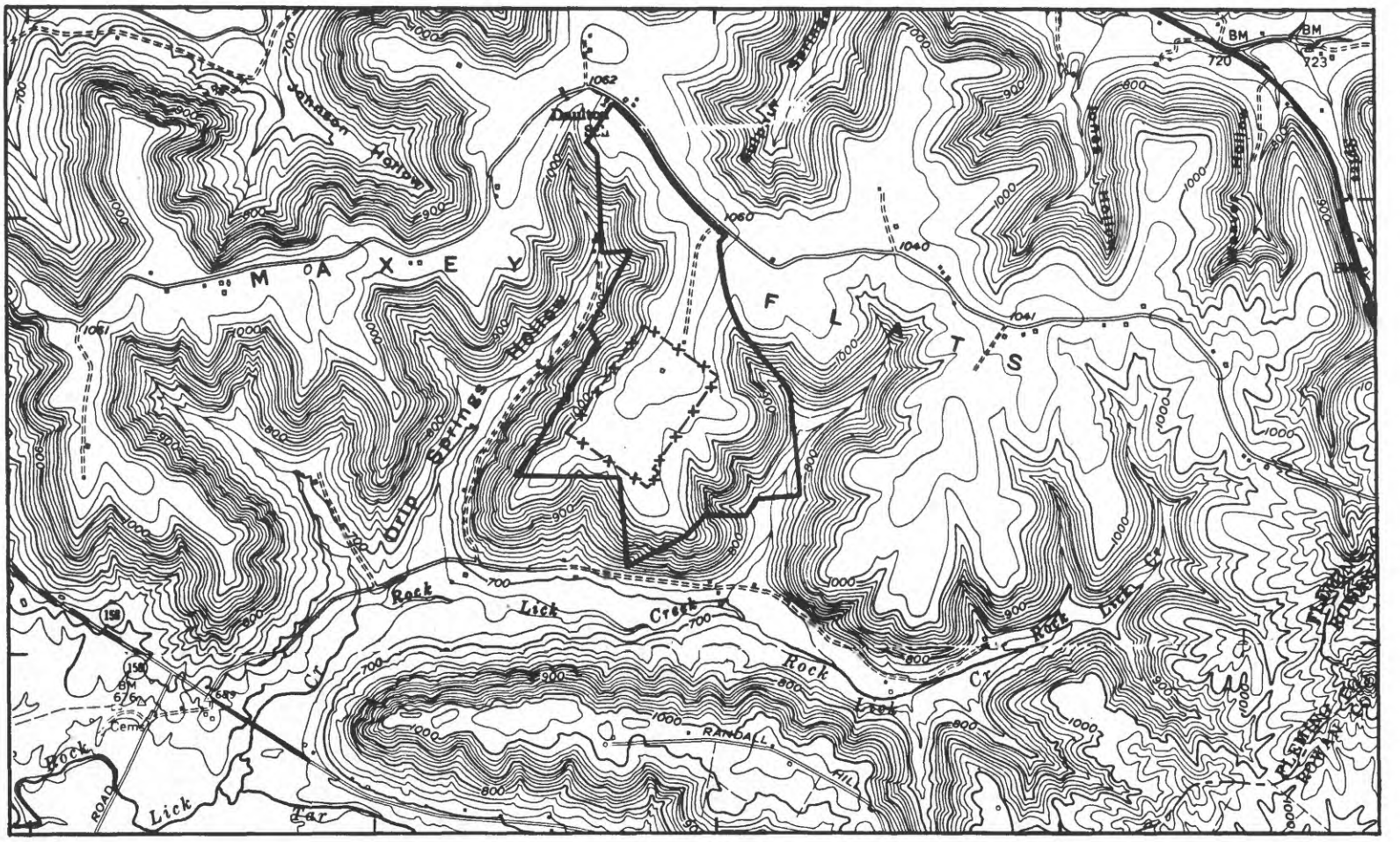
Decomposition of wastes in the trenches created voids and the caps cracked and subsided. The loss of trench cap integrity led to the accumulation of water in the trenches as precipitation infiltrated through cracks and depressions. In addition, some natural infiltration of precipitation occurred through the intact areas of the trench caps.

At various times during operation of the disposal site, trench sumps were installed to allow dewatering, chemical treatment, and evaporation of trench leachate. Each trench generally had several trench sumps. The sumps ranged from 2 to 12 inches in diameter, and consisted of either steel or plastic pipe slotted in the lower several feet (Zehner, 1983, p. 48). Trench bases were sloped a minimum of 1 percent so that infiltrating water would flow to the sumps for removal. Sumps were installed using one of the following methods:

1. During waste disposal, a pipe was set at the base of the trench and stabilized by backfilling with waste; or

2. After the trench was filled, a pipe was driven into the ground as deep as possible; it was assumed that the bottom of the pipe reached the base of the trench.

Two ponds (ponds B and C, fig. 3) lined with polyvinylchloride (PVC) were constructed for the storage of trench leachate pumped from the sumps (Zehner, 1983, p. 55). The ponds were covered in 1981 and no longer exist. Also, holding tanks were used to temporarily store trench leachate. The tanks were surrounded by an earthen berm to contain any spills of radioactive water and the area was referred to as a pond (pond A, fig. 3). Several spills contaminated the berm area (Kentucky Natural Resources and Environmental Protection Cabinet, written commun., 1982), and pond A also was eliminated in 1981.



Base from U.S. Geological Survey Plummers Landing 1:24,000, 1951, revisions as of 1979 and Farmers 1:24,000, 1970.

0 0.5 1 MILE

0 0.5 1 KILOMETER

CONTOUR INTERVAL 20 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929

EXPLANATION

DISPOSAL SITE PROPERTY BOUNDARY

—x—x— FENCE ENCLOSING DISPOSAL AREA

Figure 2.--Location of study area.

In November 1981, to further limit infiltration and accumulation of water in the trenches, a low permeability PVC membrane cover was placed over several disposal trenches. By September 1984, about three-fourths of the restricted area was covered, but several trenches, gravel roads, and parking lots remain uncovered (fig. 3).

Over a period of years, 175 wells have been drilled at the Maxey Flats site by either the USGS or contractors. Presently (1990), 169 wells still are at the site; 53 wells are within the restricted area and 116 wells are outside the restricted area (fig. 3).

Acknowledgments

The authors are grateful to the personnel of the Kentucky Natural Resources and Environmental Protection Cabinet and to the site operator for their support and assistance.

DATA-COLLECTION NETWORK

The data-collection network at the Maxey Flats site consists of monitoring wells, trench sumps, and a precipitation gage. The USGS has drilled and maintained a series of wells to provide data on ground-water levels and the occurrence of tritium.

Well Network

There are 123 USGS wells in or around the study area; 41 wells are inside the restricted area and 82 wells are outside (fig. 3). In addition to these 123 wells, 46 wells in or around the area were drilled by contractors. Monitoring wells drilled by the USGS were assigned a three to four character name, the first character being a U followed by another letter and a number (UB3, UG14). The UC and UD series wells shown in figure 3 are not in the well network for this study. Wells N2B, 11E, and Walker 8 were drilled by contractors but are part of the USGS data network.

Wells drilled by the USGS range in depth from 327.73 ft (well UB2) to 6.5 ft (well UG15). With the exception of wells UA4 and UB2 which are completed in the upper part of the Crab Orchard Group, all wells are completed in the Borden Formation. The UA and UB series wells were drilled by the air rotary method, and all other USGS wells were drilled by augering. USGS wells were cased with PVC, galvanized iron, or steel casing, and inside diameters range from 1.5 to 6.0 inches. With the exception of the UA and the UB series wells which are open hole, wells were finished with screens or with gravel pack and screen.

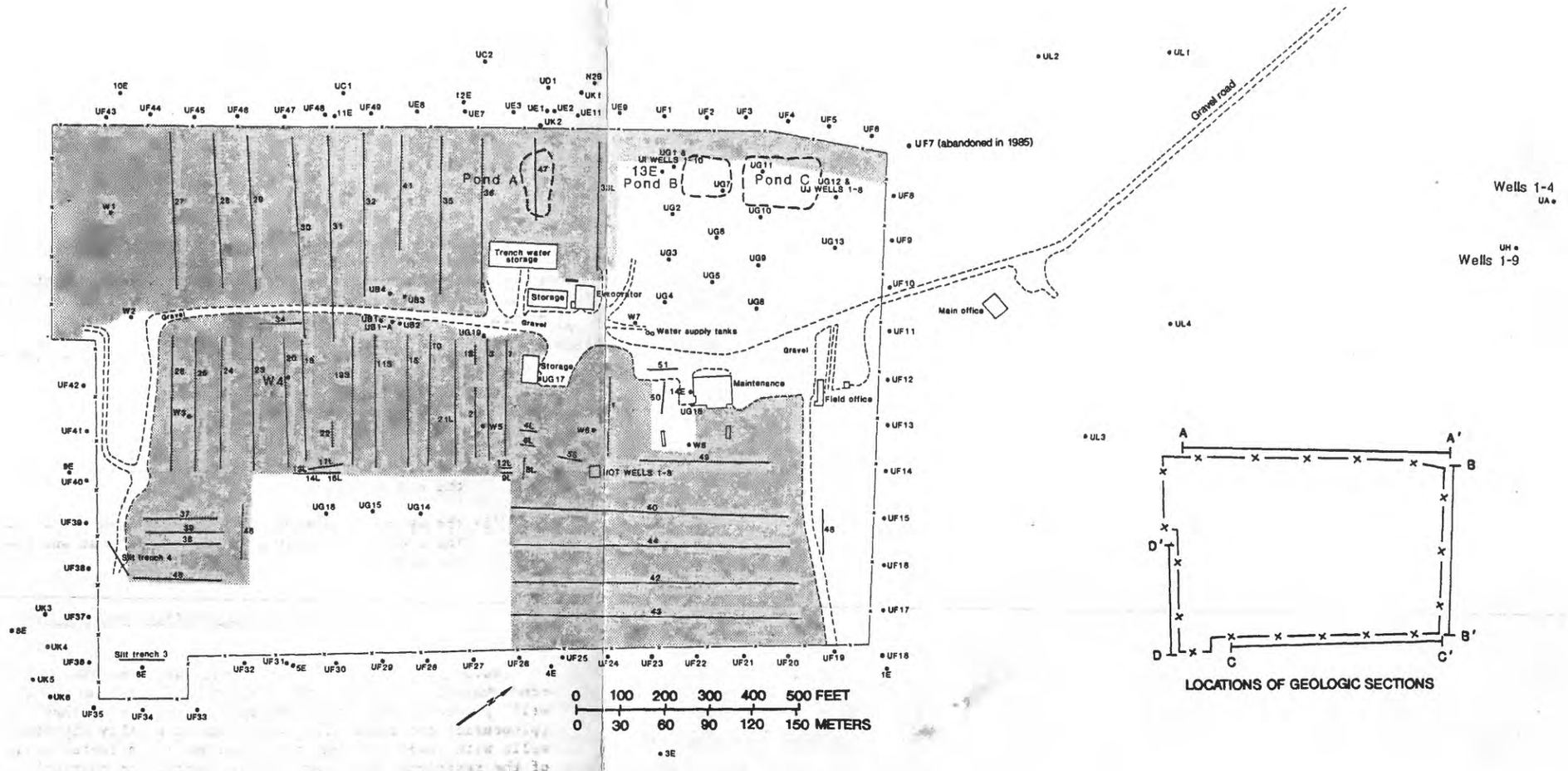


Figure 3.--Trench and well locations at the Maxey Flats site.

Drum water-level recorders were installed on wells UE2, UK1, UK2, UG1, N2B, and Walker 8 to record water levels continuously (table 1). These wells are in areas where the highest tritium concentrations have been detected. The mean daily, maximum, minimum, and hourly water levels are available for these wells. Water levels were measured monthly by steel tape at 45 wells clustered in the area of highest tritium concentrations and around the perimeter of the restricted area. Water levels were measured semiannually in all wells (table 2).

Trench Sump Network

Continuous water-level fluctuations were monitored at 15 trench sumps using drum water-level recorders (fig. 4 and table 1). USGS personnel serviced the continuous recorders and contractors at the Maxey Flats site measured water levels at all other trench sumps. The water levels measured by contractors are not included in this report.

The trenches are categorized into three areas at the site (fig. 4):

(1) The Western Trench Area includes trenches 27-32, 35, 36, 41, and 47. A non-homogeneously fractured sandstone bed of the Nancy Member forms the base of most trenches in this area.

(2) The Central Trench Area includes trenches in the central section of the disposal site.

(3) The 40 series Trench Area includes trenches 40, 43, 44, 48, and 49. The trenches in this area are the largest and the deepest trenches at the site.

Tritium and Specific Conductance

Water samples from selected wells were analyzed for tritium and specific conductance. Sampling intervals were dependent on the level of tritium in a well; generally wells with concentrations greater than 3,000 pCi/mL (picocuries per milliliter) were sampled monthly (Lyverse, 1987). Surrounding wells with lower tritium concentrations and selected wells along the perimeter of the restricted area were sampled monthly or quarterly. All wells with sufficient water except Walker 8 and the UA, the UB, and the UH series wells were sampled semiannually (table 2).

Water samples were collected by evacuating water from the well using a bailer or a peristaltic pump, or by submerging a sample bottle in the well. In March 1988, at the request of the KNREPC, sampling techniques for wells UF1, UF5, UF10, UF23, UF26, UF37, UF45, UE1, UE8, UE11, UG2, and UG7 (Pat Haight, Kentucky Natural Resources and Environmental Protection Cabinet, written commun., 1988) were changed to include well-purging. Where yields permitted, three casing volumes were purged from the well before a sample was collected. This sampling procedure was designed to obtain a representative

Table 1.--Wells and trench sumps equipped with continuous recorders

Well	Date recorder installed	Well	Date recorder installed
UE2	08-03-84	UG1	08-07-87
UK1	08-13-86	N2B	07-30-84
UK2	08-06-87	Walker 8	06-12-86

Trench sump	Date recorder installed	Trench sump	Date recorder installed
29-W	12-19-86	35-8	03-05-87
30-M	12-16-86	36-3	12-10-85
31-5	12-03-86	38-2	02-08-84
32-7	11-14-86	40-2	11-17-82
35-2	03-05-87	1S	12-19-79
35-3	05-14-86	SLIT-3	12-20-79
35-4	03-06-87	SLIT-4	12-20-79
35-6	11-14-86		

Table 2.--Data collection schedule for wells at the Maxey Flats site, June 1984 - April 1989

[NM, not measured; NS, not sampled]

Well	USGS site number	Frequency of water-level measurement	Frequency of water-quality sampling	Sampling method for water quality
UA1	381548083340001	Monthly	NS	
UA2	381549083340001	Monthly	NS	
UA3	381549083335901	Monthly	NS	
UA4	381548083335901	NM	NS	
UB1	381533083341801	NM	NS	
UB1-A	381533083341701	Monthly	NS	
UB2	381533083341702	Monthly	NS	
UB3	381534083341801	Monthly	NS	
UB4	381533083341802	Monthly	NS	
UE1	381538083342001	Monthly	Monthly	Purge well
UE2	381538083342002	Continuously	Monthly	Grab sample
			Quarterly	Purge well
UE3	381538083342003	Monthly	Monthly	Grab sample
UE7	381537083342101	Monthly	Monthly	Grab sample
UE8	381536083342201	Monthly	Monthly	Purge well
UE9	381540083341901	Monthly	Monthly	Grab sample
UE11	381539083341901	Monthly	Monthly	Purge well
UF1	381540083341801	Monthly	Monthly	Purge well
UF2	381541083341701	Monthly	Monthly	Grab sample
UF3	381542083341601	Monthly	Semiannually	Grab sample
UF4	381543083341601	Monthly	Semiannually	Grab sample
UF5	381543083341501	Monthly	Monthly	Purge well
UF6	381544083341401	Monthly	Semiannually	Grab sample
UF8	381544083341201	Monthly	Semiannually	Grab sample
UF9	381543083341101	Monthly	Semiannually	Grab sample
UF10	381542083341001	Monthly	Monthly	Purge well
UF11	381542083340901	Semiannually	Semiannually	Grab sample
UF12	381541083340801	Semiannually	Semiannually	Grab sample
UF13	381541083340701	Semiannually	Semiannually	Grab sample
UF14	381540083340601	Semiannually	Semiannually	Grab sample
UF15	381539083340501	Semiannually	Semiannually	Grab sample
UF16	381539083340401	Semiannually	Semiannually	Grab sample
UF17	381538083340301	Semiannually	Semiannually	Grab sample
UF18	381538083340201	Semiannually	Semiannually	Grab sample
UF19	381537083340301	Semiannually	Semiannually	Grab sample
UF20	381536083340401	Semiannually	Semiannually	Grab sample

Table 2.--Data collection schedule for wells at the Maxey Flats site, June 1984 - April 1989--Continued

[NM, not measured; NS, not sampled]

Well	USGS site number	Frequency of water-level measurement	Frequency of water-quality sampling	Sampling method for water quality
UF21	381535083340401	Semiannually	Semiannually	Grab sample
UF22	381534083340501	Semiannually	Semiannually	Grab sample
UF23	381534083340601	Monthly	Monthly	Purge well
UF24	381533083340601	Semiannually	Semiannually	Grab sample
UF25	381532083340702	Semiannually	Semiannually	Grab sample
UF26	381531083340801	Monthly	Monthly	Purge well
UF27	381530083340901	Semiannually	Semiannually	Grab sample
UF28	381529083340901	Semiannually	Semiannually	Grab sample
UF29	381529083341001	Semiannually	Semiannually	Grab sample
UF30	381528083341101	Semiannually	Semiannually	Grab sample
UF31	381527083341101	Semiannually	Semiannually	Grab sample
UF32	381526083341201	Semiannually	Semiannually	Grab sample
UF33	381525083341201	Semiannually	Semiannually	Grab sample
UF34	381524083341301	Semiannually	Semiannually	Grab sample
UF35	381523083341301	Semiannually	Semiannually	Grab sample
UF36	381523083341401	Semiannually	Semiannually	Grab sample
UF37	381524083341601	Monthly	Monthly	Purge well
UF38	381525083341701	Semiannually	Semiannually	Grab sample
UF39	381525083341801	Semiannually	Semiannually	Grab sample
UF40	381526083341901	Semiannually	Semiannually	Grab sample
UF41	381526083342001	Semiannually	Semiannually	Grab sample
UF42	381527083342101	Semiannually	Semiannually	Grab sample
UF43	381530083342701	Semiannually	Semiannually	Grab sample
UF44	381531083342601	Semiannually	Semiannually	Grab sample
UF45	381532083342501	Monthly	Monthly	Purge well
UF46	381533083342401	Semiannually	Semiannually	Grab sample
UF47	381534083342401	Semiannually	Semiannually	Grab sample
UF48	381534083342301	Semiannually	Semiannually	Grab sample
UF49	381535083342201	Monthly	Semiannually	Grab sample
UG1	381540083341601	Continuously	Semiannually	Grab sample
UG2	381539083341501	Monthly	Semiannually	Grab sample
UG3	381539083341401	Monthly	Semiannually	Grab sample
UG4	381538083341401	Monthly	Semiannually	Grab sample
UG5	381539083341301	Monthly	Semiannually	Grab sample
UG6	381540083341401	Monthly	Semiannually	Grab sample
UG7	381541083341501	Monthly	Semiannually	Grab sample
UG8	381540083341201	Monthly	Semiannually	Grab sample
UG9	381540083341301	Monthly	Semiannually	Grab sample

Table 2.--Data collection schedule for wells at the Maxey Flats site, June 1984 - April 1989--Continued

[NM, not measured; NS, not sampled]

Well	USGS site number	Frequency of water-level measurement	Frequency of water-quality sampling	Sampling method for water quality
UG10	381541083341401	Monthly	Semiannually	Grab sample
UG11	381542083341501	Monthly	Semiannually	Grab sample
UG12	381542083341301	Monthly	Semiannually	Grab sample
UG13	381542083341201	Monthly	Semiannually	Grab sample
UG14	381531083341301	Semiannually	Semiannually	Grab sample
UG15	381530083341301	Semiannually	Semiannually	Grab sample
UG16	381529083341401	Semiannually	Semiannually	Grab sample
UG17	381535083341401	Semiannually	Semiannually	Grab sample
UG18	381537083341101	Semiannually	Semiannually	Grab sample
UG19	381534083341601	Semiannually	Semiannually	Grab sample
UH1	381548083335601	NM	NS	
UH2	381548083335602	NM	NS	
UH3	381548083335603	NM	NS	
UH4	381548083335604	NM	NS	
UH5	381548083335605	NM	NS	
UH6	381548083335606	NM	NS	
UH7	381548083335607	NM	NS	
UH8	381548083335608	NM	NS	
UH9	381548083335609	NM	NS	
UI1	381540083341611	Semiannually	Semiannually	Grab sample
UI2	381540083341602	Semiannually	Semiannually	Grab sample
UI3	381540083341603	Semiannually	Semiannually	Grab sample
UI4	381540083341604	Semiannually	Semiannually	Grab sample
UI5	381540083341605	Semiannually	Semiannually	Grab sample
UI6	381540083341606	Semiannually	Semiannually	Grab sample
UI7	381540083341607	Semiannually	Semiannually	Grab sample
UI8	381540083341608	Semiannually	Semiannually	Grab sample
UI9	381540083341609	Semiannually	Semiannually	Grab sample
UI10	381540083341610	Semiannually	Semiannually	Grab sample
UJ1	381542083341309	Semiannually	Semiannually	Grab sample
UJ2	381542083341302	Semiannually	Semiannually	Grab sample
UJ3	381542083341303	Semiannually	Semiannually	Grab sample
UJ4	381542083341304	Semiannually	Semiannually	Grab sample
UJ5	381542083341305	Semiannually	Semiannually	Grab sample
UJ6	381542083341306	Semiannually	Semiannually	Grab sample
UJ7	381542083341307	Semiannually	Semiannually	Grab sample
UJ8	381542083341308	Semiannually	Semiannually	Grab sample

Table 2.--Data collection schedule for wells at the Maxey Flats site, June 1984 - April 1989--Continued

[NM, not measured; NS, not sampled]

Well	USGS site number	Frequency of water-level measurement	Frequency of water-quality sampling	Sampling method for water quality
UK1	381539083341902	Continuously	Monthly Quarterly	Grab sample Purge well
UK2	381538083341901	Continuously	Monthly Quarterly	Grab sample Purge well
UK3	381524083341701	Semiannually	Semiannually	Grab sample
UK4	381523083341601	Semiannually	Semiannually	Grab sample
UK5	381522083341501	Semiannually	Semiannually	Grab sample
UK6	381522083341401	Semiannually	Semiannually	Grab sample
UL1	381550083341001	Monthly	Semiannually	Grab sample
UL2	381547083341201	Monthly	Semiannually	Grab sample
UL3	381540083340201	Monthly	Semiannually	Grab sample
UL4	381543083340401	Monthly	Semiannually	Grab sample
11E	381534083342302	Monthly	Semiannually	Grab sample
WALKER 8	381537083341001	Continuously	NS	
N2B	381540083342001	Continuously	Monthly Quarterly	Grab sample Purge well

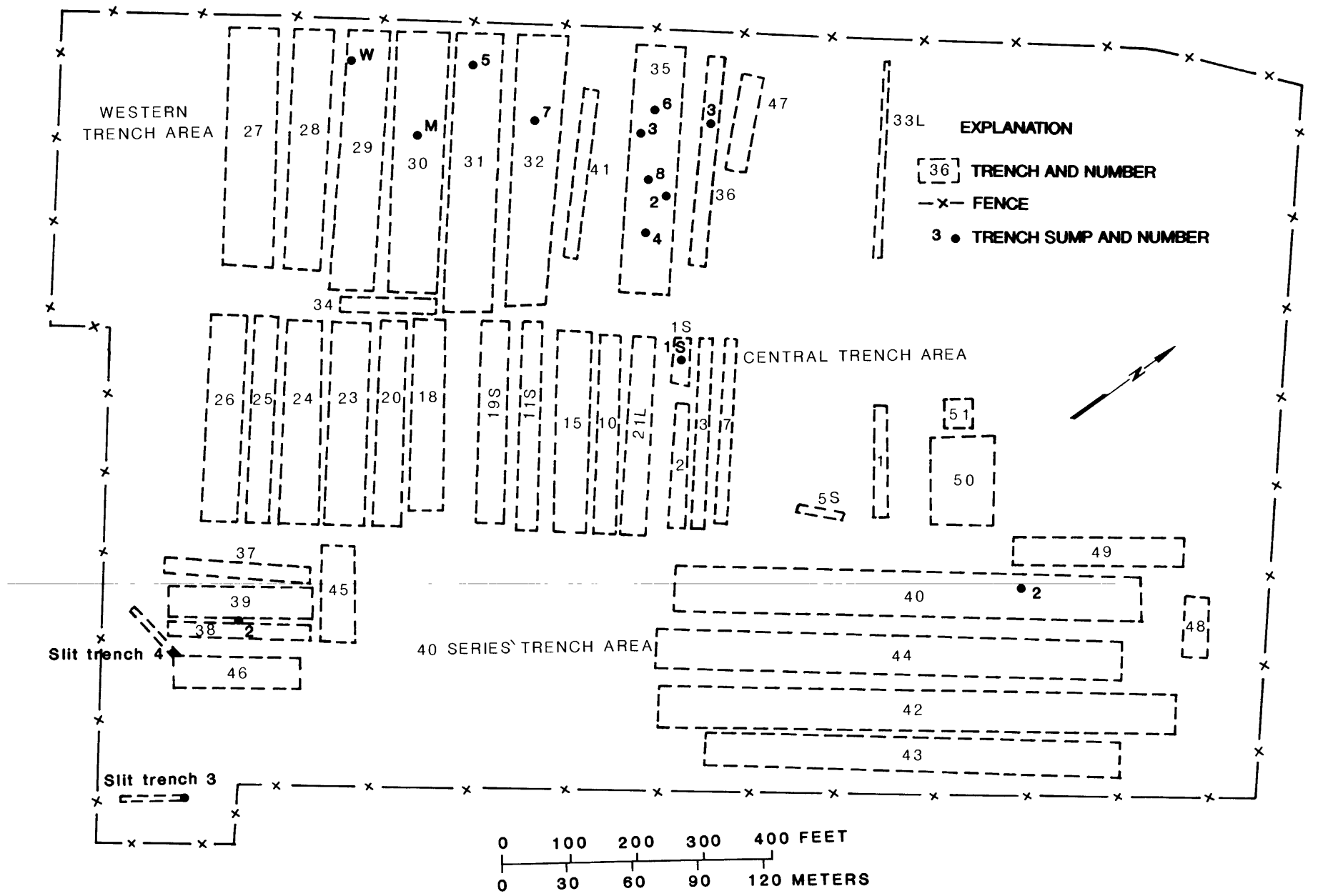


Figure 4.--Trench sumps with recorders.

sample from the aquifer and to prevent the introduction of a foreign substance that might affect the water quality. Due to a slow water recovery rate when the water level in UF45 was low, a sample was collected before purging.

UG2 and UG7 were dropped from the sampling network in June 1988. At the request of the KCHR, wells UK1, UK2, UE2 and N2B, were sampled monthly but were only purged quarterly.

The concentration of tritium in water samples was determined through a distillation process approved by the EPA, and performed by the KCHR, Kentucky Radiation Control Branch Laboratory (John Volpe, Kentucky Radiation Control Branch, oral commun., 1989). Specific conductance also was determined by this laboratory.

Precipitation

A tipping-bucket precipitation gage was installed within the restricted area on well UB3 in April 1985. The precipitation gage was equipped with a data-log recorder which provided a continuous record of daily sums of rainfall. Precipitation data from June 1984 to April 1985 were obtained from a weighing-bucket rain gage installed by the USGS but maintained by the Maxey Flats site contractor.

GEOHYDROLOGY

A detailed description of the geohydrology of the study area has been documented in previous studies by Zehner (1979 and 1983). The following is an overview of the geohydrologic system at Maxey Flats.

Geology

The stratigraphic units underlying the Maxey Flats site consist, from oldest to youngest, of the upper part of the Crab Orchard Group of Silurian age; the Ohio Shale of Devonian age; and the Bedford Shale, the Sunbury Shale, and the lower part of the Borden Formation of Mississippian age (fig. 5). The New Albany Shale, of Devonian and Mississippian age, is stratigraphically equivalent to the Ohio, Bedford, and Sunbury Shales.

The lower part of the Borden Formation at the Maxey Flats site consists of the Farmers Member and the Nancy Member. The Farmers Member underlies the Nancy Member and is composed of interbedded sandstone and minor amounts of shale. In the study area, the average thickness of the Farmers Member is 36 ft. The upper part of the Farmers Member (Zehner, 1983) is extensively jointed. The lower part of the Farmers Member is also jointed but to a lesser degree than the upper part. The lower part of the Farmers Member contains shale in thin beds ranging from less than 1 inch to a few inches in thickness.

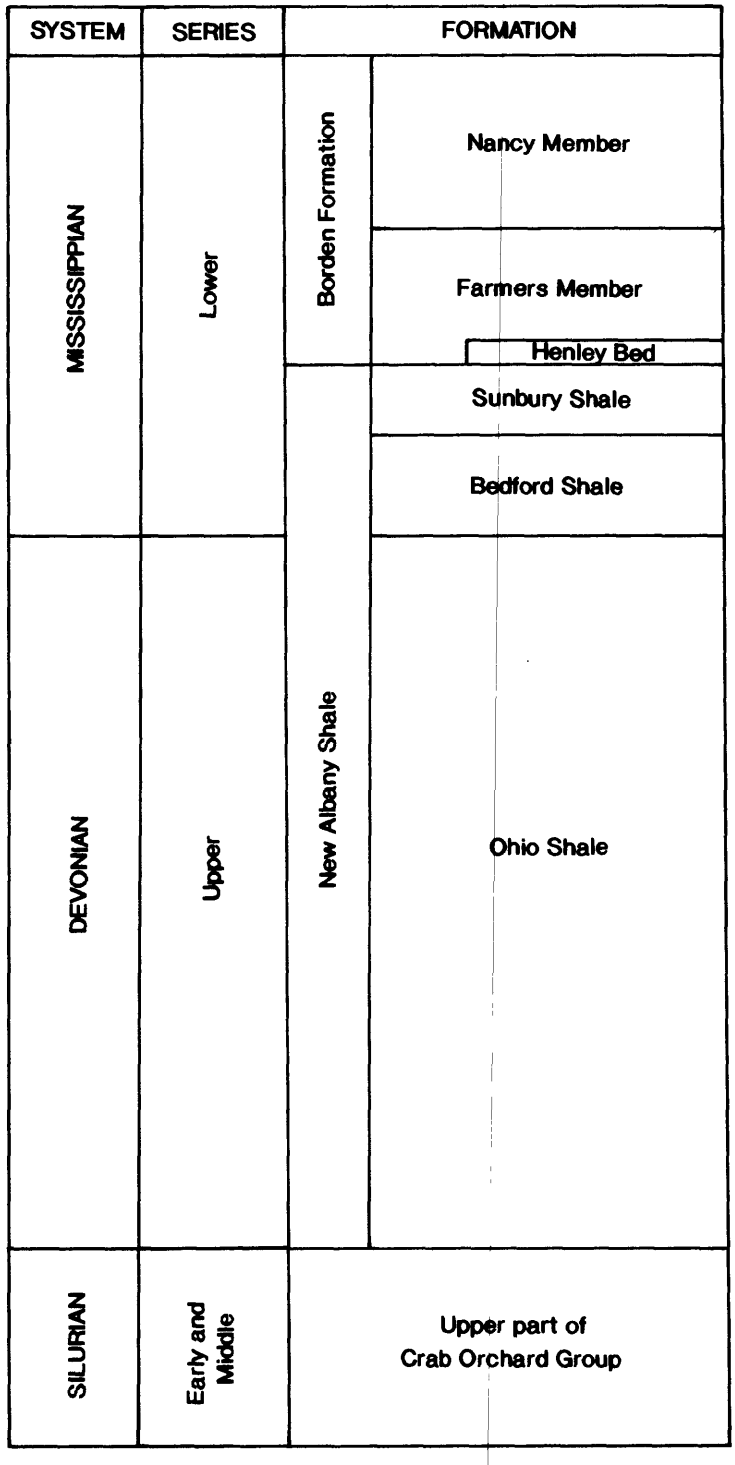


Figure 5.--Generalized stratigraphic column for the study area (modified from R.C. McDowell, 1981).

The Nancy Member of the Borden Formation, which consists of shale, siltstone, and sandstone, caps the Maxey Flats ridge. The shale of the Nancy Member is bluish- to greenish-gray and weathers from olive-gray to grayish- orange. The shale is slightly to very silty and is poorly fissile. Minor amounts of shaly siltstone occur near the top of the unit. The sandstone is yellowish-brown, very fine grained, and evenly bedded (McDowell and others, 1971).

The Nancy Member consists of unweathered and weathered shale. The unweathered part of the Nancy Member underlies the weathered material. Although the unweathered shale also contains small, irregular fractures, there is a prominent, near vertical joint system (Zehner, 1983). The near vertical joints are partially or completely filled with particles of weathered shale. Also, there are at least two very fine-grained sandstone beds with a maximum thickness of 3 ft near the base of the unweathered Nancy Member. The beds vary in thickness and are fractured and discontinuous (McDowell and others, 1971).

The upper 1 to 25 ft of the Nancy Member is composed of weathered shale, which is jointed with small, irregular fractures (Zehner, 1979). The weathered part of the Nancy Member extends over the edge of the Maxey Flats ridge where it grades into colluvium on the hillsides. Near the base of the weathered shale is a sandstone bed which ranges in thickness from less than 1 inch to about 3 ft and averages about 1.5 ft (figs. 6 and 7). The sandstone bed is present over most of the study area, is extensively jointed, and may be discontinuous or fractured on crests and troughs of small anticlinal and synclinal structures. In these areas, the weathered shale may extend to greater depths.

At the site, all rock strata contain major weathered joints and fractures of varying densities (Zehner, 1979). The spacings between fractures range from a few inches to more than 100 ft (Zehner, 1983). Most fractures terminate or are offset at the bedding planes.

Hydrology

The stratigraphic units underlying the Maxey Flats site are permeable enough to transmit water in small quantities, but the permeability is insufficient for production wells. Most drilled wells in the Maxey Flats area will not produce enough water for a dependable domestic supply (100 gallons a day) except in valleys surrounding the ridge (Hall and Palmquist, 1960).

The only appreciable ground-water flow at the Maxey Flats site occurs through fractures that represent secondary porosity. Pore water is mostly contained within the primary porosity of the rock and moves at much slower rates than the water that flows through the fractures (Pollack and Zehner, 1981).

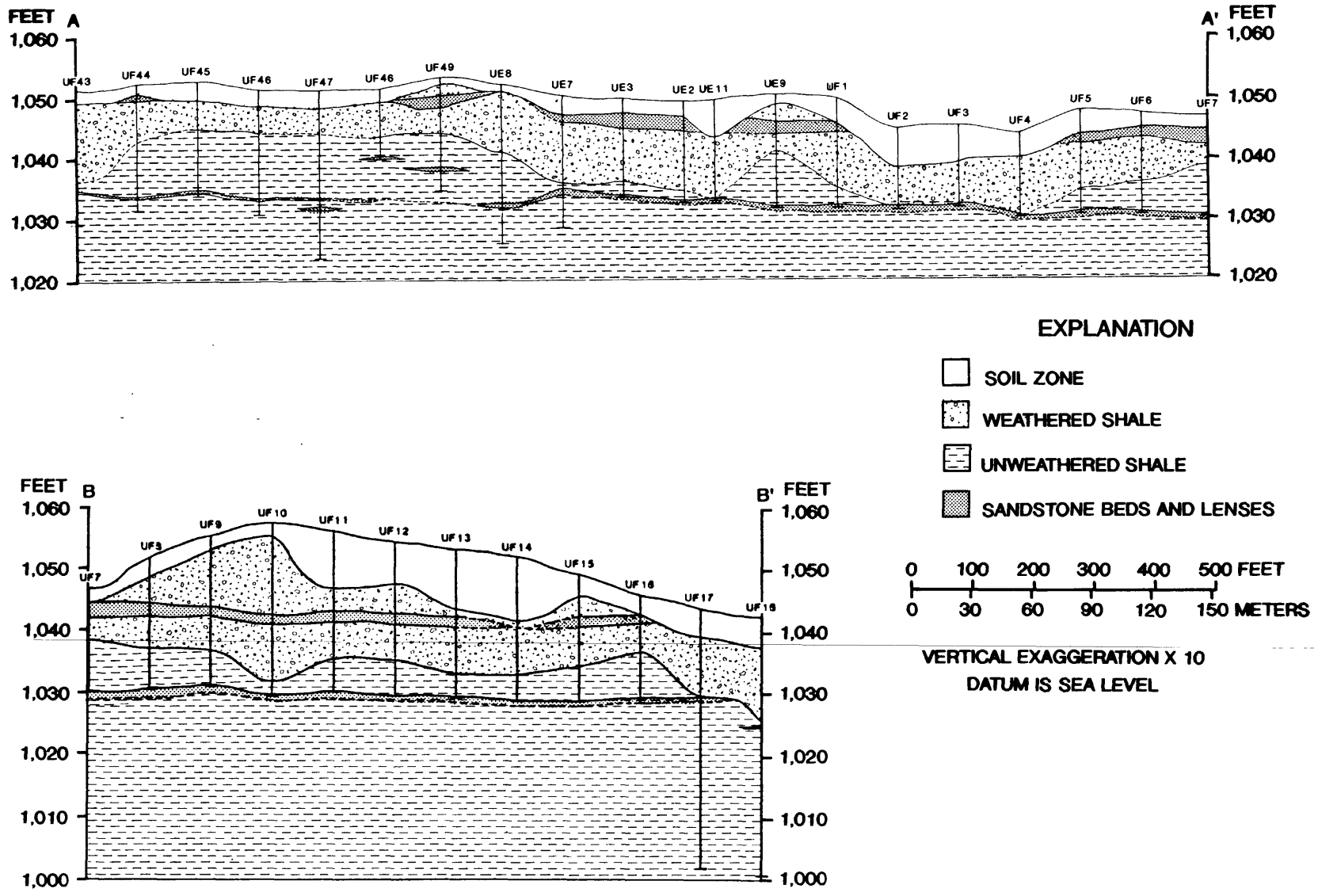


Figure 6.--Geologic sections of Nancy Member of Borden Formation, A-A' and B-B'.

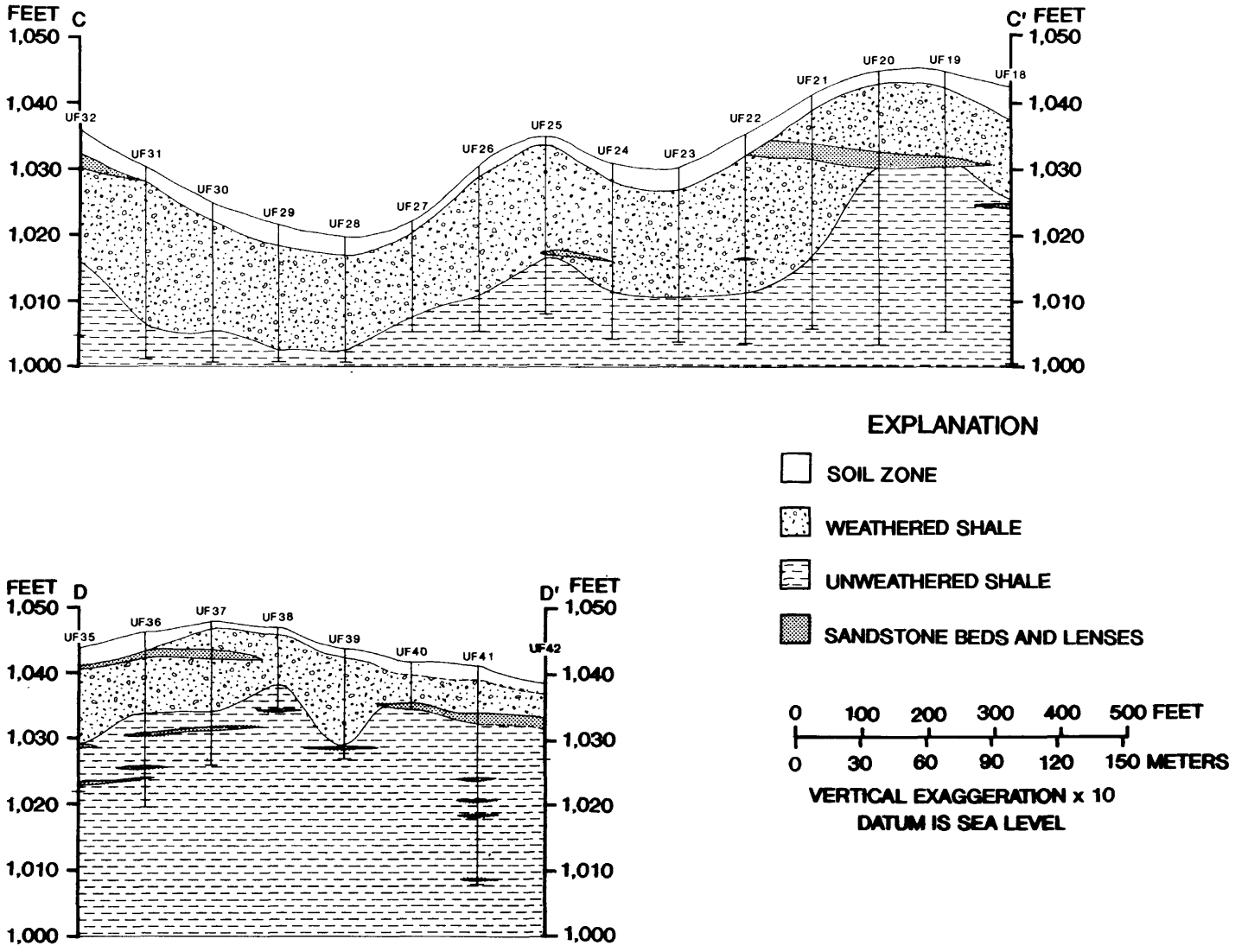


Figure 7.--Geologic sections of Nancy Member of Borden Formation, C–C' and D–D'.

The ground-water system has several saturated and unsaturated sequences in the rocks underlying the site. Zehner (1983) reported that the sandstone bed approximately 15 ft below the land surface in the Nancy Member was saturated. The underlying unweathered part of the Nancy Member was saturated in some areas and unsaturated in other areas. Similar conditions were determined for the upper part of the Farmers Member, but the lower part of the Farmers Member was saturated.

Recharge of ground water to the Nancy Member is by infiltration of precipitation. Zehner (1983) stated that because of unsaturated intervals in the strata, many months were probably required for infiltration of precipitation at the Maxey Flats site to change water levels in the rock units underlying the Nancy Member. However, a change in water level apparently occurs almost simultaneously in the Nancy Member and the Ohio Shale. Ground-water flow through the unsaturated zones at the site had both vertical and horizontal components. Flow was predominately vertical in the unweathered part of the Nancy Member, the lower part of the Farmers Member, and the Bedford Shale. It was predominately lateral through the upper part of the Farmers Member, the Sunbury Shale, and the Ohio Shale (Zehner, 1983). Pollack and Zehner (1981) described a sandstone bed of the Nancy Member, approximately 15 ft below the land surface, as the major conduit for ground-water flow at the site. Zehner (1983) reported that the predominant component of flow in the sandstone bed was unknown, but Lyverse (1986) reported that water moved horizontally through this sandstone bed.

Ground-water discharge occurs along outcrops and seeps on the side of the ridge and surface water drains from the site to Drip Springs Hollow to the west, Rock Lick Creek to the south, and an unnamed stream to the east. Surface flow is intermittent in all these streams, but pools in the stream channels indicate that ground water discharges to the surface.

At least one ground-water divide is present along the northeast-southeast topographic axis of the Maxey Flats ridge (Zehner, 1983). This ground-water flow boundary extends from well UF12 to the UB series wells (fig. 3) and continues less-well-defined to the southwestern perimeter.

GROUND-WATER LEVELS

Because ground-water flow at the Maxey Flats site is through fractures in the Nancy Member of the Borden Formation, flow paths are difficult to delineate. Also, because of saturated and unsaturated zone sequences in the rocks underlying the Maxey Flats site, it is difficult to determine the configuration of the potentiometric surface. The following discussion on ground-water levels is primarily limited to describing water-level fluctuations in the Nancy Member.

Levels in Wells

In general, ground-water levels in wells UK1, UK2, UE2, and N2B on the northwestern perimeter of the restricted area fluctuated seasonally. Levels were the lowest from December through June and the highest from July through November (figs. 8 and 9; table 3, at the back of the report). This seasonal fluctuation also was reflected in well UG1, inside the restricted area near the northwestern perimeter (fig. 10 and table 3).

Conversely, in Walker 8, which is inside the restricted area but toward the northeastern perimeter, water levels were lowest from June through November and highest from December through May (fig. 10). There are several possible explanations why Walker 8 reflected different cyclic fluctuations:

1. Walker 8 is separated by a ground-water divide from the other wells;

2. Wells N2B, UK1, UK2, UG1, and UE2 are all completed in the sandstone bed considered the major conduit for ground-water flow in the Nancy Member, with the screens set in the sandstone and overlying shale (table 4). Walker 8 was drilled to a depth of 41 ft and completed in shale with no screen (Walker, 1962). Because it is open to a different and deeper rock unit, the well might have exhibited a time lag for recharge from precipitation to influence the water level;

3. The well casing at Walker 8 was not cemented at the ground surface and surface water seeped into the borehole. Over the years, sediment had filled the bottom of the well and the depth was reduced to 28.2 ft. Walker 8 might not have a good hydraulic connection to the shale formation;

4. Walker 8 is near trench 49, which has a PVC cover limiting infiltration of water in the vicinity of the well.

With the exception of Walker 8, the maximum and minimum water levels for each well with continuous record were not significantly different from year to year.

In 1986, trench 49 was excavated near Walker 8 and the water level in the well declined 3 ft (fig. 10). Following this decline the water level remained fairly stable from year to year. The decline of water level in UE2 (fig. 9) of 1.5 ft from 1984 to 1985 might have reflected the effect of limiting the infiltration of precipitation into the trenches and subsequent migration of ground water through the sandstone bed.

Comparison of water-level fluctuations and precipitation data indicated that fluctuation of water levels in the Nancy Member was directly related to rainfall (fig. 11; table 5, at the back of the report). This indicated that recharge to the ground-water system to the Borden Formation was from precipitation.

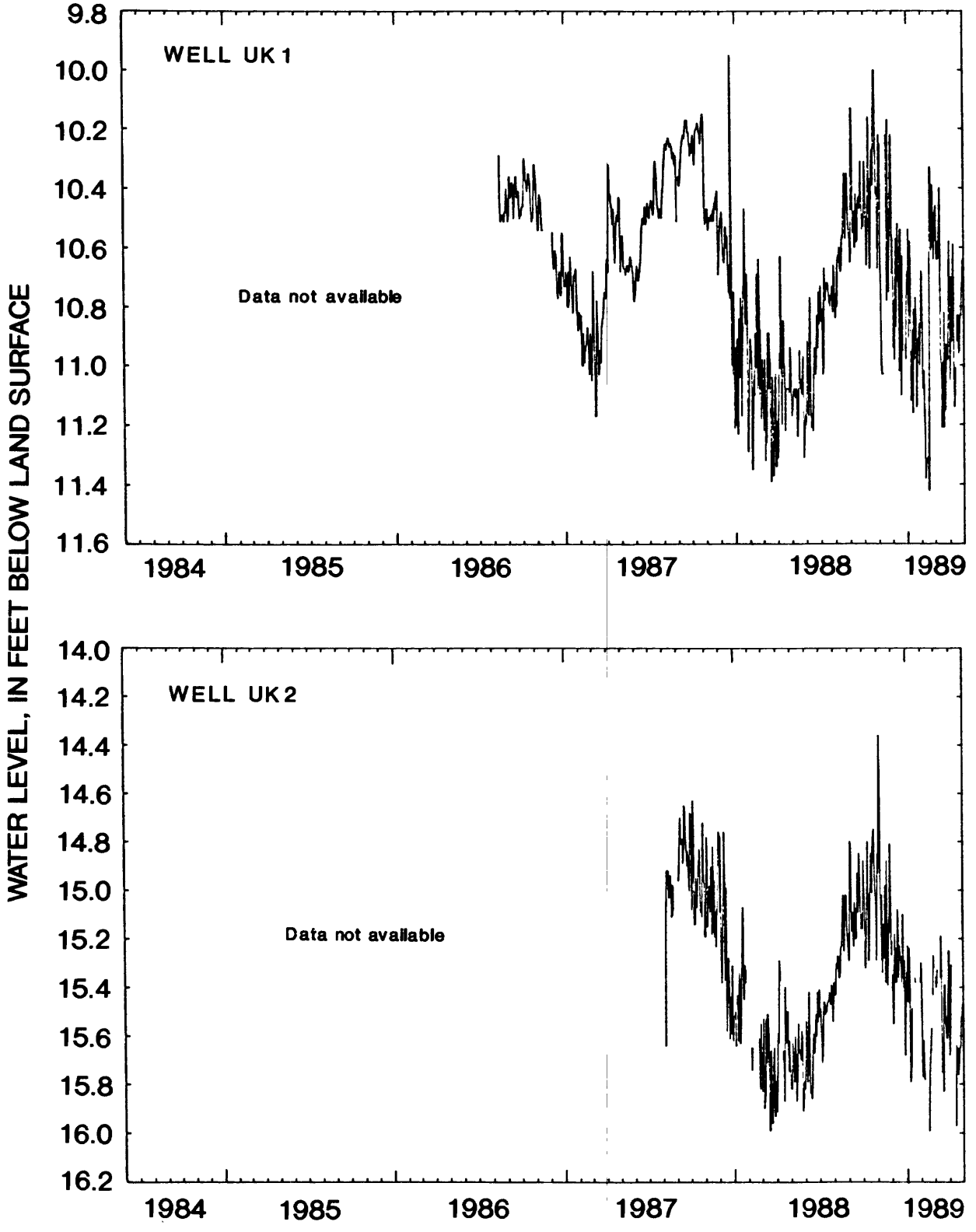


Figure 8.--Mean daily water levels in wells UK1 and UK2, June 1984–April 1989.

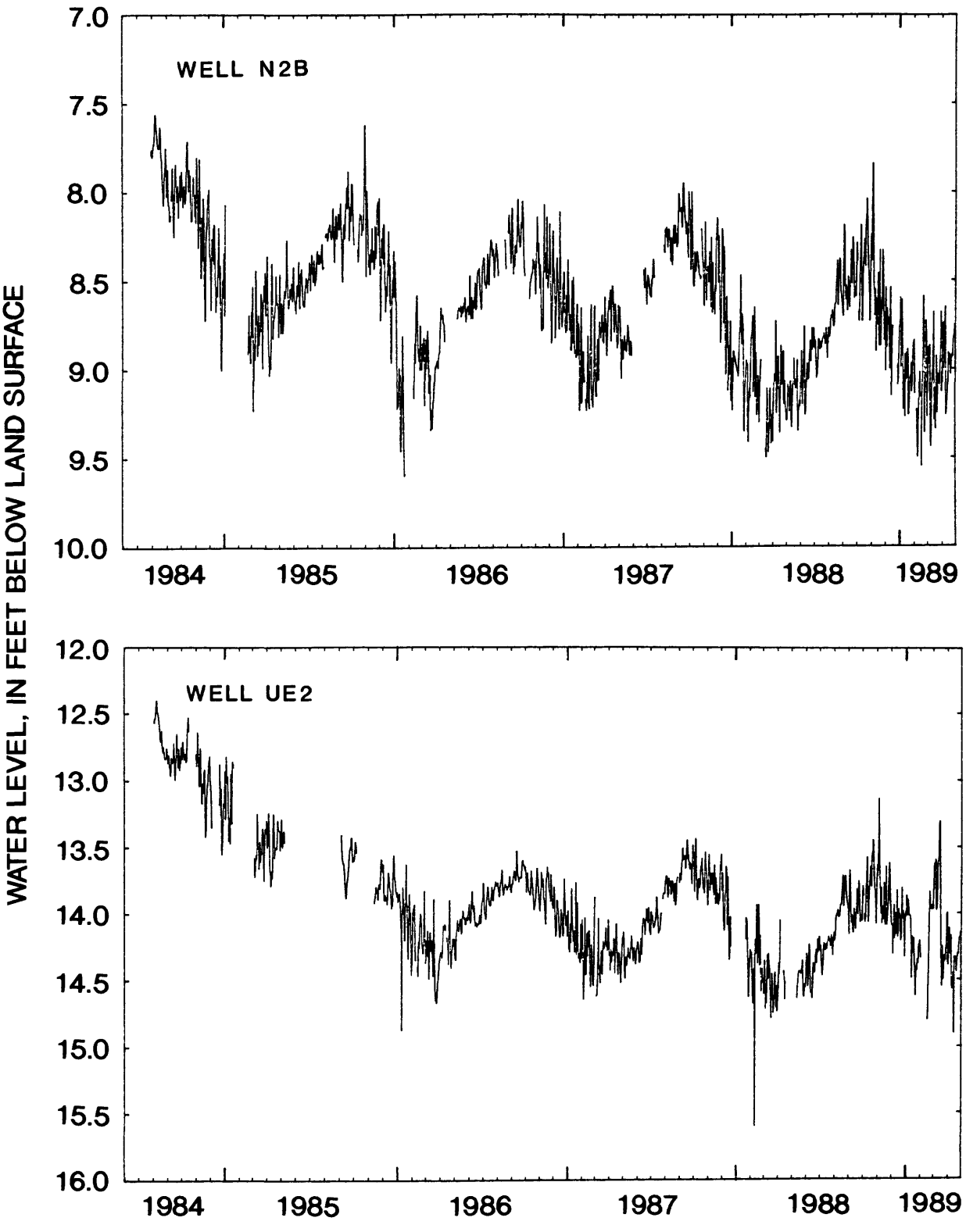


Figure 9.--Mean daily water levels in wells N2B and UE2, June 1984-April 1989.

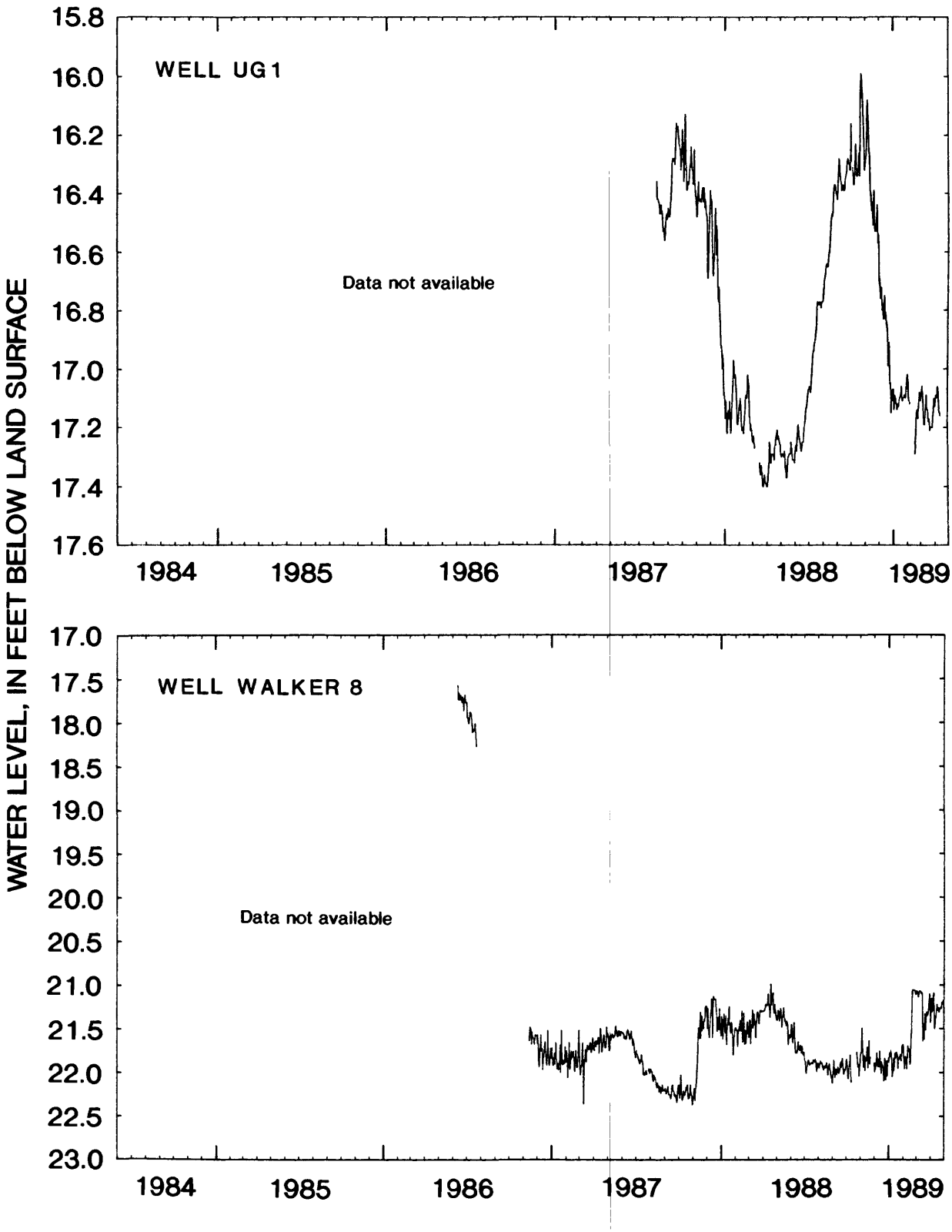


Figure 10.--Mean daily water levels in wells UG1 and Walker 8, June 1984-April 1989.

Table 4.--Records for wells UK1, UK2, N2B, UE2, UG1, and Walker 8

Well	USGS Site number	Depth of well, in feet,	Altitude of land surface, in feet above sea level	Date drilled	Casing material	Depth to bottom of casing, in feet	Depth to top of rock unit, in feet	Depth to bottom of rock unit, in feet	Lithology
UK1	381539083341902	12.6	1,046.2	08-13-86	PVC	10.2	0.0	2.0	Topsoil
							2.0	7.0	Shale
							7.0	11.9	Shale
							11.9	--	Sandstone
UK2	381538083341901	17.3	1,051.0	08-14-86	PVC	15.3	.0	3.9	Shale
							3.9	5.8	Sandstone
							5.8	14.0	Shale
							14.0	17.0	Shale
							17.0	--	Sandstone
N2B	381540083342001	9.75	1,044.1	06-13-84	PVC	--	--	--	--
UE2	381538083342002	15.6	1,049.0	07-31-84	PVC	13.6	.0	2.5	Shale
							2.5	5.0	Sandstone
							5.0	15.0	Shale
							15.0	16.2	Shale
							16.2	--	Sandstone
UG1	381540083341601	20.0	1,052.4	06-26-85	PVC	18.0	.0	7.7	Sand and Clay
							7.7	9.0	Sandstone
							9.0	15.0	Shale
							15.0	20.0	Shale
							20.0	--	Sandstone
WALKER #8	381537083341001	28.2	1,052.3	1962	Steel	41.0	--	--	--

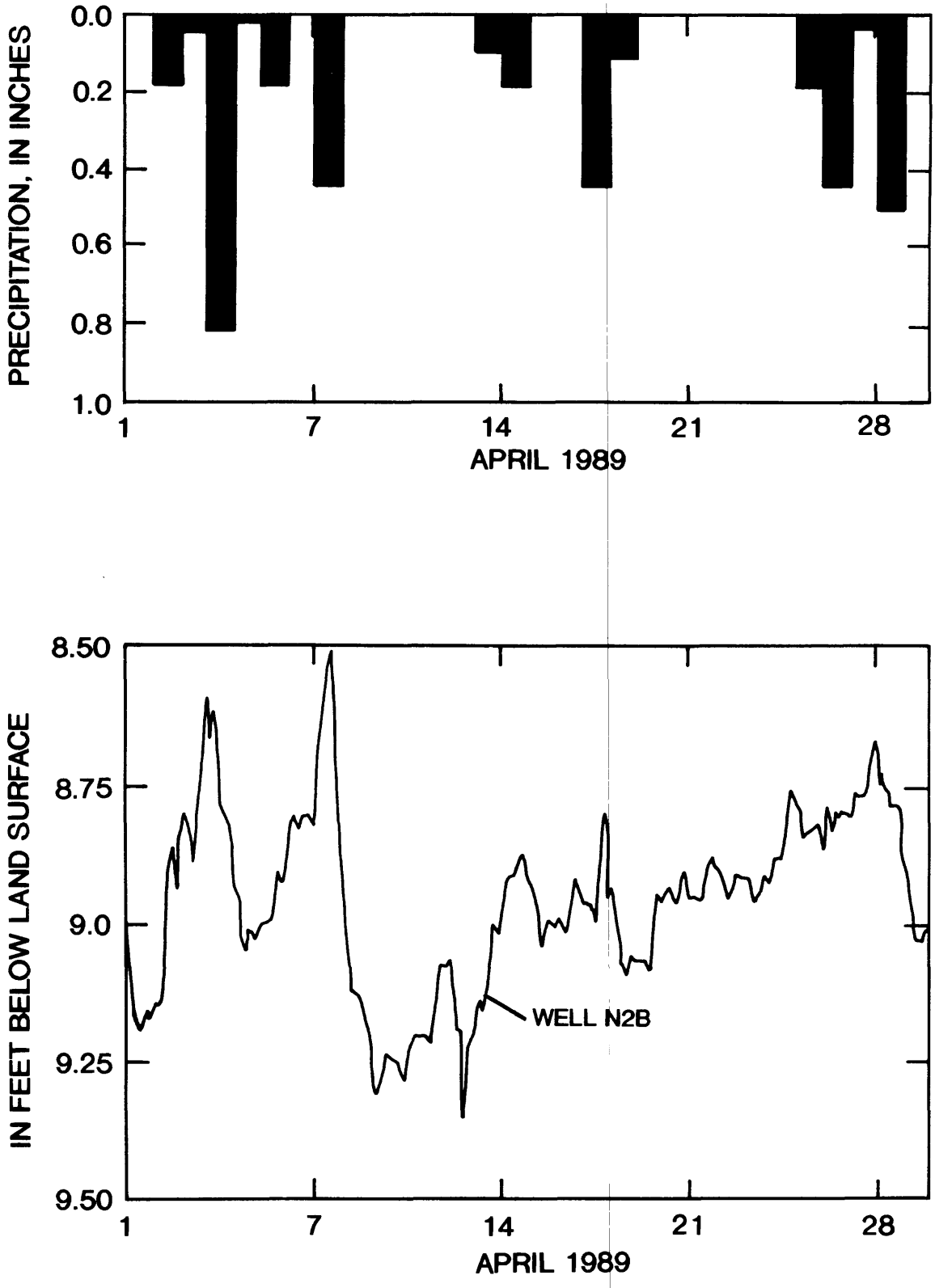


Figure 11.--Daily precipitation at the Maxey Flats site and water levels in well N2B, April 1-30, 1989.

Evapotranspiration, a combination of evaporation from near land-surface soil and transpiration from soil by plants, also affects ground-water levels where the water table is near land surface. Zehner (1983) stated that rises in water levels occurred during months of low evapotranspiration, between November and March, and water levels declined during months of high evapotranspiration, between June and November. Since Zehner's observations, the PVC cover had been installed over approximately 25 acres of previously vegetated land. Presently, water levels tend to decline from December through June and tend to rise from July through November (figs. 8, 9, and 10).

Three characteristic hydrographs show fluctuations of water levels for the wells that were measured monthly (fig. 12). The first characteristic hydrograph shows little fluctuation of water levels in wells UE7, UF6, UF8, UG5, and UG12 (fig. 12; table 6, at the back of the report). Generally these wells had very little water in the borehole and apparently did not intercept permeable fractures.

The second characteristic hydrograph shows definite fluctuations of water levels in wells UE3, UG2, UG3, UG4, UG6, UG7, UG8, UG9, UG10, UG11, UG13, and 11E (fig. 12 and table 6). With the exception of well 11E, all wells with fluctuations reached peak levels from July through November and low levels from December through June. These fluctuations corresponded with those discussed earlier for wells with continuous water-level record. Fluctuations in well 11E (fig. 12) reached peak levels from March through June and low levels from July through January. All wells with seasonal fluctuations except 11E are completed in the Nancy Member and are screened in a sandstone bed and overlying shale. Well 11E is 50 ft deep and completed in the Farmers Member. Recharge to this deeper rock unit might have exhibited a time lag for precipitation to influence water levels.

The third characteristic hydrograph shows erratic fluctuations in wells UE9, UF2, UF4, UF9, and UF49 (table 6). Possible causes of erratic fluctuations might have been unrecorded pumpage in the well or in a nearby well, or well screens might not have intercepted permeable fractures.

Seasonal fluctuations cannot be shown for all wells measured monthly because several wells were pumped dry on a monthly or quarterly basis (table 2) for the collection of water samples. Water levels in these wells seldom stabilized before being pumped again.

Wells measured semiannually usually had higher water levels in October than in April (table 6). Again this corresponded with the general trend that water levels rose from July through November and declined from December through June.

Levels in Trenches

In general, the water levels in disposal trenches did not fluctuate as much as those in wells. The PVC covering the trenches slowed infiltration and accumulation of water in trenches. Water-level data from 13 of 15 trench

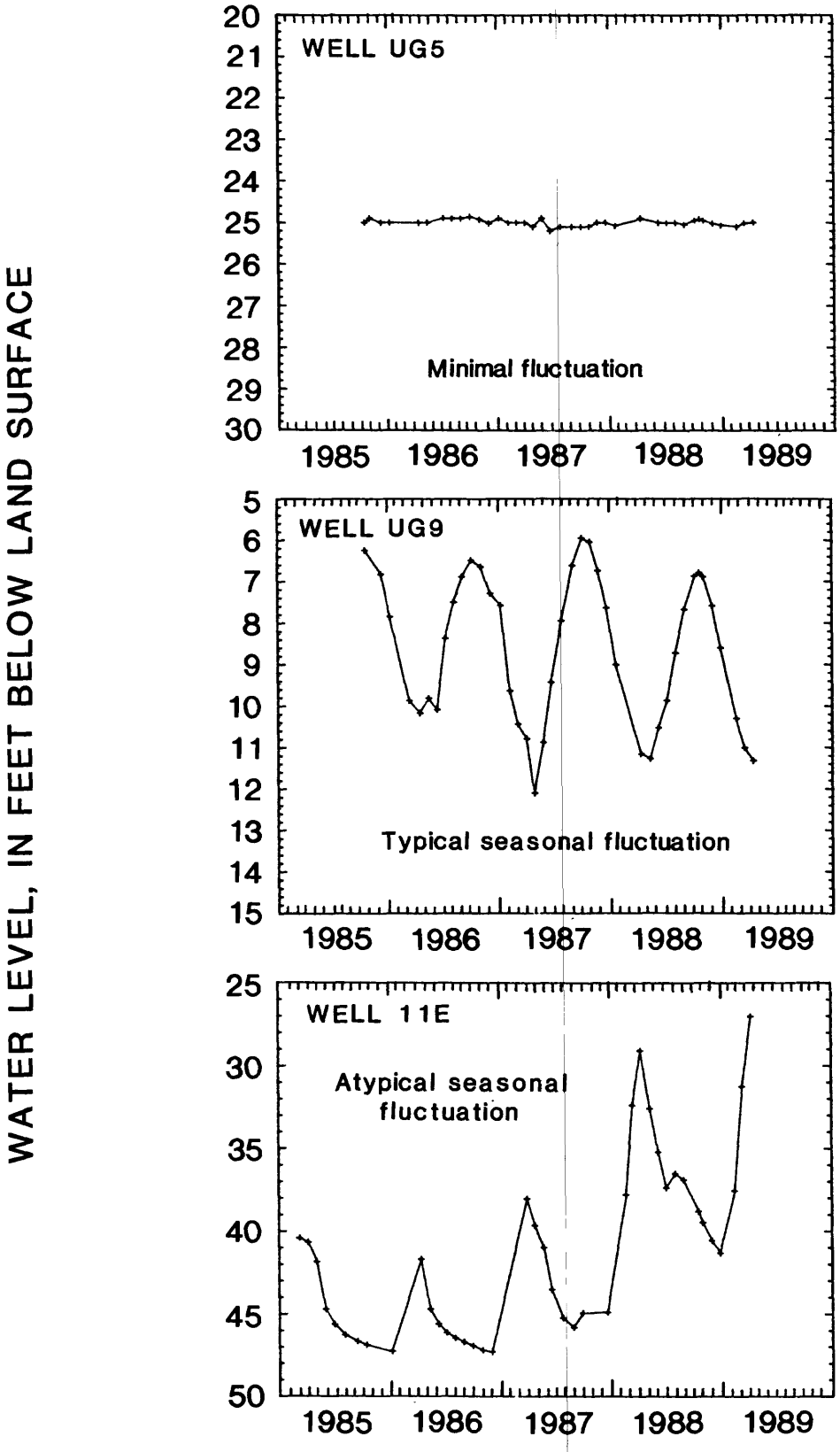


Figure 12.--Characteristic fluctuations of monthly water levels in wells, January 1985–April 1989.

sumps indicated that the levels of water in the trenches were relatively stable and fluctuations were small, generally less than a few tenths of a foot.

From 1986 through 1989, water levels changed less than 0.5 ft in trench sumps in the Western Trench Area. Trench sumps measured in the Western Trench Area include 29-W, 30-M, 31-5, 32-7, 35-2, 35-3, 35-4, 35-6, 35-8, and 36-3 (fig. 4). Although seasonal fluctuations were between 0.3 or 0.4 ft, the water level in trench sump 29-W fluctuated more than water levels in the other trench sumps in the Western Trench Area. Water levels in trench sumps 30-M and 31-5 did not have as pronounced seasonal fluctuations as water levels in sump 29-W (fig. 13; table 7, at the back of the report). The water-level altitude in trench sump 30-M was only 0.2 or 0.3 ft higher than the water-level altitude in trench sump 29-W (fig. 13). The water-level altitude in trench sump 31-5 was only 0.25 ft higher than trench sump 30-M and a downward trend was indicated for the period 1986-89 in both sumps (fig. 13).

The altitude of the water level in trench 32 was several feet lower than the water-level altitude in trenches 29, 30, and 31. Although the water level in trench 32 fluctuated by 0.1 or 0.2 ft, the level exhibited no long-term trend (fig. 14 and table 7). Water levels also were at a lower altitude in trench 35 than at the more southwestern trenches and three of five sumps in that trench (35-2, 35-4, 35-8) had fairly stable water levels (fig. 15 and table 7). Two other sumps in trench 35 (35-3, 35-6) indicated a gradual increase and then stable water levels. Trench 36, the most northwestern trench, had the highest water-level altitude of the trenches in the Western Trench Area and the water level increased by about 0.1 ft during 1986-89 (fig. 14). Although the changes in water levels might have been small, the change in the volume of water might have been substantial because of the size of the trenches.

Water levels in trench sumps 38-2 and 1S in the Central Trench Area and trench sump 40-2 in the 40 Series Trench Area fluctuated in the range of 1.5 to 2.5 ft from 1984 through 1989. Water levels in trench sump 1S fluctuated more than any other trench sump, but the fluctuations were about the same magnitude each year (fig. 16 and table 7). Also, the altitude of the water level was higher in sump 1S than in any other monitored sump. The water level in trench sump 38-2 increased approximately 2.5 ft from 1984 to 1989 (fig. 16 and table 7). Water levels in this trench had not stabilized, by 1989.

Water-level altitudes in trench sump 40-2 were the lowest of all water levels recorded for the trenches (fig. 17 and table 7). Trenches in the 40 Series Trench Area are the deepest and largest of the trenches, and thus, the base of the trenches are at a lower altitude. Since 1987, water levels in trench 40 seemed to have stabilized.

Slit trench 3 and slit trench 4 had fluctuations in water levels of 6 to 10 ft because of pumpage from 1984 to 1989. These slit trenches were not waste trenches and were designed to intercept water. Water from these trenches were evacuated until 1987. Since 1987, the water in the slit trenches had accumulated as indicated by the gradual increase in water levels (fig. 18 and table 7). Levels seemed to be stabilizing in slit trench 4 by 1989, but were still rising in slit trench 3. Water-level fluctuations in the

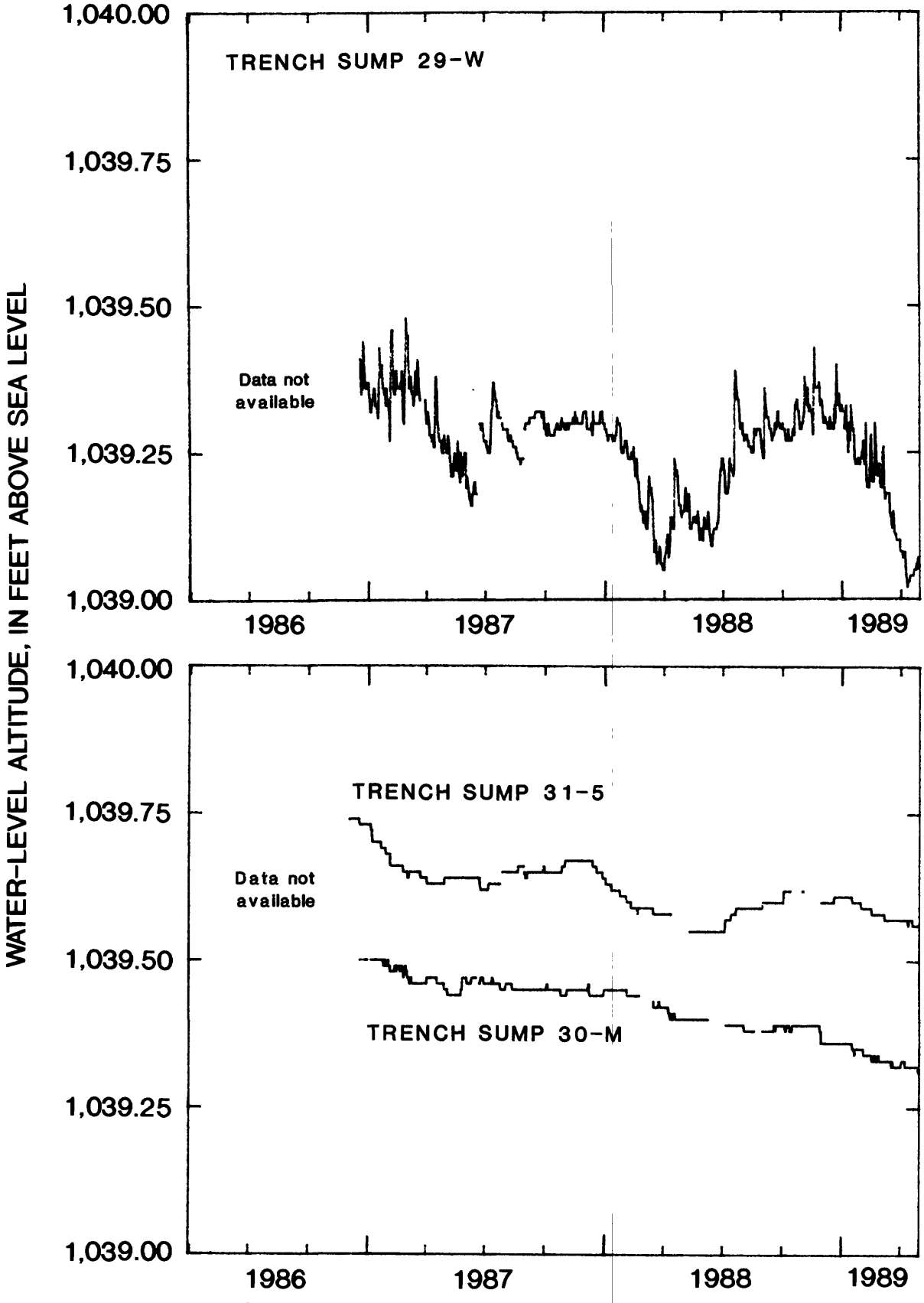


Figure 13.--Instantaneous water-level altitudes at noon in trench sumps 29-W, 31-5, and 30-M, April 1986-April 1989.

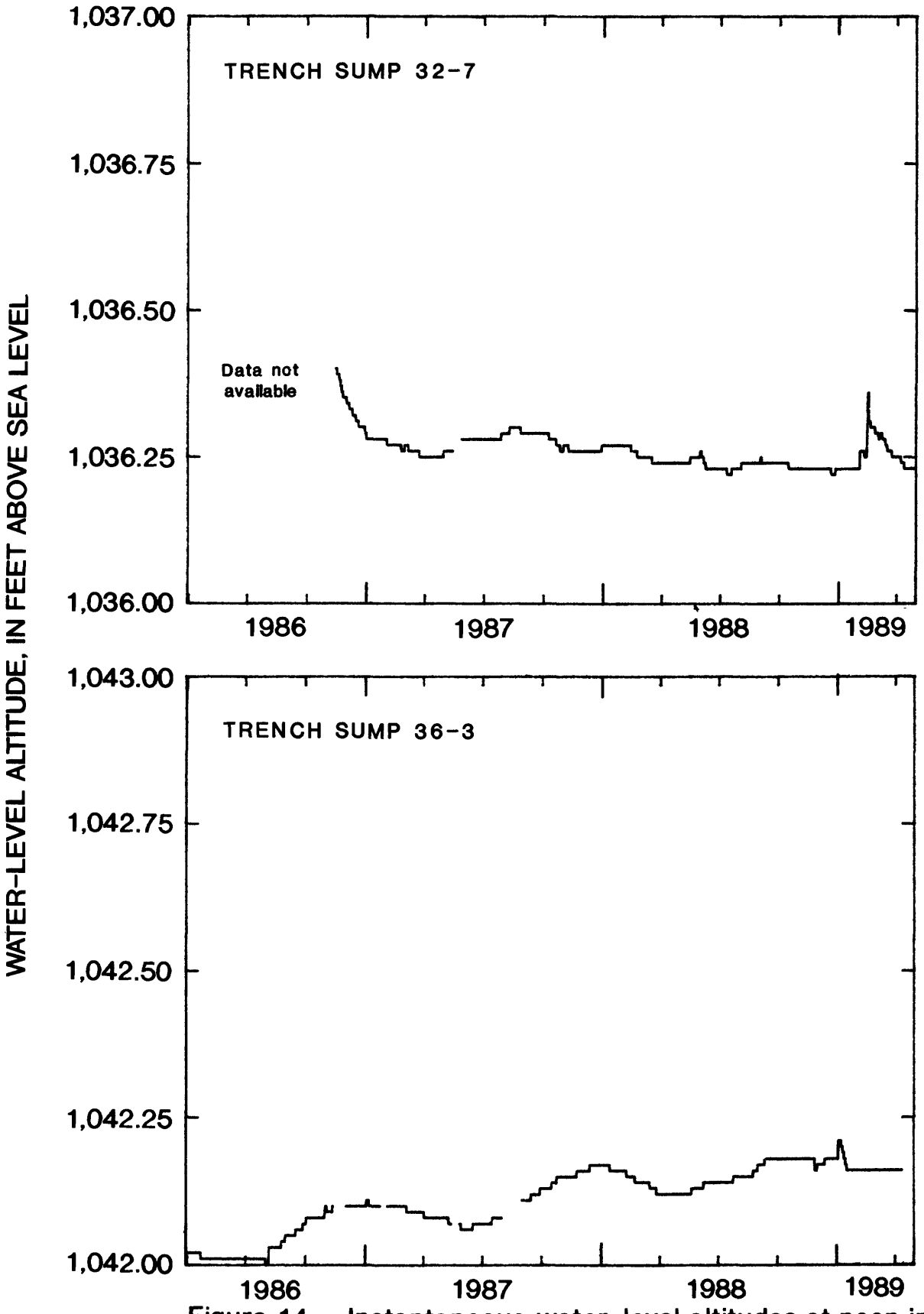


Figure 14.--Instantaneous water-level altitudes at noon in trench sumps 32-7 and 36-3, April 1986-April 1989.

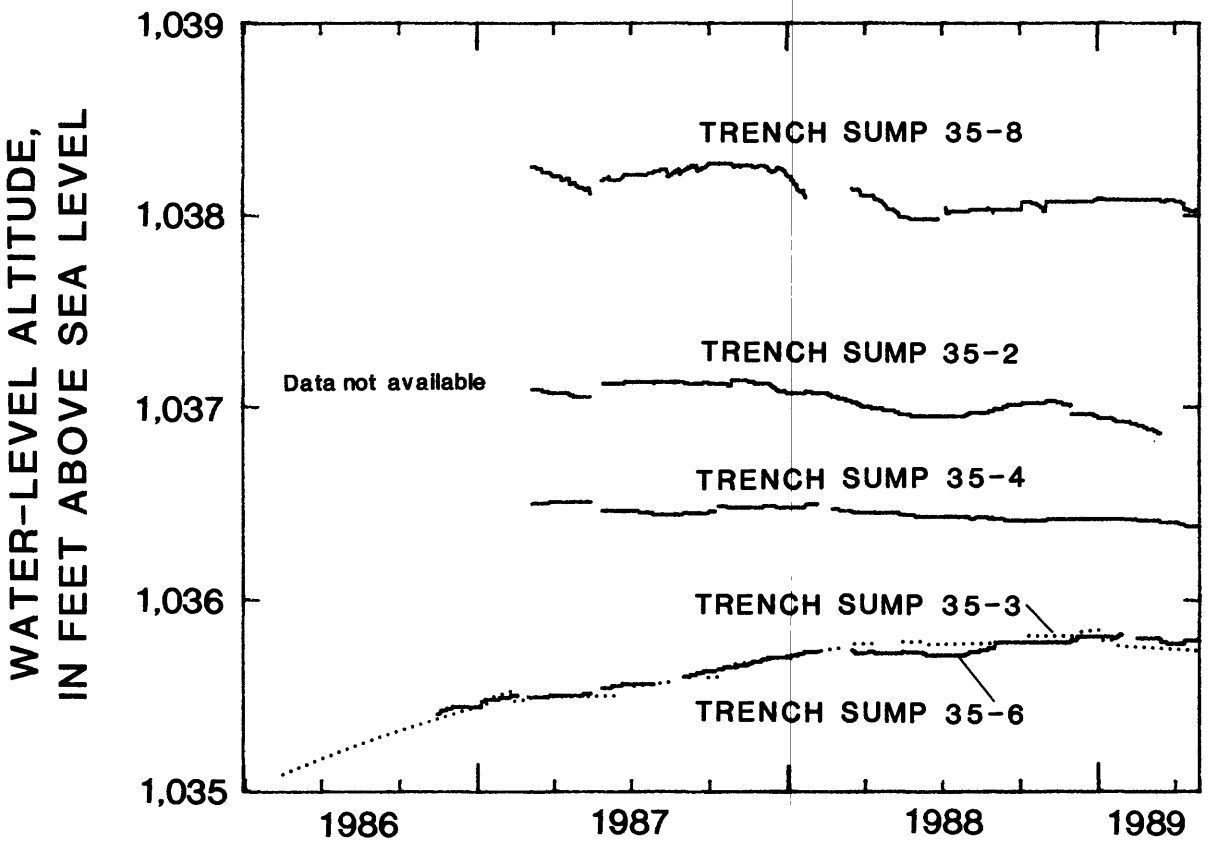


Figure 15.--Instantaneous water-level altitudes at noon in trench sumps 35-2, 35-3, 35-4, 35-6, and 35-8, April 1986-April 1989.

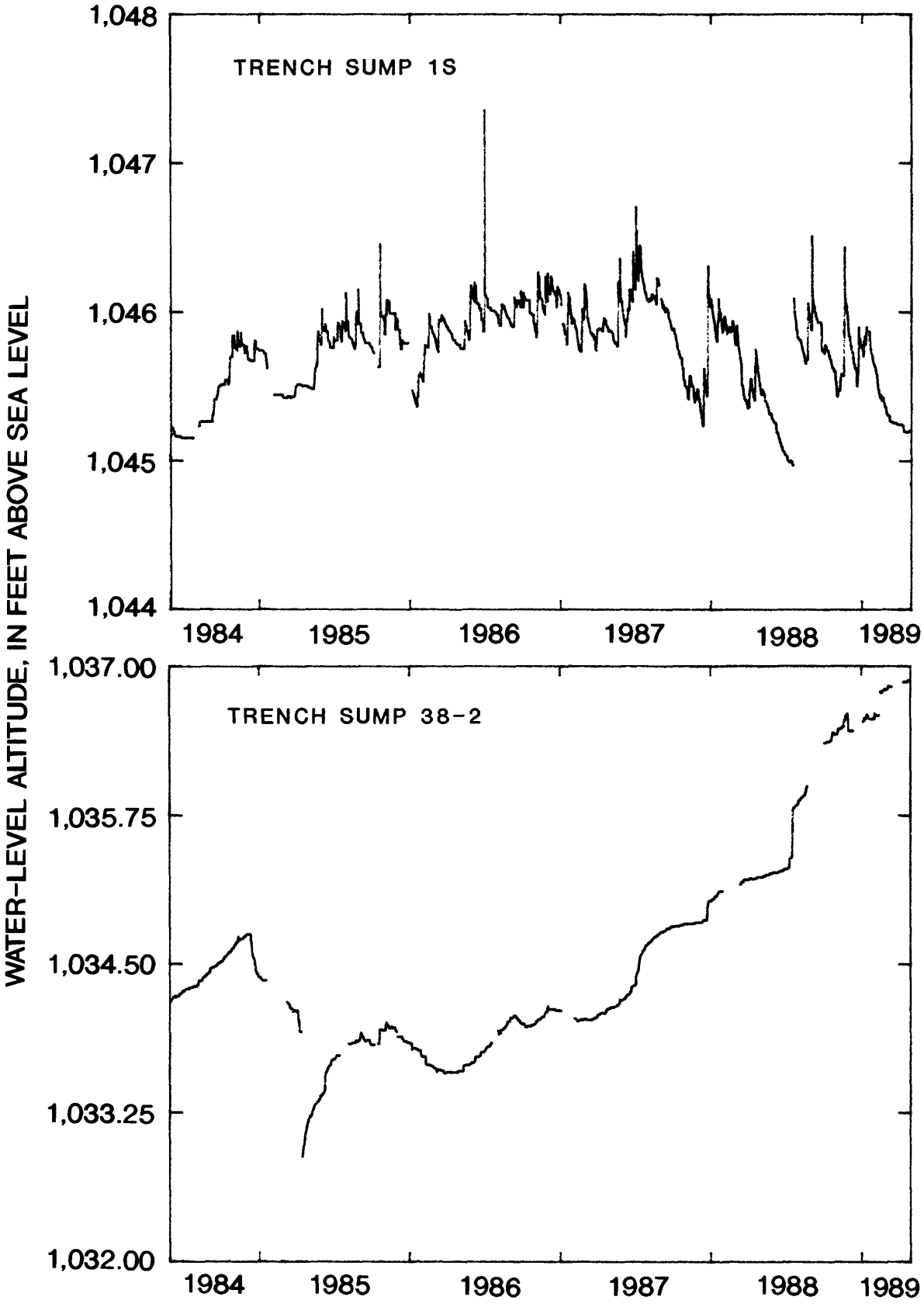


Figure 16.--Instantaneous water-level altitudes at noon in trench sumps 1S and 38-2, June 1984 - April 1989.

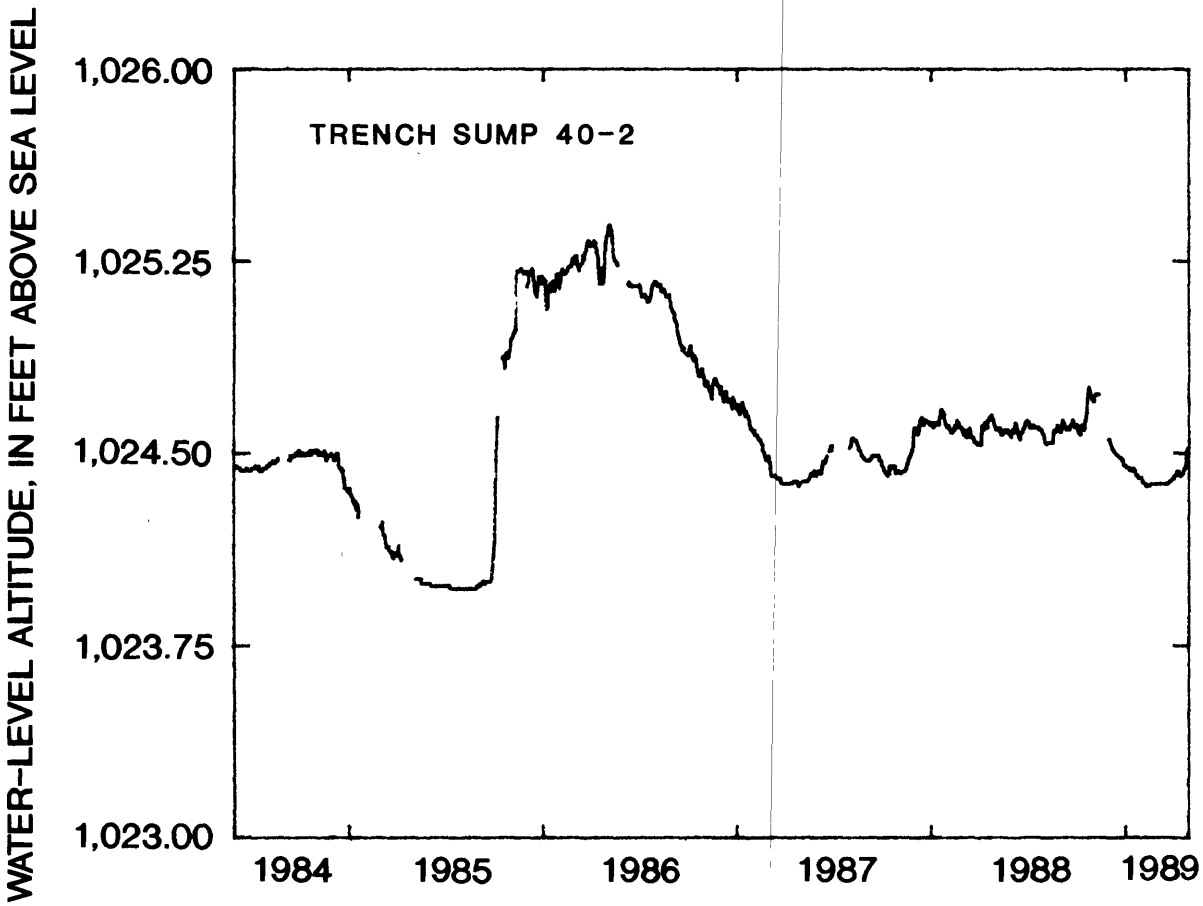


Figure 17.--Instantaneous water-level altitudes at noon in trench sump 40-2, June 1984-April 1989.

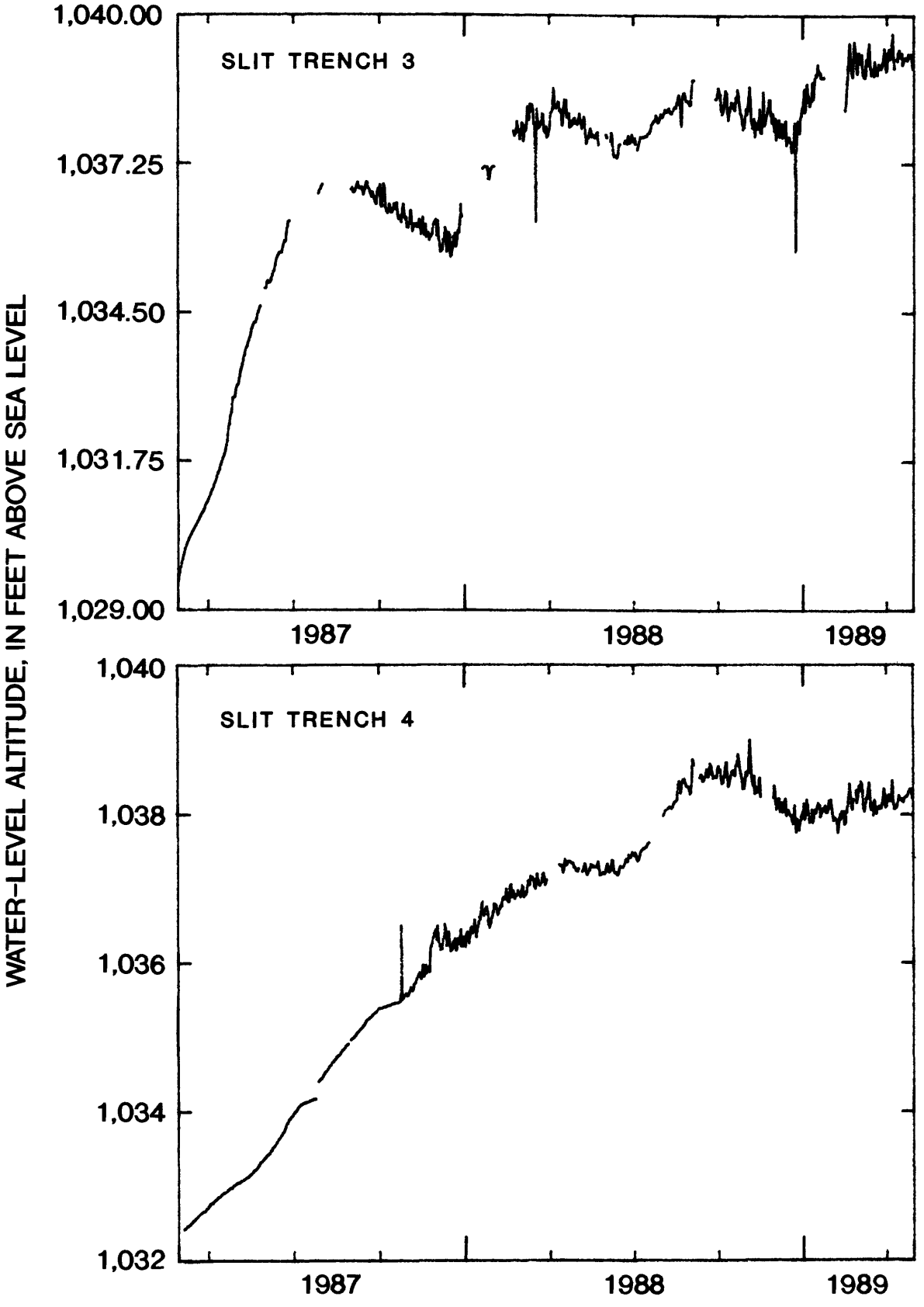


Figure 18.--Instantaneous water-level altitudes at noon in slit trenches 3 and 4, February 1987-April 1989.

slit trenches were similar to those of the wells on the northwestern perimeter of the Maxey Flats site (fig. 19).

Trench 35 was the only trench where data were collected from more than one sump. There are eight sumps in trench 35, and five were monitored for continuous water-level record (fig. 20). Sumps 35-3 and 35-6 in the western part of the trench had similar water-level altitudes (fig. 15). These sumps also reflected the lowest water levels within the trench. Sump 35-4 in the eastern part of the trench had the next highest water levels. Sump 35-2 and 35-8 near the center of the trench had even higher levels. There was a difference of approximately 2 ft in water levels between the western part (sumps 35-3 and 35-6) and the central part (sump 35-8).

There are several reasons why the water levels measured at different locations in a trench might have fluctuated. At the time of disposal, the wastes were deposited in trenches and covered with soil in sections. After a certain amount of waste was placed in a trench, backfill would be added and then more waste would be deposited (Zehner, 1983, p. 52). This type of disposal could have created partitions with different water levels in each partition. Another reason is that partitions could have had different types of waste with different compaction properties that produce different levels of leachate. Also, the methods of construction of the trench sumps varied widely and could have affected the water levels in the sumps. Because the sumps were no longer pumped on a regular basis, debris could have settled in the sumps in varying amounts, which could cause each sump to respond at different rates and magnitudes to changes in water levels outside the sumps.

TRITIUM CONCENTRATIONS

Tritium is the predominant radionuclide in trench water and is widespread in the disposal trenches at the Maxey Flats site (Zehner, 1983). As an isotope of hydrogen, tritium can become incorporated into water molecules and flow with ground water in the form of tritiated water. At the Maxey Flats site, tritium has been used as an indicator of migration of the leachate from the trenches to monitoring sites.

From June 1984 to April 1989, tritium concentrations in wells ranged from 0 to 2,402,200 pCi/mL (table 8, at the back of the report). In general, the highest concentrations of tritium in ground water at the Maxey Flats site were in one of the first three samples evacuated from a recently drilled well. The greatest and most variable tritium concentrations in the study area were in wells along the northwestern side of the site. Tritium concentrations from USGS wells along the other three sides of the restricted area have exhibited little change during this period of study; this was reflected in part by comparing the mean tritium concentrations in 1986 to the mean tritium concentrations in 1988 (figs. 21 and 22; table 9). Most wells along the northeastern, the southeastern, and the southwestern sides of the restricted area had tritium concentrations below the maximum contaminant level of 20 pCi/mL for ground water (U.S. Environmental Protection Agency, 1988).

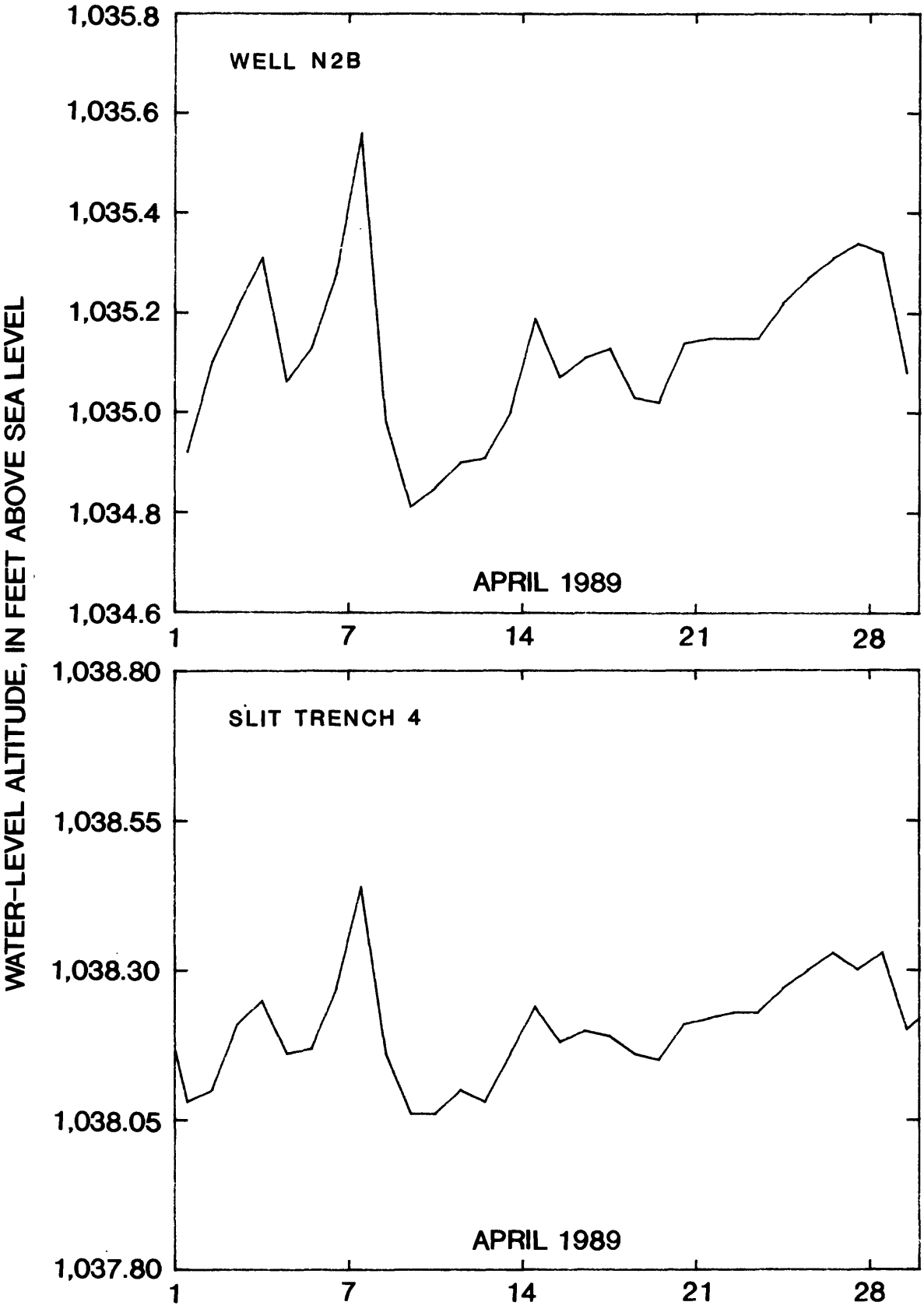


Figure 19.--Daily water-level altitudes in well N2B and slit trench 4, April 1989.

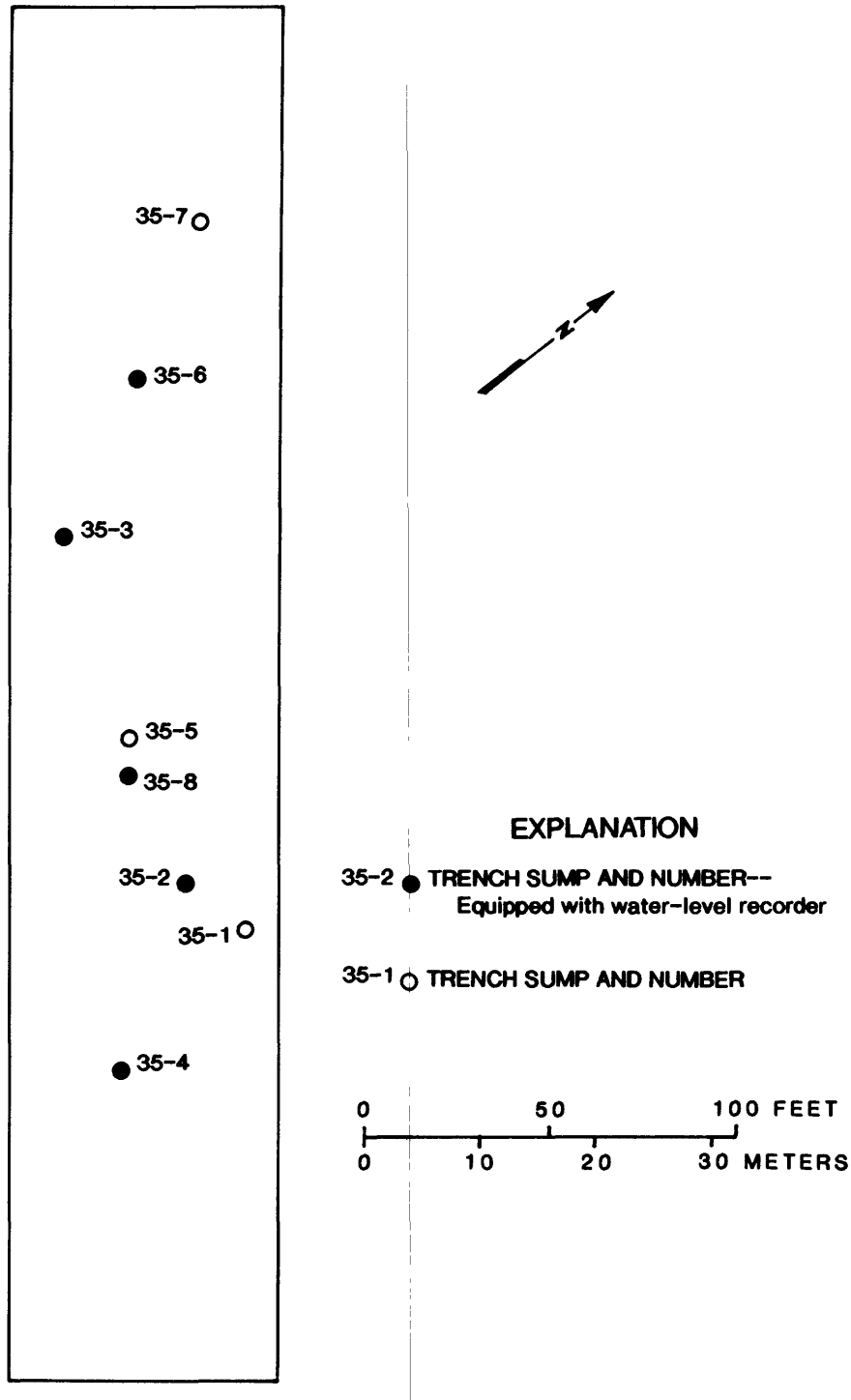


Figure 20.--Location of sumps in trench 35.

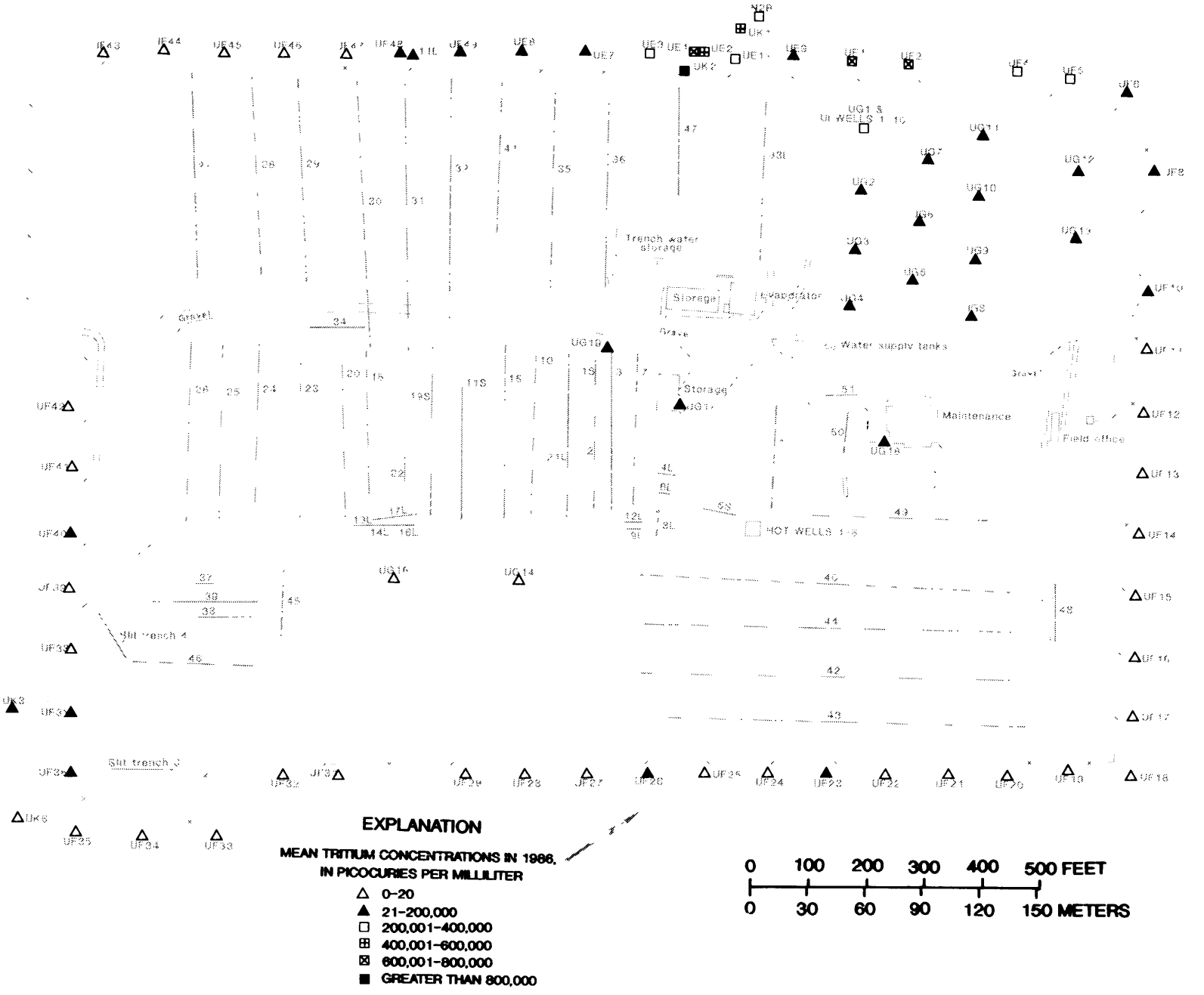


Figure 21.—Mean tritium concentrations in ground water for all wells sampled in 1986.

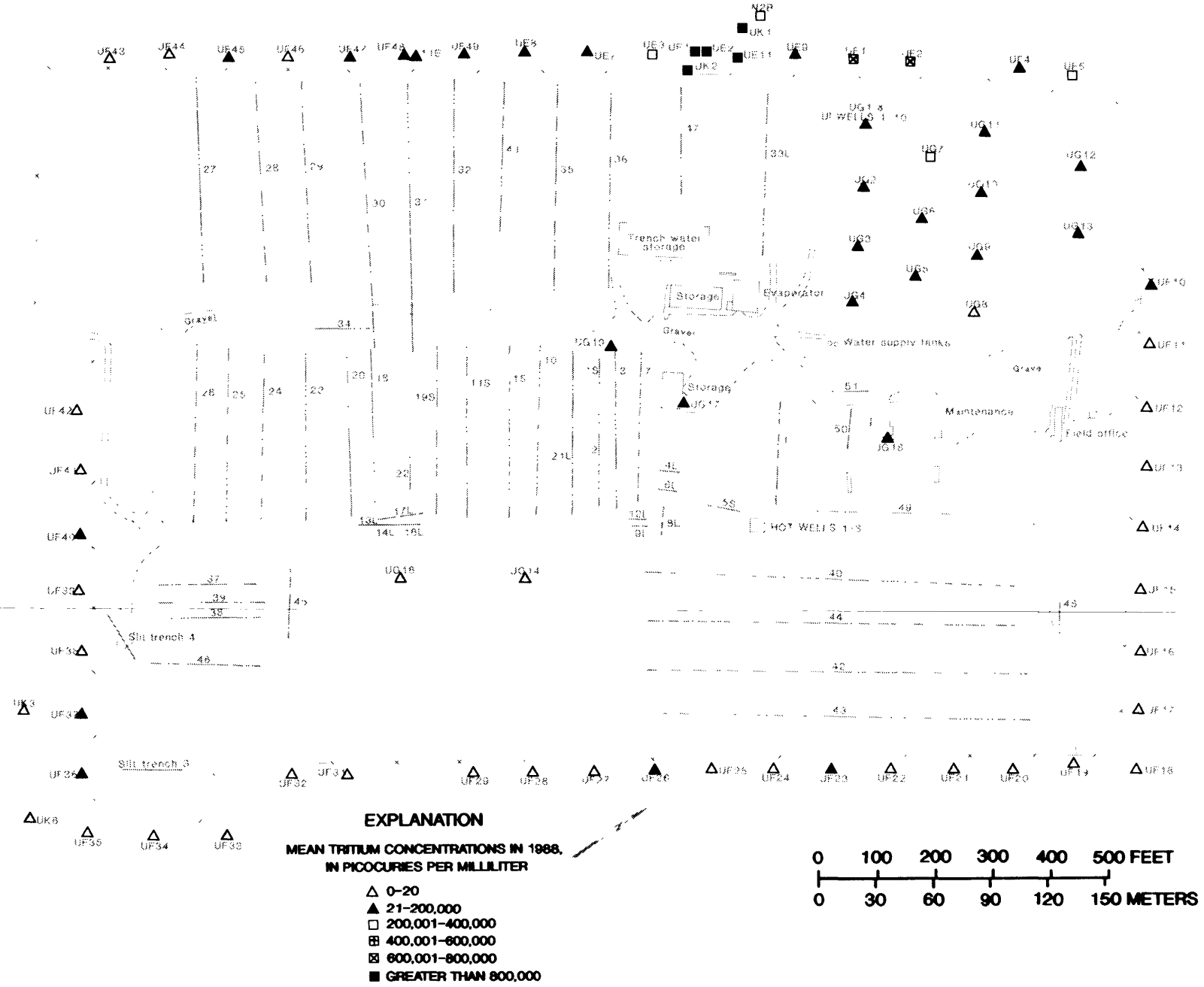


Figure 22.--Mean tritium concentrations in ground water for all wells sampled in 1988.

Table 9.--Annual mean tritium concentrations, in picocuries per milliliter, in wells in 1986 and 1988

[--, no data available]

Well	1986	1988	Well	1986	1988
UE1	687,980	1,527,788	UF41	9.27	5.96
UE2	541,906	921,884	UF42	.77	.84
UE3	278,983	204,685	UF43	.76	.50
UE7	27,863	18,261	UF44	1.58	.74
UE9	32,735	26,482	UF45	8.54	194.47
UE8	44,125	21,920	UF46	.53	.52
UE11	301,702	925,079	UF47	1.56	20.14
UF1	656,879	758,444	UF48	41.96	41.27
UF2	635,026	749,091	UF49	65.64	64.08
UF4	372,840	102,157	UG1	313,190	77,927
UF5	377,597	358,012	UG2	141,914	155,913
UF6	10,843	--	UG3	81.23	129.32
UF8	1,245	--	UG4	190.80	73.53
UF10	789.45	1,168	UG5	108.00	89.86
UF11	2.39	1.78	UG6	2,065	1,784
UF12	5.38	9.44	UG7	121,064	224,010
UF13	1.84	5.06	UG8	45.44	11.24
UF14	3.17	1.47	UG9	60.31	46.26
UF15	2.90	1.86	UG10	11,558	1,911
UF16	.34	.19	UG11	50,831	18,987
UF17	1.04	.51	UG12	195,707	88,257
UF18	.74	.56	UG13	2,299	2,780
UF19	.46	2.26	UG14	9.75	3.29
UF20	1.74	.80	UG16	4.34	4.46
UF21	.30	.24	UG17	181.18	148.76
UF22	16.13	2.20	UG18	72.78	68.20
UF23	45.65	124.40	UG19	128.18	112.24
UF24	4.24	5.29	UI1	602,036	--
UF25	3.70	1.23	UI2	56,039	--
UF26	187.44	171.92	UI3	659,531	--
UF27	2.83	.36	UI4	853,973	--
UF28	2.82	3.79	UI5	356,510	--
UF29	.93	.20	UI6	757,203	--
UF31	.20	.10	UI7	791,111	--
UF32	8.53	5.22	UI8	765,267	--
UF33	2.10	1.82	UI9	231,470	--
UF34	2.16	1.65	UI10	817,142	--
UF35	.80	.33	UK1	577,737	1,014,131
UF36	270.40	40.26	UK2	1,762,150	1,226,554
UF37	1,050	996.68	UK3	33.60	.85
UF38	5.74	6.64	UK6	7.65	.88
UF39	.27	.27	N2B	371,736	367,736
UF40	76.62	45.64	11E	46,337	13,526

Northwestern Side

Water samples collected from monitoring wells on the northwestern side of the restricted area had tritium concentrations ranging from 0.19 pCi/mL in well UF46 to 2,402,200 pCi/mL in well UE3. UE3 and all monitoring wells north of UE3 on the northwestern side are completed in the lower sandstone unit shown in figure 6 (geologic section A-A'). Tritium concentrations increased in the vicinity of trenches 36, 47, and 33L and the three covered leachate storage ponds (fig. 23). Tritium concentrations decreased in wells in a northwesterly direction away from the restricted area (fig. 23).

The mean annual tritium concentrations for wells on the northwestern side exhibited an increase between 1986 and 1988 (fig. 21 and 22). Monitoring wells near trench 47 and trench 33L had the greatest increase in tritium concentrations.

Northeastern Side

Wells on the northeastern side of the restricted area are completed in the top of a sandstone unit and the unweathered shale unit of the Nancy Member of the Borden Formation (fig. 5, geologic section B-B'). Wells UF17 and UF18 are not open to the sandstone bed. Water samples collected from wells along the northeastern side had tritium concentrations as high as 2,111 pCi/mL in well UF10, and as low as 0.13 pCi/mL in well UF13. Tritium concentrations in wells UF11 through UF18, with the exception of well UF14, were consistently less than 20 pCi/mL. The first water sample analyzed from UF14 had an elevated level of tritium of 700 pCi/mL, but all succeeding samples had tritium concentrations less than 20 pCi/mL.

Wells UF8 and UF10 had elevated tritium concentrations greater than 20 pCi/mL during the entire period of study. High tritium concentrations in these wells might have been due to migration of ground water through the sandstone bed from the Western Trench Area.

The UG series wells inside the restricted area had tritium concentrations ranging from 0 in well UG8, to 1,142,700 pCi/mL in well UG1 (fig. 23). Tritium concentrations in wells UG1-UG13 tended to increase in a northwesterly direction. Wells UG1-UG13, with the exception of wells UG5 and UG6, in the northwestern corner of the restricted area are completed in the lower sandstone bed.

Tritium concentrations recorded for wells UG14 and UG16 were less than 20 pCi/mL throughout the period of study. Well UG17 and well UG18 had elevated tritium concentrations greater than 20 pCi/mL. Even though both wells are completed in a sandstone unit of the Nancy Member, wells UG14 to UG19 are in a different drainage area from the UG series wells, UG1-UG13.

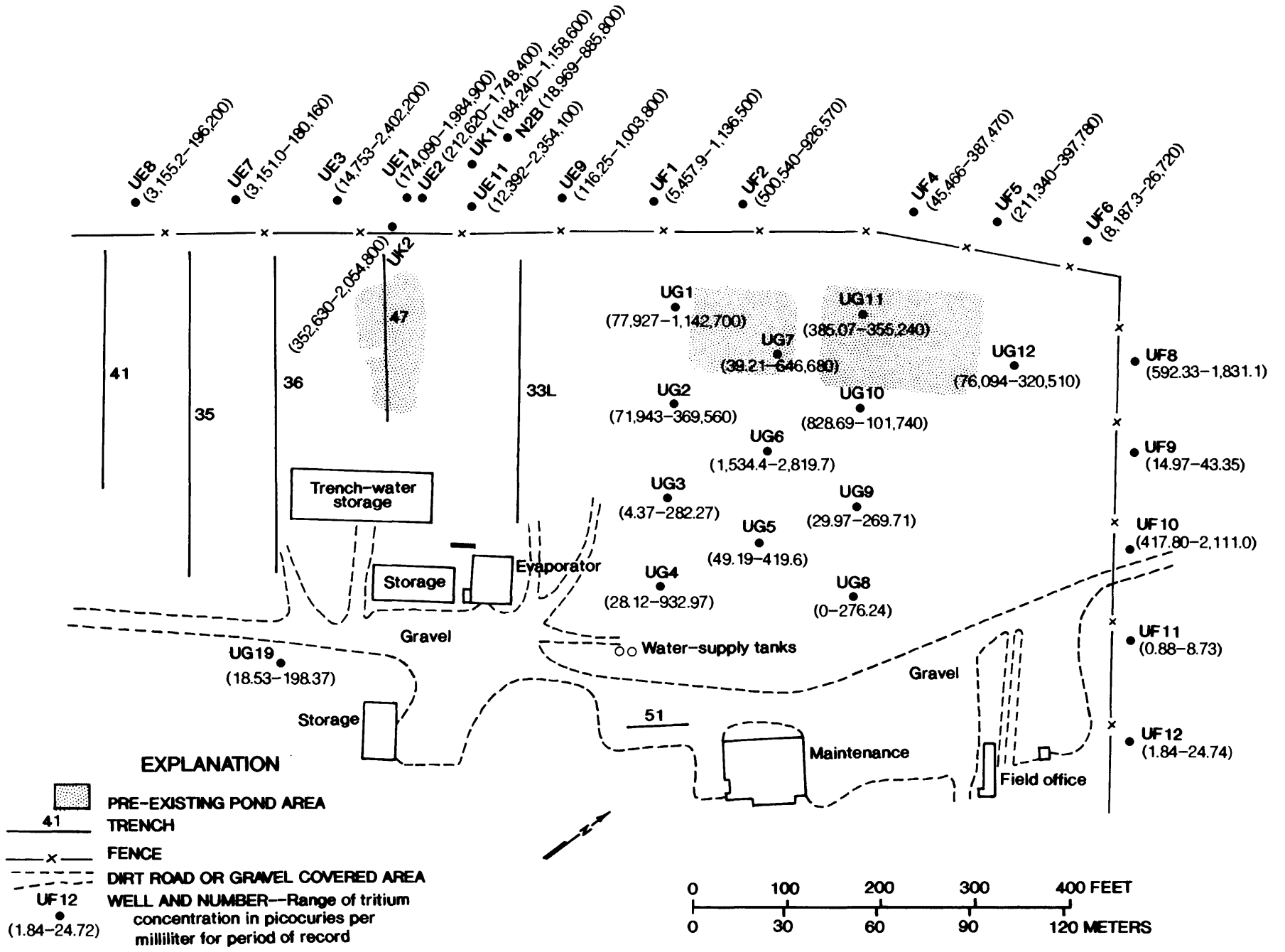


Figure 23.--Range of tritium concentrations in ground-water wells on the northwestern side of the restricted area, June 1984-April 1989.

Southeastern Side

Monitoring wells along the southeastern side of the restricted area had tritium concentrations ranging from 0 to 3,386 pCi/mL. With the exception of wells UF22, UF23 and UF26, the tritium concentrations in these wells were less than 20 pCi/mL during 1986-89. Well UF22 had only one water sample with a tritium concentration greater than 20 pCi/mL. Tritium concentrations have fluctuated and were occasionally greater than 20 pCi/mL in well UF23 but were consistently greater than 20 pCi/mL in well UF26.

Trenches 40, 42, 43, and 44 are excavated to an average depth of 30 ft, and the bases are within several feet of the contact of the Nancy Member and the Farmers Member (Zehner, 1983). It is probable that trench leachate migrated to and through the fractures of the Farmers Member toward the southeastern slope of the study area. Because all monitoring wells on this side of the perimeter are completed in the Nancy Member above the Farmers Member, this could have accounted for the low tritium concentrations in the wells. The elevated tritium concentrations in wells UF23 and UF26 could have been caused by localized fractures or migration of leachate through the sand lens in the immediate vicinity of the wells from the 40 series trenches.

Southwestern Side

Along the southwestern side of the restricted area tritium concentrations ranged from 0.28 pCi/mL in wells UF35 and UF42 to 12,637 pCi/mL in well UF37 during the period of study. Wells UF36 and UF37 had consistently elevated concentrations of tritium compared to other wells on this side of the perimeter. In 1986, tritium concentrations were less than 20 pCi/mL in all wells except for wells UF36, UF37, and UK3. In 1988, only wells UF36 and UF37 had mean annual tritium concentrations greater than the maximum contaminant level of 20 pCi/mL for ground water. With the exception of UF40, which is completed in a sandstone bed, wells on the southwestern side are completed in unweathered shale (fig. 7, geologic section D-D'). Wells UF35 and UF38 are completed in unweathered shale and a sandstone lens.

Wells UK3, UK4, and UK6, south of the UF series wells, had tritium concentrations that ranged from 0.59 pCi/mL in well UK6 to 127.29 pCi/mL in well UK3. The screens in these wells were set in unweathered shale with sandstone lenses. Elevated tritium concentrations along the southwestern side might have been the result of ground water migrating through fractures from trench 37, 38, 39, 46 or slit trenches 3 and 4.

Tritium Concentration and Specific Conductance

The available data did not indicate a correlation between tritium concentration and specific conductance in ground water at the Maxey Flats site. Graphic representation of tritium concentrations and specific conductance in water from selected wells showed similarities in fluctuations; specifically, wells UE1, UE2, UE3, UE8, UE9, UE11, N2B, UK1, UK2, UF1, UF2, and UF5 reflected similarities in fluctuations between tritium concentration and specific conductance. All of these wells are in the northwestern part of the site where the most data are available.

However, the fluctuation of tritium concentration and specific conductance was not always in the same direction. For example, in well UE3 which was drilled to a depth of 15.9 ft and completed in a sandstone bed and overlying shale, tritium concentrations decreased when specific conductance values increased (fig. 24 and table 8). Well UE2, only 100 ft from well UE3 was also drilled to a depth of 15.9 ft and is completed in a sandstone bed and overlying shale. However, in well UE2, when tritium concentrations increased, specific conductance also increased (fig. 24 and table 8). The most common relations between these constituents are (1) tritium concentration fluctuated while specific conductance remained constant or (2) tritium concentration remained relatively constant while specific conductance fluctuated.

Tritium Concentration and Water-Level Fluctuations

Although no general relation can be determined between tritium concentration and water levels from available data, in some wells the tritium concentration decreased when the water level increased. For example, in April 1988 (tables 6 and 8), the tritium concentration in well UG19 was 198.37 pCi/mL and the water level was 20.00 ft below land surface. In October 1988, the tritium concentration decreased to 26.12 pCi/mL and the water level rose to a level of 17.72 ft below land surface. These data indicated dilution, but this relation was not true for all wells. For example, in July 1987, the tritium concentration in well UE3 was 38,205 pCi/mL and the corresponding water level was 13.68 ft below land surface. In September 1987, the tritium concentration increased to 128,990 pCi/mL and the water level rose to 13.56 ft below land surface.

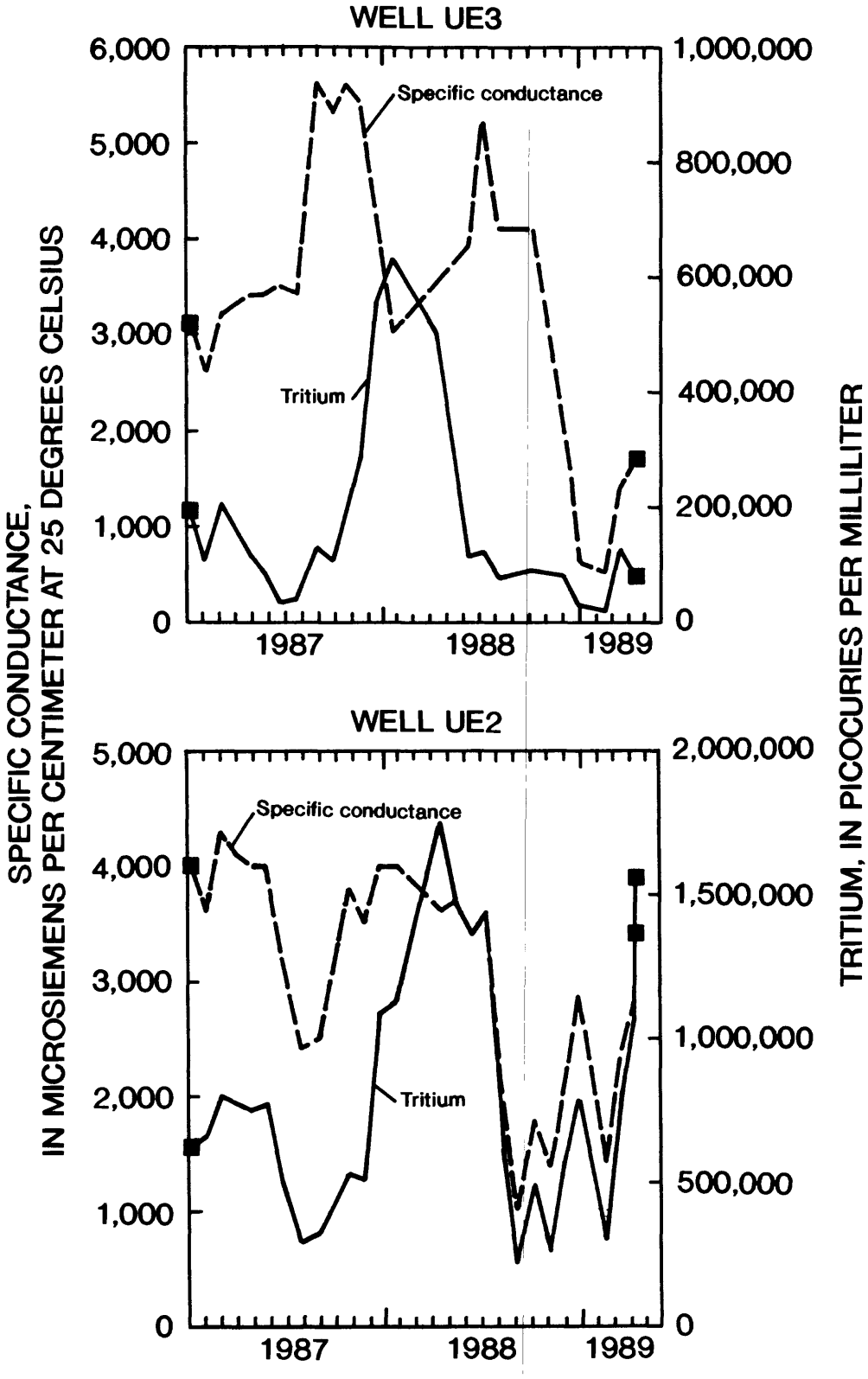


Figure 24.--Monthly tritium concentrations and specific conductance in wells UE2 and UE3, January 1987-April 1989.

SUMMARY AND CONCLUSIONS

Water levels and the occurrence of tritium in ground water were studied at the Maxey Flats Low-Level Radioactive Waste Disposal site in northeastern Kentucky near the city of Morehead. Water-level data and water samples were collected from June 1984 to April 1989 from 123 wells and 15 trench sumps.

In the study area, the topography is a series of conical hills and flat-topped ridges. The site is near the edge of a flat-topped ridge underlain by near-surface rocks of shale and sandstone of Mississippian age. Ground water flows primarily through fractures in the shale and sandstone, and saturated and unsaturated zone sequences occur in the strata beneath the site. A fractured sandstone bed in the Nancy Member of the Borden Formation is considered the major conduit for the movement of ground water to areas of discharge along the sides of the ridge.

During the period of study, ground-water levels in wells completed in the Nancy Member were the lowest from December through June and the highest from July through November. The seasonal fluctuations were similar from year to year. Wells that did not have seasonal fluctuations apparently did not intercept permeable fractures in the sandstone or shale units. Wells completed in the Nancy Member of the Borden Formation responded to rainfall with a rise in water levels. This indicated that recharge to the ground-water system was from precipitation.

The commercial disposal facility began operation in 1963. When the site was closed in 1977, enough water had accumulated in some trenches to move and transport radionuclides from the trenches. In 1981, a PVC cover was installed over the trenches to limit infiltration and accumulation of water. Water levels in trenches at the site did not fluctuate as much as those in wells. Water-level data from 13 of 15 trench sumps indicated that the level of water in the trenches was relatively stable and fluctuations were small, generally less than a few tenths of a foot. Trench 35 had five sumps from which water-level data were collected. Data from these sumps indicated that the water levels varied between partitions in a trench. Water-level data from slit trenches 3 and 4, designed to intercept water, indicated that water-level fluctuations in these two trenches were similar to fluctuations in wells.

Water samples were collected from all USGS wells except the UA, UB, and UH series wells. From June 1984 to April 1989, tritium concentrations in these samples ranged from 0 to 2,402,200 pCi/mL. The greatest and most variable tritium concentrations were in wells along the northwestern side of the site. The highest concentration of tritium was detected in well UE3. The base of most disposal trenches in the Western Trench Series are in a fractured sandstone bed in the Nancy Member of the Borden Formation. This fractured sandstone bed was probably the major conduit of ground water migration from the disposal trenches. Elsewhere along the perimeter of the restricted area, elevated levels of tritium were not detected in wells, and the mean tritium concentrations in wells indicated little change between 1986 and 1988.

A consistent relation between tritium concentrations and specific conductance values could not be determined from the available data. Also, a general relation could not be determined between fluctuations of tritium concentrations and water levels.

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Table 3.--Mean daily water levels for wells UK1, UK2, UE2, N2B, UG1, and Walker 8, June 1984 - April 1989

[Water level is in feet below land surface datum; ---, data not available]

Well UK1; USGS Site number 381539083341902; lat 38°15'39", long 83°34'19";
Well depth, 12.6 feet; Land surface datum, 1,046.19 feet above sea level

Water Year October 1985 through September 1986

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	---	---	10.49
2	---	---	---	---	---	---	---	---	---	---	---	10.46
3	---	---	---	---	---	---	---	---	---	---	---	10.36
4	---	---	---	---	---	---	---	---	---	---	---	10.36
5	---	---	---	---	---	---	---	---	---	---	---	10.42
6	---	---	---	---	---	---	---	---	---	---	---	10.43
7	---	---	---	---	---	---	---	---	---	---	---	10.43
8	---	---	---	---	---	---	---	---	---	---	---	10.40
9	---	---	---	---	---	---	---	---	---	---	---	10.38
10	---	---	---	---	---	---	---	---	---	---	---	10.38
11	---	---	---	---	---	---	---	---	---	---	---	10.42
12	---	---	---	---	---	---	---	---	---	---	---	10.50
13	---	---	---	---	---	---	---	---	---	---	10.29	10.46
14	---	---	---	---	---	---	---	---	---	---	10.45	10.42
15	---	---	---	---	---	---	---	---	---	---	10.50	10.39
16	---	---	---	---	---	---	---	---	---	---	10.51	10.38
17	---	---	---	---	---	---	---	---	---	---	10.50	10.36
18	---	---	---	---	---	---	---	---	---	---	10.49	10.41
19	---	---	---	---	---	---	---	---	---	---	10.49	10.43
20	---	---	---	---	---	---	---	---	---	---	10.49	10.42
21	---	---	---	---	---	---	---	---	---	---	10.49	10.41
22	---	---	---	---	---	---	---	---	---	---	10.51	10.41
23	---	---	---	---	---	---	---	---	---	---	10.51	10.45
24	---	---	---	---	---	---	---	---	---	---	10.48	10.49
25	---	---	---	---	---	---	---	---	---	---	10.48	10.50
26	---	---	---	---	---	---	---	---	---	---	10.48	10.48
27	---	---	---	---	---	---	---	---	---	---	10.41	10.49
28	---	---	---	---	---	---	---	---	---	---	10.40	10.49
29	---	---	---	---	---	---	---	---	---	---	10.46	10.47
30	---	---	---	---	---	---	---	---	---	---	10.49	10.46
31	---	---	---	---	---	---	---	---	---	---	10.51	---
Mean	---	---	---	---	---	---	---	---	---	---	---	10.43
Max	---	---	---	---	---	---	---	---	---	---	---	10.50
Min	---	---	---	---	---	---	---	---	---	---	---	10.36

Table 3.--Mean daily water levels for wells UK1, UK2, UE2, N2B, UG1, and Walker 8, June 1984 - April 1989--Continued

[Water level is in feet below land surface datum; ---, data not available]

Well UK1; USGS Site number 381539083341902; lat 38°15'39", long 83°34'19";
Well depth, 12.6 feet; Land surface datum, 1,046.19 feet above sea level--Continued

Water Year October 1986 through September 1987

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	10.46	10.50	---	10.72	10.86	10.68	10.67	10.60	10.71	10.50	10.36	10.37
2	10.46	10.52	---	10.68	10.83	10.78	10.68	10.57	10.68	10.47	10.32	10.36
3	10.41	10.54	---	10.71	10.83	10.88	10.50	10.56	10.66	10.46	10.30	10.39
4	10.36	10.54	10.55	10.77	10.91	10.98	10.32	10.60	10.67	10.45	10.27	10.39
5	10.30	10.46	10.62	10.80	10.99	11.02	10.40	10.66	10.69	10.44	10.25	10.38
6	10.32	10.42	10.66	10.80	11.00	11.17	10.42	10.67	10.71	10.45	10.25	10.35
7	10.35	10.43	10.67	10.68	11.00	11.17	10.42	10.67	10.71	10.47	10.26	10.32
8	10.37	10.44	10.66	10.80	10.89	10.97	10.43	10.67	10.70	10.48	10.27	10.29
9	10.38	10.45	10.62	10.79	10.92	10.78	10.45	10.68	10.68	10.49	10.25	10.27
10	10.40	10.50	10.61	10.69	10.97	10.85	10.46	10.69	10.66	10.48	10.24	10.25
11	10.41	10.52	10.62	10.63	10.99	10.92	10.50	10.68	10.65	10.44	10.24	10.24
12	10.40	10.54	10.63	10.66	10.95	10.99	10.52	10.66	10.62	10.36	10.23	10.23
13	10.38	10.54	10.70	10.69	10.95	11.03	10.48	10.66	10.58	10.33	10.24	10.22
14	10.35	---	10.75	10.73	10.93	11.00	10.47	10.66	10.54	10.31	10.25	10.23
15	10.35	---	10.76	10.75	10.93	10.95	10.55	10.66	10.52	10.33	10.26	10.23
16	10.37	---	10.77	10.79	10.90	10.95	10.61	10.68	10.50	10.35	10.26	10.22
17	10.38	---	10.74	10.82	10.87	10.99	10.65	10.68	10.50	10.40	10.25	10.19
18	10.42	---	10.69	10.81	10.88	10.94	10.63	10.67	10.52	10.44	10.26	10.17
19	10.48	---	10.68	10.69	10.95	10.87	10.57	10.64	10.51	10.46	10.26	10.17
20	10.50	---	10.69	10.69	11.02	10.86	10.52	10.63	10.49	10.48	10.29	10.17
21	10.51	---	10.73	10.69	11.03	10.84	10.49	10.64	10.46	10.49	10.30	10.17
22	10.50	---	10.76	10.68	10.94	10.84	10.50	10.66	10.50	10.50	10.28	10.19
23	10.50	---	10.75	10.67	10.89	10.82	10.51	10.66	10.52	10.48	10.28	10.21
24	10.48	---	10.63	10.73	10.95	10.78	10.50	10.66	10.51	10.47	10.31	10.21
25	10.41	---	10.55	10.79	11.00	10.75	10.47	10.68	10.49	---	10.32	10.22
26	10.34	---	10.59	10.82	11.05	10.76	10.43	10.69	10.46	---	10.31	10.24
27	10.32	---	10.66	10.86	10.98	10.76	10.44	10.74	10.45	10.50	10.29	10.27
28	10.34	---	10.71	10.88	10.82	10.77	10.56	10.78	10.46	10.46	10.37	10.29
29	10.37	---	10.73	10.88	---	10.76	10.68	10.78	10.48	10.43	10.51	10.28
30	10.40	---	10.71	10.82	---	10.66	10.62	10.76	10.50	10.41	---	10.25
31	10.45	---	10.73	10.84	---	10.64	---	10.74	---	10.39	---	---
Mean	10.40	---	---	10.75	10.94	10.88	10.51	10.67	10.57	---	---	10.26
Max	10.51	---	---	10.88	11.05	11.17	10.68	10.78	10.71	---	---	10.39
Min	10.30	---	---	10.63	10.82	10.64	10.32	10.56	10.45	---	---	10.17

Table 3.--Mean daily water levels for wells UK1, UK2, UE2, N2B, UG1, and Walker 8, June 1984 - April 1989--Continued

[Water level is in feet below land surface datum; ---, data not available]

Well UK1; USGS Site number 381539083341902; lat 38°15'39", long 83°34'19";
Well depth, 12.6 feet; Land surface datum, 1,046.19 feet above sea level--Continued

Water Year October 1987 through September 1988

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	10.28	10.47	10.50	11.09	10.91	11.22	11.22	11.15	11.04	10.85	10.80	10.65
2	10.28	10.47	10.50	11.20	10.95	11.11	11.15	11.15	10.92	10.82	10.77	10.61
3	10.23	10.47	10.48	10.98	10.95	10.96	10.96	11.09	11.01	10.81	10.80	10.35
4	10.22	10.51	10.52	10.91	11.01	11.05	10.99	11.08	11.16	10.95	10.73	10.13
5	10.25	10.54	10.58	11.17	11.22	11.32	11.01	11.08	11.17	11.03	10.64	10.22
6	10.30	10.51	10.62	11.23	11.35	11.19	10.63	11.08	11.08	11.01	10.63	10.47
7	10.32	10.50	10.64	11.03	11.17	11.26	10.83	11.11	10.92	10.79	10.65	10.55
8	10.28	10.50	10.65	10.84	11.10	11.17	11.11	11.08	10.77	10.67	10.63	10.50
9	10.24	10.51	10.64	10.94	11.05	10.89	11.20	11.08	11.02	10.74	10.60	10.48
10	10.21	10.51	10.60	11.04	11.10	10.95	11.06	11.08	11.21	10.78	10.64	10.58
11	10.20	10.49	10.53	10.99	10.89	11.08	10.85	11.20	11.20	10.75	10.67	10.60
12	10.20	10.49	10.54	10.77	10.90	10.89	10.85	11.24	11.17	10.72	10.68	10.51
13	10.20	10.51	10.60	10.99	11.01	10.98	11.00	11.18	11.20	10.73	10.66	10.42
14	10.18	10.51	10.56	11.17	10.80	10.99	11.00	11.14	11.22	10.74	10.61	10.48
15	10.18	10.48	10.57	10.96	10.69	11.15	11.07	11.04	11.11	10.72	10.56	10.58
16	10.19	10.47	10.64	10.88	10.99	11.29	11.22	10.95	10.97	10.73	10.57	10.57
17	10.21	10.51	10.72	10.73	11.08	11.39	11.10	11.03	10.94	10.75	10.56	10.48
18	10.21	10.48	10.75	10.77	11.03	11.18	11.08	11.08	11.02	10.79	10.46	10.45
19	10.23	10.45	10.74	10.56	10.64	11.04	11.08	11.05	11.03	10.76	10.40	10.43
20	10.25	10.47	10.76	10.47	10.78	11.09	11.08	11.09	11.00	10.80	10.35	10.44
21	10.22	10.44	10.77	10.74	11.10	11.28	11.08	11.10	10.92	10.77	10.50	10.47
22	10.20	10.43	9.95	10.86	10.88	11.37	11.08	11.05	10.83	10.77	10.57	10.40
23	10.18	10.43	10.51	10.70	10.99	11.28	11.08	10.98	10.86	10.77	10.46	10.35
24	10.16	10.41	11.00	10.69	11.17	11.24	11.10	10.97	10.94	10.73	10.40	10.31
25	10.15	10.57	10.86	10.73	11.18	11.07	11.06	11.23	10.82	10.80	10.35	10.46
26	10.19	10.69	10.93	10.96	11.10	11.03	10.94	11.31	10.75	10.82	10.38	10.54
27	10.29	10.66	11.03	11.26	10.98	11.23	11.00	11.26	10.86	10.73	10.45	10.49
28	10.50	10.61	10.75	11.29	11.10	11.34	11.09	11.20	10.83	10.66	10.52	10.49
29	10.51	10.56	10.97	11.16	11.11	11.19	11.11	11.17	10.78	10.68	10.54	10.53
30	10.52	10.52	11.21	11.05	---	11.26	11.17	11.20	10.73	10.79	10.56	10.50
31	10.50	---	10.94	10.98	---	11.31	---	11.18	---	10.84	10.59	---
Mean	10.26	10.51	10.68	10.94	11.01	11.15	11.04	11.12	10.98	10.78	10.57	10.47
Max	10.52	10.69	11.21	11.29	11.35	11.39	11.22	11.31	11.22	11.03	10.80	10.65
Min	10.15	10.41	9.95	10.47	10.64	10.89	10.63	10.95	10.73	10.66	10.35	10.13

Table 3.--Mean daily water levels for wells UK1, UK2, UE2, N2B, UG1, and Walker 8, June 1984 - April 1989--Continued

[Water level is in feet below land surface datum; ---, data not available]

Well UK1; USGS Site number 381539083341902; lat 38°15'39", long 83°34'19";
Well depth, 12.6 feet; Land surface datum, 1,046.19 feet above sea level--Continued

Water Year October 1988 through September 1989

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	10.36	10.22	10.72	10.68	10.69	10.49	11.05	---	---	---	---	---
2	10.31	10.33	10.94	10.76	10.86	10.48	10.90	---	---	---	---	---
3	10.38	10.25	10.78	10.54	11.05	10.46	10.70	---	---	---	---	---
4	10.54	10.64	10.98	10.91	11.08	10.63	10.71	---	---	---	---	---
5	10.62	10.76	10.85	10.69	11.02	10.64	10.92	---	---	---	---	---
6	10.66	10.98	10.69	10.58	11.08	10.64	10.84	---	---	---	---	---
7	10.61	11.02	10.57	10.65	11.15	10.64	10.73	---	---	---	---	---
8	10.47	11.03	10.87	10.96	11.22	10.58	10.59	---	---	---	---	---
9	10.33	11.03	10.79	11.12	11.38	10.60	11.02	---	---	---	---	---
10	10.16	---	10.63	11.08	11.33	10.52	11.14	---	---	---	---	---
11	10.21	---	10.52	11.02	11.32	10.40	11.11	---	---	---	---	---
12	10.53	---	10.62	10.88	11.32	10.97	11.01	---	---	---	---	---
13	10.67	---	10.70	11.16	11.32	10.98	10.98	---	---	---	---	---
14	10.53	---	10.79	10.81	11.31	11.04	11.79	---	---	---	---	---
15	10.43	---	11.02	10.86	11.31	11.21	11.82	---	---	---	---	---
16	10.34	10.22	10.70	10.98	11.42	11.16	11.92	---	---	---	---	---
17	10.30	10.67	10.54	10.91	10.68	10.99	11.89	---	---	---	---	---
18	10.27	10.78	10.81	10.77	10.52	11.02	11.84	---	---	---	---	---
19	10.39	10.50	11.10	10.82	10.33	11.21	11.96	---	---	---	---	---
20	10.37	10.17	10.91	10.88	10.39	10.82	11.95	---	---	---	---	---
21	10.13	10.72	10.63	11.14	10.61	11.00	11.84	---	---	---	---	---
22	10.16	10.75	10.95	10.99	10.60	11.15	11.83	---	---	---	---	---
23	10.00	10.62	---	10.92	10.39	11.02	11.83	---	---	---	---	---
24	10.12	10.54	---	10.91	10.41	10.93	11.84	---	---	---	---	---
25	10.27	10.49	---	10.92	10.50	10.95	11.73	---	---	---	---	---
26	10.42	10.26	---	10.86	10.64	10.98	11.72	---	---	---	---	---
27	10.40	10.22	---	11.00	10.61	10.98	11.71	---	---	---	---	---
28	10.55	10.53	10.93	10.95	10.50	10.88	11.64	---	---	---	---	---
29	10.67	10.69	10.98	10.83	---	10.76	11.70	---	---	---	---	---
30	10.60	10.57	10.77	10.70	---	10.58	11.93	---	---	---	---	---
31	10.40	---	10.70	10.68	---	10.75	---	---	---	---	---	---
Mean	10.39	---	---	10.87	10.89	10.82	11.42	---	---	---	---	---
Max	10.67	---	---	11.16	11.42	11.21	11.96	---	---	---	---	---
Min	10.00	---	---	10.54	10.33	10.40	10.59	---	---	---	---	---

Table 3.--Mean daily water levels for wells UK1, UK2, UE2, N2B, UG1, and Walker 8, June 1984 - April 1989--Continued

[Water level is in feet below land surface datum; ---, data not available]

Well UK2; USGS Site number 381538083341901; Lat 38°15'38", long 83°34'19";
Well depth, 17.3 feet; Land surface datum, 1,050.96 feet above sea level

Water Year October 1986 through September 1987

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	14.96
5	---	---	---	---	---	---	---	---	---	---	---	14.92
6	---	---	---	---	---	---	---	---	---	---	15.64	14.83
7	---	---	---	---	---	---	---	---	---	---	15.12	14.77
8	---	---	---	---	---	---	---	---	---	---	15.04	14.70
9	---	---	---	---	---	---	---	---	---	---	14.92	14.79
10	---	---	---	---	---	---	---	---	---	---	14.96	14.81
11	---	---	---	---	---	---	---	---	---	---	14.97	14.80
12	---	---	---	---	---	---	---	---	---	---	14.92	14.79
13	---	---	---	---	---	---	---	---	---	---	14.99	14.79
14	---	---	---	---	---	---	---	---	---	---	15.03	14.89
15	---	---	---	---	---	---	---	---	---	---	15.03	14.87
16	---	---	---	---	---	---	---	---	---	---	14.97	14.79
17	---	---	---	---	---	---	---	---	---	---	14.94	14.65
18	---	---	---	---	---	---	---	---	---	---	15.00	14.67
19	---	---	---	---	---	---	---	---	---	---	14.98	14.76
20	---	---	---	---	---	---	---	---	---	---	15.11	14.79
21	---	---	---	---	---	---	---	---	---	---	15.10	14.83
22	---	---	---	---	---	---	---	---	---	---	14.98	14.87
23	---	---	---	---	---	---	---	---	---	---	15.08	14.90
24	---	---	---	---	---	---	---	---	---	---	---	14.84
25	---	---	---	---	---	---	---	---	---	---	---	14.86
26	---	---	---	---	---	---	---	---	---	---	---	14.93
27	---	---	---	---	---	---	---	---	---	---	---	14.99
28	---	---	---	---	---	---	---	---	---	---	---	15.00
29	---	---	---	---	---	---	---	---	---	---	---	14.79
30	---	---	---	---	---	---	---	---	---	---	---	14.68
31	---	---	---	---	---	---	---	---	---	---	---	---
Mean	---	---	---	---	---	---	---	---	---	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---

Table 3.--Mean daily water levels for wells UK1, UK2, UE2, N28, UG1, and Walker 8, June 1984 - April 1989--Continued

[Water level is in feet below land surface datum; ---, data not available]

Well UK2; USGS Site number 381538083341901; Lat 38°15'38", long 83°34'19";
Well depth, 17.3 feet; Land surface datum, 1,050.96 feet above sea level--Continued

Water Year October 1987 through September 1988

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	14.81	15.19	14.78	---	---	15.83	15.83	15.81	15.67	15.51	15.39	15.29
2	14.79	15.09	15.09	---	---	15.77	15.75	15.82	15.54	15.52	15.43	15.25
3	15.08	14.96	14.78	15.52	---	15.64	15.59	15.74	15.60	15.49	15.43	15.02
4	15.06	14.78	15.11	15.50	---	15.53	15.63	15.63	15.76	15.59	15.39	14.80
5	14.79	14.91	15.28	15.64	---	15.90	15.58	15.68	15.79	15.69	15.33	14.85
6	14.63	15.15	15.38	---	---	15.86	15.29	15.70	15.71	15.71	15.30	15.08
7	14.80	15.09	15.33	15.47	15.65	15.87	15.37	15.79	15.57	15.68	15.32	15.17
8	15.09	15.01	15.21	15.43	15.74	15.83	---	15.71	15.42	15.59	15.30	15.12
9	15.14	14.98	15.04	15.52	15.65	15.55	---	15.60	15.55	15.50	15.27	15.09
10	15.14	15.01	15.00	15.62	---	15.53	---	15.64	15.81	15.46	15.31	15.18
11	15.09	15.09	14.76	15.57	---	15.71	---	15.82	15.84	15.46	15.34	15.23
12	14.95	15.02	14.97	15.34	---	15.51	---	15.87	15.81	15.47	15.36	15.15
13	15.02	14.90	15.37	15.54	---	15.57	15.70	15.79	15.84	15.51	15.34	15.05
14	15.07	15.01	15.12	15.63	---	15.59	15.66	15.72	15.86	15.48	15.29	15.08
15	15.05	15.18	14.99	15.55	---	15.74	15.76	15.59	15.78	15.50	15.24	15.18
16	14.96	15.09	15.44	15.47	---	15.94	15.87	15.55	15.63	15.49	15.23	15.20
17	14.88	14.82	15.58	15.32	---	15.99	15.74	15.66	15.59	15.47	15.23	15.11
18	14.94	15.17	15.47	15.35	---	15.79	15.40	15.67	15.65	15.46	15.15	15.08
19	14.83	15.17	15.29	15.17	---	15.66	15.58	15.66	15.67	15.46	15.07	14.93
20	14.84	14.96	15.28	15.07	---	15.72	15.63	15.70	15.66	15.45	15.02	14.93
21	15.04	15.19	15.37	15.35	---	15.90	15.59	15.70	15.59	15.42	15.13	15.09
22	15.09	15.15	15.48	15.45	---	15.96	15.59	15.63	15.52	15.44	15.25	14.99
23	15.05	15.09	15.61	15.31	15.61	15.89	15.50	15.58	15.51	15.44	15.15	14.85
24	15.07	15.23	15.56	15.31	15.73	15.84	15.74	15.60	15.60	15.47	15.09	14.93
25	15.11	15.08	15.44	15.38	15.81	15.70	15.75	15.84	15.53	15.45	15.02	15.03
26	14.84	15.10	15.58	15.33	15.82	15.65	15.62	15.91	15.42	15.39	15.02	15.16
27	14.72	15.06	15.59	---	15.55	15.86	15.64	15.86	15.54	15.44	15.10	15.11
28	14.92	14.84	15.31	---	15.75	15.93	15.74	15.81	15.52	15.53	15.16	15.10
29	14.97	14.80	15.57	---	15.67	15.79	15.76	15.79	15.47	15.54	15.19	15.14
30	14.97	14.76	15.62	---	---	15.88	15.82	15.82	15.41	15.46	15.23	15.16
31	15.18	---	15.52	---	---	15.91	---	15.79	---	15.38	15.25	---
Mean	14.97	15.03	15.29	---	---	15.77	---	15.73	15.63	15.50	15.24	15.08
Max	15.18	15.23	15.62	---	---	15.99	---	15.91	15.86	15.71	15.43	15.29
Min	14.63	14.76	14.76	---	---	15.51	---	15.55	15.41	15.38	15.02	14.80

Table 3.--Mean daily water levels for wells UK1, UK2, UE2, N2B, UG1, and Walker 8, June 1984 - April 1989--Continued

[Water level is in feet below land surface datum; ---, data not available]

Well UK2; USGS Site number 381538083341901; Lat 38°15'38", long 83°34'19";
Well depth, 17.3 feet; Land surface datum, 1,050.96 feet above sea level--Continued

Water Year October 1988 through September 1989

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	14.99	14.85	15.21	15.34	15.32	---	15.68	---	---	---	---	---
2	14.88	14.93	15.41	15.45	15.50	---	15.55	---	---	---	---	---
3	14.97	14.84	15.35	15.23	15.71	15.36	15.38	---	---	---	---	---
4	15.05	14.61	15.55	15.46	15.77	15.40	15.31	---	---	---	---	---
5	15.30	14.36	15.41	15.40	15.62	15.38	---	---	---	---	---	---
6	15.32	14.69	15.26	15.24	15.68	15.33	---	---	---	---	---	---
7	15.29	15.03	15.18	15.35	15.75	---	---	---	---	---	---	---
8	15.18	15.18	15.38	15.56	15.78	---	---	---	---	---	---	---
9	15.01	15.29	15.37	15.79	---	---	---	---	---	---	---	---
10	14.90	15.02	15.24	15.74	---	---	---	---	---	---	---	---
11	14.80	15.34	15.38	15.72	---	---	---	---	---	---	---	---
12	15.03	15.27	15.32	15.49	---	---	---	---	---	---	---	---
13	15.29	15.14	15.08	---	---	15.36	---	---	---	---	---	---
14	15.25	15.28	15.10	---	---	15.19	15.97	---	---	---	---	---
15	15.10	15.24	15.36	---	---	15.44	15.64	---	---	---	---	---
16	15.00	14.98	15.32	---	---	15.75	15.72	---	---	---	---	---
17	14.98	15.23	15.23	---	15.99	15.61	15.70	---	---	---	---	---
18	14.85	15.38	15.27	15.36	15.79	15.65	15.65	---	---	---	---	---
19	14.97	15.27	15.27	15.38	15.71	15.83	15.76	---	---	---	---	---
20	15.01	14.88	15.30	15.38	15.67	15.48	15.74	---	---	---	---	---
21	14.85	15.23	15.38	---	15.62	15.39	15.67	---	---	---	---	---
22	14.80	15.39	15.36	---	15.57	15.39	15.65	---	---	---	---	---
23	14.77	15.31	15.29	---	---	15.52	15.65	---	---	---	---	---
24	14.75	15.19	15.10	---	---	15.56	15.64	---	---	---	---	---
25	14.87	15.15	15.40	---	15.43	15.58	15.53	---	---	---	---	---
26	14.98	15.08	15.40	---	15.27	15.61	15.52	---	---	---	---	---
27	15.03	14.81	15.29	---	15.32	15.61	15.52	---	---	---	---	---
28	15.14	14.97	15.40	---	---	15.51	15.47	---	---	---	---	---
29	15.29	15.27	15.68	15.38	---	15.41	15.50	---	---	---	---	---
30	15.24	15.25	15.47	15.34	---	15.25	15.74	---	---	---	---	---
31	15.03	---	15.42	15.30	---	15.35	---	---	---	---	---	---
Mean	15.03	15.08	15.33	---	---	---	---	---	---	---	---	---
Max	15.32	15.39	15.68	---	---	---	---	---	---	---	---	---
Min	14.75	14.36	15.08	---	---	---	---	---	---	---	---	---

Table 3.--Mean daily water levels for wells UK1, UK2, UE2, N2B, UG1, and Walker 8, June 1984 - April 1989--Continued

[Water level is in feet below land surface datum; ---, data not available]

Well UE2; USGS Site number 381538083342002; lat 38°15'38", long 83°34'20";
Well depth, 15.60 feet; Land surface datum, 1,049.02 feet above sea level

Water Year October 1984 through September 1985

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	12.76	12.80	13.00	12.93	---	---	13.43	13.39	---	---	---	---
2	12.84	12.89	13.07	13.29	---	---	13.50	13.29	---	---	---	---
3	12.72	12.83	13.09	13.24	---	---	13.34	13.43	---	---	---	---
4	12.71	12.64	13.35	12.82	---	---	13.32	13.50	---	---	---	---
5	12.77	12.65	---	12.97	---	13.58	13.24	13.46	---	---	---	13.41
6	12.83	12.86	---	13.02	---	13.72	13.43	13.39	---	---	---	13.48
7	12.84	13.03	---	12.97	---	13.67	13.64	13.38	---	---	---	13.55
8	12.81	13.04	---	13.12	---	13.56	13.70	13.46	---	---	---	13.60
9	12.80	12.95	---	13.45	---	13.59	13.79	---	---	---	---	13.62
10	12.83	12.76	---	13.28	---	13.58	13.77	---	---	---	---	13.62
11	12.86	12.85	---	13.33	---	13.25	13.68	---	---	---	---	13.65
12	12.85	13.08	---	13.47	---	13.39	13.73	---	---	---	---	13.71
13	12.69	13.17	---	13.28	---	13.51	13.68	---	---	---	---	13.79
14	12.60	13.17	---	12.95	---	13.51	13.43	---	---	---	---	13.86
15	12.53	13.02	---	13.24	---	13.66	13.25	---	---	---	---	13.88
16	12.63	13.04	---	13.32	---	13.56	13.30	---	---	---	---	13.85
17	---	13.09	---	12.92	---	13.46	13.58	---	---	---	---	13.79
18	---	12.94	---	12.86	---	13.61	13.55	---	---	---	---	13.74
19	---	12.92	---	12.90	---	13.58	13.50	---	---	---	---	13.74
20	---	13.26	13.18	---	---	13.53	13.51	---	---	---	---	13.70
21	---	13.42	12.88	---	---	13.55	13.51	---	---	---	---	13.63
22	---	13.36	13.08	---	---	13.38	13.51	---	---	---	---	13.57
23	---	13.18	13.26	---	---	13.36	13.44	---	---	---	---	13.52
24	---	13.11	13.06	---	---	13.38	13.30	---	---	---	---	13.50
25	---	13.03	13.51	---	---	13.65	13.37	---	---	---	---	13.51
26	---	13.02	13.55	---	---	13.75	13.37	---	---	---	---	13.43
27	---	12.94	13.43	---	---	13.49	13.37	---	---	---	---	13.43
28	---	12.85	13.30	---	---	13.36	13.38	---	---	---	---	13.54
29	---	12.91	13.17	---	---	13.36	13.52	---	---	---	---	13.61
30	---	12.82	13.20	---	---	13.39	13.48	---	---	---	---	13.60
31	12.84	---	13.19	---	---	13.30	---	---	---	---	---	---
Mean	---	12.99	---	---	---	---	13.49	---	---	---	---	---
Max	---	13.42	---	---	---	---	13.79	---	---	---	---	---
Min	---	12.64	---	---	---	---	13.24	---	---	---	---	---

Table 3.--Mean daily water levels for wells UK1, UK2, UE2, N2B, UG1, and Walker 8, June 1984 - April 1989--Continued

[Water level is in feet below land surface datum; ---, data not available]

Well UE2; USGS Site number 381538083342002; lat 38°15'38", long 83°34'20";
Well depth, 15.60 feet; Land surface datum, 1,049.02 feet above sea level--Continued

Water Year October 1985 through September 1986

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	13.58	---	13.66	13.86	14.30	14.37	14.32	14.19	13.95	13.89	13.78	13.81
2	13.60	---	13.63	13.91	14.17	14.35	14.29	14.22	13.93	13.77	13.77	13.78
3	13.58	---	13.80	13.86	13.98	14.20	14.29	14.33	14.03	13.87	13.79	13.78
4	13.51	---	13.90	13.88	13.96	14.30	14.31	14.35	14.07	13.96	13.83	13.76
5	13.46	---	13.89	13.85	13.99	14.32	14.33	14.22	14.06	14.00	13.87	13.70
6	13.48	---	13.86	13.90	13.93	14.13	14.29	14.14	14.00	14.01	13.87	13.68
7	13.54	---	13.90	13.98	14.28	14.26	14.23	14.11	13.91	14.04	13.82	13.68
8	---	---	13.88	14.14	14.35	14.49	14.09	14.05	13.83	14.04	13.77	13.72
9	---	---	13.88	14.87	---	14.43	14.09	14.10	13.91	13.90	13.76	13.75
10	---	---	13.93	14.01	---	14.21	14.12	14.13	13.96	13.86	13.73	13.75
11	---	---	13.87	14.00	---	14.14	14.08	14.13	13.98	13.83	13.67	13.69
12	---	---	13.76	13.80	14.40	14.28	14.09	14.08	13.94	13.80	13.74	13.53
13	---	13.92	13.69	13.94	14.47	14.22	14.12	14.05	14.00	13.84	13.82	13.61
14	---	13.89	13.72	13.89	14.26	14.20	---	14.04	14.09	13.91	13.86	13.69
15	---	13.88	13.80	14.20	14.21	14.23	14.18	14.10	14.09	13.93	13.85	13.72
16	---	13.80	13.82	14.20	14.26	14.36	14.19	14.15	14.07	13.94	13.83	13.74
17	---	13.80	13.82	14.10	14.08	14.47	14.23	14.14	14.07	13.94	13.80	13.76
18	---	13.84	13.86	13.84	14.04	14.33	14.33	14.03	14.10	13.93	13.78	13.74
19	---	13.84	13.96	13.63	14.00	13.89	14.38	13.98	14.09	13.88	13.79	13.73
20	---	13.84	13.94	13.92	14.06	14.29	14.12	13.99	14.08	13.80	13.79	13.73
21	---	13.89	13.94	13.94	14.12	14.57	13.90	14.03	14.08	13.82	13.80	13.73
22	---	13.79	13.85	14.24	14.28	14.65	14.08	14.04	14.08	13.88	13.82	13.73
23	---	13.78	13.64	14.34	14.30	14.65	14.29	14.03	14.05	13.90	13.82	13.67
24	---	13.80	13.56	14.17	14.24	14.67	14.41	14.05	14.01	13.87	13.80	13.61
25	---	13.81	13.63	13.99	14.30	14.66	14.36	14.08	14.04	13.82	13.80	13.60
26	---	13.72	13.74	13.85	14.09	14.57	14.28	14.07	14.07	13.81	13.79	13.63
27	---	13.63	13.75	14.05	13.83	14.51	14.27	14.03	14.05	13.78	13.72	13.63
28	---	13.59	13.81	13.99	14.16	14.51	14.19	14.03	13.98	13.76	13.72	13.64
29	---	13.64	13.83	14.23	---	14.45	14.19	14.05	13.92	13.78	13.79	13.66
30	---	13.68	13.87	14.46	---	14.37	14.24	14.04	13.90	13.79	13.83	13.67
31	---	---	13.84	14.38	---	14.36	---	14.00	---	13.79	13.84	---
Mean	---	---	13.81	14.05	---	14.37	---	14.10	14.01	13.88	13.80	13.70
Max	---	---	13.96	14.87	---	14.67	---	14.35	14.10	14.04	13.87	13.81
Min	---	---	13.56	13.63	---	13.89	---	13.98	13.83	13.76	13.67	13.53

Table 3.--Mean daily water levels for wells UK1, UK2, UE2, N2B, UG1, and Walker 8, June 1984 - April 1989--Continued

[Water level is in feet below land surface datum; ---, data not available]

Well UE2; USGS Site number 381538083342002; lat 38°15'38", long 83°34'20";
Well depth, 15.60 feet; Land surface datum, 1,049.02 feet above sea level--Continued

Water Year October 1986 through September 1987

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	13.65	13.97	13.96	14.05	14.22	13.88	14.32	14.23	14.22	14.07	13.78	13.77
2	13.72	13.98	13.87	13.98	14.05	---	14.29	14.14	14.22	13.99	13.73	13.70
3	13.84	13.91	13.80	14.21	14.21	---	14.43	14.21	14.22	14.03	13.73	13.74
4	13.77	13.82	13.95	14.27	14.55	14.62	14.36	14.42	14.31	14.02	13.72	13.75
5	13.69	13.69	14.10	14.29	14.64	14.61	14.27	14.49	14.37	14.05	13.74	13.71
6	13.73	13.71	14.17	14.13	14.47	14.60	14.37	14.40	14.37	14.09	13.82	13.64
7	13.80	13.80	14.16	14.08	14.26	14.52	14.33	14.33	14.32	14.11	13.88	13.59
8	13.83	13.75	14.08	14.22	14.03	14.24	14.29	14.36	14.27	14.10	13.85	13.51
9	13.84	13.74	13.90	14.05	14.46	14.04	14.32	14.39	14.19	14.10	13.74	13.56
10	13.85	13.88	13.91	13.81	14.46	14.39	14.28	14.34	14.31	14.07	13.79	13.60
11	13.86	13.90	13.96	13.99	14.34	14.45	14.19	14.30	14.22	14.05	13.79	13.59
12	13.84	13.93	13.98	14.10	14.15	14.51	14.23	14.26	14.11	14.01	13.76	13.58
13	13.77	14.02	14.10	14.21	14.32	14.52	14.45	14.33	14.05	13.88	13.82	13.57
14	13.68	14.08	14.17	14.16	14.14	14.37	14.32	14.33	14.04	13.90	13.86	13.66
15	13.73	13.94	14.18	14.13	14.25	14.28	14.17	14.30	14.05	13.98	13.85	13.66
16	13.77	13.76	14.17	14.29	14.16	14.35	14.08	14.34	14.05	14.03	13.79	13.59
17	13.80	13.70	14.10	14.29	14.13	14.46	14.08	14.29	14.13	14.15	13.76	13.47
18	13.87	13.65	13.97	14.04	14.26	14.31	14.27	14.22	14.16	14.15	13.82	13.45
19	13.95	13.72	14.00	13.77	14.50	14.21	14.42	14.17	14.13	14.12	13.80	13.53
20	13.97	13.69	14.03	14.31	14.55	14.27	14.46	14.19	14.02	14.13	13.91	13.56
21	13.95	13.74	14.11	14.26	14.42	14.23	14.42	14.28	13.97	14.12	13.91	13.60
22	13.92	13.83	14.17	13.92	14.24	14.26	14.30	14.34	13.97	14.07	13.78	13.64
23	13.90	13.84	14.14	14.09	14.31	14.23	14.31	14.36	14.03	14.00	13.89	13.67
24	13.88	13.88	13.86	14.34	14.50	14.15	14.35	14.29	14.07	14.00	13.94	13.62
25	13.77	13.91	13.74	14.30	14.53	14.11	14.48	14.26	13.97	---	13.90	13.62
26	13.66	13.71	13.88	14.30	14.54	14.25	14.52	14.29	13.96	---	13.79	13.68
27	13.66	13.79	14.01	14.36	14.40	14.25	14.40	14.37	14.02	13.89	13.74	13.74
28	13.73	13.89	14.09	14.37	14.15	14.28	14.38	14.38	14.13	13.85	13.73	13.78
29	13.79	13.94	14.09	14.27	---	14.25	14.23	14.35	14.14	13.85	---	13.62
30	13.84	13.96	14.02	14.08	---	14.05	14.18	14.28	14.16	13.85	---	13.49
31	13.91	---	14.17	14.34	---	14.17	---	14.26	---	13.85	---	---
Mean	13.81	13.84	14.03	14.16	14.33	---	14.32	14.31	14.14	---	---	13.62
Max	13.97	14.08	14.18	14.37	14.64	---	14.52	14.49	14.37	---	---	13.78
Min	13.65	13.65	13.74	13.77	14.03	---	14.08	14.14	13.96	---	---	13.45

Table 3.--Mean daily water levels for wells UK1, UK2, UE2, N28, UG1, and Walker 8, June 1984 - April 1989--Continued

[Water level is in feet below land surface datum; ---, data not available]

Well UE2; USGS Site number 381538083342002; lat 38°15'38", long 83°34'20";
Well depth, 15.60 feet; Land surface datum, 1,049.02 feet above sea level--Continued

Water Year October 1987 through September 1988

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	13.58	13.94	13.56	---	14.28	14.61	14.63	---	14.45	14.27	14.17	14.02
2	13.54	13.85	13.83	---	14.30	14.52	14.52	---	14.31	14.29	14.21	14.16
3	13.78	13.71	13.70	---	14.30	14.36	14.38	---	14.33	14.25	14.19	13.92
4	13.84	13.56	13.79	---	14.34	14.47	14.46	---	14.50	14.36	14.11	13.68
5	13.61	13.69	14.05	---	14.53	14.72	14.35	---	14.55	14.47	14.03	13.77
6	13.44	13.83	14.13	---	14.68	14.64	14.06	---	14.48	14.47	14.01	14.00
7	13.50	13.76	14.13	---	14.52	14.68	---	---	14.35	14.43	14.02	14.08
8	13.75	13.70	14.05	---	14.49	14.57	---	---	14.24	14.36	14.00	14.04
9	13.88	13.71	13.86	---	14.42	14.32	---	---	14.28	14.27	13.98	14.02
10	13.90	13.79	13.84	---	15.60	14.38	---	---	14.56	14.23	14.02	14.11
11	13.84	13.71	13.65	---	14.22	14.50	---	---	14.60	14.24	14.03	14.15
12	13.74	13.70	13.67	---	14.20	14.31	---	14.64	14.59	14.26	14.03	14.06
13	13.75	13.83	14.09	---	14.31	14.40	14.45	14.56	14.62	14.28	14.02	13.97
14	13.81	13.87	14.08	---	14.12	14.42	14.44	14.52	14.64	14.24	13.99	14.01
15	13.80	13.75	13.73	---	13.94	14.53	14.51	14.46	14.56	14.27	13.94	14.10
16	13.74	13.64	14.09	---	14.27	14.71	14.65	14.44	14.42	14.27	13.94	14.12
17	13.65	13.92	14.32	---	14.38	14.79	14.52	14.44	14.38	14.24	13.93	14.02
18	13.68	13.93	14.35	---	14.33	14.59	---	14.45	14.43	14.21	13.84	13.98
19	13.61	13.74	14.24	---	13.94	14.46	---	14.44	14.45	14.21	13.77	13.82
20	13.59	13.86	14.03	---	14.04	14.52	---	14.45	14.44	14.18	13.72	13.88
21	13.70	13.93	14.25	---	14.40	14.70	---	14.46	14.38	14.20	13.86	14.01
22	13.82	13.85	---	14.20	14.17	14.75	---	14.45	14.30	14.22	13.95	13.87
23	13.80	13.86	---	14.04	14.34	14.68	---	14.41	14.28	14.21	13.84	13.76
24	13.82	13.94	---	14.06	14.58	14.63	---	14.36	14.38	14.25	13.78	13.83
25	13.85	13.89	---	14.08	14.59	14.47	---	14.49	14.31	14.20	13.72	13.96
26	13.68	13.91	---	14.29	14.50	14.45	---	14.62	14.20	14.17	13.74	14.07
27	13.54	13.88	---	14.58	14.42	14.65	---	14.63	14.30	14.23	13.81	14.02
28	13.64	13.71	---	14.63	14.50	14.71	---	14.58	14.29	14.32	13.88	14.02
29	13.70	13.62	---	14.52	14.53	14.55	---	14.54	14.24	14.32	13.91	14.06
30	13.71	13.59	---	14.41	---	14.74	---	14.56	14.18	14.22	13.93	14.06
31	13.87	---	---	14.34	---	14.70	---	14.55	---	14.15	13.96	---
Mean	13.71	13.79	---	---	14.39	14.57	---	---	14.40	14.27	13.95	13.99
Max	13.90	13.94	---	---	15.60	14.79	---	---	14.64	14.47	14.21	14.16
Min	13.44	13.56	---	---	13.94	14.31	---	---	14.18	14.15	13.72	13.68

Table 3.--Mean daily water levels for wells UK1, UK2, UE2, N2B, UG1, and Walker 8, June 1984 - April 1989--Continued

[Water level is in feet below land surface datum; ---, data not available]

Well UE2; USGS Site number 381538083342002; lat 38°15'38", long 83°34'20";
Well depth, 15.60 feet; Land surface datum, 1,049.02 feet above sea level--Continued

Water Year October 1988 through September 1989

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	13.88	13.64	14.07	13.99	14.28	13.97	14.37	---	---	---	---	---
2	13.80	13.72	14.10	14.02	14.34	13.82	14.39	---	---	---	---	---
3	13.87	13.64	14.09	13.87	---	13.63	14.17	---	---	---	---	---
4	---	13.41	14.31	14.02	---	13.65	14.11	---	---	---	---	---
5	14.01	13.14	14.15	13.97	---	13.63	14.30	---	---	---	---	---
6	14.07	13.47	13.99	13.90	---	13.60	14.31	---	---	---	---	---
7	14.04	13.79	13.94	13.96	---	13.90	14.18	---	---	---	---	---
8	13.92	13.95	14.19	14.01	---	13.98	14.17	---	---	---	---	---
9	13.76	14.01	14.14	14.02	---	13.96	14.54	---	---	---	---	---
10	13.61	13.81	14.00	14.02	---	13.86	14.57	---	---	---	---	---
11	13.58	14.08	14.16	14.03	---	13.63	14.56	---	---	---	---	---
12	13.89	13.98	14.10	14.11	---	13.61	14.49	---	---	---	---	---
13	14.07	13.95	13.83	14.49	---	13.54	14.45	---	---	---	---	---
14	13.97	14.05	13.83	14.21	---	13.34	14.90	---	---	---	---	---
15	13.86	13.97	14.18	14.18	---	13.31	14.33	---	---	---	---	---
16	13.77	13.77	14.13	14.30	14.80	13.68	14.37	---	---	---	---	---
17	13.72	14.07	13.97	14.25	14.74	14.35	14.37	---	---	---	---	---
18	13.65	14.09	14.02	14.19	14.49	14.37	14.33	---	---	---	---	---
19	13.79	13.93	14.01	14.32	14.30	14.55	14.39	---	---	---	---	---
20	13.80	13.65	14.05	14.40	14.13	14.25	14.44	---	---	---	---	---
21	13.57	14.08	14.21	14.62	13.84	14.34	14.34	---	---	---	---	---
22	13.54	14.09	14.19	14.50	13.97	14.50	14.32	---	---	---	---	---
23	13.45	14.01	13.99	14.43	13.97	14.42	14.30	---	---	---	---	---
24	13.48	13.94	13.81	14.41	13.97	14.33	14.31	---	---	---	---	---
25	13.65	13.91	14.04	14.43	13.97	14.32	14.24	---	---	---	---	---
26	13.79	13.68	14.04	14.35	13.94	14.36	14.19	---	---	---	---	---
27	13.82	13.62	13.99	14.38	13.97	14.35	14.18	---	---	---	---	---
28	13.89	13.67	14.06	14.34	13.97	14.30	14.15	---	---	---	---	---
29	14.08	13.89	14.33	14.24	---	14.18	14.14	---	---	---	---	---
30	14.06	13.97	14.11	14.24	---	14.01	14.37	---	---	---	---	---
31	13.88	---	14.04	14.21	---	14.00	---	---	---	---	---	---
Mean	---	13.83	14.07	14.21	---	13.99	14.34	---	---	---	---	---
Max	---	14.09	14.33	14.62	---	14.55	14.90	---	---	---	---	---
Min	---	13.14	13.81	13.87	---	13.31	14.11	---	---	---	---	---

Table 3.--Mean daily water levels for wells UK1, UK2, UE2, N2B, UG1, and Walker 8, June 1984 - April 1989--Continued

[Water level is in feet below land surface datum; ---, data not available]

Well N2B; USGS Site number 381540083342001; lat 38°15'40", long 83°34'20";
Well depth, 9.75 feet; Land surface datum, 1,044.1 feet above sea level

Water Year October 1983 through September 1984

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	---	7.77	8.02
2	---	---	---	---	---	---	---	---	---	---	7.80	7.94
3	---	---	---	---	---	---	---	---	---	---	7.76	7.87
4	---	---	---	---	---	---	---	---	---	---	7.74	8.03
5	---	---	---	---	---	---	---	---	---	---	7.73	8.07
6	---	---	---	---	---	---	---	---	---	---	7.70	8.08
7	---	---	---	---	---	---	---	---	---	---	7.63	8.16
8	---	---	---	---	---	---	---	---	---	---	7.56	8.16
9	---	---	---	---	---	---	---	---	---	---	7.58	8.13
10	---	---	---	---	---	---	---	---	---	---	7.64	---
11	---	---	---	---	---	---	---	---	---	---	7.65	8.04
12	---	---	---	---	---	---	---	---	---	---	7.70	7.96
13	---	---	---	---	---	---	---	---	---	---	7.73	7.86
14	---	---	---	---	---	---	---	---	---	---	7.75	7.99
15	---	---	---	---	---	---	---	---	---	---	7.75	8.20
16	---	---	---	---	---	---	---	---	---	---	7.75	8.25
17	---	---	---	---	---	---	---	---	---	---	7.71	8.14
18	---	---	---	---	---	---	---	---	---	---	7.63	7.99
19	---	---	---	---	---	---	---	---	---	---	7.68	7.85
20	---	---	---	---	---	---	---	---	---	---	7.77	7.84
21	---	---	---	---	---	---	---	---	---	---	7.82	7.95
22	---	---	---	---	---	---	---	---	---	---	7.89	8.05
23	---	---	---	---	---	---	---	---	---	---	7.95	8.05
24	---	---	---	---	---	---	---	---	---	---	8.03	7.97
25	---	---	---	---	---	---	---	---	---	---	8.07	7.96
26	---	---	---	---	---	---	---	---	---	---	8.04	8.14
27	---	---	---	---	---	---	---	---	---	---	7.94	8.02
28	---	---	---	---	---	---	---	---	---	---	7.88	8.02
29	---	---	---	---	---	---	---	---	---	---	7.87	7.97
30	---	---	---	---	---	---	---	---	---	7.79	7.75	7.90
31	---	---	---	---	---	---	---	---	---	7.76	7.91	---
Mean	---	---	---	---	---	---	---	---	---	---	7.78	---
Max	---	---	---	---	---	---	---	---	---	---	8.07	---
Min	---	---	---	---	---	---	---	---	---	---	7.56	---

Table 3.--Mean daily water levels for wells UK1, UK2, UE2, N2B, UG1, and Walker 8, June 1984 - April 1989--Continued

[Water level is in feet below land surface datum; ---, data not available]

Well N2B; USGS Site number 381540083342001; lat 38°15'40", long 83°34'20";
Well depth, 9.75 feet; Land surface datum, 1,044.1 feet above sea level--Continued

Water Year October 1984 through September 1985

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8.04	8.01	8.36	8.34	---	8.67	8.64	8.61	8.56	8.56	8.29	8.21
2	8.00	8.17	8.35	8.69	---	8.81	8.69	8.46	8.59	8.50	8.42	8.26
3	7.88	8.00	8.45	8.57	---	8.81	8.49	8.72	8.63	8.48	8.43	8.22
4	7.94	7.80	8.66	8.07	---	8.53	8.47	8.79	8.66	8.44	8.42	8.16
5	8.03	7.86	8.43	---	---	8.91	8.36	8.70	8.61	8.39	---	8.12
6	8.08	8.14	8.26	---	---	9.23	8.61	8.62	8.68	8.45	---	8.14
7	8.04	8.31	8.36	---	---	8.96	8.82	8.71	8.60	8.55	---	8.21
8	7.96	8.24	8.38	---	---	8.85	8.91	8.79	8.52	8.49	8.25	8.20
9	8.00	8.03	8.20	---	---	8.94	9.03	8.77	8.52	8.41	8.24	8.09
10	8.06	7.81	8.40	---	---	8.88	8.99	8.71	8.58	8.35	8.23	8.06
11	8.05	7.99	8.18	---	---	8.44	8.92	8.59	8.47	8.45	8.25	8.18
12	8.00	8.33	8.20	---	---	8.64	8.99	8.55	8.39	8.46	8.26	8.28
13	7.87	8.48	8.49	---	---	8.73	8.87	8.59	8.60	8.50	8.27	8.47
14	7.74	8.41	8.67	---	---	8.75	8.61	8.59	8.65	8.46	8.25	8.50
15	7.71	8.14	8.64	---	---	8.92	8.40	8.55	8.55	8.38	8.20	8.37
16	7.87	8.32	8.53	---	---	8.76	8.52	8.45	8.45	8.50	8.22	8.20
17	7.96	8.38	8.53	---	---	8.69	8.82	8.27	8.51	8.52	8.18	8.18
18	7.99	8.03	8.58	---	---	8.86	8.76	8.46	8.43	8.50	8.18	8.26
19	7.87	8.17	8.38	---	---	8.80	8.72	8.58	8.47	8.49	8.21	8.25
20	7.93	8.60	8.47	---	---	8.77	8.70	8.62	8.57	8.44	8.25	8.16
21	7.90	8.72	8.20	---	---	8.78	8.69	8.65	8.63	8.34	8.26	8.07
22	8.03	8.64	8.46	---	8.91	8.57	8.65	8.62	8.61	8.33	8.26	8.04
23	8.16	8.40	8.62	---	8.77	8.57	8.62	8.54	8.64	8.39	8.23	7.97
24	8.16	8.25	8.41	---	8.69	8.60	8.47	8.54	8.64	8.40	8.10	8.09
25	8.15	8.18	8.98	---	8.90	8.91	8.63	8.60	8.61	8.37	8.09	8.01
26	8.09	8.20	9.00	---	8.81	8.99	8.62	8.57	8.54	8.35	8.22	7.88
27	7.99	8.06	8.80	---	8.96	8.69	8.62	8.51	8.51	8.40	8.39	7.99
28	7.91	8.01	8.62	---	8.96	8.52	8.64	8.52	8.48	8.38	8.39	8.27
29	7.98	8.09	8.49	---	---	8.57	8.81	8.61	8.49	8.39	8.29	8.23
30	8.05	7.98	8.59	---	---	8.61	8.72	8.52	8.53	8.38	8.14	8.08
31	8.13	---	8.50	---	---	8.45	---	8.42	---	8.31	8.13	---
Mean	7.99	8.19	8.49	---	---	8.75	8.69	8.59	8.56	8.43	---	8.17
Max	8.16	8.72	9.00	---	---	9.23	9.03	8.79	8.68	8.56	---	8.50
Min	7.71	7.80	8.18	---	---	8.44	8.36	8.27	8.39	8.31	---	7.88

Table 3.--Mean daily water levels for wells UK1, UK2, UE2, N2B, UG1, and Walker 8, June 1984 - April 1989--Continued

[Water level is in feet below land surface datum; ---, data not available]

Well N2B; USGS Site number 381540083342001; lat 38°15'40", long 83°34'20";
Well depth, 9.75 feet; Land surface datum, 1,044.1 feet above sea level--Continued

Water Year October 1985 through September 1986

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8.13	7.62	8.03	8.33	---	9.00	8.97	---	8.59	8.44	8.32	---
2	8.16	7.85	8.31	8.51	---	8.88	8.96	---	8.67	8.43	8.34	---
3	8.07	8.47	8.72	8.59	---	8.85	8.95	---	8.73	8.54	8.41	8.23
4	7.95	7.99	8.64	8.39	---	8.95	8.98	---	8.71	8.58	8.48	8.16
5	7.96	7.99	8.41	8.61	---	8.89	8.99	---	8.67	8.60	8.42	8.13
6	8.08	8.13	8.26	8.63	---	8.82	8.94	---	8.65	8.66	8.38	8.22
7	8.20	8.16	8.36	9.00	---	9.08	8.91	---	8.64	8.65	8.35	8.29
8	8.29	8.42	8.37	9.22	---	9.20	8.90	---	8.64	8.56	8.29	8.40
9	---	8.37	8.20	9.13	---	9.02	8.84	---	8.69	8.41	8.34	8.40
10	---	8.35	8.40	9.21	---	8.83	8.73	---	8.68	8.41	8.33	8.30
11	---	8.46	8.18	9.20	---	8.99	8.65	---	8.57	8.38	8.38	8.10
12	---	8.45	8.22	8.99	9.10	8.91	8.71	---	8.47	8.37	8.47	8.09
13	---	8.32	8.51	9.08	9.16	8.81	---	---	8.69	8.43	8.45	8.37
14	---	8.32	8.67	9.03	8.85	8.78	---	---	8.71	8.52	---	8.46
15	---	8.39	8.63	9.42	8.96	8.87	8.69	8.71	8.60	8.52	---	8.36
16	8.32	8.20	8.53	9.46	8.86	9.06	8.73	8.71	8.59	8.51	---	8.42
17	8.39	8.38	8.53	9.36	8.70	9.13	8.74	8.68	8.68	8.54	---	8.41
18	8.36	8.39	8.58	9.14	8.59	9.05	8.75	8.65	8.71	8.52	---	8.30
19	8.26	8.33	8.38	8.81	8.58	9.03	8.84	8.65	8.61	8.44	---	8.32
20	8.16	8.43	8.46	9.03	8.74	9.22	---	8.66	8.62	8.35	---	8.31
21	8.12	8.41	8.22	9.13	8.90	9.34	---	8.67	8.65	8.38	---	8.34
22	8.15	8.19	8.43	9.30	8.92	9.31	---	8.65	8.58	8.48	---	8.24
23	8.13	8.28	8.62	9.60	8.95	9.23	---	8.64	8.51	8.52	---	8.07
24	8.13	8.37	8.41	9.59	8.88	9.33	---	8.70	8.52	8.45	---	8.04
25	8.24	8.29	8.93	---	9.00	9.26	---	8.69	8.66	8.38	---	8.18
26	8.21	8.11	8.96	---	8.75	9.18	---	8.65	8.65	8.32	8.27	8.28
27	8.18	8.07	8.80	---	8.78	9.18	---	8.64	8.55	8.28	8.27	8.25
28	8.21	8.05	8.62	---	8.98	9.14	---	8.68	8.47	8.27	8.34	8.31
29	8.13	8.24	8.49	---	---	9.04	---	8.66	8.44	8.29	8.43	8.30
30	7.98	8.24	8.59	---	---	8.98	---	8.63	8.44	8.36	---	8.26
31	7.78	---	8.50	---	---	8.99	---	8.61	---	8.35	---	---
Mean	---	8.24	8.48	---	---	9.04	---	---	8.61	8.45	---	---
Max	---	8.47	8.96	---	---	9.34	---	---	8.73	8.66	---	---
Min	---	7.62	8.03	---	---	8.78	---	---	8.44	8.27	---	---

Table 3.--Mean daily water levels for wells UK1, UK2, UE2, N2B, UG1, and Walker 8, June 1984 - April 1989--Continued

[Water level is in feet below land surface datum; ---, data not available]

Well N2B; USGS Site number 381540083342001; lat 38°15'40", long 83°34'20";
Well depth, 9.75 feet; Land surface datum, 1,044.1 feet above sea level--Continued

Water Year October 1986 through September 1987

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8.17	8.57	8.41	8.45	8.80	8.63	8.73	8.73	---	8.53	---	8.24
2	8.20	8.49	8.18	8.45	8.74	8.96	8.82	8.65	---	8.47	---	8.24
3	8.14	8.32	8.37	8.75	8.83	9.17	8.92	8.77	---	8.50	---	8.29
4	8.05	8.25	8.67	8.77	9.14	---	8.92	8.98	---	8.49	---	8.31
5	8.14	8.14	8.85	8.79	9.23	9.13	8.81	9.05	---	8.52	---	8.29
6	8.34	8.30	8.80	8.58	9.13	9.21	8.70	8.93	---	8.57	8.30	8.18
7	8.43	8.40	8.60	8.63	8.86	9.06	8.67	8.83	---	8.58	8.34	8.10
8	8.47	8.29	8.42	8.78	8.65	8.70	8.61	8.92	---	8.58	8.34	8.01
9	---	8.45	8.22	8.61	9.19	8.64	8.66	8.94	---	8.59	8.21	8.07
10	---	8.54	8.51	8.38	9.18	9.02	8.60	8.89	---	8.53	8.22	8.11
11	---	8.41	8.43	8.52	9.08	9.07	8.55	8.84	---	8.51	8.25	8.11
12	---	8.48	8.50	8.63	8.90	9.15	8.61	8.81	---	8.48	8.20	8.10
13	---	8.77	8.82	8.78	9.02	9.15	8.84	8.89	---	8.41	8.27	8.09
14	---	8.78	8.77	8.73	9.04	8.89	8.70	8.89	---	8.38	8.30	8.20
15	---	8.77	8.69	8.69	9.07	8.83	8.53	8.86	---	8.44	8.31	8.20
16	---	8.77	8.61	8.89	---	8.96	8.53	8.90	---	8.48	8.26	8.11
17	---	8.76	8.40	8.89	---	9.06	8.53	8.85	---	---	8.21	7.97
18	8.60	8.51	8.37	8.66	9.17	8.84	8.63	8.80	---	---	8.26	7.95
19	8.58	8.34	8.52	8.50	9.21	8.73	8.77	8.75	---	---	8.26	8.05
20	8.51	8.07	8.56	8.85	9.23	8.80	8.79	8.78	---	---	8.38	8.08
21	8.50	8.45	8.76	8.85	9.14	8.77	8.74	8.83	---	---	8.39	8.14
22	8.48	8.41	8.77	8.48	8.81	8.82	8.63	8.89	8.44	---	8.26	8.21
23	8.47	8.34	8.53	8.62	8.95	8.76	8.66	8.92	8.48	---	8.34	8.24
24	8.46	8.49	8.11	8.91	9.18	8.70	8.69	8.90	8.54	---	8.41	8.17
25	8.45	8.41	8.37	8.89	9.21	8.69	8.84	8.84	8.45	---	8.38	8.18
26	8.38	8.14	8.65	8.90	9.22	8.84	8.88	8.86	8.43	---	8.26	8.27
27	8.43	8.51	8.72	8.93	8.97	8.78	8.86	8.92	8.50	---	8.19	8.35
28	8.42	8.54	8.76	8.93	8.68	8.85	8.85	---	8.61	---	8.19	8.37
29	8.39	8.52	8.73	8.76	---	8.77	8.64	---	8.62	---	8.29	8.14
30	8.45	8.45	8.52	8.63	---	8.61	8.68	---	8.63	---	8.29	8.00
31	8.55	---	8.68	8.92	---	8.59	---	---	---	---	8.19	---
Mean	---	8.46	8.56	8.71	---	---	8.71	---	---	---	---	8.16
Max	---	8.78	8.85	8.93	---	---	8.92	---	---	---	---	8.37
Min	---	8.07	8.11	8.38	---	---	8.53	---	---	---	---	7.95

Table 3.--Mean daily water levels for wells UK1, UK2, UE2, N2B, UG1, and Walker 8, June 1984 - April 1989--Continued

[Water level is in feet below land surface datum; ---, data not available]

Well N2B; USGS Site number 381540083342001; lat 38°15'40", long 83°34'20";
Well depth, 9.75 feet; Land surface datum, 1,044.1 feet above sea level--Continued

Water Year October 1987 through September 1988

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8.13	8.64	8.17	9.15	8.95	9.30	9.29	9.29	9.07	8.88	8.77	8.70
2	8.10	8.53	8.51	9.23	8.98	9.16	9.20	9.29	8.90	8.84	8.82	8.70
3	8.44	8.39	8.25	8.97	8.97	9.00	9.03	9.21	8.94	8.86	8.81	8.45
4	8.43	8.17	8.26	8.90	8.98	8.95	9.03	9.09	9.14	8.97	8.79	8.19
5	8.31	8.36	8.63	8.92	9.26	---	9.07	9.11	9.20	9.05	8.72	8.24
6	8.00	8.61	8.85	8.93	9.41	---	8.73	9.13	9.11	9.04	8.70	8.49
7	8.11	8.52	8.80	8.94	9.23	---	8.84	9.24	8.95	9.03	8.71	8.61
8	8.46	8.44	8.70	8.96	9.18	---	9.15	9.17	8.76	8.97	8.70	8.57
9	8.53	8.42	8.49	8.97	9.11	---	9.25	9.07	8.87	8.88	8.67	8.53
10	8.53	8.42	8.46	8.98	9.16	---	9.13	9.09	9.22	8.83	8.71	8.62
11	8.47	8.51	8.21	9.00	8.91	---	8.93	9.28	9.26	8.84	8.74	8.67
12	8.34	8.47	8.26	9.01	8.81	---	8.93	9.33	9.24	8.85	8.76	8.60
13	8.41	8.34	8.74	9.02	8.81	---	9.11	9.21	9.15	8.89	8.74	8.48
14	8.45	8.47	8.74	9.04	8.77	---	9.11	9.16	9.01	8.85	8.68	8.51
15	8.42	8.65	8.31	8.99	8.70	---	9.21	9.06	8.97	8.88	8.63	8.63
16	8.35	8.52	8.71	8.92	9.04	9.45	9.36	8.94	9.03	8.88	8.63	8.65
17	8.34	8.26	9.03	8.77	9.13	9.50	9.17	9.02	9.06	8.85	8.62	8.54
18	8.36	8.68	9.02	8.79	9.08	9.26	8.87	9.09	9.05	8.83	8.51	8.50
19	8.38	8.61	8.83	8.66	8.65	9.11	9.07	9.06	8.99	8.82	8.44	8.33
20	8.41	8.40	8.59	8.47	8.79	9.17	9.09	9.09	8.91	8.82	8.39	8.35
21	8.45	8.66	8.88	8.80	9.16	9.38	9.01	9.11	8.84	8.80	8.53	8.52
22	8.47	8.61	8.73	8.86	8.91	9.47	8.98	9.07	8.90	8.83	8.64	8.41
23	8.47	8.57	9.12	8.69	9.06	9.37	8.90	8.97	8.96	8.82	8.52	8.26
24	8.49	8.69	8.96	8.74	9.25	9.32	9.15	8.95	8.86	8.86	8.45	8.32
25	8.48	8.53	8.87	8.75	9.26	9.14	9.20	9.21	8.77	8.83	8.38	8.45
26	---	8.56	9.03	9.03	9.16	9.11	9.07	9.35	8.89	8.77	8.39	8.60
27	8.21	8.48	9.03	9.34	9.04	9.31	9.09	9.30	8.88	8.83	8.48	8.56
28	8.30	8.26	8.73	9.35	9.15	9.42	9.20	9.22	8.84	8.91	8.56	8.54
29	8.38	8.19	9.14	9.19	9.19	9.26	9.24	9.18	8.77	8.94	8.58	8.58
30	8.40	8.15	9.18	9.10	---	9.35	9.29	9.21	8.81	8.85	8.62	8.59
31	8.63	---	8.94	9.01	---	9.41	---	9.20	---	8.77	8.64	---
Mean	---	8.47	8.72	8.95	9.04	---	9.09	9.15	8.98	8.87	8.62	8.51
Max	---	8.69	9.18	9.35	9.41	---	9.36	9.35	9.26	9.05	8.82	8.70
Min	---	8.15	8.17	8.47	8.65	---	8.73	8.94	8.76	8.77	8.38	8.19

Table 3.--Mean daily water levels for wells UK1, UK2, UE2, N2B, UG1, and Walker 8, June 1984 - April 1989--Continued

[Water level is in feet below land surface datum; ---, data not available]

Well N2B; USGS Site number 381540083342001; lat 38°15'40", long 83°34'20";
Well depth, 9.75 feet; Land surface datum, 1,044.1 feet above sea level--Continued

Water Year October 1988 through September 1989

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8.41	8.24	8.80	8.73	8.84	9.27	9.13	---	---	---	---	---
2	8.29	8.33	9.01	8.76	8.98	9.11	9.01	---	---	---	---	---
3	8.39	8.39	8.54	8.60	9.14	8.88	8.79	---	---	---	---	---
4	---	8.00	8.87	8.99	---	8.94	8.74	---	---	---	---	---
5	8.68	7.84	8.88	8.82	---	8.89	9.00	---	---	---	---	---
6	8.73	8.13	8.66	8.61	---	8.87	8.96	---	---	---	---	---
7	8.67	8.51	8.75	8.75	9.23	9.15	8.81	---	---	---	---	---
8	8.52	8.70	8.71	8.99	9.36	9.41	8.65	---	---	---	---	---
9	8.37	8.65	8.75	9.23	9.50	9.44	9.08	---	---	---	---	---
10	8.19	8.55	8.89	9.18	9.30	9.32	9.26	---	---	---	---	---
11	8.21	8.90	9.00	9.15	9.24	9.03	9.24	---	---	---	---	---
12	8.53	8.60	8.74	8.92	9.17	9.07	9.15	---	---	---	---	---
13	8.73	8.68	8.54	9.27	9.02	8.92	9.18	---	---	---	---	---
14	8.60	8.75	8.96	8.96	9.12	8.68	9.09	---	---	---	---	---
15	8.48	8.62	9.15	8.91	9.16	8.93	8.91	---	---	---	---	---
16	8.37	8.46	8.83	9.06	---	9.29	8.98	---	---	---	---	---
17	8.32	8.81	8.76	9.00	9.55	9.11	8.97	---	---	---	---	---
18	8.27	8.87	---	8.89	9.25	9.11	8.92	---	---	---	---	---
19	8.41	8.56	---	8.95	9.04	9.34	9.02	---	---	---	---	---
20	8.42	8.33	---	9.08	8.85	8.93	9.03	---	---	---	---	---
21	8.18	8.87	---	9.26	8.59	9.05	8.94	---	---	---	---	---
22	8.15	8.83	---	9.20	8.91	9.25	8.93	---	---	---	---	---
23	8.04	8.71	---	9.10	9.17	9.14	8.92	---	---	---	---	---
24	8.10	8.65	---	9.04	9.36	9.03	8.93	---	---	---	---	---
25	8.28	8.60	---	9.07	9.10	9.04	8.84	---	---	---	---	---
26	8.42	8.33	---	8.97	8.73	9.08	8.82	---	---	---	---	---
27	8.45	8.37	---	9.13	8.81	9.09	8.80	---	---	---	---	---
28	8.54	8.64	8.98	9.10	8.95	8.98	8.75	---	---	---	---	---
29	8.73	8.84	9.09	8.97	---	8.86	8.76	---	---	---	---	---
30	8.70	8.68	8.92	8.85	---	8.68	8.98	---	---	---	---	---
31	8.51	---	8.85	8.85	---	8.78	---	---	---	---	---	---
Mean	---	8.55	---	8.98	---	9.05	8.95	---	---	---	---	---
Max	---	8.90	---	9.27	---	9.44	9.26	---	---	---	---	---
Min	---	7.84	---	8.60	---	8.68	8.65	---	---	---	---	---

Table 3.--Mean daily water levels for wells UK1, UK2, UE2, N2B, UG1, and Walker 8, June 1984 - April 1989--Continued

[Water level is in feet below land surface datum; ---, data not available]

Well UG1; USGS Site number 381540083341601; lat 38°15'40", long 83°34'16";
Well depth, 20.0 feet; Land surface datum, 1,052.37 feet above sea level

Water Year October 1986 through September 1987

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	---	---	16.45
2	---	---	---	---	---	---	---	---	---	---	---	16.47
3	---	---	---	---	---	---	---	---	---	---	---	16.48
4	---	---	---	---	---	---	---	---	---	---	---	16.48
5	---	---	---	---	---	---	---	---	---	---	---	16.47
6	---	---	---	---	---	---	---	---	---	---	---	16.44
7	---	---	---	---	---	---	---	---	---	---	16.36	16.42
8	---	---	---	---	---	---	---	---	---	---	16.41	16.37
9	---	---	---	---	---	---	---	---	---	---	16.42	16.30
10	---	---	---	---	---	---	---	---	---	---	16.42	16.28
11	---	---	---	---	---	---	---	---	---	---	16.43	16.28
12	---	---	---	---	---	---	---	---	---	---	16.43	16.29
13	---	---	---	---	---	---	---	---	---	---	16.44	16.28
14	---	---	---	---	---	---	---	---	---	---	16.47	16.29
15	---	---	---	---	---	---	---	---	---	---	16.47	16.30
16	---	---	---	---	---	---	---	---	---	---	16.46	16.28
17	---	---	---	---	---	---	---	---	---	---	16.44	16.21
18	---	---	---	---	---	---	---	---	---	---	16.46	16.16
19	---	---	---	---	---	---	---	---	---	---	16.46	---
20	---	---	---	---	---	---	---	---	---	---	16.49	---
21	---	---	---	---	---	---	---	---	---	---	16.53	16.17
22	---	---	---	---	---	---	---	---	---	---	16.52	16.18
23	---	---	---	---	---	---	---	---	---	---	16.52	16.21
24	---	---	---	---	---	---	---	---	---	---	16.55	16.23
25	---	---	---	---	---	---	---	---	---	---	16.56	16.24
26	---	---	---	---	---	---	---	---	---	---	16.54	16.25
27	---	---	---	---	---	---	---	---	---	---	16.49	16.28
28	---	---	---	---	---	---	---	---	---	---	16.47	16.32
29	---	---	---	---	---	---	---	---	---	---	16.47	16.30
30	---	---	---	---	---	---	---	---	---	---	16.49	16.21
31	---	---	---	---	---	---	---	---	---	---	16.47	---
Mean	---	---	---	---	---	---	---	---	---	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---

Table 3.--Mean daily water levels for wells UK1, UK2, UE2, N2B, UG1, and Walker 8, June 1984 - April 1989--Continued

[Water level is in feet below land surface datum; ---, data not available]

Well UG1; USGS Site number 381540083341601; lat 38°15'40", long 83°34'16";
Well depth, 20.0 feet; Land surface datum, 1,052.37 feet above sea level--Continued

Water Year October 1987 through September 1988

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	16.18	16.46	16.39	17.10	17.14	17.24	17.40	17.29	17.29	17.07	16.77	16.41
2	16.22	16.48	16.44	17.17	17.12	17.25	17.40	17.30	17.27	17.07	16.77	16.42
3	16.29	16.47	16.42	17.15	17.12	17.24	17.38	17.30	17.26	17.06	16.76	16.39
4	16.36	16.40	16.43	17.11	17.10	17.23	17.35	17.29	17.28	17.06	16.73	16.32
5	16.34	16.36	16.52	17.16	17.13	17.27	17.34	17.29	17.28	17.07	16.71	16.28
6	16.24	16.40	16.62	17.21	17.18	---	17.29	17.29	17.26	17.08	16.69	16.29
7	16.13	16.42	16.67	17.22	17.21	---	17.25	17.30	17.23	17.07	16.68	16.33
8	16.19	16.43	16.68	17.15	17.20	---	17.27	17.30	17.20	17.04	16.67	16.34
9	16.29	16.42	16.63	17.14	17.20	---	17.32	17.28	17.19	17.01	16.65	16.35
10	16.36	16.42	16.60	17.16	17.21	---	17.32	17.29	17.21	16.98	16.64	16.36
11	16.39	16.43	16.51	17.17	17.22	---	17.30	17.34	17.23	16.96	16.64	16.39
12	16.38	16.43	16.45	17.11	17.18	---	17.29	17.35	17.24	16.94	16.64	16.39
13	16.36	16.39	16.54	17.13	17.17	---	17.29	17.37	17.25	16.94	16.65	16.38
14	16.37	16.38	16.61	17.22	17.15	---	17.29	17.37	17.27	16.92	16.63	16.37
15	16.37	16.41	16.51	17.21	17.09	---	17.29	17.35	17.28	16.91	16.61	16.38
16	16.36	16.43	16.56	17.18	17.09	17.32	17.30	17.32	17.27	16.90	16.60	16.39
17	16.32	16.38	16.68	17.13	17.10	17.35	17.31	17.30	17.26	16.89	16.58	16.39
18	16.31	16.40	16.76	17.08	17.10	17.36	17.27	17.30	17.25	16.87	16.56	16.38
19	16.28	16.45	16.77	17.05	17.06	17.34	17.26	17.29	17.25	16.86	16.52	16.35
20	16.24	16.42	16.72	16.97	17.02	17.33	17.26	17.29	17.25	16.80	16.48	16.34
21	16.26	16.44	16.77	16.99	17.05	17.35	17.25	17.29	17.24	16.77	16.47	16.33
22	16.31	16.47	16.82	17.03	17.05	17.38	17.23	17.29	17.21	16.77	16.48	16.33
23	16.32	16.47	16.88	17.03	17.10	17.40	17.22	17.27	17.19	16.78	16.47	16.29
24	16.34	16.50	16.92	17.02	17.16	17.40	17.21	17.25	17.18	16.78	16.43	16.28
25	16.37	16.66	16.92	17.04	17.18	17.39	17.24	17.27	17.18	16.78	16.39	16.28
26	16.34	16.69	16.95	17.07	17.21	17.37	17.24	17.29	17.14	16.77	16.37	16.29
27	16.25	16.65	17.00	17.13	17.19	17.36	17.23	17.31	17.13	16.77	16.37	16.30
28	16.34	16.58	16.95	17.18	17.21	17.38	17.24	17.31	17.13	16.78	16.37	16.30
29	16.41	16.51	16.99	17.19	17.22	17.39	17.25	17.31	17.11	16.79	16.38	16.32
30	16.39	16.45	17.09	17.19	---	17.39	17.26	17.31	17.09	16.79	16.40	16.32
31	16.43	---	17.08	17.17	---	17.40	---	17.32	---	16.77	16.40	---
Mean	16.31	16.46	16.71	17.12	17.14	---	17.28	17.30	17.22	16.90	16.56	16.34
Max	16.43	16.69	17.09	17.22	17.22	---	17.40	17.37	17.29	17.08	16.77	16.42
Min	16.13	16.36	16.39	16.97	17.02	---	17.21	17.25	17.09	16.77	16.37	16.28

Table 3.--Mean daily water levels for wells UK1, UK2, UE2, N2B, UG1, and Walker 8, June 1984 - April 1989--Continued

[Water level is in feet below land surface datum; ---, data not available]

Well UG1; USGS Site number 381540083341601; lat 38°15'40", long 83°34'16";
Well depth, 20.0 feet; Land surface datum, 1,052.37 feet above sea level--Continued

Water Year October 1988 through September 1989

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	16.16	16.29	16.58	17.07	17.02	17.10	17.12	---	---	---	---	---
2	16.29	16.28	16.70	17.11	17.02	17.11	17.13	---	---	---	---	---
3	---	16.27	16.69	17.07	17.04	17.10	17.12	---	---	---	---	---
4	---	16.22	16.73	17.14	17.10	17.09	17.09	---	---	---	---	---
5	16.31	16.09	16.76	17.13	17.11	17.07	17.10	---	---	---	---	---
6	16.35	16.08	16.75	17.09	17.11	17.06	17.10	---	---	---	---	---
7	16.37	16.13	16.72	17.10	17.12	17.08	17.09	---	---	---	---	---
8	16.37	16.17	16.77	17.10	---	17.13	17.06	---	---	---	---	---
9	16.34	16.26	16.80	17.12	---	17.16	17.07	---	---	---	---	---
10	16.28	16.26	16.78	17.13	---	17.19	17.10	---	---	---	---	---
11	16.23	16.34	16.82	17.14	---	17.19	17.13	---	---	---	---	---
12	16.25	16.39	16.83	17.12	---	17.17	17.15	---	---	---	---	---
13	16.32	16.40	16.77	17.13	---	17.16	17.15	---	---	---	---	---
14	16.34	16.44	16.75	17.13	---	17.11	17.16	---	---	---	---	---
15	16.34	16.46	16.78	17.11	---	17.09	---	---	---	---	---	---
16	16.32	16.43	16.83	17.10	---	17.13	---	---	---	---	---	---
17	16.31	16.47	16.81	17.10	17.29	17.14	---	---	---	---	---	---
18	16.26	16.51	16.85	17.09	17.29	17.14	---	---	---	---	---	---
19	16.27	16.49	16.84	17.08	17.27	17.18	---	---	---	---	---	---
20	16.34	16.39	16.86	17.06	17.23	17.18	---	---	---	---	---	---
21	16.24	16.48	16.92	17.10	17.16	17.17	---	---	---	---	---	---
22	16.04	16.52	16.99	17.11	17.14	17.19	---	---	---	---	---	---
23	16.02	16.53	16.96	17.11	17.14	17.21	---	---	---	---	---	---
24	15.99	16.53	16.91	17.10	17.16	17.20	---	---	---	---	---	---
25	16.02	16.53	16.97	17.10	17.17	17.20	---	---	---	---	---	---
26	16.06	16.49	17.05	17.09	17.12	17.20	---	---	---	---	---	---
27	16.11	16.44	17.05	17.09	17.10	17.20	---	---	---	---	---	---
28	16.15	16.46	17.08	17.10	17.08	17.20	---	---	---	---	---	---
29	16.24	16.57	17.15	17.10	---	17.18	---	---	---	---	---	---
30	16.30	16.54	17.09	17.07	---	17.14	---	---	---	---	---	---
31	16.32	---	17.09	17.05	---	17.10	---	---	---	---	---	---
Mean	---	16.38	16.86	17.10	---	17.15	---	---	---	---	---	---
Max	---	16.57	17.15	17.14	---	17.21	---	---	---	---	---	---
Min	---	16.08	16.58	17.05	---	17.06	---	---	---	---	---	---

Table 3.--Mean daily water levels for wells UK1, UK2, UE2, N2B, UG1, and Walker 8, June 1984 - April 1989--Continued

[Water level is in feet below land surface datum; ---, data not available]

Well Walker 8; USGS Site number 381537083341001; lat 38°15'37", long 83°34'10";
Well depth, 28.18 feet; Land surface datum, 1,052.3 feet above sea level

Water Year October 1985 through September 1986

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	17.78	---	---
2	---	---	---	---	---	---	---	---	---	17.77	---	---
3	---	---	---	---	---	---	---	---	---	17.94	---	---
4	---	---	---	---	---	---	---	---	---	17.94	---	---
5	---	---	---	---	---	---	---	---	---	17.98	---	---
6	---	---	---	---	---	---	---	---	---	18.01	---	---
7	---	---	---	---	---	---	---	---	---	18.00	---	---
8	---	---	---	---	---	---	---	---	---	17.95	---	---
9	---	---	---	---	---	---	---	---	---	17.88	---	---
10	---	---	---	---	---	---	---	---	---	17.92	---	---
11	---	---	---	---	---	---	---	---	---	17.89	---	---
12	---	---	---	---	---	---	---	---	17.58	17.92	---	---
13	---	---	---	---	---	---	---	---	17.74	18.03	---	---
14	---	---	---	---	---	---	---	---	17.74	18.11	---	---
15	---	---	---	---	---	---	---	---	17.66	18.09	---	---
16	---	---	---	---	---	---	---	---	17.67	18.08	---	---
17	---	---	---	---	---	---	---	---	17.74	18.10	---	---
18	---	---	---	---	---	---	---	---	17.74	18.09	---	---
19	---	---	---	---	---	---	---	---	17.69	18.06	---	---
20	---	---	---	---	---	---	---	---	17.73	18.01	---	---
21	---	---	---	---	---	---	---	---	17.77	18.10	---	---
22	---	---	---	---	---	---	---	---	17.73	18.18	---	---
23	---	---	---	---	---	---	---	---	17.71	18.27	---	---
24	---	---	---	---	---	---	---	---	17.78	---	---	---
25	---	---	---	---	---	---	---	---	17.87	---	---	---
26	---	---	---	---	---	---	---	---	17.83	---	---	---
27	---	---	---	---	---	---	---	---	17.74	---	---	---
28	---	---	---	---	---	---	---	---	17.69	---	---	---
29	---	---	---	---	---	---	---	---	17.74	---	---	---
30	---	---	---	---	---	---	---	---	17.77	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Mean	---	---	---	---	---	---	---	---	---	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---

Table 3.--Mean daily water levels for wells UK1, UK2, UE2, N2B, UG1, and Walker 8, June 1984 - April 1989--Continued

[Water level is in feet below land surface datum; ---, data not available]

Well Walker 8; USGS Site number 381537083341001; lat 38°15'37", long 83°34'10";
Well depth, 28.18 feet; Land surface datum, 1,052.3 feet above sea level--Continued

Water Year October 1986 through September 1987

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	21.67	21.75	21.89	21.52	21.74	21.57	21.54	21.78	21.98	22.21
2	---	---	21.57	21.72	21.75	21.82	21.70	21.55	21.55	21.75	21.96	22.18
3	---	---	21.65	21.89	21.79	21.95	21.75	21.65	21.55	21.79	21.98	22.21
4	---	---	21.87	21.92	22.01	22.03	21.65	21.75	21.56	21.79	21.99	22.24
5	---	---	21.94	21.92	22.06	21.96	21.64	21.72	21.60	21.82	21.99	22.24
6	---	---	21.92	21.82	21.94	21.94	21.71	21.62	21.61	21.84	22.05	22.21
7	---	---	21.80	21.78	21.80	21.90	21.67	21.57	21.61	21.86	22.09	22.18
8	---	---	21.68	21.91	21.66	21.70	21.64	21.63	21.59	21.88	22.10	22.16
9	---	---	21.57	21.85	21.97	21.66	21.68	21.63	21.59	21.90	22.03	22.22
10	---	---	21.76	21.66	21.96	21.91	21.64	21.59	21.62	21.89	22.04	22.25
11	---	---	21.75	21.80	21.88	22.36	21.60	21.56	21.58	21.88	22.08	22.25
12	---	---	21.73	21.90	21.75	22.07	21.65	21.57	21.53	21.86	22.06	22.25
13	---	---	21.97	21.96	21.85	21.93	21.78	21.61	21.51	21.80	22.10	22.26
14	---	21.64	21.91	21.94	21.77	21.79	21.66	21.60	21.52	21.81	22.15	22.30
15	---	21.55	21.83	21.90	21.83	21.74	21.55	21.60	21.55	21.87	22.17	22.29
16	---	21.48	21.78	21.97	21.78	21.83	21.50	21.59	21.57	21.91	22.14	22.24
17	---	21.50	21.68	21.97	21.76	21.88	21.54	21.54	21.61	22.02	22.12	22.15
18	---	21.50	21.65	21.83	21.83	21.76	21.71	21.48	21.62	22.03	22.16	22.14
19	---	21.68	21.75	21.69	21.98	21.69	21.77	21.47	21.60	22.01	22.15	22.20
20	---	21.53	21.82	22.00	21.99	21.73	21.76	21.52	21.55	22.03	22.22	22.21
21	---	21.59	21.91	21.95	21.88	21.72	21.69	21.57	21.53	22.03	22.22	22.23
22	---	21.60	21.92	21.52	21.75	21.74	21.60	21.59	21.58	22.02	22.16	22.26
23	---	21.61	21.78	21.74	21.80	21.71	21.57	21.59	21.65	21.98	22.18	22.27
24	---	21.66	21.52	21.92	21.94	21.67	21.61	21.57	21.69	22.00	22.24	22.25
25	---	21.68	21.72	21.92	21.95	21.66	21.71	21.52	21.62	22.02	22.22	22.26
26	---	21.63	21.90	21.86	21.94	21.77	21.72	21.52	21.64	---	22.17	22.31
27	---	21.57	21.92	21.91	21.83	21.75	21.72	21.58	21.69	---	22.14	22.34
28	---	21.57	21.90	21.88	21.63	21.77	21.68	21.58	21.77	21.98	22.15	22.34
29	---	21.57	21.82	21.90	---	21.72	21.48	21.56	21.79	21.96	22.21	22.22
30	---	21.58	21.72	21.71	---	21.60	21.59	21.53	21.83	21.99	---	22.15
31	---	---	21.84	21.87	---	21.68	---	21.54	---	22.01	---	---
Mean	---	---	21.78	21.85	21.86	21.81	21.66	21.58	21.61	---	---	22.23
Max	---	---	21.97	22.00	22.06	22.36	21.78	21.75	21.83	---	---	22.34
Min	---	---	21.52	21.52	21.63	21.52	21.48	21.47	21.51	---	---	22.14

Table 3.--Mean daily water levels for wells UK1, UK2, UE2, N2B, UG1, and Walker 8, June 1984 - April 1989--Continued

[Water level is in feet below land surface datum; ---, data not available]

Well Walker 8; USGS Site number 381537083341001; lat 38°15'37", long 83°34'10";
Well depth, 28.18 feet; Land surface datum, 1,052.3 feet above sea level--Continued

Water Year October 1987 through September 1988

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	22.20	22.36	21.27	21.56	21.49	21.60	21.30	21.40	21.55	21.83	21.90	22.12
2	22.14	22.31	21.50	21.36	21.51	21.50	21.30	21.40	21.45	21.87	21.93	22.11
3	22.29	22.26	21.27	21.42	21.51	21.40	21.30	21.37	21.49	21.87	21.95	21.98
4	22.29	22.18	21.44	21.62	21.52	21.41	21.29	21.29	21.63	21.93	21.93	21.86
5	22.15	22.28	21.57	21.60	21.67	21.67	21.29	21.33	21.66	21.99	21.89	21.88
6	22.03	22.32	21.60	21.42	21.70	21.51	21.25	21.35	21.61	22.01	21.87	22.01
7	22.11	22.22	21.53	21.33	21.57	21.53	21.22	21.41	21.53	21.97	21.89	22.06
8	22.29	22.14	21.43	21.46	21.51	21.48	21.23	21.36	21.43	21.93	21.90	22.01
9	22.32	22.10	21.30	21.55	21.48	21.28	21.23	21.27	21.54	21.88	21.89	21.96
10	22.31	21.99	21.32	21.50	21.52	21.33	21.23	21.29	21.75	21.86	21.90	22.01
11	22.27	21.84	21.16	21.35	21.40	21.49	21.23	21.43	21.78	21.87	21.94	22.03
12	22.21	21.61	21.24	21.61	21.41	21.33	21.10	21.48	21.76	21.90	21.96	21.99
13	22.23	21.49	21.60	21.68	21.53	21.37	21.23	21.41	21.76	21.92	21.97	21.94
14	22.26	21.57	21.54	21.50	21.46	21.40	21.23	21.37	21.78	21.90	21.95	21.96
15	22.25	21.61	21.13	21.45	21.30	21.46	21.28	21.32	21.76	21.90	21.93	22.01
16	22.22	21.45	21.16	21.38	21.61	21.59	21.37	21.26	21.67	21.90	21.93	22.01
17	22.17	21.31	21.16	21.46	21.65	21.60	21.25	21.34	21.65	21.90	21.95	21.98
18	22.20	21.61	21.16	21.27	21.61	21.40	20.99	21.41	21.71	21.89	21.92	21.95
19	22.15	21.47	21.16	21.25	21.32	21.33	21.17	21.39	21.74	21.89	21.89	21.89
20	22.14	21.35	21.16	21.50	21.35	21.31	21.23	21.43	21.75	21.90	21.89	21.88
21	22.25	21.53	21.29	21.53	21.68	21.32	21.14	21.46	21.72	21.86	21.95	21.94
22	22.30	21.45	21.37	21.55	21.53	21.38	21.14	21.45	21.69	21.86	22.03	21.89
23	22.26	21.42	21.53	21.42	21.52	21.43	21.09	21.41	21.70	21.86	21.98	21.84
24	22.27	21.50	21.45	21.43	21.67	21.44	21.28	21.42	21.78	21.88	21.94	21.89
25	22.29	21.39	21.37	21.46	21.62	21.33	21.32	21.60	21.77	21.88	21.90	21.96
26	22.18	21.41	21.48	21.65	21.54	21.29	21.23	21.68	21.70	21.85	21.91	22.02
27	22.14	21.37	21.51	21.80	21.42	21.29	21.22	21.63	21.78	21.88	21.97	21.99
28	22.23	21.25	21.27	21.79	21.55	21.29	21.32	21.58	21.80	21.96	22.02	21.97
29	22.26	21.24	21.48	21.65	21.52	21.31	21.35	21.57	21.79	21.99	22.04	21.98
30	22.27	21.24	21.45	21.55	---	21.30	21.38	21.60	21.77	21.95	22.06	21.97
31	22.37	---	21.58	21.51	---	21.30	---	21.60	---	21.90	22.07	---
Mean	22.23	21.71	21.37	21.50	21.52	21.41	21.24	21.43	21.68	21.90	21.94	21.97
Max	22.37	22.36	21.60	21.80	21.70	21.67	21.38	21.68	21.80	22.01	22.07	22.12
Min	22.03	21.24	21.13	21.25	21.30	21.28	20.99	21.26	21.43	21.83	21.87	21.84

Table 3.--Mean daily water levels for wells UK1, UK2, UE2, N2B, UG1, and Walker 8, June 1984 - April 1989--Continued

[Water level is in feet below land surface datum; ---, data not available]

Well Walker 8; USGS Site number 381537083341001; lat 38°15'37", long 83°34'10";
Well depth, 28.18 feet; Land surface datum, 1,052.3 feet above sea level--Continued

Water Year October 1988 through September 1989

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	21.90	21.80	21.90	21.84	21.68	21.10	21.43	---	---	---	---	---
2	21.85	21.78	22.00	21.89	21.78	21.07	21.35	---	---	---	---	---
3	21.91	21.78	21.91	21.78	21.87	21.07	21.16	---	---	---	---	---
4	21.95	21.62	21.97	21.81	21.96	21.10	21.15	---	---	---	---	---
5	22.07	21.49	21.93	21.82	21.87	21.13	21.31	---	---	---	---	---
6	22.07	21.70	21.84	21.75	21.82	21.14	21.29	---	---	---	---	---
7	22.00	21.86	21.78	21.83	21.84	21.11	21.19	---	---	---	---	---
8	21.92	21.94	21.91	21.90	21.88	21.07	21.09	---	---	---	---	---
9	21.88	21.94	21.94	22.05	21.96	21.07	21.37	---	---	---	---	---
10	21.80	21.81	21.85	22.01	21.83	21.07	21.50	---	---	---	---	---
11	21.95	21.98	21.91	21.99	21.70	21.07	21.47	---	---	---	---	---
12	22.11	21.87	21.94	21.84	21.76	21.08	21.38	---	---	---	---	---
13	---	21.83	21.76	21.98	21.73	21.10	21.36	---	---	---	---	---
14	---	21.87	21.77	21.88	21.74	21.09	21.31	---	---	---	---	---
15	---	21.83	21.94	21.78	21.78	21.35	21.22	---	---	---	---	---
16	---	21.71	22.01	21.84	21.91	21.64	21.29	---	---	---	---	---
17	---	21.90	21.88	21.83	21.89	21.49	21.29	---	---	---	---	---
18	---	21.95	21.94	21.77	21.69	21.45	21.26	---	---	---	---	---
19	---	21.80	21.92	21.79	21.54	21.62	21.31	---	---	---	---	---
20	---	21.64	21.95	21.81	21.26	21.33	21.31	---	---	---	---	---
21	---	21.91	22.03	21.96	21.06	21.39	21.27	---	---	---	---	---
22	---	21.91	22.10	21.90	21.06	21.52	21.26	---	---	---	---	---
23	---	21.83	21.93	21.85	21.06	21.40	21.26	---	---	---	---	---
24	21.77	---	21.84	21.83	21.06	21.31	21.27	---	---	---	---	---
25	21.83	---	22.01	21.84	21.06	21.31	21.21	---	---	---	---	---
26	21.89	---	22.09	21.80	21.06	21.35	21.20	---	---	---	---	---
27	21.94	---	21.93	21.86	21.08	21.34	21.21	---	---	---	---	---
28	21.91	---	21.87	21.87	21.11	21.29	21.18	---	---	---	---	---
29	22.04	---	22.05	21.81	---	21.20	21.20	---	---	---	---	---
30	22.03	---	21.93	21.70	---	21.10	21.32	---	---	---	---	---
31	21.93	---	21.87	21.70	---	21.17	---	---	---	---	---	---
Mean	---	---	21.93	21.85	21.57	21.24	21.28	---	---	---	---	---
Max	---	---	22.10	22.05	21.96	21.64	21.50	---	---	---	---	---
Min	---	---	21.76	21.70	21.06	21.07	21.09	---	---	---	---	---

Table 5.--Precipitation at the Maxey Flats site, June 1984 - April 1989

[Data from USGS Precipitation Gage 381534083341802]

	Precipitation, in inches											
	Water Year October 1983 to September 1984											
Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	0.00	0.00	0.02	0.00
2	---	---	---	---	---	---	---	---	.00	.00	.22	.00
3	---	---	---	---	---	---	---	---	.00	.00	.00	.28
4	---	---	---	---	---	---	---	---	.00	.30	.00	.00
5	---	---	---	---	---	---	---	---	.00	1.50	.00	.03
6	---	---	---	---	---	---	---	---	.00	.24	.00	.00
7	---	---	---	---	---	---	---	---	.00	.00	.00	.00
8	---	---	---	---	---	---	---	---	.00	.00	1.09	.00
9	---	---	---	---	---	---	---	---	.00	.00	.00	.00
10	---	---	---	---	---	---	---	---	.00	.00	.70	.00
11	---	---	---	---	---	---	---	---	.20	.05	.00	.00
12	---	---	---	---	---	---	---	---	.00	.00	.00	.00
13	---	---	---	---	---	---	---	---	.00	.00	.00	.00
14	---	---	---	---	---	---	---	---	.00	.00	.00	.80
15	---	---	---	---	---	---	---	---	.00	.09	.00	.00
16	---	---	---	---	---	---	---	---	.03	.00	.00	.00
17	---	---	---	---	---	---	---	---	.00	.00	.00	.00
18	---	---	---	---	---	---	---	---	.00	.00	.18	.00
19	---	---	---	---	---	---	---	---	.00	.00	.00	.00
20	---	---	---	---	---	---	---	---	.27	.00	.00	.00
21	---	---	---	---	---	---	---	---	.00	.05	.00	.00
22	---	---	---	---	---	---	---	---	.00	.00	.08	.00
23	---	---	---	---	---	---	---	---	.00	.00	.00	.00
24	---	---	---	---	---	---	---	---	.24	.00	.00	1.50
25	---	---	---	---	---	---	---	---	.00	.00	.00	.00
26	---	---	---	---	---	---	---	---	.00	.88	.00	.00
27	---	---	---	---	---	---	---	---	.00	.00	.00	.34
28	---	---	---	---	---	---	---	---	.04	.07	.00	.00
29	---	---	---	---	---	---	---	---	.00	.00	.00	.00
30	---	---	---	---	---	---	---	---	.00	.00	.00	.65
31	---	---	---	---	---	---	---	---	---	.00	.00	---
Total	---	---	---	---	---	---	---	---	0.78	3.18	2.29	3.60

Table 5.--Precipitation at the Maxey Flats site, June 1984 - April 1989--Continued

[Data from USGS Precipitation Gage 381534083341802]

	Precipitation, in inches											
	Water Year October 1984 to September 1985											
Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.07	0.77	0.00	0.12	0.23	0.00	0.00	0.15	0.00	0.34	0.77	0.00
2	.00	.15	.00	.00	.13	.00	.00	.73	.39	.51	.00	.00
3	.00	.00	.05	.23	.12	.00	.00	.00	.04	.14	.00	.00
4	.00	.33	.00	.00	.00	.42	.00	.00	1.16	.00	.00	.00
5	.00	.00	.00	.00	.15	.00	1.92	.00	.05	.26	.00	.26
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.07	.00	.12	.00	.16	.00
8	.15	.00	.00	.00	.00	.46	.08	.00	.09	.00	.02	.00
9	.00	.60	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.56	.25	.29	.00	.00	.11	.00	1.10	.87	.00	.00
11	.00	.00	.00	.00	.30	.70	.04	.00	2.10	.00	.00	.00
12	.00	.00	.00	.00	.70	.10	.00	.01	.14	.00	.00	.00
13	.00	.00	.25	.00	.07	.27	.00	.00	.01	.00	.03	.00
14	.00	.00	.00	.00	.00	.00	.01	.13	.00	.00	.00	.00
15	.05	.15	.00	.00	.00	.00	.01	.61	.00	.05	.09	.00
16	.00	.00	.00	.05	.00	.00	.64	.13	.11	.00	.42	.00
17	.00	.00	.00	.20	.00	.00	.00	.86	.00	.00	.00	.00
18	.00	.97	.20	.05	.00	.00	.00	.06	.00	.00	.00	.02
19	.15	.20	.45	.14	.00	.00	.00	.00	.00	.00	.00	.01
20	.06	.00	.22	.03	.00	.00	.00	.00	.00	.00	.07	.00
21	.60	.00	1.54	.00	.00	.15	.00	.35	.00	1.20	.00	.00
22	.89	.00	.00	.00	.00	.26	.00	.27	.19	.00	.00	.00
23	.38	.00	.00	.00	.00	.10	.01	.60	.00	.00	.00	.09
24	.03	.00	.57	.00	.07	.00	.00	.83	.37	.00	1.34	.10
25	.14	.00	.00	.04	.00	.00	.00	.00	.00	.00	.88	.00
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.46	.00	.25
27	.00	.04	.00	.00	.00	.00	.05	.28	.00	.00	.00	.00
28	1.56	.73	.00	.00	.00	.00	.05	.03	.00	.00	.01	.00
29	.49	.00	.00	.00	---	.59	.00	.00	.00	.00	.00	.00
30	.00	.14	.32	.39	---	.14	.00	.00	.00	.01	1.10	.00
31	.00	---	.32	.45	---	.38	---	.00	---	.25	.00	---
Total	4.57	4.64	4.17	1.99	1.77	3.57	2.99	5.04	5.87	4.09	4.89	0.73
Water Year 1985 Total			44.71									

Table 5.--Precipitation at the Maxey Flats site, June 1984 - April 1989--Continued

[Data from USGS Precipitation Gage 381534083341802]

Precipitation, in inches

Water Year October 1985 to September 1986

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.78	0.06	0.01	0.00	0.00	0.00	0.00	0.07	0.01	0.42	0.00	0.00
2	.00	.17	.05	.00	.00	.00	.00	.00	.00	2.36	.00	.37
3	.00	1.13	.00	.00	.52	.04	.00	.00	.00	.00	.00	.00
4	.00	.17	.00	.00	.16	.01	.00	.00	.00	.00	.00	.35
5	.14	.76	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00
6	.00	.05	.00	.00	.53	.08	.01	.00	.00	.00	.00	.00
7	.00	.18	.00	.00	.05	.00	.00	.53	.80	.00	.39	.00
8	.00	.00	.00	.00	.01	.00	.00	.02	.05	.00	.04	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.12	.32	.00
10	.00	.00	.00	.00	.00	.20	.00	.00	.60	.04	.86	.00
11	.00	.76	.65	.00	.00	.01	.00	.00	.38	.00	.00	.08
12	.00	.42	.01	.00	.00	.25	.00	.56	.07	.53	.00	1.07
13	.03	.00	.43	.00	.00	.78	.04	.11	.00	.10	.00	.00
14	.27	.01	.00	.00	.00	.15	.09	1.11	.00	.01	.00	.00
15	.55	.00	.00	.00	.00	.00	.02	.15	.00	.00	.00	.00
16	.00	.69	.00	.00	.44	.00	.08	.00	.00	.00	.02	.00
17	.00	.00	.00	.00	.08	.00	.00	.00	.00	.00	.08	.00
18	.00	.00	.00	.17	.00	.13	.00	.00	.00	.00	.00	.68
19	.01	.00	.00	.49	.00	.52	.00	.00	.00	.00	.18	.00
20	1.76	.04	.00	.00	.00	.00	.72	.00	.12	.82	.07	.01
21	2.07	.00	.00	.30	.00	.00	.26	.00	.00	.00	.00	.00
22	.01	.17	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.13	.11
24	.30	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00
25	.00	.00	.00	.04	.03	.00	.00	.01	.00	.00	.00	.00
26	.00	.41	.00	.00	.10	.12	.00	.26	.00	.02	.26	.10
27	.00	.81	.00	.00	.00	.04	.00	.89	.00	.00	.36	.72
28	.00	.62	.00	.00	.00	.00	.19	.00	.16	.00	.00	.00
29	.04	.03	.00	.00	---	.00	.00	.82	.00	.00	.00	.00
30	.17	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
Total	6.13	6.48	1.16	1.00	2.02	2.33	1.41	4.55	2.19	4.42	2.71	3.49

Water Year 1986 Total 37.89

Table 5.--Precipitation at the Maxey Flats site, June 1984 - April 1989--Continued

[Data from USGS Precipitation Gage 381534083341802]

Precipitation, in inches

Water Year October 1986 to September 1987

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.24	0.00	0.56	0.00	0.14	0.03	0.05	0.00	0.34	0.07	0.00	0.00
2	.15	.00	.43	.00	.04	.00	.09	.00	.17	1.07	.00	.00
3	.00	.00	.00	.01	.00	.00	.00	.40	.04	.00	.00	.00
4	.79	.16	.00	.00	.00	.00	.00	.10	.00	1.09	.00	.00
5	.01	1.23	.00	.00	.01	.00	.51	.00	.00	.01	.00	.00
6	.00	.00	.00	.00	.00	.00	.04	.00	.00	.01	.00	.00
7	.00	.04	.00	.00	.00	.00	.03	.00	.00	.03	.00	.00
8	.00	2.91	.12	.00	.00	.00	.00	.00	.00	.01	.00	.00
9	.00	.13	.79	.01	.00	.02	.00	.00	.74	.81	.45	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	.59	.00	.01	.00	.00	.06	.00	.00	1.09	.00	.25
12	.27	.00	.00	.00	.03	.00	.08	.01	.63	.12	.00	1.09
13	.66	.00	.00	.00	.00	.00	.00	.00	.00	1.46	.00	.55
14	.02	.00	.00	.00	.08	.00	.26	.00	.00	.02	.00	.00
15	.00	.04	.00	.07	.00	.18	1.28	.32	.00	.00	.00	.00
16	.00	.01	.00	.00	.00	.11	.26	.00	.50	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	.38	.01	.21	.00	.04	.08	.00	.00	.00
19	.00	.00	.00	.71	.02	.18	.00	.50	.00	.00	.00	.00
20	.00	.17	.00	.00	.28	.00	.00	1.08	.18	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	.00	.02	.16	.00	.00	.00
22	.00	.00	.00	.00	.71	.00	.00	.03	.24	.00	.00	.00
23	.00	.10	.13	.00	.00	.00	.27	.00	.01	.00	.70	.00
24	.16	.11	.51	.00	.00	.02	.03	1.19	.00	.00	.00	.00
25	.53	.78	.02	.00	.00	.13	.00	.04	.73	.00	.00	.00
26	.01	1.19	.00	.00	.00	.00	.00	.00	.00	.60	.00	.00
27	.04	.00	.00	.00	.57	.09	.19	.00	.00	.36	.00	.00
28	.00	.00	.00	.00	.71	.00	.00	.00	.00	.00	.20	.00
29	.00	.00	.00	.17	---	.68	.00	.00	.02	.00	.00	.00
30	.00	.00	.00	.00	---	.59	.00	.00	.00	.00	.00	.00
31	.00	---	.00	.00	---	.06	---	.00	---	.00	.00	---
Total	2.88	7.46	2.56	1.36	2.60	2.30	3.15	3.73	3.84	6.75	1.35	1.89

Water Year 1987 Total 39.87

Table 5.--Precipitation at the Maxey Flats site, June 1984 - April 1989--Continued

[Data from USGS Precipitation Gage 381534083341802]

Precipitation, in inches

Water Year October 1987 to September 1988

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.01	0.03	0.19	0.00	0.09	0.00	0.00	0.00	0.01	0.00
2	.01	.00	.00	.00	1.70	.00	.23	.00	.26	.00	.01	.00
3	.03	.00	.19	.00	.13	.41	.86	.00	.12	.00	.11	2.20
4	.00	.00	.02	.00	.38	.88	.02	.82	.03	.00	.00	.00
5	.00	.00	.01	.00	.00	.01	.00	.04	.00	.00	.38	.00
6	.14	.00	.00	.00	.00	.00	.82	.00	.00	.00	.28	.00
7	.02	.00	.00	.00	.00	.00	.56	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
9	.00	.76	.10	.00	.00	.19	.00	.56	.16	.00	.00	.00
10	.00	.57	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00
11	.09	.01	.04	.00	.16	.00	.00	.00	.00	.34	.00	.00
12	.00	.00	.00	.02	.00	.42	.00	.00	.00	.38	.00	.07
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
14	.00	.00	.68	.00	.00	.00	.00	.03	.00	.00	.00	.00
15	.00	.00	.20	.00	.09	.00	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06
17	.00	.28	.00	.31	.00	.00	.00	.09	.02	.00	.00	.18
18	.00	.00	.00	.16	.00	.13	1.04	.00	.00	.21	.00	.01
19	.00	.00	.09	1.27	.21	.00	.00	.00	.00	.49	1.49	.00
20	.09	.00	.10	.00	.00	.00	.00	.00	.00	1.04	.03	.30
21	.00	.00	.01	.02	.00	.00	.12	.00	.00	.29	.00	.00
22	.00	.00	.03	.00	.00	.00	.14	.00	.00	.26	.00	.00
23	.00	.00	.00	.00	.41	.00	.00	.62	.00	.16	1.17	.68
24	.00	.18	.33	.06	.00	.00	.00	.01	.00	.08	.00	.33
25	.00	.00	2.67	.00	.00	.16	.00	.00	.00	.08	.00	.02
26	.00	.00	.85	.00	.00	.02	.00	.00	.01	.15	.00	.00
27	.09	.02	.09	.00	.00	.00	.00	.00	.00	.08	.00	.00
28	.00	.50	.12	.00	.00	.00	.00	.00	.00	.05	.06	.00
29	.00	.08	.00	.00	.00	.00	.00	.00	.00	.04	.38	.00
30	.00	.00	.00	.00	---	.02	.00	.00	.00	.04	.00	.00
31	.00	---	.43	.25	---	.37	---	.00	---	.02	.00	---
Total	0.47	2.40	5.97	2.12	3.27	2.61	3.88	2.17	0.63	3.73	3.92	3.85

Water Year 1988 Total 35.02

Table 5.--Precipitation at the Maxey Flats site, June 1984 - April 1989--Continued

[Data from USGS Precipitation Gage 381534083341802]

Precipitation, in inches												
Water Year October 1988 to September 1989												
Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.22	0.00	0.00	0.00	---	---	---	---	---
2	.01	.01	.00	.00	.43	.00	.18	---	---	---	---	---
3	.00	.20	.00	.00	1.01	.00	.04	---	---	---	---	---
4	.01	.10	.00	.00	.00	.01	.81	---	---	---	---	---
5	.00	.91	.00	.22	.00	2.73	.01	---	---	---	---	---
6	.00	.18	.00	.29	.00	.29	.18	---	---	---	---	---
7	.00	.00	.02	.03	.00	.00	.00	---	---	---	---	---
8	.00	.05	.01	.60	.00	.00	.44	---	---	---	---	---
9	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
10	.00	.40	.00	.00	.00	.00	.00	---	---	---	---	---
11	.00	.00	.00	.40	.00	.00	.00	---	---	---	---	---
12	.00	.00	.00	.48	.00	.00	.00	---	---	---	---	---
13	.00	.22	.01	.00	2.18	.14	.00	---	---	---	---	---
14	.00	.00	.01	1.08	1.07	.00	.09	---	---	---	---	---
15	.00	.00	.00	.00	3.05	.04	.18	---	---	---	---	---
16	.09	.03	.00	.00	.25	.00	.00	---	---	---	---	---
17	.01	.00	.00	.00	.00	.00	.00	---	---	---	---	---
18	.29	.00	.00	.00	.00	.39	.44	---	---	---	---	---
19	.00	2.15	.00	.00	.00	.00	.11	---	---	---	---	---
20	.00	1.63	.00	.00	.79	1.17	.00	---	---	---	---	---
21	.78	.00	1.08	.00	1.19	.29	.00	---	---	---	---	---
22	.26	.00	.00	.00	.00	.00	.00	---	---	---	---	---
23	.34	.00	.64	.00	.00	.00	.00	---	---	---	---	---
24	.00	.00	1.17	.00	.00	.00	.00	---	---	---	---	---
25	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
26	.00	.12	.00	.18	.02	.00	.18	---	---	---	---	---
27	.00	.19	.00	.00	.00	.00	.44	---	---	---	---	---
28	.08	.00	.60	.00	.00	.00	.03	---	---	---	---	---
29	.00	.00	.00	.04	---	.43	.50	---	---	---	---	---
30	.00	.00	.00	.18	---	.25	.00	---	---	---	---	---
31	.00	---	.02	.00	---	.64	---	---	---	---	---	---
Total	1.87	6.19	3.56	3.72	9.99	6.38	3.63	---	----	---	---	---

Table 6.--Water-level measurements in selected wells, June 1984 - April 1989

[Water levels in feet below land surface]

Date	Water level	Date	Water level	Date	Water level	Date	Water level

Well UA1; USGS Site number 381548083340001; Well depth, 79.0 feet;
Altitude of land surface, 1,038.3 feet above sea level

Apr 28, 1987	67.31	Feb 25, 1988	66.90	Jul 07, 1988	66.73	Dec 02, 1988	66.49
Jul 28	66.12	Mar 16	66.84	Aug 04	66.70	29	66.47
Oct 01	65.98	Apr 11	66.85	Sep 02	66.65	Feb 17, 1989	66.46
Dec 22	65.87	May 12	66.79	Oct 05	66.60	Mar 16	66.42
Jan 22, 1988	66.93	Jun 10	66.75	Nov 02	66.55	Apr 13	66.39

Highest level, 65.87, Dec 22, 1987; lowest level, 67.31, Apr 28, 1987

Well UA2; USGS Site number 381549083340001; Well depth, 131 feet;
Altitude of land surface, 1,040.0 feet above sea level

Apr 28, 1987	99.57	Feb 25, 1988	99.54	Aug 04, 1988	99.69	Feb 17, 1989	99.99
May 28	99.55	Mar 16	99.63	Sep 02	99.67	Mar 16	100.09
Jul 28	99.50	Apr 11	99.77	Oct 05	99.72	Apr 13	100.12
Oct 01	99.47	May 12	99.82	Nov 02	99.76		
Dec 22	99.35	Jun 10	99.79	Dec 02	99.79		
Jan 22, 1988	99.43	Jul 07	99.76	29	99.88		

Highest level, 99.35, Dec 22, 1987; lowest level, 100.12, Apr 13, 1989

Well UA3; USGS Site number 381549083335901; Well depth, 53.4 feet;
Altitude of land surface, 1,038.2 feet above sea level

Apr 28, 1987	19.35	Feb 25, 1988	19.68	Aug 04, 1988	19.59	Feb 17, 1989	20.96
May 28	19.90	Mar 16	19.70	Sep 02	19.98	Mar 16	19.86
Jul 28	17.55	Apr 11	19.50	Oct 05	20.61	Apr 13	18.42
Oct 01	18.56	May 12	19.19	Nov 02	20.93		
Dec 22	20.28	Jun 10	18.82	Dec 02	21.43		
Jan 22, 1988	19.41	Jul 07	19.36	29	21.61		

Highest level, 17.55, Jul 28, 1987; lowest level, 21.61, Dec 29, 1988

Well UA4; USGS Site number 381548083335901; Well depth, 322 feet;
Altitude of land surface, 1,036.2 feet above sea level

Apr 28, 1987	261.37	Jul 28, 1987	260.82	Dec 22, 1987	260.70	Feb 25, 1988	260.91
May 28	261.08	Oct 02	260.52	Jan 22, 1988	260.85	Mar 16	260.79

Highest level, 260.52, Oct 02, 1987; lowest level, 261.37, Apr 28, 1987

Well UB1; USGS Site number 381533083341801; Well depth, 68.2 feet;
Altitude of land surface, 1,059.3 feet above sea level

Jun 13, 1984	Dry	Jul 10, 1984	Dry

Well UB1A; USGS Site number 381533083341701; Well depth, 26.5 feet;
Altitude of land surface, 1,059.1 feet above sea level

Apr 29, 1987	23.39	Jan 21, 1988	22.67	Jul 06, 1988	23.37	Feb 16, 1989	23.24
May 28	23.40	Feb 23	22.94	Aug 03	23.23	Mar 15	23.07
Jul 27	23.15	Mar 16	23.20	Sep 01	23.04	Apr 12	23.43
Sep 02	23.00	Apr 12	23.21	Oct 04	22.84		
Oct 01	22.71	May 13	23.45	Nov 02	22.67		
Dec 21	22.76	Jun 10	23.38	Dec 01	22.72		

Highest level, 22.67, Jan 21, 1988, Nov 02, 1988; lowest level, 23.45, May 13, 1988

Table 6.--Water-level measurements in selected wells, June 1984 - April 1989--Continued

[Water levels in feet below land surface]

Date	Water level	Date	Water level	Date	Water level	Date	Water level

Well UB2; USGS Site number 381533083341702; Well depth, 328 feet;
Altitude of land surface, 1,059.5 feet above sea level

Apr 29, 1987	290.90	Dec 21, 1987	299.00	Jun 10, 1988	301.39	Nov 02, 1988	302.90
May 28	301.81	Jan 21, 1988	300.23	Jul 06	297.97	Dec 01	303.72
Jul 27	300.36	Feb 23	298.04	Aug 03	300.36	Feb 16, 1989	300.09
Sep 02	301.90	Mar 16	295.77	Sep 01	300.79	Mar 15	295.02
Oct 01	301.14	May 13	306.41	Oct 04	302.49	Apr 12	291.55

Highest level, 290.90, Apr 29, 1987; lowest level, 306.41, May 13, 1988

Well UB3; USGS Site number 381534083341801; Well depth, 90.0 feet;
Altitude of land surface, 1,059.1 feet above sea level

Apr 29, 1987	84.19	Jan 21, 1988	84.05	Jul 06, 1988	83.98	Feb 16, 1989	83.79
May 28	84.16	Feb 23	84.03	Aug 03	83.93	Mar 15	83.77
Jul 27	84.14	Mar 16	84.02	Sep 01	83.93	Apr 12	83.77
Sep 02	84.13	Apr 12	84.01	Oct 04	83.92		
Oct 01	84.12	May 13	84.00	Nov 02	83.92		
Dec 21	84.08	Jun 10	84.00	Dec 01	83.89		

Highest level, 83.77, Mar 15, 1989, Apr 12, 1989; lowest level, 84.19, Apr 29, 1987

Well UB4; USGS Site number 381533083341802; Well depth, 130 feet;
Altitude of land surface, 1,060.1 feet above sea level

Apr 29, 1987	118.46	Jan 21, 1988	118.39	Jul 06, 1988	118.35	Feb 16, 1989	118.27
May 28	118.46	Feb 23	118.38	Aug 03	118.36	Mar 15	118.30
Jul 27	118.40	Mar 16	118.38	Sep 01	118.32	Apr 12	118.30
Sep 02	118.45	Apr 12	118.40	Oct 04	118.32		
Oct 01	118.40	May 13	118.38	Nov 02	118.30		
Dec 21	118.39	Jun 10	118.37	Dec 01	118.30		

Highest level, 118.27, Feb 16, 1989; lowest level, 118.46, Apr 29, 1987, May 28, 1987

Well UE1; USGS Site number 381538083342001; Well depth, 15.9 feet;
Altitude of land surface, 1,048.2 feet above sea level

Aug 08, 1984	13.20	Dec 10, 1985	13.80	Mar 06, 1987	13.90	Apr 21, 1988	13.71
10	12.78	Jan 08, 1986	13.82	Apr 02	13.72	May 12	14.03
16	12.95	Mar 12	13.72	28	13.73	Jun 10	14.01
Sep 12	13.02	Apr 15	13.56	May 27	13.73	Jul 06	13.91
Oct 12	13.03	May 14	13.57	Jun 22	13.32	Sep 01	13.49
Nov 09	13.10	Jun 11	13.43	Jul 28	13.18	Oct 04	13.14
Dec 03	13.32	Jul 08	13.48	Sep 01	13.12	Nov 02	13.08
Jan 02, 1985	13.59	Aug 05	13.35	Oct 01	13.63	03	13.03
Mar 12	13.89	Sep 03	13.19	28	13.09	Dec 01	13.47
Apr 09	14.17	17	13.25	Nov 24	13.38	28	13.56
Jun 04	13.53	Oct 02	13.12	Dec 21	12.40	Feb 16, 1989	12.15
Jul 03	13.67	Nov 03	13.17	Jan 22, 1988	13.68	17	14.17
Sep 17	13.57	Dec 04	13.47	Feb 25	14.01	Apr 13	13.90
Oct 17	13.56	Jan 07, 1987	13.43	Mar 16	14.15		
Nov 13	13.49	Feb 05	13.93	17	14.16		

Highest level, 12.15, Feb 16, 1989; lowest level, 14.17, Apr 09, 1985, Feb 17, 1989

Table 6.--Water-level measurements in selected wells, June 1984 - April 1989--Continued

[Water levels in feet below land surface]

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Well UE2; USGS Site number 381538083342002; Well depth, 15.6 feet; Altitude of land surface, 1,049.0 feet above sea level							
Aug 08, 1984	12.48	Jan 09, 1986	14.32	May 27, 1987	14.42	Jun 10, 1988	14.54
10	12.50	Mar 12	14.36	Jun 22	14.00	Jul 07	14.46
16	12.79	May 14	14.10	Jul 27	13.91	Sep 01	14.06
Dec 04	13.40	Jul 08	14.10	Sep 01	13.75	Oct 05	13.99
Jan 02, 1985	13.37	Aug 05	13.93	Oct 27	13.65	Nov 03	13.65
Mar 12	13.40	Sep 03	13.75	Nov 25	13.90	Dec 02	14.24
Apr 09	13.82	Oct 02	13.63	Dec 22	13.74	28	14.21
Jun 04	13.45	Dec 04	13.88	Jan 22, 1988	14.23	Mar 16, 1989	14.58
Jul 03	13.35	Jan 07, 1987	13.90	Feb 23	14.36	Apr 13	14.48
Oct 17	13.76	Mar 06	14.53	Mar 16	14.71		
Dec 10	13.90	Apr 03	14.44	17	14.71		
Jan 08, 1986	14.18	28	14.39	Apr 12	14.26		
Highest level, 12.48, Aug 08, 1984; lowest level, 14.71, Mar 16, 1988, Mar 17, 1988							
Well UE3; USGS Site number 381538083342003; Well depth, 15.8 feet; Altitude of land surface, 1,048.6 feet above sea level							
Aug 08, 1984	13.16	Sep 17, 1985	13.67	Jan 07, 1987	13.93	Mar 16, 1988	14.44
10	13.22	Oct 17	13.87	Feb 05	14.39	17	14.44
16	13.44	Nov 13	13.70	Mar 06	14.38	Apr 12	14.17
Sep 12	13.60	Dec 10	13.85	Apr 02	14.11	May 12	13.95
Oct 12	13.55	Jan 08, 1986	14.39	28	14.20	Jun 10	13.70
Nov 09	13.61	Mar 12	14.22	May 27	14.15	Jul 07	13.43
Dec 03	13.92	Apr 15	14.07	Jun 22	13.61	Aug 04	13.92
04	13.63	May 14	14.16	Jul 28	13.68	Sep 01	13.97
Jan 02, 1985	14.14	Jun 11	13.88	Sep 01	13.56	Oct 05	13.79
Mar 11	14.26	Jul 08	13.93	Oct 01	13.52	Nov 02	13.65
Apr 09	14.48	Aug 05	13.79	28	13.58	Dec 02	14.25
May 06	13.97	Sep 03	13.77	Nov 24	13.84	28	14.14
Jun 04	14.05	Oct 02	13.63	Jan 22, 1988	14.36	Feb 16, 1989	14.74
Jul 03	13.94	Nov 03	13.62	Feb 23	14.25	Mar 16	14.44
Aug 07	13.72	Dec 04	14.01	24	14.28	Apr 13	14.43
Highest level, 13.16, Aug 08, 1984; lowest level, 14.74, Feb 16, 1989							
Well UE7; USGS Site number 381537083342101; Well depth, 20.8 feet; Altitude of land surface, 1,050.1 feet above sea level							
Aug 03, 1984	18.61	Nov 13, 1985	14.09	Mar 06, 1987	14.75	Apr 12, 1988	14.40
08	20.70	Dec 10	14.19	Apr 02	14.54	May 12	14.85
10	13.62	Jan 08, 1986	14.66	28	14.54	Jun 10	14.75
16	13.77	Mar 12	14.57	May 27	14.59	Jul 06	14.70
Oct 12	13.92	Apr 15	14.36	Jun 22	14.16	Aug 04	14.41
Nov 09	13.96	May 15	14.48	Sep 01	13.95	Sep 01	14.3
Dec 03	14.39	Jun 11	14.25	Oct 27	14.71	Oct 05	12.23
Jan 02, 1985	14.40	Jul 08	14.28	28	13.95	Nov 02	14.08
Mar 12	14.44	Aug 05	14.20	Nov 24	14.22	Dec 02	14.49
Apr 09	14.69	Sep 03	14.07	Dec 22	13.85	28	14.42
May 06	14.30	Oct 02	14.00	Jan 22, 1988	14.74	Feb 16, 1989	14.89
Jun 04	14.28	Nov 03	14.05	Feb 23	14.82	Mar 16	14.74
Jul 03	14.20	Dec 04	14.33	24	14.87	Apr 13	14.70
Aug 07	14.01	Jan 07, 1987	14.32	Mar 16	14.93		
Sep 17	14.01	Feb 05	14.72	17	14.10		
Highest level, 12.23, Oct 05, 1988; lowest level, 20.70, Aug 08, 1984							

Table 6.--Water-level measurements in selected wells, June 1984 - April 1989--Continued

[Water levels in feet below land surface]

Date	Water level	Date	Water level	Date	Water level	Date	Water level

Well UE8; USGS Site number 381536083342201; Well depth, 22.4 feet;
Altitude of land surface, 1,052.2 feet above sea level

Aug 08, 1984	Dry	Nov 13, 1985	14.80	Feb 05, 1987	3.01	May 12, 1988	6.98
Sep 12	23.20	Dec 10	3.75	Mar 06	3.68	Jun 10	16.06
Oct 12	Dry	Jan 08, 1986	3.26	Apr 02	3.07	Jul 06	19.29
Nov 09	14.52	Mar 12	5.40	28	4.50	Aug 04	21.52
Dec 04	10.31	Apr 15	6.73	May 27	7.67	Oct 04	20.85
Jan 02, 1985	8.09	May 15	8.81	Jul 28	13.96	Nov 02	21.76
Mar 12	17.24	Jun 11	7.44	Sep 01	14.91	03	22.15
Apr 09	7.50	Jul 08	10.21	Oct 01	15.28	Dec 01	21.72
May 06	8.06	Aug 05	12.91	28	15.61	28	21.96
Jun 04	5.55	Sep 03	14.25	Nov 24	15.89	Feb 16, 1989	12.79
Jul 03	7.14	Oct 02	15.00	Dec 22	16.10	17	12.15
Aug 07	9.48	Nov 03	15.45	Jan 22, 1988	2.00	Mar 16	10.44
Sep 17	12.30	Dec 04	15.75	Mar 16	2.27	Apr 13	2.39
Oct 17	13.86	Jan 07, 1987	3.66	Apr 12	2.33		

Highest level, 2.00, Jan 22, 1988; lowest level, 23.20, Sep 12, 1984

Well UE9; USGS Site number 381540083341901; Well depth, 17.9 feet;
Altitude of land surface, 1,050.6 feet above sea level

Aug 16, 1984	14.16	Nov 13, 1985	14.29	Mar 06, 1987	5.27	Mar 16, 1988	15.31
Sep 12	14.28	Dec 10	14.57	Apr 02	3.60	Apr 12	14.98
Oct 12	15.30	Jan 08, 1986	15.34	28	12.75	May 12	15.37
Nov 09	15.40	Apr 15	14.80	May 27	12.37	Jun 10	15.30
Dec 03	14.85	May 15	14.86	Jun 22	14.59	Jul 07	15.16
Jan 02, 1985	14.89	Jun 11	14.65	Jul 28	14.39	Aug 04	14.85
Mar 12	14.86	Jul 08	14.78	Sep 01	15.38	Sep 01	14.78
Apr 09	15.30	Aug 05	14.62	Oct 01	14.24	Oct 05	14.72
May 06	14.80	Sep 03	14.41	28	14.31	Nov 02	14.44
Jun 04	14.66	Oct 02	14.41	Nov 24	14.69	Dec 02	15.05
Jul 03	14.71	Nov 03	14.47	Dec 22	13.58	28	14.61
Aug 07	14.53	Dec 04	3.07	Jan 22, 1988	14.89	Feb 16, 1989	15.34
Sep 17	14.44	Jan 07, 1987	10.04	Feb 24	15.33	Mar 16	15.28
Oct 17	14.68	Feb 05	5.24	Mar 16	15.32	Apr 13	15.07

Highest level, 3.07, Dec 04, 1986; lowest level, 15.40, Nov 09, 1984

Well UE11; USGS Site number 381539083341901; Well depth, 16.7 feet;
Altitude of land surface, 1,049.0 feet above sea level

Aug 08, 1984	16.27	Nov 13, 1985	14.11	Mar 06, 1987	14.80	Mar 16, 1988	15.14
10	15.85	Dec 10	14.20	Apr 02	14.54	17	15.14
16	15.14	Jan 08, 1986	14.48	28	14.60	Apr 12	14.64
Sep 12	13.87	Mar 12	14.59	May 27	14.53	May 12	14.87
Oct 12	13.91	Apr 15	14.50	Jun 22	14.16	Jul 06	14.81
Nov 09	14.06	May 15	14.28	Jul 27	14.07	Sep 01	14.33
Dec 03	14.12	Jun 11	14.29	Sep 01	14.03	Oct 04	14.05
Jan 02, 1985	14.49	Jul 08	14.39	Oct 01	13.86	Nov 02	14.04
Mar 11	14.47	Aug 05	14.25	27	14.75	03	14.50
Apr 09	14.75	Sep 03	14.12	28	13.97	Dec 01	14.41
May 06	14.45	Oct 02	14.00	Nov 24	14.21	28	14.26
Jun 04	14.35	Nov 03	14.21	Dec 22	14.11	Feb 16, 1989	14.85
Jul 03	14.33	Dec 04	14.11	Jan 22, 1988	14.53	17	15.30
Aug 07	14.16	Jan 07, 1987	14.35	Feb 23	14.79	Mar 16	16.02
Sep 17	14.09	Feb 05	14.73	24	15.01	Apr 13	14.81

Highest level, 13.86, Oct 01, 1987; lowest level, 16.27, Aug 08, 1984

Table 6.--Water-level measurements in selected wells, June 1984 - April 1989--Continued

[Water levels in feet below land surface]

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Well UF1; USGS Site number 381540083341801; Well depth, 18.2 feet; Altitude of land surface, 1,049.8 feet above sea level							
Jul 01, 1985	Dry	Jun 11, 1986	14.52	May 27, 1987	14.41	Jul 06, 1988	14.63
03	Dry	Jul 08	14.38	Jun 22	14.14	Aug 04	16.56
09	16.70	Aug 05	14.21	Jul 28	14.13	Sep 01	14.18
11	16.44	Sep 03	14.18	Sep 01	14.05	Oct 04	14.09
22	15.91	17	14.10	Oct 27	14.43	Nov 02	14.11
30	15.44	Oct 02	14.04	Nov 24	14.14	03	16.13
Aug 08	15.16	Nov 03	13.71	Dec 22	14.09	Dec 01	14.33
20	14.95	Dec 04	12.78	Jan 22, 1988	14.41	Feb 16, 1989	14.16
Sep 17	14.71	Jan 07, 1987	14.20	Feb 24	14.63	17	16.07
Oct 17	14.45	Feb 05	14.24	25	16.28	Apr 13	13.84
Dec 10	14.01	Mar 06	14.11	Mar 16	15.10		
Jan 08, 1986	14.50	Apr 03	14.51	Apr 12	14.97		
May 14	14.48	28	14.37	Jun 10	14.54		
Highest level, 12.78, Dec 04, 1986; lowest level, 16.70, Jul 09, 1985							
Well UF2; USGS Site number 381541083341701; Well depth, 13.1 feet; Altitude of land surface, 1,044.8 feet above sea level							
Jul 01, 1985	9.09	May 14, 1986	9.29	Feb 24, 1987	9.72	Dec 22, 1987	9.51
03	9.12	Jun 11	9.33	Mar 06	10.40	Jan 22, 1988	9.58
09	9.18	Jul 08	9.44	16	10.07	Apr 12	9.28
22	9.22	Aug 05	9.30	Apr 02	9.51	May 12	9.71
30	9.25	Sep 03	9.35	28	9.39	Jun 10	9.64
Aug 08	8.20	17	9.49	May 27	9.51	Jul 07	9.53
20	9.08	Oct 02	9.36	Jun 22	9.20	Aug 04	9.24
Oct 17	9.13	Nov 03	9.71	Jul 28	9.18	Oct 05	9.13
Dec 10	9.42	Dec 04	9.48	Sep 01	9.04	Nov 02	9.03
Jan 08, 1986	9.78	Jan 07, 1987	10.11	Oct 02	9.21	Dec 02	8.76
Mar 12	9.71	Feb 05	10.15	28	9.50	28	9.09
Apr 15	9.37	16	10.09	Nov 24	9.48	Apr 13, 1989	9.57
Highest level, 8.20, Aug 08, 1985; lowest level, 10.40, Mar 06, 1987							
Well UF3; USGS Site number 381542083341601; Well depth, 13.4 feet; Altitude of land surface, 1,045.2 feet above sea level							
Jul 01, 1985	Dry	Jul 08, 1986	Dry	May 28, 1987	Dry	May 12, 1988	Dry
03	Dry	Aug 05	Dry	Jun 22	Dry	Jun 10	Dry
09	Dry	Sep 03	Dry	Jul 28	Dry	Jul 07	Dry
22	Dry	17	Dry	Sep 01	Dry	Aug 04	Dry
30	Dry	Oct 02	Dry	Oct 01	Dry	Sep 01	Dry
Aug 08	Dry	Nov 03	Dry	28	Dry	Oct 05	Dry
20	Dry	Dec 04	Dry	Nov 24	Dry	Nov 02	Dry
Oct 07	Dry	Jan 07, 1987	Dry	Dec 22	Dry	Dec 02	Dry
Dec 10	Dry	Feb 06	Dry	Jan 22, 1988	Dry	28	Dry
Jan 08, 1986	Dry	Mar 06	Dry	Feb 24	Dry	Feb 16, 1989	Dry
Mar 12	Dry	Apr 02	Dry	Mar 16	Dry	Mar 16	Dry
Apr 15	Dry	28	Dry	Apr 12	Dry	Apr 13	Dry

Table 6.--Water-level measurements in selected wells, June 1984 - April 1989--Continued

[Water levels in feet below land surface]

Date	Water level	Date	Water level	Date	Water level	Date	Water level

Well UF4; USGS Site number 381543083341601; Well depth, 13.4 feet;
Altitude of land surface, 1,044.7 feet above sea level

Jul 01, 1985	Dry	Mar 12, 1986	Dry	Feb 06, 1987	13.30	Nov 24, 1987	13.2
03	Dry	Apr 15	Dry	Mar 06	Dry	Dec 22	Dry
09	Dry	Jul 08	13.30	Apr 02	Dry	Jan 22, 1988	12.10
22	Dry	Aug 05	13.20	28	Dry	Feb 24	12.59
30	Dry	Sep 03	13.20	May 27	Dry	Mar 16	12.85
Aug 08	Dry	17	13.10	Jun 22	Dry	Apr 12	10.83
20	Dry	Oct 02	13.00	Jul 28	13.20	May 12	11.23
Oct 17	Dry	Nov 03	13.00	Sep 01	13.30	Jun 10	12.19
Dec 10	Dry	Dec 04	13.20	Oct 01	Dry	Jul 07	12.44
Jan 08, 1986	Dry	Jan 07, 1987	13.30	28	13.30	Apr 13, 1989	10.39

Highest level, 10.39, Apr 13, 1989;
lowest level, 13.30, Jul 08, 1986, Jan 07, 1987, Feb 06, 1987, Sep 01, 1987, Oct 28, 1987

Well UF5; USGS Site number 381543083341501; Well depth, 17.5 feet;
Altitude of land surface, 1,047.9 feet above sea level

Jul 01, 1985	16.77	Jun 11, 1986	16.74	May 27, 1987	16.89	Apr 12, 1988	16.99
03	16.73	Jul 08	16.72	Jun 22	16.74	May 11	Dry
09	16.72	Aug 05	16.60	Jul 28	16.66	Jun 10	16.90
22	16.68	Sep 03	16.57	Sep 01	16.61	Jul 06	16.90
30	16.69	17	16.60	Oct 01	16.62	Sep 01	16.78
Aug 08	16.65	Oct 02	16.59	28	16.69	Oct 04	16.70
20	16.64	Nov 03	16.72	Nov 24	16.81	Nov 02	16.78
Oct 17	16.68	Dec 01	16.77	Dec 22	16.89	Dec 01	17.07
Dec 10	16.77	Jan 07, 1987	17.04	Jan 22, 1988	16.88	28	16.79
Jan 08, 1986	16.89	Feb 06	17.06	Feb 24	17.00	Feb 16, 1989	16.41
Mar 12	16.87	Mar 06	17.18	25	16.97	17	16.62
Apr 15	16.77	Apr 02	16.94	Mar 16	17.09	Mar 16	17.37
May 15	16.79	28	16.95	17	17.10	Apr 13	16.75

Highest level, 16.41, Feb 16, 1989; lowest level, 17.37, Mar 16, 1989

Well UF6; USGS Site number 381544083341401; Well depth, 16.2 feet;
Altitude of land surface, 1,047.2 feet above sea level

Jul 01, 1985	Dry	May 15, 1986	15.73	May 27, 1987	15.95	May 11, 1988	Dry
02	Dry	Jun 11	15.79	Jun 22	15.95	Jun 10	16.05
03	Dry	Jul 08	15.85	Jul 28	15.95	Jul 07	16.05
09	Dry	Aug 05	15.85	Sep 01	15.95	Aug 04	16.05
22	Dry	Sep 03	15.85	Oct 01	15.95	Sep 01	16.05
30	Dry	Oct 02	15.85	28	16.15	Oct 05	16.05
Aug 08	Dry	Nov 03	16.05	Nov 24	16.15	Nov 02	16.05
20	Dry	Dec 04	16.05	Dec 22	Dry	Dec 02	15.95
Oct 17	Dry	Jan 07, 1987	Dry	Jan 22, 1988	Dry	28	15.95
Dec 10	16.05	Feb 06	Dry	Feb 24	Dry	Feb 16, 1989	16.15
Jan 08, 1986	15.85	Mar 06	Dry	Mar 16	Dry	Mar 16	Dry
Mar 12	15.44	Apr 02	15.95	17	Dry	Apr 13	Dry
Apr 15	15.74	28	15.85	Apr 12	Dry		

Highest level, 15.44, Mar 12, 1986; lowest level, 16.15, Oct 28, 1987, Nov 24, 1987, Feb 16, 1989

Well UF7; USGS Site number 381544083341301; Well depth, 16.7 feet;
Altitude of land surface, 1,047.0 feet above sea level

Jul 01, 1985	Dry	Jul 03, 1985	Dry	Jul 22, 1985	16.45	Aug 08, 1985	16.40
02	Dry	09	Dry	30	16.34	20	16.39

Highest level, 16.34, Jul 30, 1985; lowest level, 16.45, Jul 22, 1985

Table 6.--Water-level measurements in selected wells, June 1984 - April 1989--Continued

[Water levels in feet below land surface]

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Well UF8; USGS Site number 381544083341201; Well depth, 21.2 feet; Altitude of land surface, 1,051.9 feet above sea level							
Jul 02, 1985	Dry	Jun 11, 1986	20.90	May 27, 1987	20.90	May 12, 1988	21.00
03	Dry	Jul 08	21.00	Jun 22	21.00	Jun 10	21.00
09	Dry	Aug 05	21.00	Jul 28	21.00	Jul 07	21.10
22	Dry	Sep 03	21.00	Sep 01	21.10	Aug 04	21.00
30	21.10	Oct 02	20.80	Oct 01	20.80	Sep 01	21.00
Aug 08	21.10	Nov 03	21.00	28	20.90	Oct 05	20.90
20	21.10	Dec 04	21.00	Nov 24	21.00	Nov 02	20.90
Oct 17	21.00	Jan 07, 1987	21.00	Dec 22	21.00	Dec 02	20.72
Dec 10	20.80	Feb 06	21.00	Jan 22, 1988	20.90	28	21.12
Jan 08, 1986	20.93	Mar 06	21.00	Feb 24	20.80	Feb 16, 1989	21.11
Apr 15	20.80	Apr 02	20.90	Mar 17	21.00	Mar 16	20.70
May 15	21.00	28	20.90	Apr 11	Dry	Apr 13	21.10
Highest level, 20.70, Mar 16, 1989; lowest level, 21.12, Dec 28, 1988							
Well UF9; USGS Site number 381543083341101; Well depth, 24.2 feet; Altitude of land surface, 1,055.3 feet above sea level							
Jul 02, 1985	Dry	Jan 07, 1987	24.10	Oct 28, 1987	Dry	Aug 04, 1988	Dry
03	Dry	Feb 06	24.00	Nov 11	Dry	Sep 01	Dry
09	Dry	Mar 06	Dry	Dec 22	Dry	Oct 05	Dry
22	Dry	Apr 02	Dry	Jan 22, 1988	Dry	Nov 02	Dry
30	Dry	28	Dry	Feb 24	Dry	Dec 02	Dry
Aug 08	Dry	May 27	Dry	Mar 17	Dry	28	Dry
20	Dry	Jun 22	Dry	Apr 11	Dry	Feb 02, 1989	Dry
Oct 17	23.05	Jul 28	Dry	May 12	Dry	Mar 16	Dry
Apr 15, 1986	Dry	Sep 01	Dry	Jun 10	24.00	Apr 13	Dry
Oct 02	23.66	Oct 01	Dry	Jul 07	24.10		
Highest level, 23.05, Oct 17, 1985; lowest level, 24.10, Jan 07, 1987, Jul 07, 1988							
Well UF10; USGS Site number 381542083341001; Well depth, 27.8 feet; Altitude of land surface, 1,057.5 feet above sea level							
Jul 03, 1985	27.58	Apr 02, 1987	10.85	Jan 22, 1988	17.46	Oct 04, 1988	23.56
22	26.97	28	11.27	Feb 24	16.68	Nov 02	26.59
30	26.16	May 27	11.64	25	27.44	Dec 02	24.03
Aug 08	24.36	Jun 22	11.80	Mar 17	26.27	28	24.99
20	23.25	Jul 28	11.63	Apr 11	27.12	Feb 17, 1989	27.48
Oct 17	16.38	Sep 01	11.10	May 11	26.31	Mar 16	25.99
Apr 15, 1986	12.07	Oct 01	10.49	Jun 10	26.00	Apr 13	26.06
Oct 02	10.50	28	23.46	Jul 06	25.83		
Feb 06, 1987	9.91	Nov 24	20.61	Aug 03	25.20		
Mar 06	10.37	Dec 22	18.76	Sep 01	24.37		
Highest level, 9.91, Feb 06, 1987; lowest level, 27.58, Jul 03, 1985							
Well UF11; USGS Site number 381542083340901; Well depth, 25.8 feet; Altitude of land surface, 1056.2 feet above sea level							
Jul 03, 1985	Dry	Aug 08, 1985	22.80	Oct 02, 1986	12.74	Oct 20, 1988	5.67
09	Dry	20	22.05	Apr 04, 1987	5.31	Apr 13, 1989	7.19
22	25.06	Oct 17	19.37	Oct 01	3.57		
30	24.24	Apr 16, 1986	13.53	Apr 11, 1988	6.78		

Table 6.--Water-level measurements in selected wells, June 1984 - April 1989--Continued

[Water levels in feet below land surface]

Date	Water level	Date	Water level	Date	Water level	Date	Water level

Well UF12; USGS Site number 381541083340801; Well depth, 24.8 feet;
Altitude of land surface, 1,054.3 feet above sea level

Jul 22, 1985	24.30	Aug 20, 1985	24.30	Oct 02, 1986	20.19	Apr 11, 1988	20.97
30	24.42	Oct 17	24.40	May 02, 1987	20.88	Oct 20	20.53
Aug 08	24.31	Apr 16, 1986	21.45	Oct 01	20.32	Apr 13, 1989	20.38

Highest level, 20.19, Oct 02, 1986; lowest level, 24.42, Jul 30, 1985

Well UF13; USGS Site number 381541083340701; Well depth, 23.8 feet;
Altitude of land surface, 1,053.0 feet above sea level

Jul 22, 1985	18.27	Aug 20, 1985	17.92	Oct 02, 1986	18.26	Apr 11, 1988	20.61
30	18.13	Oct 17	17.64	Apr 02, 1987	21.33	Oct 20	17.45
Aug 08	17.67	Apr 16, 1986	20.22	Oct 01	15.40	Apr 13, 1989	11.84

Highest level, 11.84, Apr 13, 1989; lowest level, 21.33, Apr 02, 1987

Well UF14; USGS Site number 381540083340601; Well depth, 23.2 feet;
Altitude of land surface, 1,052.0 feet above sea level

Jul 22, 1985	22.61	Aug 20, 1985	22.36	Oct 02, 1986	19.80	Apr 11, 1988	21.97
30	22.59	Oct 17	21.06	Apr 02, 1987	21.61	Oct 20	21.71
Aug 08	22.11	Jul 16, 1986	21.54	Oct 01	20.43	Apr 13, 1989	22.31

Highest level, 19.80, Oct 02, 1986; lowest level, 22.61, Jul 22, 1985

Well UF15; USGS Site number 381539083340501; Well depth, 20.3 feet;
Altitude of land surface, 1,049.0 feet above sea level

Jul 22, 1985	Dry	Aug 20, 1985	19.35	Oct 02, 1986	17.16	Apr 11, 1988	19.55
30	Dry	Oct 17	18.27	Apr 02, 1987	19.17	Oct 20	19.11
Aug 08	19.50	Apr 16, 1986	19.00	Oct 01	17.79	Apr 13, 1989	19.64

Highest level, 17.16, Oct 02, 1986; lowest level, 19.64, Apr 13, 1989

Well UF16; USGS Site number 381539083340401; Well depth, 17.7 feet;
Altitude of land surface, 1,046.0 feet above sea level

Jul 22, 1985	16.09	Aug 20, 1985	14.78	Apr 02, 1987	17.38	Apr 13, 1989	17.58
26	16.00	Oct 17	14.88	Oct 01	14.84		
30	15.68	Apr 16, 1986	16.66	Apr 11, 1988	17.23		
Aug 08	14.95	Oct 02	14.60	Oct 20	16.27		

Highest level, 14.60, Oct 02, 1986; lowest level, 17.58, Apr 13, 1989

Well UF17; USGS Site number 381538083340301; Well Depth, 42.0 feet;
Altitude of land surface, 1,043.8 feet above sea level

Jul 22, 1985	26.60	Aug 20, 1985	25.86	Apr 02, 1987	25.35	Apr 13, 1989	26.66
26	27.38	Oct 17	25.12	Oct 01	24.82		
30	26.24	Apr 16, 1986	25.53	Apr 11, 1988	25.84		
Aug 08	26.05	Oct 02	24.44	Oct 20	25.85		

Highest level, 24.44, Oct 02, 1986; lowest level, 27.38, Jul 26, 1985

Table 6.--Water-level measurements in selected wells, June 1984 - April 1989--Continued

[Water levels in feet below land surface]

Date	Water level	Date	Water level	Date	Water level	Date	Water level

Well UF18; USGS Site number 381538083340201; Well depth, 41.9 feet;
Altitude of land surface, 1,042.3 feet above sea level

Jul 22, 1985	Dry	Aug 20, 1985	41.80	Apr 12, 1987	23.67	Apr 12, 1989	24.71
26	Dry	Oct 17	38.54	Oct 01	23.01		
30	Dry	Apr 16, 1986	30.50	Apr 11, 1988	24.13		
Aug 08	Dry	Oct 02	23.92	Oct 20	23.77		

Highest level, 23.01, Oct 01, 1987; lowest level, 41.80, Aug 20, 1985

Well UF19; USGS Site number 381537083340301; Well depth, 38.7 feet;
Altitude of land surface, 1,044.3 feet above sea level

Jul 22, 1985	Dry	Aug 20, 1985	Dry	Apr 02, 1987	28.48	Apr 12, 1989	27.33
26	Dry	Oct 17	38.35	Oct 01	28.47		
30	Dry	Apr 16, 1986	32.99	Apr 11, 1988	26.70		
Aug 08	Dry	Oct 02	30.91	Oct 19	29.22		

Highest level, 26.70, Apr 11, 1988; lowest level, 38.35, Oct 17, 1985

Well UF20; USGS Site number 381536083340401; Well depth, 41.5 feet;
Altitude of land surface, 1,044.5 feet above sea level

Jul 26, 1985	Dry	Aug 20, 1985	39.17	Oct 02, 1986	27.15	Apr 11, 1988	25.12
30	41.30	Oct 17	29.15	Apr 02, 1987	25.29	Oct 19	25.24
Aug 08	41.20	Apr 16, 1986	25.29	Oct 01	23.77	Apr 12, 1989	25.54

Highest level, 23.77, Oct 01, 1987; lowest level, 41.30, Jul 30, 1985

Well UF21; USGS Site number 381535083340401; Well depth, 35.7 feet;
Altitude of land surface, 1,040.7 feet above sea level

Jul 26, 1985	35.6	Aug 20, 1985	35.65	Oct 02, 1986	34.32	Apr 11, 1988	33.77
30	35.6	Oct 17	35.60	Apr 02, 1987	34.09	Oct 19	33.09
Aug 08	35.6	Apr 16, 1986	34.63	Oct 01	32.96	Apr 12, 1989	33.61

Highest level, 32.96, Oct 01, 1987; lowest level, 35.65, Aug 20, 1985

Well UF22; USGS Site number 381534083340501; Well depth, 31.4 feet;
Altitude of land surface, 1,035.0 feet above sea level

Jul 26, 1985	Dry	Aug 20, 1985	31.30	Oct 02, 1986	30.18	Apr 11, 1988	30.72
30	Dry	Oct 17	30.54	Apr 02, 1987	30.01	Oct 19	30.44
Aug 08	Dry	Apr 16, 1986	30.05	Oct 01	30.22	Apr 12, 1989	30.32

Highest level, 30.01, Apr 02, 1987; lowest level, 31.30, Aug 20, 1985

Well UF23; USGS Site number 381534083340601; Well depth, 26.6 feet;
Altitude of land surface, 1,030.0 feet above sea level

Jul 26, 1985	Dry	Apr 02, 1987	23.25	Jul 06, 1988	25.46	Feb 16, 1989	24.32
30	26.50	Oct 01	23.93	Aug 03	25.79	17	25.81
Aug 08	26.50	Feb 24, 1988	23.76	31	25.83	Mar 15	22.86
20	26.50	25	25.54	Oct 04	Dry	16	24.72
Oct 17	26.40	Mar 17	25.43	Nov 02	25.79	Apr 13	19.08
Apr 16, 1986	24.49	Apr 13	26.12	Dec 01	25.98		
Oct 02	23.64	May 11	24.54	28	25.99		

Highest level, 19.08, Apr 13, 1989; lowest level, 26.50, Jul 30, 1985, Aug 08, 1985, Aug 20, 1985

Table 6.--Water-level measurements in selected wells, June 1984 - April 1989--Continued

[Water levels in feet below land surface]

Date	Water level	Date	Water level	Date	Water level	Date	Water level

Well UF24; USGS Site number 381533083340601; Well depth, 26.7 feet;
Altitude of land surface, 1,030.9 feet above sea level

Jul 26, 1985	23.16	Oct 17, 1985	15.08	Apr 02, 1987	13.50	Oct 19, 1988	15.84
30	19.09	Apr 16, 1986	12.66	Oct 01	14.65	Apr 12, 1989	13.38
Aug 08	14.89	Oct 02	14.87	Apr 11, 1988	14.93		

Highest level, 12.66, Apr 16, 1986; lowest level, 23.16, Jul 26, 1985

Well UF25; USGS Site number 381532083340702; Well depth, 27.2 feet;
Altitude of land surface, 1,035.0 feet above sea level

Jul 26, 1985	26.94	Aug 20, 1985	19.85	Oct 02, 1986	20.05	Apr 11, 1988	21.44
30	23.93	Oct 17	19.94	Apr 02, 1987	19.80	Oct 19	20.90
Aug 08	21.25	Apr 16, 1986	18.63	Oct 01	20.03	Apr 12, 1989	19.89

Highest level, 18.63, Apr 16, 1986; lowest level, 26.94, Jul 26, 1985

Well UF26; USGS Site number 381531083340801; Well depth, 25.3 feet;
Altitude of land surface, 1,030.8 feet above sea level

Jul 26, 1985	22.83	Apr 28, 1987	21.38	Feb 24, 1988	18.67	Nov 02, 1988	17.83
30	17.84	May 27	16.58	25	22.57	Dec 01	18.17
Aug 08	16.43	Jun 22	16.43	Mar 17	18.81	28	18.25
20	16.46	Jul 26	16.41	Apr 11	18.50	Feb 16, 1989	18.39
Oct 17	17.03	Sep 02	16.66	May 11	18.25	17	22.64
Apr 16, 1986	15.90	Oct 01	16.84	Jul 06	18.06	Mar 15	17.99
Oct 02	16.84	Dec 21	18.46	Aug 31	17.59	16	21.42
Apr 02, 1987	17.17	Jan 21, 1988	18.84	Oct 04	17.39	Apr 13	17.60

Highest level, 15.90, Apr 16, 1986; lowest level, 22.83, Jul 26, 1985

Well UF27; USGS Site number 381530083340901; Well depth, 16.5 feet;
Altitude of land surface, 1,021.7 feet above sea level

Jul 26, 1985	12.83	Aug 20, 1985	7.31	Oct 02, 1986	8.48	Oct 01, 1987	8.72
30	6.34	Oct 17	8.40	Apr 02, 1987	7.84	19	9.45
Aug 08	7.10	Apr 16, 1986	6.64	11	8.51	Apr 12, 1989	8.20

Highest level, 6.34, Jul 30, 1985; lowest level, 12.83, Jul 26, 1985

Well UF28; USGS Site number 381529083340901; Well depth, 19.2 feet;
Altitude of land surface, 1,019.6 feet above sea level

Jul 30, 1985	17.70	Oct 17, 1985	17.35	Apr 02, 1987	16.32	Oct 19, 1988	17.55
Aug 08	17.38	Apr 16, 1986	16.57	Oct 01	17.28	Apr 12, 1989	16.05
20	17.12	Oct 02	17.35	Apr 11, 1988	16.56		

Highest level, 16.05, Apr 12, 1989; loweat level, 17.70, Jul 30, 1985

Well UF29; USGS Site number 381529083341001; Well depth, 20.3 feet;
Altitude of land surface, 1,021.1 feet above sea level

Jul 30, 1985	19.24	Oct 17, 1985	18.08	Apr 02, 1987	17.45	Oct 19, 1988	18.17
Aug 08	17.57	Apr 16, 1986	17.32	Oct 01	18.07	Apr 12, 1989	17.95
20	17.81	Oct 02	17.93	Apr 11, 1988	17.74		

Highest level, 17.32, Apr 16, 1986; lowest level, 19.24, Jul 30, 1985

Table 6.--Water-level measurements in selected wells, June 1984 - April 1989--Continued

[Water levels in feet below land surface]

Date	Water level	Date	Water level	Date	Water level	Date	Water level

Well UF30; USGS Site number 381528083341101; Well depth, 23.6 feet;
Altitude of land surface, 1,024.4 feet above sea level

Aug 08, 1985	Dry	Apr 16, 1986	Dry	Oct 02, 1987	23.20	Apr 12, 1989	23.07
20	Dry	Oct 02	23.40	Apr 11, 1988	23.30		
Oct 17	Dry	Apr 02, 1987	23.30	Oct 19	23.40		

Highest level, 23.07, Apr 12, 1989; lowest level, 23.40, Oct 02, 1986, Oct 19, 1988

Well UF31; USGS Site number 381527083341101; Well depth, 29.3 feet;
Altitude of land surface, 1,030.3 feet above sea level

Aug 08, 1985	25.07	Apr 16, 1986	29.10	Oct 02, 1987	23.71	Apr 12, 1989	25.39
20	24.42	Oct 02	27.99	Apr 11, 1988	27.12		
Oct 17	28.29	Apr 02, 1987	29.00	Oct 19	23.32		

Highest level, 23.32, Oct 19, 1988; lowest level, 29.10, Apr 16, 1986

Well UF32; USGS Site number 381526083341201; Well depth, 31.4 feet;
Altitude of land surface, 1,035.9 feet above sea level

Aug 08, 1985	Dry	Apr 16, 1986	15.56	Oct 02, 1987	17.59	Apr 12, 1989	7.70
20	Dry	Oct 02	18.05	Apr 11, 1988	17.48		
Oct 17	31.30	Apr 02, 1987	18.89	Oct 19	18.62		

Highest level, 7.70, Apr 12, 1989; lowest level, 31.30, Oct 17, 1985

Well UF33; USGS Site number 381525083341201; Well depth, 14.8 feet;
Altitude of land surface, 1,038.2 feet above sea level

Aug 20, 1985	Dry	Oct 02, 1986	11.12	Apr 11, 1988	10.56
Oct 17	Dry	Apr 02, 1987	10.50	Oct 19	10.62
Apr 16, 1986	11.88	Oct 02	10.23	Apr 12, 1989	10.46

Highest level, 10.23, Oct 02, 1987; lowest level, 11.88, Apr 16, 1986

Well UF34; USGS Site number 381524083341301; Well depth, 21.7 feet;
Altitude of land surface, 1,041.3 feet above sea level

Aug 20, 1985	Dry	Oct 02, 1986	7.50	Apr 11, 1988	9.07
Oct 17	21.30	Apr 02, 1987	7.75	Oct 19	8.99
Apr 16, 1986	7.99	Oct 02	6.40	Apr 12, 1989	8.00

Highest level, 6.40, Oct 02, 1987; lowest level, 21.30, Oct 17, 1985

Well UF35; USGS Site number 381523083341301; Well depth, 21.5 feet;
Altitude of land surface, 1,043.6 feet above sea level

Aug 20, 1985	Dry	Sep 17, 1986	14.86	Apr 28, 1987	13.17	Oct 19, 1988	19.85
Oct 17	Dry	Oct 02	14.64	Oct 02	11.58	Apr 12, 1989	9.67
Apr 16, 1986	19.33	Apr 02, 1987	13.33	Apr 11, 1988	20.27		

Highest level, 9.67, Apr 12, 1989; lowest level, 20.27, Apr 11, 1988

Table 6.--Water-level measurements in selected wells, June 1984 - April 1989--Continued

[Water levels in feet below land surface]

Date	Water level	Date	Water level	Date	Water level	Date	Water level

Well UF36; USGS Site number 381523083341401; Well depth, 26.6 feet;
Altitude of land surface, 1,046.1 feet above sea level

Aug 20, 1985	Dry	Sep 18, 1986	12.13	Oct 01, 1987	9.22	Apr 12, 1989	6.76
Oct 17	Dry	Oct 02	12.12	Apr 11, 1988	7.44		
Apr 16, 1986	11.25	Apr 02, 1987	12.92	Oct 19	7.60		

Highest level, 6.76, Apr 12, 1989; lowest level, 12.92, Apr 02, 1987

Well UF37; USGS Site number 381524083341601; Well depth, 21.9 feet;
Altitude of land surface, 1,047.7 feet above sea level

Aug 20, 1985	12.30	Jun 22, 1987	14.14	Feb 25, 1988	11.20	Oct 05, 1988	9.27
Sep 18	13.46	Jul 28	12.93	Mar 17	9.04	Dec 02	8.72
Oct 17	14.62	Sep 02	12.16	Apr 11	9.00	29	8.97
Apr 16, 1986	11.65	Oct 01	12.02	May 12	9.85	Apr 14, 1989	8.34
Oct 02	13.58	Dec 21	11.50	Jun 10	9.98		
Apr 02, 1987	14.50	Jan 21, 1988	11.30	Jul 07	10.01		
May 27	15.37	Feb 24	10.78	Sep 01	9.19		

Highest level, 8.34, Apr 14, 1989; lowest level, 15.37, May 27, 1987

Well UF38; USGS Site number 381525083341701; Well depth, 13.1 feet;
Altitude of land surface, 1,046.8 feet above sea level

Aug 20, 1985	11.01	Oct 02, 1986	10.81	Oct 26, 1987	9.73	Apr 12, 1989	8.09
Oct 17	11.86	Apr 02, 1987	12.74	Apr 11, 1988	9.10		
Apr 16, 1986	10.34	Oct 01	9.23	Oct 19	8.02		

Highest level, 8.02, Oct 19, 1988; lowest level, 12.74, Apr 02, 1987

Well UF39; USGS Site number 381525083341801; Well depth, 16.8 feet;
Altitude of land surface, 1,043.6 feet above sea level

Aug 20, 1985	Dry	Oct 02, 1986	7.37	Oct 26, 1987	7.85	Apr 12, 1989	7.01
Oct 17	13.99	Apr 02, 1987	7.84	Apr 11, 1988	8.46		
Apr 16, 1986	7.57	Oct 01	7.11	Oct 19	7.39		

Highest level, 7.01, Apr 12, 1989; lowest level, 8.46, Apr 11, 1988

Well UF40; USGS Site number 381526083341901; Well depth, 7.1 feet;
Altitude of land surface, 1,041.8 feet above sea level

Aug 20, 1985	Dry	Oct 02, 1986	6.80	Oct 26, 1987	Dry	Apr 12, 1989	4.92
Oct 17	7.00	Apr 02, 1987	6.09	Apr 11, 1988	5.77		
Apr 16, 1986	5.57	Oct 01	6.90	Oct 19	6.80		

Highest level, 4.92, Apr 12, 1989; lowest level, 7.00, Oct 17, 1985

Well UF41; USGS Site number 381526083342001; Well depth, 33.3 feet;
Altitude of land surface, 1,041.1 feet above sea level

Aug 20, 1985	Dry	Oct 02, 1986	17.45	Oct 26, 1987	25.72	Apr 12, 1989	15.37
Oct 17	30.65	Apr 02, 1987	19.81	Apr 11, 1988	18.67		
Apr 16, 1986	19.82	Oct 01	19.38	Oct 19	19.94		

Highest level, 15.37, Apr 12, 1989; lowest level, 30.65, Oct 17, 1985

Table 6.--Water-level measurements in selected wells, June 1984 - April 1989--Continued

[Water levels in feet below land surface]

Date	Water level	Date	Water level	Date	Water level	Date	Water level

Well UF42; USGS Site number 381527083342101; Well depth, 11.5 feet;
Altitude of land surface, 1,038.6 feet above sea level

Aug 20, 1985	8.85	Oct 02, 1986	5.44	Oct 26, 1987	6.95	Apr 12, 1989	5.76
Oct 17	6.91	Apr 02, 1987	6.55	Apr 11, 1988	6.90		
Apr 16, 1986	5.67	Oct 01	5.52	Oct 19	6.84		

Highest level, 5.44, Oct 02, 1986; lowest level, 8.85, Aug 20, 1985

Well UF43; USGS Site number 381530083342701; Well depth, 22.0 feet;
Altitude of land surface, 1,051.7 feet above sea level

Sep 05, 1985	Dry	Apr 15, 1986	21.46	Apr 02, 1987	21.70	Oct 19, 1988	21.70
Oct 17	Dry	Oct 02	21.40	Oct 01	21.60	Apr 13, 1989	21.76
Jan 08, 1986	21.70	26	21.80	Apr 12, 1988	21.99		

Highest level, 21.40, Oct 02, 1986; lowest level, 21.99, Apr 12, 1988

Well UF44; USGS Site number 381531083342601; Well depth, 20.8 feet;
Altitude of land surface, 1,052.7 feet above sea level

Sep 05, 1985	Dry	Apr 15, 1986	18.07	Oct 01, 1987	16.75	Oct 19, 1988	17.32
Oct 17	Dry	Oct 02	16.78	26	16.86	Apr 13, 1989	18.10
Jan 08, 1986	19.95	Apr 02, 1987	17.51	Apr 11, 1988	17.94		

Highest level, 16.75, Oct 01, 1987; lowest level, 19.95, Jan 08, 1986

Well UF45; USGS Site number 381532083342501; Well depth, 18.9 feet;
Altitude of land surface, 1,053.1 feet above sea level

Sep 05, 1985	Dry	Oct 01, 1987	15.26	Jul 06, 1988	17.93	Feb 16, 1989	18.37
Oct 17	Dry	Feb 24, 1988	15.41	Aug 04	17.22	17	18.70
Jan 08, 1986	18.61	25	17.93	Sep 01	17.81	Mar 15	18.67
Apr 15	16.58	Mar 16	18.15	Oct 04	17.77	Apr 13	18.39
Oct 02	15.32	17	18.13	19	18.38		
26	15.38	Apr 12	18.70	Dec 01	18.34		
Apr 02, 1987	15.20	May 11	Dry	28	18.27		

Highest level, 15.20, Apr 02, 1987; lowest level, 18.70, Apr 12, 1988

Well UF46; USGS Site number 381533083342401; Well depth, 20.3 feet;
Altitude of land surface, 1,051.6 feet above sea level

Sep 05, 1985	Dry	Apr 15, 1986	Dry	Apr 02. 1987	19.54	Oct 19, 1988	19.84
Oct 17	Dry	Oct 02	19.14	Oct 01	19.28	Apr 13, 1989	20.14
Jan 08, 1986	Dry	26	19.29	Apr 12, 1988	19.48		

Highest level, 19.14, Oct 02, 1986; lowest level, 20.14, Apr 13, 1989

Well UF47; USGS Site number 381534083342401; Well depth, 27.2 feet;
Altitude of land surface, 1,051.4 feet above sea level

Sep 05, 1985	Dry	Jan 08, 1986	Dry	Apr 02, 1987	19.49	Apr 11, 1988	19.31
Oct 17	Dry	Apr 15	25.68	Oct 01	19.56	Oct 19	19.98
Dec 10	27.10	Oct 02	19.18	26	19.64	Apr 13, 1989	19.02

Highest level, 19.02, Apr 13, 1989; lowest level, 27.10, Dec 10, 1985

Table 6.--Water-level measurements in selected wells, June 1984 - April 1989--Continued

[Water levels in feet below land surface]

Date	Water level	Date	Water level	Date	Water level	Date	Water level

Well UF48; USGS Site number 381534083342301; Well depth, 12.9 feet;
Altitude of land surface, 1,051.6 feet above sea level

Aug 20, 1985	Dry	Oct 02, 1986	11.68	Mar 16, 1988	Dry	Feb 16, 1989	11.61
Oct 17	Dry	Apr 02, 1987	Dry	Apr 11	Dry	Apr 13	Dry
Dec 10	11.45	Oct 01	11.42	Oct 05	11.92		
Jan 08, 1986	10.55	26	11.87	19	12.23		
Apr 15	10.97	Feb 24, 1988	Dry	Nov 02	12.51		

Highest level, 10.55, Jan 08, 1986; lowest level, 12.51, Nov 02, 1988

Well UF49; USGS Site number 381535083342201; Well depth, 16.6 feet;
Altitude of land surface, 1,053.2 feet above sea level

Aug 20, 1985	Dry	Oct 02, 1986	Dry	Sep 01, 1987	15.82	Jun 10, 1988	15.93
Oct 17	Dry	Nov 03	Dry	Oct 01	15.90	Jul 06	16.30
Dec 10	Dry	Dec 04	13.94	28	15.95	Aug 04	15.27
Jan 08, 1986	Dry	Jan 07, 1987	16.06	Nov 24	16.06	Oct 05	15.49
Mar 12	Dry	Feb 05	16.30	Dec 22	16.20	19	15.66
Apr 15	Dry	Mar 03	16.30	Jan 22, 1988	15.21	Nov 02	15.82
May 15	Dry	Apr 02	Dry	Feb 24	14.27	Dec 02	15.52
Jun 11	Dry	28	16.50	Mar 16	14.89	28	14.42
Jul 08	Dry	May 27	Dry	17	14.91	Feb 16, 1989	14.39
Aug 05	Dry	Jun 22	Dry	Apr 12	14.18	Mar 15	14.82
Sep 03	Dry	Jul 28	15.51	May 11	15.42	Apr 13	14.93

Well UG1; USGS Site number 381540083341601; Well depth, 20.0 feet;
Altitude of land surface, 1,052.4 feet above sea level

Jul 03, 1985	19.56	May 14, 1986	17.02	Feb 06, 1987	17.14	Dec 21, 1987	16.85
19	17.81	Jun 11	16.92	Mar 05	17.35	Jan 21, 1988	17.09
22	16.97	Jul 08	16.96	Apr 03	17.07	Mar 16	17.34
30	16.51	Aug 05	16.53	10	17.09	Apr 12	17.29
Aug 08	16.15	Sep 03	16.38	12	17.09	Jun 09	17.19
20	15.98	Oct 31	16.54	28	17.06	Jul 06	17.08
Oct 17	15.52	Dec 04	16.49	May 27	17.01	Aug 03	16.74
Nov 13	15.68	18	16.55	Jun 23	16.57	Sep 01	16.43
Dec 10	16.03	19	16.87	Jul 27	16.36	Oct 05	16.30
Jan 08, 1986	16.61	Jan 06, 1987	16.87	Sep 02	16.44	Nov 02	16.28
Mar 12	17.28	07	19.14	Oct 28	16.32	Dec 01	16.60
Apr 16	17.10	22	16.76	Nov 25	16.59	Apr 14, 1989	17.15

Highest level, 15.52, Oct 17, 1985; lowest level, 19.56, Jul 03, 1985

Well UG2; USGS Site number 381539083341501; Well depth, 24.6 feet;
Altitude of land surface, 1,054.4 feet above sea level

Aug 20, 1985	18.52	Sep 03, 1986	18.41	Jul 27, 1987	18.42	Jun 09, 1988	18.87
Oct 17	18.66	Oct 03	18.25	Sep 02	18.27	Jul 06	19.22
Nov 13	18.47	Nov 04	18.32	Oct 02	18.02	Aug 03	18.87
Dec 10	18.52	Dec 04	18.63	Nov 24	18.61	Sep 01	18.46
Jan 08, 1986	19.06	Jan 07, 1987	18.59	Dec 21	18.78	Oct 05	18.56
Mar 12	19.71	Feb 06	19.13	Jan 21, 1988	18.69	Nov 02	18.42
Apr 16	19.78	Mar 05	19.22	Feb 24	19.21	Dec 01	18.75
May 14	18.76	Apr 02	18.85	25	19.20	28	18.49
Jun 11	18.67	28	18.84	Mar 16	19.40	Feb 17, 1989	19.06
Jul 08	18.75	May 27	18.96	Apr 12	18.87	Mar 15	18.78
Aug 05	18.56	Jun 23	18.53	May 12	19.35	Apr 14	19.14

Highest level, 18.02, Oct 02, 1987; lowest level, 19.78, Apr 16, 1986

Table 6.--Water-level measurements in selected wells, June 1984 - April 1989--Continued

[Water levels in feet below land surface]

Date	Water level	Date	Water level	Date	Water level	Date	Water level

Well UG3; USGS Site number 381539083341401; Well depth, 26.9 feet;
Altitude of land surface, 1,055.3 feet above sea level

Oct 17, 1985	19.42	Oct 03, 1986	19.35	Sep 02, 1987	19.41	Jul 06, 1988	20.19
Nov 13	19.27	Nov 04	19.41	Oct 02	19.25	Aug 03	19.99
Dec 10	19.25	Dec 04	19.43	28	19.13	Sep 01	19.62
Jan 08, 1986	19.61	Jan 07, 1987	19.57	Nov 24	19.30	Oct 05	19.48
Mar 12	19.91	Feb 06	19.83	Dec 21	19.47	Nov 02	19.39
Apr 16	19.98	Mar 05	19.95	Jan 21, 1988	19.70	Dec 01	19.47
May 14	19.97	Apr 02	19.92	Feb 24	19.75	28	19.58
Jun 11	19.94	28	20.06	Mar 16	20.08	Feb 17, 1989	19.93
Jul 08	19.88	May 27	20.08	Apr 12	20.02	Mar 15	19.86
Aug 05	19.66	Jun 23	19.74	May 12	20.31	Apr 14	19.90
Sep 03	19.56	Jul 27	19.69	Jun 09	20.13		

Highest level, 19.13, Oct 28, 1987; lowest level, 20.31, May 12, 1988

Well UG4; USGS Site number 381538083341401; Well depth, 24.7 feet;
Altitude of land surface, 1,056.3 feet above sea level

Aug 27, 1985		Oct 03, 1986	16.78	Sep 02, 1987	16.69	Jul 06, 1988	18.04
Oct 17	21.58	Nov 04	17.03	Oct 02	16.63	Aug 03	17.68
Nov 13	19.07	Dec 04	17.03	28	16.72	Sep 01	17.40
Dec 12	18.06	Jan 07, 1987	17.34	Nov 24	17.08	Oct 05	17.20
Jan 08, 1986	17.97	Feb 06	17.83	Dec 21	17.39	20	17.22
Apr 12	18.39	Mar 05	18.24	Jan 21, 1988	17.74	Nov 02	17.26
May 14	17.96	Apr 02	18.33	Feb 24	18.24	Dec 01	17.32
Jun 11	17.69	28	18.07	Mar 16	18.58	28	17.65
Jul 08	17.44	May 27	17.75	Apr 21	18.71	Feb 17, 1989	18.32
Aug 05	17.04	Jun 23	17.35	May 21	18.63	Mar 15	18.51
Sep 03	18.96	Jul 27	16.98	Jun 09	18.30	Apr 14	18.33

Highest level, 16.63, Oct 02, 1987; lowest level, 21.58, Oct 17, 1985

Well UG5; USGS Site number 381539083341301; Well depth, 25.3 feet;
Altitude of land surface, 1,059.5 feet above sea level

Aug 27, 1985	Dry	Oct 03, 1986	24.86	Sep 02, 1987	25.10	Oct 05, 1988	24.95
Oct 17	25.00	Nov 04	24.92	Oct 02	25.10	20	24.92
Nov 03	24.90	Dec 04	25.02	28	25.10	Nov 02	24.95
Dec 10	25.00	Jan 07, 1987	24.90	Nov 24	25.00	Dec 01	25.02
Jan 08, 1986	25.00	Feb 06	25.00	Dec 21	25.00	28	25.06
Apr 16	25.00	Mar 05	25.00	Jan 21, 1988	25.07	Feb 17, 1989	25.10
May 14	25.00	Apr 02	25.00	Apr 12	24.90	Mar 15	25.02
Jun 11	24.00	28	25.10	Jun 09	25.00	Apr 13	25.00
Jul 08	24.90	May 27	24.90	Jul 06	25.00		
Aug 05	24.90	Jun 23	25.20	Aug 03	25.00		
Sep 03	24.90	Jul 27	25.10	Sep 01	25.04		

Highest level, 24.00, Jun 11, 1986; lowest level, 25.20, Jun 23, 1987

Table 6.--Water-level measurements in selected wells, June 1984 - April 1989--Continued

[Water levels in feet below land surface]

Date	Water level	Date	Water level	Date	Water level	Date	Water level

Well UG6; USGS Site number 381540083341401; Well depth, 27.0 feet;
Altitude of land surface, 1,055.8 feet above sea level

Oct 17, 1985	22.70	Oct 03, 1986	22.43	Oct 02, 1987	22.31	Sep 01, 1988	23.62
Nov 13	22.60	Nov 04	22.54	28	22.34	Oct 05	22.55
Dec 10	22.71	Dec 04	22.60	Nov 24	22.62	20	22.48
Jan 08, 1986	23.08	Jan 07, 1987	22.66	Dec 21	22.72	Nov 02	22.46
Feb 12	23.05	Feb 06	23.07	Jan 21, 1988	22.74	Dec 01	22.66
Mar 21	23.06	Mar 05	23.28	Feb 24	23.00	28	22.66
Apr 16	23.01	Apr 02	23.05	Mar 16	23.20	Feb 17, 1989	23.17
May 14	22.95	28	23.10	Apr 12	23.07	Mar 15	22.78
Jun 11	22.91	May 27	23.08	May 12	23.20	Apr 13	23.09
Jul 08	22.93	Jun 23	22.75	Jun 09	22.89		
Aug 05	22.70	Jul 27	22.67	Jul 06	23.07		
Sep 03	22.54	Sep 02	22.49	Aug 03	22.85		

Highest level, 22.31, Oct 02, 1987; lowest level, 23.62, Sep 01, 1988

Well UG7; USGS Site number 381541083341501; Well depth, 23.0 feet;
Altitude of land surface, 1,053.5 feet above sea level

Oct 17, 1985	21.07	Oct 03, 1986	18.54	Oct 02, 1987	18.45	Aug 03, 1988	18.72
Nov 13	19.15	Nov 04	18.76	28	18.44	Sep 01	18.48
Dec 10	19.13	Dec 04	18.78	Nov 24	18.60	Oct 05	18.26
Jan 08, 1986	19.44	Jan 07, 1987	18.98	Dec 21	18.79	20	18.52
Feb 21	19.56	Feb 06	19.29	Jan 21, 1988	18.98	Nov 02	18.56
Mar 12	19.75	Mar 05	19.39	Feb 24	19.15	Dec 01	18.74
Apr 16	19.45	Apr 02	19.13	25	21.87	28	18.71
May 14	19.47	28	19.23	Mar 16	19.34	Feb 17, 1989	18.85
Jun 11	19.43	May 27	19.16	Apr 12	18.98	Mar 15	19.00
Jul 08	19.35	Jun 23	18.69	May 12	19.27	Apr 13	19.15
Aug 05	18.73	Jul 27	18.62	Jun 09	18.97		
Sep 03	18.42	Sep 02	18.39	Jul 06	19.02		

Highest level, 18.26, Oct 05, 1988; lowest level, 21.87, Feb 25, 1988

Well UG8; USGS Site number 381540083341201; Well depth, 27.9 feet;
Altitude of land surface, 1,058.1 feet above sea level

Oct 17, 1985	27.55	Oct 03, 1986	16.94	Jul 27, 1987	24.44	Jul 06, 1988	25.55
Dec 10	26.79	Nov 04	18.37	Sep 02	23.22	Aug 03	24.31
Jan 08, 1986	26.30	Dec 04	20.22	Oct 02	22.62	Sep 01	24.17
Mar 12	25.62	Jan 07, 1987	21.70	28	22.36	Oct 20	23.90
Apr 16	25.43	Feb 06	22.66	Nov 24	22.49	Nov 02	23.99
May 14	23.73	Mar 05	23.30	Dec 21	22.59	Dec 01	23.95
Jun 11	20.98	Apr 02	23.86	Jan 21, 1988	22.90	28	24.11
Jul 08	19.12	28	24.20	Apr 21	24.30	Feb 17, 1989	24.36
Aug 05	17.74	May 27	24.44	May 12	24.58	Mar 15	24.52
Sep 03	16.61	Jun 23	24.47	Jun 09	24.59	Apr 13	24.63

Highest level, 16.61, Sep 03, 1986; lowest level, 27.55, Oct 17, 1985

Table 6.--Water-level measurements in selected wells, June 1984 - April 1989--Continued

[Water levels in feet below land surface]

Date	Water level	Date	Water level	Date	Water level	Date	Water level

Well UG9; USGS Site number 381540083341301; Well depth, 26.8 feet;
Altitude of land surface, 1,057.6 feet above sea level

Oct 17, 1985	6.26	Nov 04, 1986	6.66	Oct 02, 1987	5.96	Oct 05, 1988	6.89
Dec 10	6.84	Dec 04	7.31	28	6.06	20	6.80
Jan 08, 1986	7.86	Jan 07, 1987	7.59	Nov 24	6.76	Nov 02	6.90
Mar 12	9.88	Feb 06	9.65	Dec 21	7.65	Dec 01	7.60
Apr 16	10.18	Mar 05	10.45	Jan 21, 1988	9.02	28	8.61
May 14	9.82	Apr 02	10.80	Apr 12	11.17	Feb 17, 1989	10.31
Jun 11	10.10	28	12.11	May 12	11.28	Mar 15	11.02
Jul 08	8.38	May 27	10.89	Jun 09	10.54	Apr 13	11.33
Aug 05	7.51	Jun 23	9.44	Jul 06	9.88		
Sep 03	6.90	Jul 27	7.96	Aug 03	8.73		
Oct 03	6.50	Sep 02	6.63	Sep 01	7.69		

Highest level, 5.96, Oct 02, 1987; lowest level, 12.11, Apr 28, 1987

Well UG10; USGS Site number 381541083341401; Well depth, 24.4 feet;
Altitude of land surface, 1,055.2 feet above sea level

Oct 17, 1985	23.91	Oct 03, 1986	22.80	Oct 02, 1987	24.25	Sep 01, 1988	23.76
Nov 13	24.15	Nov 04	22.80	28	23.62	Oct 05	23.59
Dec 10	23.85	Dec 04	23.11	Nov 24	23.70	20	23.58
Jan 08, 1986	23.84	Jan 07, 1987	23.47	Dec 21	24.25	Nov 02	23.60
Feb 12	24.35	Feb 06	23.92	Jan 21, 1988	23.85	Dec 01	23.60
Mar 12	24.35	Mar 05	24.35	Feb 24	24.03	28	23.70
Apr 16	23.65	Apr 02	24.25	Mar 16	24.19	Feb 17, 1989	24.35
May 14	24.35	28	24.25	Apr 12	24.25	Mar 10	24.35
Jun 11	24.35	May 27	24.25	May 21	24.25	Apr 13	24.10
Jul 08	24.15	Jun 23	24.25	Jun 09	24.25		
Aug 05	23.70	Jul 02	23.83	Jul 06	24.25		
Sep 03	23.50	Sep 02	24.24	Aug 23	24.25		

Highest level, 22.80, Oct 03, 1986, Nov 04, 1986;
lowest level, 24.35, Feb 12, 1986, Mar 12, 1986, May 14, 1986, Jun 11, 1986, Mar 05, 1987, Feb 17, 1989, Mar 10, 1989

Well UG11; USGS Site number 381542083341501; Well depth, 21.1 feet;
Altitude of land surface, 1,051.6 feet above sea level

Oct 17, 1985	20.41	Oct 03, 1986	17.56	Oct 02, 1987	17.42	Sep 01, 1988	18.39
Nov 13	20.30	Nov 04	18.31	28	18.02	Oct 05	18.61
Dec 10	20.06	Dec 04	18.98	Nov 24	18.80	20	18.82
Jan 08, 1986	20.01	Jan 07, 1987	19.55	Dec 21	19.39	Nov 02	19.09
Feb 22	20.22	Feb 06	19.96	Jan 21, 1988	19.91	Dec 01	19.53
Mar 12	20.13	Mar 05	19.92	Feb 24	20.12	28	19.88
Apr 16	19.80	Apr 02	19.72	Mar 16	20.21	Feb 17, 1989	20.10
May 14	19.41	28	19.20	Apr 12	20.15	Mar 15	20.17
Jun 11	19.10	May 27	18.68	May 12	20.43	Apr 13	20.23
Jul 08	17.68	Jun 23	17.84	Jun 09	20.39		
Aug 05	16.88	Jul 27	17.05	Jul 06	19.87		
Sep 03	16.98	Sep 02	16.87	Aug 03	18.69		

Highest level, 16.87, Sep 02, 1987; lowest level, 20.43, May 12, 1988

Table 6.--Water-level measurements in selected wells, June 1984 - April 1989--Continued

[Water levels in feet below land surface]

Date	Water level	Date	Water level	Date	Water level	Date	Water level

Well UG12; USGS Site number 381542083341301; Well depth, 24.0 feet;
Altitude of land surface, 1,053.5 feet above sea level

Oct 17, 1985	22.71	Oct 03, 1986	22.71	Sep 02, 1987	22.67	Oct 05, 1988	22.68
Dec 10	22.73	Nov 04	22.72	Oct 02	22.68	20	22.59
Jan 08, 1986	22.82	Dec 04	22.75	28	22.84	Nov 02	22.70
Feb 12	22.89	Jan 07, 1987	22.78	Nov 24	22.73	Dec 01	22.73
Mar 12	22.79	Feb 06	22.83	Dec 21	22.74	28	22.60
Apr 16	22.80	Mar 05	22.81	Jan 21, 1988	22.76	Feb 17, 1989	23.80
May 14	22.79	Apr 02	22.70	Apr 12	22.00	Mar 15	22.67
Jun 11	22.77	28	22.80	Jun 09	22.76	Apr 13	22.70
Jul 08	22.81	May 27	22.77	Jul 06	22.76		
Aug 05	22.75	Jun 23	22.76	Aug 03	22.71		
Sep 03	22.71	Jul 27	22.78	Sep 01	22.70		

Highest level, 22.00, Apr 12, 1988; lowest level, 23.80, Feb 17, 1989

Well UG13; USGS Site number 381542083341201; Well depth, 25.1 feet;
Altitude of land surface, 1,056.5 feet above sea level

Oct 17, 1985	22.56	Oct 03, 1986	10.63	Sep 02, 1987	10.10	Oct 05, 1988	9.10
Dec 10	16.27	Nov 04	10.02	Oct 02	9.59	20	8.86
Jan 08, 1986	14.66	Dec 04	9.65	28	9.11	Nov 02	8.82
Feb 12	13.58	Jan 07, 1987	9.58	Nov 24	8.92	Dec 01	8.40
Mar 12	13.19	Feb 06	9.79	Dec 21	8.92	28	8.66
Apr 16	13.03	Mar 05	10.13	Jan 21, 1988	9.11	Feb 17, 1989	9.03
May 14	13.02	Apr 02	10.86	Apr 12	9.74	Mar 15	9.39
Jun 11	12.88	28	11.08	Jun 09	10.50	Apr 13	9.73
Jul 08	12.60	May 27	11.10	Jul 06	10.51		
Aug 05	12.07	Jun 23	11.10	Aug 03	10.16		
Sep 03	11.40	Jul 27	10.77	Sep 01	9.70		

Highest level, 8.40, Dec 01, 1988; lowest level, 22.56, Oct 17, 1985

Well UG14; USGS Site number 381531083341301; Well depth, 24.8 feet;
Altitude of land surface, 1,037.6 feet above sea level

Oct 17, 1985	12.64	Oct 03, 1986	12.18	Oct 02, 1987	11.67	Oct 20, 1988	12.41
Apr 16, 1986	12.93	Apr 02, 1987	7.48	Apr 11, 1988	6.29	Apr 14, 1989	10.10

Highest level, 6.29, Apr 11, 1988; lowest level, 12.93, Apr 16, 1986

Well UG15; USGS Site number 381530083341301; Well depth, 6.5 feet;
Altitude of land surface, 1,039.7 feet above sea level

Oct 17, 1985	Dry	Oct 03, 1986	Dry	Oct 02, 1987	Dry	Oct 20, 1988	Dry
Apr 16, 1986	Dry	Apr 02, 1987	Dry	Apr 11, 1988	Dry	Apr 14, 1989	6.30

Highest level, 6.30, Apr 14, 1989; lowest level, 6.30, Apr 14, 1989

Well UG16; USGS Site number 381529083341401; Well depth, 9.6 feet;
Altitude of land surface, 1,043.6 feet above sea level

Oct 17, 1985	Dry	Oct 03, 1986	Dry	Oct 02, 1987	6.93	Oct 20, 1988	Dry
Apr 16, 1986	Dry	Apr 02, 1987	3.62	Apr 11, 1988	5.23	Apr 14, 1989	5.33

Highest level, 3.62, Apr 02, 1987; lowest level, 6.93, Oct 02, 1987

Table 6.--Water-level measurements in selected wells, June 1984 - April 1989--Continued

[Water levels in feet below land surface]

Date	Water level	Date	Water level	Date	Water level	Date	Water level

Well UG17; USGS Site number 381535083341401; Well depth, 22.0 feet;
Altitude of land surface, 1,051.5 feet above sea level

Oct 17, 1985	Dry	Oct 03, 1986	14.38	Oct 02, 1987	14.28	Oct 20, 1988	14.04
Apr 16, 1986	15.42	Apr 02, 1987	15.42	Apr 11, 1988	15.43	Apr 14, 1989	15.61

Highest level, 14.04, Oct 20, 1988; lowest level, 15.61, Apr 14, 1989

Well UG18; USGS Site number 381537083341101; Well depth, 23.2 feet;
Altitude of land surface, 1,055.3 feet above sea level

Oct 17, 1985	16.67	Oct 03, 1986	20.45	Oct 02, 1987	21.07	Oct 20, 1988	21.25
Apr 16, 1986	20.08	Apr 02, 1987	21.67	Apr 11, 1988	20.96	Apr 14, 1989	21.03

Highest level, 16.67, Oct 17, 1985; lowest level, 21.67, Apr 02, 1987

Well UG19; USGS Site number 381534083341601; Well depth, 21.0 feet;
Altitude of land surface, 1,055.8 feet above sea level

Oct 17, 1985	Dry	Oct 03, 1986	19.88	Oct 02, 1987	19.74	Oct 20, 1988	17.72
Apr 16, 1986	20.25	Apr 02, 1987	20.07	Apr 11, 1988	20.00	Apr 14, 1989	8.01

Highest level, 8.01, Apr 14, 1989; lowest level, 20.25, Apr 16, 1986

Well UH1; USGS Site number 381548083335601; Well depth, 11.2 feet;
Altitude of land surface, 1,036.1 feet above sea level

Aug 27, 1986	9.51	Aug 28, 1986	9.70

Highest level, 9.51, Aug 27, 1986; lowest level, 9.70, Aug 28, 1986

Well UH2; USGS Site number 381548083335602; Well depth, 10.1 feet;
Altitude of land surface, 1,035.8 feet above sea level

Aug 27, 1986	9.68

Well UH3; USGS Site number 381548083335603; Well depth, 9.7 feet;
Altitude of land surface, 1,035.6 feet above sea level

Aug 27, 1986	9.24	Aug 28, 1986	9.40

Highest level, 9.24, Aug 27, 1986; lowest level, 9.40, Aug 28, 1986

Well UH4; USGS Site number 381548083335604; Well depth, 10.9 feet;
Altitude of land surface, 1,036.5 feet above sea level

Aug 27, 1986	10.30	Aug 28, 1986	10.36

Highest level, 10.30, Aug 27, 1986; lowest level, 10.36, Aug 28, 1986

Table 6.--Water-level measurements in selected wells, June 1984 - April 1989--Continued

[Water levels in feet below land surface]

Date	Water level	Date	Water level	Date	Water level	Date	Water level

Well UH5; USGS Site number 381548083335605; Well depth, 11.2 feet;
Altitude of land surface, 1,037.1 feet above sea level

Aug 27, 1986	10.57	Aug 28, 1986	10.76

Highest level, 10.57, Aug 27, 1986; lowest level, 10.76, Aug 28, 1986

Well UH6; USGS Site number 381548083335606; Well depth, 12.4 feet;
Altitude of land surface, 1,037.4 feet above sea level

Aug 27, 1986	10.54	Aug 28, 1986	10.89

Highest level, 10.54, Aug 27, 1986; lowest level, 10.89, Aug 28, 1986

Well UH7; USGS Site number 381548083335607; Well depth, 9.5 feet;
Altitude of land surface, 1,035.1 feet above sea level

Aug 27, 1986	8.85	Aug 28, 1986	9.00

Highest level, 8.85, Aug 27, 1986; lowest level, 9.00, Aug 28, 1986

Well UH8; USGS Site number 381548083335608; Well depth, 8.7 feet;
Altitude of land surface, 1,034.7 feet above sea level

Aug 27, 1986	8.36	Aug 28, 1986	8.47

Highest level, 8.36, Aug 27, 1986; lowest level, 8.47, Aug 28, 1986

Well UH9; USGS Site number 381548083335609; Well depth, 8.4 feet;
Altitude of land surface, 1,034.3 feet above sea level

Aug 27, 1986	7.75	Aug 28, 1986	7.87

Highest level, 7.75, Aug 27, 1986; lowest level, 7.87, Aug 28, 1986

Well UI1; USGS Site number 381540083341611; Well depth, 20.5 feet;
Altitude of land surface, 1,036 feet above sea level

Aug 29, 1986	16.11	Jan 23, 1987	16.49	May 27, 1987	16.86	Dec 21, 1987	15.97
Sep 17	16.03	Feb 06	16.83	Jun 23	16.38	Jan 21, 1988	16.54
Oct 31	15.86	Mar 04	17.06	Jul 27	15.89	Apr 12	14.51
Dec 04	16.00	05	17.06	Sep 02	15.47	Apr 14, 1989	16.93
18	16.42	Apr 03	16.90	Oct 02	15.34		
19	16.42	10	16.89	28	15.57		
Jan 06, 1987	16.43	28	16.93	Nov 24	15.89		

Highest level, 14.51, Apr 12, 1988; lowest level, 17.06, Mar 04, 1987, Mar 05, 1987

Table 6.--Water-level measurements in selected wells, June 1984 - April 1989--Continued

[Water levels in feet below land surface]

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Well UI2; USGS Site number 381540083341602; Well depth, 20.1 feet; Altitude of land surface, 1,052 feet above sea level							
Aug 29, 1986	16.30	Jan 23, 1987	14.46	May 27, 1987	16.98	Dec 21, 1987	12.62
Sep 17	13.33	Feb 06	15.14	Jun 23	16.33	Jan 21, 1988	13.98
Oct 31	11.66	Mar 04	16.16	Jul 27	14.71	Apr 12	16.45
Dec 04	12.36	05	16.13	Sep 02	11.55	Apr 14, 1989	16.33
18	12.94	Apr 03	16.44	Oct 02	10.50		
19	13.22	10	16.78	28	11.54		
Jan 06, 1987	13.76	28	16.92	Nov 24	11.54		
Highest level, 10.50, Oct 02, 1987; lowest level, 16.98, May 27, 1987							
Well UI3; USGS Site number 381540083341603; Well depth, 20.5 feet; Altitude of land surface, 1,051.9 feet above sea level							
Aug 29, 1986	16.10	Feb 06, 1987	16.59	Jul 27, 1987	15.81	Apr 14, 1989	16.51
Sep 17	15.86	Mar 04	16.80	Sep 02	15.68		
Oct 31	16.07	05	16.56	Oct 02	15.46		
Dec 04	16.10	Apr 03	16.25	28	15.68		
18	15.84	10	16.28	Nov 24	16.08		
19	16.00	28	16.36	Dec 21	16.27		
Jan 06, 1987	16.01	May 27	16.40	Jan 21, 1988	16.14		
23	15.94	Jun 23	15.97	Apr 12	16.24		
Highest level, 15.46, Oct 02 1987; lowest level, 16.98, Mar 04, 1984							
Well UI4; USGS Site number 381540083341604; Well depth, 21.5 feet; Altitude of land surface, 1,052.0 feet above sea level							
Aug 29, 1986	15.84	Jan 23, 1987	16.14	May 27, 1987	15.60	Dec 21, 1987	16.06
Sep 17	15.83	Feb 06	16.51	Jun 23	16.12	Jan 21, 1988	16.25
Oct 31	15.88	Mar 04	16.61	Jul 27	15.72	Apr 12	16.55
Dec 04	15.91	05	16.56	Sep 02	15.80	Apr 14, 1989	16.45
18	16.05	Apr 03	16.42	Oct 02	15.39		
19	16.22	10	16.41	28	15.77		
Jan 06, 1987	16.17	28	16.48	Nov 24	15.99		
Highest level, 15.39, Oct 02, 1987; lowest level, 16.61, Mar 04, 1987							
Well UI5; USGS Site number 381540083341605; Well depth, 20.7 feet; Altitude of land surface, 1,052.3 feet above sea level							
Aug 29, 1986	18.42	Jan 23, 1987	16.69	May 27, 1987	17.18	Dec 21, 1987	16.34
Sep 17	17.18	Feb 06	16.90	Jun 23	16.99	Jan 21, 1988	16.51
Oct 31	16.66	Mar 04	17.20	Jul 27	16.74	Apr 12	16.87
Dec 04	16.54	05	17.19	Sep 02	16.44	Apr 14, 1989	16.59
18	16.57	Apr 03	17.18	Oct 02	16.30		
19	16.77	10	17.21	28	16.23		
Jan 06, 1987	16.68	28	17.19	Nov 24	16.27		
Highest level, 16.23, Oct 28, 1987; lowest level, 18.42, Aug 29, 1986							

Table 6.--Water-level measurements in selected wells, June 1984 - April 1989--Continued

[Water levels in feet below land surface]

Date	Water level	Date	Water level	Date	Water level	Date	Water level

Well UI6; USGS Site number 381540083341606; Well depth, 21.0 feet;
Altitude of land surface, 1,052.6 feet above sea level

Aug 29, 1986	16.83	Jan 23, 1987	16.92	May 27, 1987	17.21	Dec 21, 1987	17.04
Sep 17	16.78	Feb 06	17.41	Jun 23	16.84	Jan 21, 1988	16.88
Oct 31	16.80	Mar 04	17.70	Jul 27	16.78	Apr 12	17.11
Dec 04	16.77	05	17.56	Sep 02	16.62	Apr 14, 1989	17.27
18	16.86	Apr 03	17.23	Oct 02	16.51		
19	17.01	10	17.15	28	16.60		
Jan 06, 1987	17.01	28	17.22	Nov 24	16.85		

Highest level, 13.64, Oct 02, 1987; lowest level, 17.33, Apr 12, 1988

Well UI7; USGS Site number 381540083341607; Well depth, 21.2 feet;
Altitude of land surface, 1,052.7 feet above sea level

Aug 29, 1986	16.87	Jan 23, 1987	17.02	May 27, 1987	17.26	Dec 21, 1987	16.90
Sep 17	16.79	Feb 06	17.33	Jun 23	17.00	Jan 21, 1988	17.16
Oct 31	16.75	Mar 04	17.55	Jul 27	16.92	Apr 12	17.15
Dec 04	16.69	05	17.61	Sep 02	16.68	Apr 14, 1989	17.34
18	16.93	Apr 03	17.24	Oct 02	16.59		
19	17.12	10	17.31	28	16.68		
Jan 06, 1987	16.92	28	17.31	Nov 24	16.83		

Highest level, 16.59, Oct 02, 1987; lowest level, 17.61, Mar 05, 1987

Well UI8; USGS Site number 381540083341608; Well depth, 20.9 feet;
Altitude of land surface, 1,052.7 feet above sea level

Nov , 1986	14.55	Jan 23, 1987	16.05	Apr 28, 1987	17.18	Oct 28, 1987	13.81
Sep 17	14.35	Feb 06	16.56	May 27	16.96	Nov 24	14.45
Oct 31	14.08	Mar 04	17.19	Jun 23	16.06	Dec 21	15.12
Dec 04	14.51	05	16.79	Jul 27	15.01	Jan 21, 1988	15.93
18	14.96	Apr 03	17.10	Sep 02	14.07	Apr 12	17.33
19	15.23	10	17.19	Oct 02	13.64	Apr 14, 1989	17.30
Jan 06, 1987	15.59						

Highest level, 13.64, Oct 02, 1987; lowest level, 17.33, Apr 12, 1988

Well UI9; USGS Site number 381540083341609; Well depth, 21.2 feet;
Altitude of land surface, 1,052.8 feet above sea level

Aug 29, 1986	21.00	Jan 06, 1987	18.02	Apr 10, 1987	17.95	Oct 02, 1987	16.59
Sep 17	20.22	23	17.83	28	17.94	28	16.42
Oct 31	19.36	Feb 06	17.87	May 27	17.89	Nov 24	16.36
Dec 04	18.51	Mar 04	17.99	Jun 23	17.68	Dec 21	16.39
18	18.21	05	17.87	Jul 27	17.23	Apr 14, 1989	16.71
19	18.40	Apr 03	17.47	Sep 02	16.84		

Highest level, 16.36, Nov 24, 1987; lowest level, 20.22, Sep 17, 1986

Well UI10; USGS Site number 381540083341610; Well depth, 20.9 feet;
Altitude of land surface, 1,052.6 feet above sea level

Aug 09, 1986	16.61	Jan 23, 1987	16.67	May 27, 1987	17.07	Dec 21, 1987	16.87
Sep 17	16.60	Feb 06	17.30	Jun 23	16.62	Jan 21, 1988	16.82
Oct 31	16.55	Mar 04	17.37	Jul 27	16.49	Apr 12	16.98
Dec 04	16.54	05	17.37	Sep 02	16.37	Apr 14, 1989	17.15
18	16.60	Apr 03	17.04	Oct 02	16.22		
19	16.77	10	16.91	28	16.30		
Jan 06, 1987	16.80	28	17.04	Nov 24	16.68		

Highest level, 16.22, Oct 02, 1987; lowest level, 17.37, Mar 04, 1987, Mar 05, 1987

Table 6.--Water-level measurements in selected wells, June 1984 - April 1989--Continued

[Water levels in feet below land surface]

Date	Water level	Date	Water level	Date	Water level	Date	Water level

Well UJ1; USGS Site number 381542083341309; Well depth, 22.4 feet;
Altitude of land surface, 1,053.6 feet above sea level

Aug 29, 1986	22.30	Apr 02, 1987	22.10	Apr 14, 1989	22.30		

Highest level, 22.10, Apr 02, 1987; lowest level, 22.30, Aug 29, 1986, Apr 14, 1989

Well UJ2; USGS Site number 381542083341302; Well depth, 22.5 feet;
Altitude of land surface, 1,053.4 feet above sea level

Aug 29, 1986	Dry	Apr 02, 1987	Dry	Apr 14, 1989	22.45		

Highest level, 22.45, Apr 14, 1989; lowest level, 22.45, Apr 14, 1989

Well UJ3; USGS Site number 381542083341303; Well depth, 22.2 feet;
Altitude of land surface, 1,053.4 feet above sea level

Aug 29, 1986	22.10	Apr 02, 1987	Dry	Apr 14, 1989	Dry		

Highest level, 22.10, Aug 29, 1986; lowest level, 22.10, Aug 29, 1986

Well UJ4; USGS Site number 381542083341304; Well depth, 23.0 feet;
Altitude of land surface, 1,053.6 feet above sea level

Aug 29, 1986	Dry	Apr 02, 1987	Dry	Apr 14, 1989	22.70		

Highest level, 22.70, Apr 14, 1989; lowest level, 22.70, Apr 14, 1989

Well UJ5; USGS Site number 381542083341305; Well depth, 23.3 feet;
Altitude of land surface, 1,053.9 feet above sea level

Aug 29, 1986	22.79	Apr 02, 1987	22.9	Apr 14, 1989	22.96		

Highest level, 22.79, Aug 29, 1986; lowest level, 22.96, Apr 14, 1989

Well UJ6; USGS Site number 381542083341306; Well depth, 22.8 feet;
Altitude of land surface, 1,054.0 feet above sea level

Aug 29, 1986	Dry	Apr 02, 1987	Dry	Apr 14, 1989	22.50		

Highest level, 22.50, Apr 14, 1989; lowest level, 22.50, Apr 14, 1989

Well UJ7; USGS Site number 381542083341307; Well depth, 22.7 feet;
Altitude of land surface, 1,054.0 feet above sea level

Aug 29, 1986	22.50	Apr 02, 1987	22.40	Apr 14, 1989	22.60		

Highest level, 22.40, Apr 02, 1987; lowest level, 22.60, Apr 14, 1989

Table 6.--Water-level measurements in selected wells, June 1984 - April 1989--Continued

[Water levels in feet below land surface]

Date	Water level	Date	Water level	Date	Water level	Date	Water level

Well UJ8; USGS Site number 381542083341308; Well depth, 22.5 feet;
Altitude of land surface, 1,053.7 feet above sea level

Aug 29, 1986	Dry	Apr 02, 1987	22.20	Apr 14, 1989	22.40		

Highest level, 22.20, Apr 02, 1987; lowest level, 22.40, Apr 14, 1989

Well UK1; USGS Site number 381539083341902; Well depth, 12.6 feet;
Altitude of land surface, 1,046.2 feet above sea level

Aug 29, 1986	10.45	Apr 03, 1987	10.70	Jan 22, 1988	10.85	Oct 05, 1988	12.08
Sep 03	10.41	28	10.64	Feb 23	10.99	Nov 03	10.24
17	10.44	May 27	10.71	Mar 16	11.33	Dec 02	10.93
Oct 02	10.33	Jun 22	10.47	17	11.33	28	10.80
Nov 03	10.51	Jul 27	10.38	Apr 12	10.79	Mar 16, 1989	11.18
Dec 04	10.48	Sep 01	10.29	May 12	11.25	Apr 13	11.01
Jan 07, 1987	10.72	Oct 27	10.38	Jun 10	11.17		
Feb 05	10.96	Nov 25	10.59	Jul 07	12.52		
Mar 06	11.09	Dec 22	9.84	Sep 01	12.15		

Highest level, 9.84, Dec 22, 1987; lowest level, 12.52, Jul 07, 1988

Well UK2; USGS Site number 381538083341901; Well depth, 17.3 feet;
Altitude of land surface, 1,051.0 feet above sea level

Aug 29, 1986	15.24	Feb 05, 1987	15.64	Nov 25, 1987	15.06	May 12, 1988	15.89
Sep 03	14.96	Mar 06	15.70	Dec 22	14.40	Jun 10	15.80
17	15.00	Apr 02	15.48	Jan 22, 1988	15.44	Jul 07	15.70
Oct 02	14.91	May 27	15.49	Feb 23	15.61	Sep 01	15.33
Nov 03	14.92	Jun 22	15.05	Mar 16	15.94	Oct 05	15.24
Dec 04	15.06	Sep 01	14.92	17	15.94	Nov 03	14.89
Jan 07, 1987	15.16	Oct 27	14.77	Apr 12	15.47	Dec 28	15.47
Mar 16, 1989	15.78	Apr 13, 1989	15.73				

Highest level, 14.40, Dec 22, 1987; lowest level, 15.94, Mar 16, 1988, Mar 17, 1988

Well UK3; USGS Site number 381524083341701; Well depth, 13.8 feet;
Altitude of land surface, 1,046.1 feet above sea level

Oct 31, 1986	12.01	Oct 01, 1987	9.58	Apr 11, 1988	10.05
Apr 02, 1987	12.57	26	10.39	Apr 12, 1989	8.84

Highest level, 8.84, Apr 12, 1989; lowest level, 12.57, Apr 02, 1987

Well UK4; USGS Site number 381523083341601; Well depth, 21.2 feet;
Altitude of land surface, 1,046.6 feet above sea level

Oct 31, 1986	Dry	Oct 01, 1987	18.86	Apr 11, 1988	15.65
Apr 02, 1987	Dry	26	18.00	Apr 12, 1989	13.96

Highest level, 13.96, Apr 12, 1989; lowest level, 18.86, Oct 01, 1987

Well UK5; USGS Site number 381522083341501; Well depth, 22.7 feet;
Altitude of land surface, 1,045.7 feet above sea level

Oct 31, 1986	Dry	Oct 01, 1987	Dry	Apr 11, 1988	Dry
Apr 02, 1987	Dry	26	Dry	Apr 12, 1989	Dry

Table 6.--Water-level measurements in selected wells, June 1984 - April 1989--Continued

[Water levels in feet below land surface]

Date	Water level	Date	Water level	Date	Water level	Date	Water level

Well UK6; USGS Site number 381522083341401; Well depth, 18.2 feet;
Altitude of land surface, 1,045.5 feet above sea level

Oct 31, 1986	12.25	Apr 11, 1987	10.37	Oct 26, 1987	9.67		
Apr 02, 1987	14.71	Oct 01	9.56	Apr 12, 1989	9.31		

Highest level, 9.31, Apr 12, 1989, lowest level, 14.71, Apr 02, 1987

Well UL1; USGS Site number 381550083341001; Well depth, 11.8 feet;
Altitude of land surface, 1,045.4 feet above sea level

Oct 05, 1988	Dry	Dec 29, 1988	Dry	Apr 13, 1989	Dry
Nov 02	Dry	Mar 16, 1989	Dry		

Well UL2; USGS Site number 381547083341201; Well depth, 14.2 feet;
Altitude of land surface, 1,040.1 feet above sea level

Oct 05, 1988	Dry	Dec 29, 1988	Dry	Apr 13, 1989	Dry
Nov 02	Dry	Mar 16, 1989	Dry		

Well UL3; USGS Site number 381540083340201; Well depth, 46.7 feet;
Altitude of land surface, 1,045 feet above sea level

Oct 05, 1988	Dry	Dec 29, 1988	Dry	Mar 16, 1989	Dry
20	Dry	Feb 16, 1989	Dry	Apr 14	45.36

Highest level, 45.36, Apr 14, 1989; lowest level, 45.36, Apr 14, 1989

Well UL4; USGS Site number 381543083340401; Well depth, 47.0 feet;
Altitude of land surface, 1,043.3 feet above sea level

Oct 05, 1988	27.60	Dec 02, 1988	26.18	Mar 16, 1989	25.45
Nov 02	26.34	29	25.87	Apr 13	25.69

Highest level, 25.45, Mar 16, 1989; lowest level, 27.60, Oct 05, 1988

Well N2B; USGS Site number 381540083342001; Well depth, 9.75 feet;
Altitude of land surface, 1,044.1 feet above sea level

Aug 16, 1984	7.85	Aug 05, 1986	8.40	Jun 22,1987	8.46	May 12, 1988	9.33
Sep 12	8.06	Sep 03	8.23	Jul 28	8.35	Jun 10	9.28
Jun 04, 1985	8.67	Oct 02	8.21	Sep 01	8.26	Jul 07	9.15
Sep 17	8.20	Nov 03	8.26	Oct 27	8.18	Sep 01	8.74
Oct 17	8.43	Dec 04	8.70	Nov 25	8.56	Oct 05	8.68
Dec 10	8.54	Jan 07, 1987	8.66	Dec 22	8.11	Nov 03	8.30
Jan 08, 1986	9.20	Feb 05	9.18	Jan 22, 1988	8.91	Dec 02	9.02
Mar 12	8.54	Mar 06	9.14	Feb 23	9.05	28	8.95
May 15	8.74	Apr 03	8.93	Mar 16	9.45	Feb 16, 1989	9.39
Jun 11	8.49	28	8.87	17	9.45	Mar 16	9.39
Jul 08	8.55	May 27	8.96	Apr 12	8.94	Apr 13	9.22

Highest level, 7.85, Aug 16, 1984; lowest level, 9.60, Feb 16, 1989

Table 6.--Water-level measurements in selected wells, June 1984 - April 1989--Continued

[Water levels in feet below land surface]

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Well 11E; USGS Site number 381534083342302; Well depth, 49.3 feet; Altitude of land surface, 1,053.3 feet above sea level							
Mar 12, 1985	40.44	Jun 11, 1986	45.60	Jul 28, 1987	45.24	Sep 01, 1988	36.90
Apr 09	40.68	Jul 08	46.14	Sep 01	45.81	Oct 19	38.81
May 06	41.85	Aug 05	46.45	Oct 01	44.93	Nov 02	39.48
Jun 04	44.72	Sep 03	46.70	Dec 22	44.89	Dec 02	40.58
Jul 03	45.62	Oct 02	46.92	Feb 24, 1988	37.80	28	41.32
Aug 07	46.28	Nov 03	47.20	Mar 16	32.38	Feb 16, 1989	37.57
Sep 17	46.67	Dec 04	47.31	Apr 12	29.09	Mar 15	31.26
Oct 17	46.90	Apr 02, 1987	38.05	May 12	32.60	Apr 13	27.05
Jan 08, 1986	47.29	28	39.65	Jun 09	35.22		
Apr 15	41.70	May 27	40.99	Jul 06	37.39		
May 15	44.70	Jun 22	43.53	Aug 04	36.53		
Highest level, 27.05, Apr 13, 1989; lowest level, 47.31, Dec 04, 1986							

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 29-W; USGS Site number 381533083342201; lat 38°15'33", long 83°34'22";
Altitude of top of sump, 1,061.15 feet above sea level

June 1986 through May 1987

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	---	---	---	---	---	---	---	1,039.42	1,039.38	1,039.53	1,039.37	1,039.31
2	---	---	---	---	---	---	---	1,039.42	1,039.39	1,039.50	1,039.35	1,039.31
3	---	---	---	---	---	---	---	1,039.40	1,039.38	1,039.50	1,039.35	1,039.30
4	---	---	---	---	---	---	---	1,039.39	1,039.32	1,039.50	1,039.37	1,039.30
5	---	---	---	---	---	---	---	1,039.37	1,039.41	1,039.46	1,039.36	1,039.33
6	---	---	---	---	---	---	---	1,039.37	1,039.49	1,039.41	1,039.35	1,039.32
7	---	---	---	---	---	---	---	1,039.38	1,039.51	1,039.41	1,039.33	1,039.31
8	---	---	---	---	---	---	---	1,039.39	1,039.51	1,039.42	1,039.33	1,039.29
9	---	---	---	---	---	---	---	1,039.39	1,039.44	1,039.43	1,039.33	1,039.28
10	---	---	---	---	---	---	---	1,039.41	1,039.41	1,039.40	1,039.32	1,039.26
11	---	---	---	---	---	---	---	1,039.41	1,039.40	1,039.40	1,039.33	1,039.28
12	---	---	---	---	---	---	---	1,039.40	1,039.40	1,039.40	1,039.33	1,039.28
13	---	---	---	---	---	---	---	1,039.38	1,039.44	1,039.38	1,039.31	1,039.26
14	---	---	---	---	---	---	---	1,039.38	1,039.44	1,039.39	1,039.31	1,039.28
15	---	---	---	---	---	---	---	1,039.38	1,039.42	1,039.42	1,039.38	1,039.30
16	---	---	---	---	---	---	---	1,039.37	1,039.41	1,039.44	1,039.43	1,039.29
17	---	---	---	---	---	---	---	1,039.36	1,039.41	1,039.41	1,039.43	1,039.28
18	---	---	---	---	---	---	---	1,039.40	1,039.41	1,039.40	1,039.40	1,039.27
19	---	---	---	---	---	---	1,039.46	1,039.48	1,039.41	1,039.46	1,039.36	1,039.28
20	---	---	---	---	---	---	1,039.45	1,039.45	1,039.41	1,039.45	1,039.34	1,039.32
21	---	---	---	---	---	---	1,039.42	1,039.43	1,039.42	1,039.42	1,039.33	1,039.30
22	---	---	---	---	---	---	1,039.40	1,039.45	1,039.42	1,039.40	1,039.32	1,039.27
23	---	---	---	---	---	---	1,039.41	1,039.45	1,039.44	1,039.39	1,039.32	1,039.26
24	---	---	---	---	---	---	1,039.49	1,039.42	1,039.39	---	1,039.32	1,039.25
25	---	---	---	---	---	---	1,039.48	1,039.41	1,039.36	---	1,039.31	1,039.30
26	---	---	---	---	---	---	1,039.45	1,039.41	1,039.35	---	1,039.30	1,039.29
27	---	---	---	---	---	---	1,039.43	1,039.40	1,039.41	---	1,039.30	1,039.28
28	---	---	---	---	---	---	1,039.41	1,039.40	1,039.45	---	1,039.32	1,039.26
29	---	---	---	---	---	---	1,039.41	1,039.38	---	---	1,039.33	1,039.28
30	---	---	---	---	---	---	1,039.42	1,039.41	---	---	1,039.32	1,039.28
31	---	---	---	---	---	---	1,039.41	1,039.39	---	1,039.39	---	1,039.30
Mean	---	---	---	---	---	---	---	1,039.40	1,039.42	---	1,039.34	1,039.29
Max	---	---	---	---	---	---	---	1,039.48	1,039.51	---	1,039.43	1,039.33
Min	---	---	---	---	---	---	---	1,039.36	1,039.32	---	1,039.30	1,039.25

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 29-W; USGS Site number 381533083342201; lat 38°15'33", long 83°34'22";
Altitude of top of sump, 1,061.15 feet above sea level--Continued

June 1987 through May 1988

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	1,039.30	1,039.32	1,039.34	1,039.34	1,039.34	1,039.34	1,039.37	1,039.35	1,039.31	1,039.18	1,039.10	1,039.20
2	1,039.30	1,039.32	1,039.34	1,039.35	1,039.35	1,039.34	1,039.37	1,039.34	1,039.32	1,039.18	1,039.10	1,039.20
3	1,039.24	1,039.32	1,039.34	1,039.35	1,039.34	1,039.34	1,039.37	1,039.34	1,039.32	1,039.18	1,039.12	1,039.20
4	1,039.26	1,039.31	1,039.34	1,039.35	1,039.33	1,039.35	1,039.37	1,039.34	1,039.32	1,039.20	1,039.13	1,039.23
5	1,039.25	1,039.31	1,039.34	1,039.35	1,039.33	1,039.35	1,039.36	1,039.33	1,039.31	1,039.17	1,039.13	1,039.24
6	1,039.24	1,039.30	1,039.33	1,039.35	1,039.34	1,039.35	1,039.34	1,039.33	1,039.30	1,039.17	1,039.15	1,039.23
7	1,039.23	1,039.31	1,039.32	1,039.35	1,039.35	1,039.34	1,039.34	1,039.32	1,039.29	1,039.17	1,039.16	1,039.21
8	1,039.22	1,039.30	1,039.32	1,039.36	1,039.34	1,039.35	1,039.34	1,039.33	1,039.29	1,039.20	1,039.15	1,039.20
9	1,039.22	1,039.30	1,039.32	1,039.36	1,039.33	1,039.35	1,039.34	1,039.33	1,039.29	1,039.24	1,039.12	1,039.21
10	1,039.21	1,039.32	1,039.33	1,039.36	1,039.33	1,039.35	1,039.34	1,039.33	1,039.29	1,039.26	1,039.13	1,039.23
11	1,039.21	1,039.36	1,039.32	1,039.36	1,039.33	1,039.35	1,039.34	1,039.33	1,039.29	1,039.24	1,039.15	1,039.21
12	1,039.23	1,039.37	1,039.32	1,039.36	1,039.33	1,039.35	1,039.35	1,039.33	1,039.30	1,039.24	1,039.19	1,039.17
13	1,039.23	1,039.38	1,039.32	1,039.36	1,039.33	1,039.35	1,039.34	1,039.33	1,039.30	1,039.24	1,039.19	1,039.17
14	1,039.24	1,039.42	1,039.31	1,039.36	1,039.33	1,039.36	1,039.33	1,039.32	1,039.30	1,039.23	1,039.18	1,039.17
15	1,039.25	1,039.42	1,039.31	1,039.36	1,039.33	1,039.35	1,039.37	1,039.32	1,039.31	1,039.22	1,039.18	1,039.18
16	1,039.25	1,039.41	1,039.31	1,039.36	1,039.33	1,039.35	1,039.35	1,039.32	1,039.29	1,039.18	1,039.17	1,039.18
17	1,039.23	1,039.40	1,039.31	1,039.37	1,039.34	1,039.37	1,039.35	1,039.32	1,039.28	1,039.16	1,039.17	1,039.19
18	1,039.23	1,039.39	1,039.31	1,039.37	1,039.34	1,039.36	1,039.35	1,039.33	1,039.26	1,039.13	1,039.29	1,039.19
19	---	1,039.39	1,039.30	1,039.37	1,039.34	1,039.35	1,039.35	1,039.33	1,039.27	1,039.15	1,039.28	1,039.19
20	---	1,039.38	1,039.30	1,039.37	1,039.35	1,039.36	1,039.35	1,039.35	1,039.29	1,039.15	1,039.26	1,039.19
21	---	1,039.36	1,039.29	1,039.37	1,039.35	1,039.35	1,039.35	1,039.36	1,039.26	1,039.13	1,039.26	1,039.18
22	---	1,039.37	1,039.29	1,039.37	1,039.34	1,039.35	1,039.35	1,039.35	1,039.25	1,039.11	1,039.27	1,039.18
23	1,039.35	1,039.36	1,039.29	1,039.37	1,039.34	1,039.35	1,039.35	1,039.35	1,039.25	1,039.12	1,039.26	1,039.19
24	1,039.35	1,039.36	1,039.29	1,039.37	1,039.34	1,039.35	1,039.35	1,039.35	1,039.22	1,039.12	1,039.24	1,039.20
25	1,039.34	1,039.36	1,039.28	1,039.37	1,039.34	1,039.35	1,039.35	1,039.35	1,039.21	1,039.13	1,039.21	1,039.19
26	1,039.34	---	1,039.29	1,039.37	1,039.34	1,039.35	1,039.37	1,039.34	1,039.20	1,039.14	1,039.21	1,039.17
27	1,039.35	---	1,039.29	1,039.36	1,039.36	1,039.35	1,039.37	1,039.31	1,039.21	1,039.13	1,039.21	1,039.15
28	1,039.34	1,039.35	1,039.29	1,039.36	1,039.35	1,039.35	1,039.37	1,039.30	1,039.20	1,039.11	1,039.20	1,039.17
29	1,039.33	1,039.34	1,039.29	1,039.36	1,039.35	1,039.36	1,039.37	1,039.30	1,039.20	1,039.11	1,039.19	1,039.17
30	1,039.32	1,039.34	---	1,039.37	1,039.35	1,039.37	1,039.35	1,039.30	---	1,039.11	1,039.20	1,039.17
31	---	1,039.34	---	---	1,039.35	---	1,039.35	1,039.31	---	1,039.10	---	1,039.15
Mean	---	---	---	1,039.36	1,039.34	1,039.35	1,039.35	1,039.33	1,039.27	1,039.17	1,039.19	1,039.19
Max	---	---	---	1,039.37	1,039.36	1,039.37	1,039.37	1,039.36	1,039.32	1,039.26	1,039.29	1,039.24
Min	---	---	---	1,039.34	1,039.33	1,039.34	1,039.33	1,039.30	1,039.20	1,039.10	1,039.10	1,039.15

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 29-W; USGS Site number 381533083342201; lat 38°15'33", long 83°34'22";
Altitude of top of sump, 1,061.15 feet above sea level--Continued

June 1988 through April 1989

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
1	1,039.15	1,039.29	1,039.35	1,039.30	1,039.34	1,039.35	1,039.39	1,039.38	1,039.30	1,039.25	1,039.13
2	1,039.17	1,039.29	1,039.33	1,039.29	1,039.35	1,039.35	1,039.38	1,039.37	1,039.30	1,039.24	1,039.13
3	1,039.19	1,039.28	1,039.33	1,039.29	1,039.34	1,039.36	1,039.37	---	1,039.32	1,039.24	1,039.13
4	1,039.18	1,039.27	1,039.32	1,039.41	1,039.34	1,039.37	1,039.35	---	1,039.29	1,039.24	1,039.13
5	1,039.17	1,039.26	1,039.33	1,039.40	1,039.34	1,039.43	1,039.35	1,039.34	1,039.28	1,039.30	1,039.12
6	1,039.17	1,039.23	1,039.33	1,039.38	1,039.33	1,039.42	1,039.35	1,039.37	1,039.28	1,039.31	1,039.12
7	1,039.17	1,039.23	1,039.33	1,039.37	1,039.32	1,039.41	1,039.36	1,039.36	1,039.35	1,039.27	1,039.12
8	1,039.18	1,039.23	1,039.33	1,039.36	1,039.32	1,039.40	1,039.35	1,039.38	1,039.26	1,039.23	1,039.13
9	1,039.20	1,039.23	1,039.32	1,039.36	1,039.32	1,039.38	1,039.35	1,039.34	1,039.24	1,039.22	1,039.11
10	1,039.19	1,039.24	1,039.32	1,039.36	1,039.33	1,039.41	1,039.35	1,039.33	1,039.24	1,039.23	1,039.09
11	1,039.17	1,039.25	1,039.31	1,039.35	1,039.34	1,039.38	1,039.34	1,039.30	1,039.24	1,039.23	1,039.08
12	1,039.16	1,039.29	1,039.31	1,039.34	1,039.32	1,039.37	1,039.34	1,039.35	1,039.24	1,039.23	1,039.07
13	1,039.15	1,039.28	1,039.31	1,039.34	1,039.32	1,039.38	1,039.35	1,039.34	1,039.27	1,039.23	---
14	1,039.14	1,039.28	1,039.31	1,039.34	1,039.32	1,039.37	1,039.36	1,039.32	1,039.31	1,039.23	---
15	1,039.14	1,039.27	1,039.30	1,039.33	1,039.32	1,039.37	1,039.35	1,039.38	1,039.33	1,039.23	---
16	1,039.15	1,039.27	1,039.30	1,039.32	1,039.32	1,039.37	1,039.34	1,039.36	1,039.28	1,039.20	---
17	1,039.16	1,039.27	1,039.30	1,039.33	1,039.33	1,039.36	1,039.35	1,039.35	1,039.25	1,039.19	---
18	1,039.17	1,039.26	1,039.30	1,039.33	1,039.34	1,039.33	1,039.34	1,039.34	1,039.25	1,039.19	---
19	1,039.17	1,039.27	1,039.34	1,039.33	1,039.34	1,039.41	1,039.34	1,039.34	1,039.25	1,039.17	---
20	1,039.17	1,039.40	1,039.34	1,039.35	1,039.33	1,039.48	1,039.34	1,039.33	1,039.26	1,039.18	---
21	1,039.17	1,039.44	1,039.33	1,039.34	1,039.38	1,039.42	1,039.38	1,039.29	1,039.35	1,039.20	---
22	1,039.17	1,039.43	1,039.33	1,039.34	1,039.38	1,039.41	1,039.35	1,039.28	1,039.33	1,039.18	---
23	1,039.18	1,039.41	1,039.34	1,039.35	1,039.39	1,039.41	1,039.38	1,039.28	1,039.30	1,039.16	---
24	1,039.18	1,039.40	1,039.34	1,039.37	1,039.39	1,039.41	1,039.45	1,039.28	1,039.26	1,039.16	---
25	1,039.19	1,039.39	1,039.34	1,039.37	1,039.38	1,039.41	1,039.41	1,039.28	1,039.26	1,039.16	---
26	1,039.23	1,039.39	1,039.34	1,039.35	1,039.37	1,039.41	1,039.38	1,039.29	1,039.28	1,039.15	---
27	1,039.25	1,039.38	1,039.34	1,039.35	1,039.37	1,039.42	1,039.38	1,039.28	1,039.28	1,039.15	---
28	1,039.27	1,039.36	1,039.34	1,039.34	1,039.35	1,039.41	1,039.40	1,039.28	1,039.28	1,039.15	---
29	1,039.27	1,039.34	1,039.33	1,039.34	1,039.34	1,039.38	1,039.38	1,039.28	---	1,039.15	---
30	1,039.29	1,039.34	1,039.32	1,039.34	1,039.34	1,039.38	1,039.37	1,039.29	---	1,039.15	---
31	---	1,039.34	1,039.31	---	1,039.34	---	1,039.38	1,039.29	---	1,039.15	---
Mean	1,039.18	1,039.31	1,039.32	1,039.35	1,039.34	1,039.39	1,039.36	---	1,039.28	1,039.21	---
Max	1,039.29	1,039.44	1,039.35	1,039.41	1,039.39	1,039.48	1,039.45	---	1,039.35	1,039.31	---
Min	1,039.14	1,039.23	1,039.30	1,039.29	1,039.32	1,039.33	1,039.34	---	1,039.24	1,039.15	---

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 30-M; USGS Site number 381533083341901; lat 38°15'33", long 83°34'19";
Altitude of top of sump, 1,062.56 feet above sea level

June 1986 through May 1987

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	---	---	---	---	---	---	---	---	1,039.45	1,039.45	1,039.42	1,039.41
2	---	---	---	---	---	---	---	---	1,039.46	1,039.44	1,039.42	1,039.41
3	---	---	---	---	---	---	---	---	1,039.45	1,039.44	1,039.43	1,039.41
4	---	---	---	---	---	---	---	---	1,039.45	1,039.43	1,039.43	1,039.41
5	---	---	---	---	---	---	---	---	1,039.44	1,039.43	1,039.43	1,039.40
6	---	---	---	---	---	---	---	1,039.46	1,039.44	1,039.43	1,039.43	1,039.40
7	---	---	---	---	---	---	---	1,039.46	1,039.44	1,039.42	1,039.43	1,039.40
8	---	---	---	---	---	---	---	1,039.46	1,039.44	1,039.42	1,039.43	1,039.40
9	---	---	---	---	---	---	---	1,039.46	1,039.44	1,039.42	1,039.43	1,039.40
10	---	---	---	---	---	---	---	1,039.46	1,039.44	1,039.43	1,039.43	1,039.40
11	---	---	---	---	---	---	---	1,039.46	1,039.44	1,039.42	1,039.43	1,039.40
12	---	---	---	---	---	---	---	1,039.46	1,039.45	1,039.42	1,039.43	1,039.40
13	---	---	---	---	---	---	---	1,039.46	1,039.45	1,039.42	1,039.43	1,039.40
14	---	---	---	---	---	---	---	1,039.46	1,039.45	1,039.42	1,039.43	1,039.40
15	---	---	---	---	---	---	---	1,039.46	1,039.44	1,039.42	1,039.43	1,039.40
16	---	---	---	---	---	---	---	1,039.46	1,039.45	1,039.42	1,039.43	1,039.40
17	---	---	---	---	---	---	---	1,039.46	1,039.45	1,039.42	1,039.43	1,039.40
18	---	---	---	---	---	---	---	1,039.46	1,039.45	1,039.42	1,039.43	1,039.40
19	---	---	---	---	---	---	1,039.46	1,039.46	1,039.45	1,039.42	1,039.42	1,039.40
20	---	---	---	---	---	---	1,039.46	1,039.46	1,039.44	1,039.42	1,039.42	1,039.40
21	---	---	---	---	---	---	1,039.46	1,039.46	1,039.45	1,039.42	1,039.42	1,039.40
22	---	---	---	---	---	---	1,039.46	1,039.46	1,039.45	1,039.42	1,039.42	1,039.40
23	---	---	---	---	---	---	1,039.46	1,039.46	1,039.45	1,039.42	1,039.42	1,039.40
24	---	---	---	---	---	---	1,039.46	1,039.46	1,039.44	1,039.42	1,039.42	1,039.40
25	---	---	---	---	---	---	1,039.46	1,039.46	1,039.44	1,039.42	1,039.42	1,039.40
26	---	---	---	---	---	---	1,039.46	1,039.45	1,039.43	1,039.42	1,039.42	1,039.41
27	---	---	---	---	---	---	1,039.46	1,039.45	1,039.44	1,039.42	1,039.42	1,039.41
28	---	---	---	---	---	---	1,039.46	1,039.45	1,039.45	1,039.42	1,039.42	1,039.43
29	---	---	---	---	---	---	1,039.46	1,039.46	---	1,039.42	1,039.42	1,039.43
30	---	---	---	---	---	---	1,039.46	1,039.45	---	1,039.42	1,039.41	1,039.43
31	---	---	---	---	---	---	1,039.46	1,039.45	---	1,039.42	---	1,039.43
Mean	---	---	---	---	---	---	---	---	1,039.45	1,039.42	1,039.42	1,039.41
Max	---	---	---	---	---	---	---	---	1,039.46	1,039.45	1,039.43	1,039.43
Min	---	---	---	---	---	---	---	---	1,039.43	1,039.42	1,039.41	1,039.40

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 30-M; USGS Site number 381533083341901; lat 38°15'33", long 83°34'19";
Altitude of top of sump, 1,062.56 feet above sea level--Continued

June 1987 through May 1988

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	1,039.43	1,039.42	1,039.41	1,039.41	1,039.41	1,039.40	1,039.41	1,039.41	1,039.41	---	1,039.38	1,039.36
2	1,039.43	1,039.42	1,039.41	1,039.41	1,039.41	1,039.40	1,039.41	1,039.41	1,039.41	---	1,039.38	1,039.36
3	1,039.43	1,039.42	1,039.42	1,039.41	1,039.41	1,039.40	1,039.41	1,039.41	1,039.41	---	1,039.38	1,039.36
4	1,039.42	1,039.42	1,039.42	1,039.41	1,039.41	1,039.40	1,039.41	1,039.41	1,039.41	---	1,039.38	1,039.36
5	1,039.42	1,039.42	1,039.42	1,039.41	1,039.42	1,039.41	1,039.41	1,039.41	1,039.41	---	1,039.38	1,039.36
6	1,039.42	1,039.42	1,039.42	1,039.41	1,039.42	1,039.41	1,039.41	1,039.41	1,039.40	---	1,039.38	1,039.36
7	1,039.42	1,039.42	1,039.42	1,039.41	1,039.41	1,039.41	1,039.41	1,039.41	1,039.40	---	1,039.38	1,039.36
8	1,039.42	1,039.42	1,039.42	1,039.41	1,039.41	1,039.41	1,039.42	1,039.41	1,039.40	---	1,039.38	1,039.36
9	1,039.42	1,039.42	1,039.42	1,039.41	1,039.41	1,039.41	1,039.42	1,039.41	1,039.40	---	1,039.38	1,039.36
10	1,039.42	1,039.42	1,039.42	1,039.41	1,039.41	1,039.41	1,039.40	1,039.41	1,039.40	---	1,039.37	1,039.36
11	1,039.43	1,039.42	1,039.42	1,039.41	1,039.41	1,039.41	1,039.40	1,039.41	1,039.40	---	1,039.37	1,039.36
12	1,039.43	1,039.42	1,039.42	1,039.41	1,039.41	1,039.41	1,039.40	1,039.41	1,039.40	---	1,039.36	1,039.36
13	1,039.43	1,039.43	1,039.41	1,039.41	1,039.41	1,039.41	1,039.40	1,039.41	1,039.40	---	1,039.36	1,039.36
14	1,039.43	1,039.43	1,039.41	1,039.41	1,039.41	1,039.41	1,039.40	1,039.41	1,039.40	---	1,039.37	1,039.36
15	1,039.43	1,039.42	1,039.41	1,039.41	1,039.41	1,039.41	1,039.40	1,039.41	1,039.40	---	1,039.36	1,039.36
16	1,039.43	1,039.42	1,039.41	1,039.41	1,039.41	1,039.41	1,039.40	1,039.41	1,039.40	---	1,039.36	1,039.36
17	1,039.43	1,039.42	1,039.41	1,039.41	1,039.41	1,039.41	1,039.40	1,039.41	1,039.40	1,039.39	1,039.37	1,039.36
18	1,039.43	1,039.42	1,039.41	1,039.41	1,039.41	1,039.41	1,039.40	1,039.41	1,039.40	1,039.38	1,039.37	1,039.36
19	---	1,039.42	1,039.41	1,039.41	1,039.41	1,039.41	1,039.40	1,039.41	1,039.40	1,039.38	1,039.37	1,039.36
20	---	1,039.42	1,039.41	1,039.41	1,039.41	1,039.41	1,039.40	1,039.41	1,039.40	1,039.38	1,039.36	1,039.36
21	---	1,039.42	1,039.41	1,039.41	1,039.41	1,039.41	1,039.40	1,039.41	1,039.40	1,039.38	1,039.36	1,039.36
22	---	1,039.42	1,039.41	1,039.41	1,039.41	1,039.41	1,039.40	1,039.41	1,039.40	1,039.38	1,039.36	1,039.36
23	1,039.42	1,039.42	1,039.41	1,039.41	1,039.41	1,039.41	1,039.40	1,039.41	1,039.40	1,039.38	1,039.36	1,039.36
24	1,039.42	1,039.42	1,039.41	1,039.41	1,039.41	1,039.41	1,039.40	1,039.41	1,039.40	1,039.38	1,039.36	1,039.36
25	1,039.43	1,039.42	1,039.41	1,039.41	1,039.41	1,039.41	1,039.40	1,039.41	---	1,039.39	1,039.36	1,039.36
26	1,039.43	1,039.41	1,039.41	1,039.41	1,039.41	1,039.41	1,039.40	1,039.41	---	1,039.39	1,039.36	1,039.36
27	1,039.43	1,039.41	1,039.41	1,039.41	1,039.40	1,039.41	1,039.40	1,039.41	---	1,039.38	1,039.36	1,039.36
28	1,039.43	1,039.41	1,039.41	1,039.41	1,039.40	1,039.41	1,039.40	1,039.41	---	1,039.38	1,039.36	1,039.36
29	1,039.43	1,039.41	1,039.41	1,039.41	1,039.40	1,039.41	1,039.40	1,039.41	---	1,039.38	1,039.36	1,039.36
30	1,039.42	1,039.41	1,039.41	1,039.41	1,039.40	1,039.41	1,039.40	1,039.41	---	1,039.38	1,039.36	1,039.36
31	---	1,039.41	1,039.41	---	1,039.40	---	1,039.40	1,039.41	---	1,039.38	---	1,039.36
Mean	---	1,039.42	1,039.41	1,039.41	1,039.41	1,039.41	1,039.40	1,039.41	---	---	1,039.37	1,039.36
Max	---	1,039.43	1,039.42	1,039.41	1,039.42	1,039.41	1,039.42	1,039.41	---	---	1,039.38	1,039.36
Min	---	1,039.41	1,039.41	1,039.41	1,039.40	1,039.40	1,039.40	1,039.41	---	---	1,039.36	1,039.36

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 30-M; USGS Site number 381533083341901; lat 38°15'33", long 83°34'19";
Altitude of top of sump, 1,062.56 feet above sea level--Continued

June 1988 through April 1989

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
1	1,039.36	---	1,039.35	1,039.34	1,039.35	1,039.35	1,039.32	1,039.32	1,039.31	1,039.29	1,039.28
2	1,039.36	---	1,039.35	1,039.34	1,039.35	1,039.35	1,039.32	1,039.32	1,039.31	1,039.29	1,039.28
3	1,039.36	---	1,039.35	1,039.34	1,039.35	1,039.35	1,039.32	1,039.32	1,039.31	1,039.29	1,039.29
4	1,039.36	---	1,039.34	1,039.34	1,039.35	1,039.35	1,039.32	1,039.32	1,039.30	1,039.29	1,039.29
5	1,039.36	---	1,039.34	1,039.34	1,039.35	1,039.35	1,039.32	1,039.32	1,039.30	1,039.29	1,039.29
6	1,039.36	---	1,039.34	1,039.34	1,039.34	1,039.35	1,039.32	1,039.32	1,039.30	1,039.29	1,039.29
7	1,039.36	1,039.35	1,039.34	1,039.34	1,039.34	1,039.35	1,039.32	1,039.32	1,039.30	1,039.29	1,039.29
8	1,039.36	1,039.35	1,039.34	1,039.34	1,039.35	1,039.35	1,039.32	1,039.32	1,039.30	1,039.29	1,039.29
9	1,039.36	1,039.35	1,039.34	1,039.34	1,039.35	1,039.35	1,039.32	1,039.32	1,039.30	1,039.29	1,039.28
10	---	1,039.35	1,039.34	1,039.34	1,039.35	1,039.35	1,039.32	1,039.32	1,039.30	1,039.29	1,039.28
11	---	1,039.35	1,039.34	1,039.34	1,039.35	1,039.35	1,039.32	1,039.32	1,039.30	1,039.29	1,039.28
12	---	1,039.35	1,039.34	1,039.34	1,039.35	1,039.35	1,039.32	1,039.32	1,039.30	1,039.29	1,039.28
13	---	1,039.35	1,039.34	1,039.34	1,039.34	1,039.35	1,039.32	1,039.32	1,039.30	1,039.29	---
14	---	1,039.35	1,039.34	1,039.34	1,039.34	1,039.35	1,039.32	1,039.32	1,039.30	1,039.29	---
15	---	1,039.35	1,039.34	1,039.34	1,039.34	1,039.35	1,039.32	1,039.32	1,039.30	1,039.29	---
16	---	1,039.35	1,039.34	1,039.34	1,039.34	1,039.35	1,039.32	1,039.32	1,039.30	1,039.29	---
17	---	1,039.35	1,039.34	1,039.34	1,039.35	1,039.35	1,039.32	1,039.32	1,039.29	1,039.29	---
18	---	1,039.35	1,039.34	1,039.34	1,039.35	1,039.35	1,039.32	1,039.31	1,039.29	1,039.29	---
19	---	1,039.35	1,039.34	1,039.35	1,039.35	1,039.35	1,039.32	1,039.31	1,039.29	1,039.28	---
20	---	1,039.35	---	1,039.35	1,039.35	1,039.35	1,039.32	1,039.31	1,039.30	1,039.29	---
21	---	1,039.35	---	1,039.34	1,039.35	1,039.35	1,039.32	1,039.30	1,039.30	1,039.28	---
22	---	1,039.35	---	1,039.35	1,039.35	1,039.35	1,039.32	1,039.31	1,039.29	1,039.28	---
23	---	1,039.35	---	1,039.35	1,039.35	1,039.35	1,039.32	1,039.31	1,039.29	1,039.28	---
24	---	1,039.35	---	1,039.35	1,039.35	1,039.35	1,039.32	1,039.31	1,039.29	1,039.28	---
25	---	1,039.35	---	1,039.35	1,039.35	1,039.35	1,039.32	1,039.31	1,039.29	1,039.28	---
26	---	1,039.35	---	1,039.35	1,039.35	1,039.35	1,039.32	1,039.31	1,039.30	1,039.28	---
27	---	1,039.35	---	1,039.35	1,039.35	1,039.35	1,039.32	1,039.31	1,039.30	1,039.28	---
28	---	1,039.35	---	1,039.35	1,039.35	1,039.35	1,039.32	1,039.31	1,039.29	1,039.28	---
29	---	1,039.35	---	1,039.35	1,039.35	1,039.34	1,039.32	1,039.31	---	1,039.28	---
30	---	1,039.35	---	1,039.35	1,039.35	1,039.34	1,039.32	1,039.31	---	1,039.28	---
31	---	1,039.35	---	---	1,039.35	---	1,039.32	1,039.31	---	1,039.28	---
Mean	---	---	---	1,039.34	1,039.35	1,039.35	1,039.32	1,039.31	1,039.30	1,039.29	---
Max	---	---	---	1,039.35	1,039.35	1,039.35	1,039.32	1,039.32	1,039.31	1,039.29	---
Min	---	---	---	1,039.34	1,039.34	1,039.34	1,039.32	1,039.30	1,039.29	1,039.28	---

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 31-5; USGS Site number 381534083342001; lat 38°15'34", long 83°34'20";
Altitude of top of sump, 1,058.61 feet above sea level

June 1986 through May 1987

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	---	---	---	---	---	---	---	1,039.74	1,039.69	1,039.66	1,039.65	1,039.65
2	---	---	---	---	---	---	---	1,039.74	1,039.69	1,039.66	1,039.65	1,039.65
3	---	---	---	---	---	---	1,039.75	1,039.74	1,039.69	1,039.66	1,039.64	1,039.65
4	---	---	---	---	---	---	1,039.75	1,039.74	1,039.69	1,039.65	1,039.64	1,039.65
5	---	---	---	---	---	---	1,039.75	1,039.74	1,039.67	1,039.65	1,039.64	1,039.65
6	---	---	---	---	---	---	1,039.75	1,039.73	1,039.67	1,039.66	1,039.64	1,039.65
7	---	---	---	---	---	---	1,039.75	1,039.73	1,039.67	1,039.66	1,039.64	1,039.65
8	---	---	---	---	---	---	1,039.75	1,039.71	1,039.67	1,039.66	1,039.64	1,039.65
9	---	---	---	---	---	---	1,039.75	1,039.71	1,039.67	1,039.66	1,039.64	1,039.65
10	---	---	---	---	---	---	1,039.75	1,039.71	1,039.67	1,039.66	1,039.64	1,039.65
11	---	---	---	---	---	---	1,039.75	1,039.71	1,039.67	1,039.66	1,039.64	1,039.65
12	---	---	---	---	---	---	1,039.75	1,039.71	1,039.67	1,039.66	1,039.64	1,039.65
13	---	---	---	---	---	---	1,039.75	1,039.71	1,039.67	1,039.66	1,039.64	1,039.65
14	---	---	---	---	---	---	1,039.75	1,039.71	1,039.67	1,039.66	1,039.64	1,039.65
15	---	---	---	---	---	---	1,039.75	1,039.71	1,039.67	1,039.66	1,039.64	1,039.65
16	---	---	---	---	---	---	1,039.75	1,039.71	1,039.67	1,039.66	1,039.64	1,039.65
17	---	---	---	---	---	---	1,039.75	1,039.71	1,039.67	1,039.66	1,039.64	1,039.65
18	---	---	---	---	---	---	1,039.75	1,039.71	1,039.67	1,039.66	1,039.64	1,039.65
19	---	---	---	---	---	---	1,039.74	1,039.71	1,039.67	1,039.66	1,039.64	1,039.65
20	---	---	---	---	---	---	1,039.74	1,039.71	1,039.67	1,039.66	1,039.64	1,039.65
21	---	---	---	---	---	---	1,039.74	1,039.71	1,039.67	1,039.66	1,039.64	1,039.65
22	---	---	---	---	---	---	1,039.74	1,039.70	1,039.67	1,039.66	1,039.64	1,039.65
23	---	---	---	---	---	---	1,039.74	1,039.70	1,039.67	1,039.66	1,039.64	1,039.65
24	---	---	---	---	---	---	1,039.74	1,039.70	1,039.67	1,039.65	1,039.64	1,039.65
25	---	---	---	---	---	---	1,039.74	1,039.70	1,039.66	1,039.65	1,039.64	1,039.65
26	---	---	---	---	---	---	1,039.74	1,039.70	1,039.66	1,039.65	1,039.64	1,039.65
27	---	---	---	---	---	---	1,039.74	1,039.70	1,039.66	1,039.65	1,039.64	1,039.65
28	---	---	---	---	---	---	1,039.74	1,039.70	1,039.66	1,039.65	1,039.64	1,039.65
29	---	---	---	---	---	---	1,039.74	1,039.69	---	1,039.65	1,039.64	1,039.65
30	---	---	---	---	---	---	1,039.74	1,039.69	---	1,039.65	1,039.65	1,039.65
31	---	---	---	---	---	---	1,039.74	1,039.69	---	1,039.65	---	1,039.65
Mean	---	---	---	---	---	---	---	1,039.71	1,039.67	1,039.66	1,039.64	1,039.65
Max	---	---	---	---	---	---	---	1,039.74	1,039.69	1,039.66	1,039.65	1,039.65
Min	---	---	---	---	---	---	---	1,039.69	1,039.66	1,039.65	1,039.64	1,039.65

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 31-5; USGS Site number 381534083342001; lat 38°15'34", long 83°34'20";
Altitude of top of sump, 1,058.61 feet above sea level--Continued

June 1987 through May 1988

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	1,039.65	1,039.63	1,039.66	1,039.66	1,039.67	1,039.67	1,039.68	1,039.65	1,039.62	1,039.60	1,039.59	---
2	1,039.65	1,039.63	1,039.66	1,039.65	1,039.66	1,039.68	1,039.68	1,039.65	1,039.62	1,039.60	1,039.59	---
3	1,039.65	1,039.63	1,039.66	1,039.65	1,039.66	1,039.68	1,039.68	1,039.65	1,039.62	1,039.60	1,039.59	---
4	1,039.65	1,039.63	1,039.66	1,039.65	1,039.66	1,039.68	1,039.68	1,039.64	1,039.62	1,039.60	1,039.59	---
5	1,039.65	1,039.63	1,039.66	1,039.66	1,039.66	1,039.68	1,039.68	1,039.64	1,039.61	1,039.60	1,039.59	---
6	1,039.65	1,039.63	1,039.66	1,039.66	1,039.66	1,039.68	1,039.68	1,039.64	1,039.61	1,039.60	1,039.59	---
7	1,039.65	1,039.64	1,039.66	1,039.66	1,039.66	1,039.68	1,039.68	1,039.64	1,039.61	1,039.60	1,039.59	---
8	1,039.65	1,039.64	1,039.66	1,039.66	1,039.66	1,039.68	1,039.68	1,039.64	1,039.61	1,039.60	1,039.59	---
9	1,039.65	1,039.64	1,039.66	1,039.66	1,039.66	1,039.68	1,039.68	1,039.64	1,039.61	1,039.60	1,039.59	---
10	1,039.65	1,039.64	1,039.66	1,039.66	1,039.66	1,039.68	1,039.68	1,039.64	1,039.61	1,039.60	1,039.59	---
11	1,039.65	1,039.64	1,039.66	1,039.66	1,039.66	1,039.68	1,039.68	1,039.64	1,039.61	1,039.60	1,039.59	---
12	1,039.65	1,039.64	1,039.66	1,039.66	1,039.66	1,039.68	1,039.68	1,039.63	1,039.60	1,039.60	1,039.59	1,039.56
13	1,039.65	1,039.64	1,039.66	1,039.66	1,039.66	1,039.68	1,039.68	1,039.63	1,039.60	1,039.60	1,039.59	1,039.56
14	1,039.65	1,039.64	1,039.66	1,039.66	1,039.66	1,039.68	1,039.68	1,039.63	1,039.60	1,039.60	---	1,039.56
15	1,039.65	1,039.64	1,039.66	1,039.66	1,039.66	1,039.68	1,039.67	1,039.63	1,039.60	1,039.60	---	1,039.56
16	1,039.65	1,039.64	1,039.66	1,039.66	1,039.66	1,039.68	1,039.67	1,039.63	1,039.60	1,039.60	---	1,039.56
17	1,039.65	1,039.64	1,039.66	1,039.66	1,039.66	1,039.68	1,039.67	1,039.63	1,039.60	1,039.59	---	1,039.56
18	1,039.65	1,039.64	1,039.66	1,039.66	1,039.66	1,039.68	1,039.67	1,039.63	1,039.60	1,039.59	---	1,039.56
19	1,039.65	1,039.64	1,039.66	1,039.66	1,039.66	1,039.68	1,039.67	1,039.63	1,039.60	1,039.59	---	1,039.56
20	1,039.65	1,039.64	1,039.66	1,039.66	1,039.66	1,039.68	1,039.67	1,039.63	1,039.60	1,039.59	---	1,039.56
21	1,039.65	1,039.64	1,039.66	1,039.66	1,039.66	1,039.68	1,039.66	1,039.63	1,039.60	1,039.59	---	1,039.56
22	1,039.65	1,039.64	1,039.67	1,039.66	1,039.66	1,039.68	1,039.66	1,039.63	1,039.59	1,039.59	---	1,039.56
23	1,039.65	1,039.64	1,039.67	1,039.66	1,039.66	1,039.68	1,039.66	1,039.63	1,039.60	1,039.59	---	1,039.56
24	1,039.64	1,039.64	1,039.67	1,039.66	1,039.66	1,039.68	1,039.66	1,039.63	1,039.60	1,039.59	---	1,039.56
25	1,039.63	1,039.64	1,039.67	1,039.66	1,039.66	1,039.68	1,039.66	1,039.63	1,039.60	1,039.59	---	1,039.56
26	1,039.63	---	1,039.67	1,039.66	1,039.66	1,039.68	1,039.66	1,039.62	1,039.60	1,039.59	---	1,039.56
27	1,039.63	---	1,039.67	1,039.66	1,039.66	1,039.68	1,039.66	1,039.62	1,039.60	1,039.59	---	1,039.56
28	1,039.63	1,039.66	1,039.67	1,039.66	1,039.67	1,039.68	1,039.66	1,039.62	1,039.60	1,039.59	---	1,039.56
29	1,039.63	1,039.66	1,039.67	1,039.66	1,039.67	1,039.68	1,039.66	1,039.62	1,039.60	1,039.59	---	1,039.56
30	1,039.63	1,039.66	1,039.67	1,039.67	1,039.67	1,039.68	1,039.65	1,039.62	---	1,039.59	---	1,039.56
31	---	1,039.66	---	---	1,039.67	---	1,039.65	1,039.62	---	1,039.59	---	1,039.56
Mean	1,039.65	---	---	1,039.66	1,039.66	1,039.68	1,039.67	1,039.63	1,039.60	1,039.59	---	---
Max	1,039.65	---	---	1,039.67	1,039.67	1,039.68	1,039.68	1,039.65	1,039.62	1,039.60	---	---
Min	1,039.63	---	---	1,039.65	1,039.66	1,039.67	1,039.65	1,039.62	1,039.59	1,039.59	---	---

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 31-5; USGS Site number 381534083342001; lat 38°15'34", long 83°34'20";
Altitude of top of sump, 1,058.61 feet above sea level--Continued

June 1988 through April 1989

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
1	1,039.56	1,039.56	1,039.60	1,039.60	1,039.61	---	1,039.61	1,039.62	1,039.60	1,039.59	1,039.58
2	1,039.56	1,039.56	1,039.60	1,039.61	1,039.61	1,039.63	1,039.61	1,039.62	1,039.60	1,039.59	1,039.58
3	1,039.56	1,039.56	1,039.60	1,039.61	1,039.61	1,039.63	1,039.61	1,039.62	1,039.60	1,039.59	1,039.58
4	1,039.56	1,039.56	1,039.60	1,039.61	1,039.63	---	1,039.61	1,039.62	1,039.60	1,039.59	1,039.58
5	1,039.56	1,039.56	1,039.60	1,039.61	1,039.63	---	1,039.61	1,039.62	1,039.60	1,039.59	1,039.58
6	1,039.56	1,039.58	1,039.60	1,039.61	1,039.63	---	1,039.61	1,039.62	1,039.60	1,039.59	1,039.58
7	1,039.56	1,039.58	1,039.60	1,039.61	1,039.63	---	1,039.61	1,039.62	1,039.60	1,039.59	1,039.58
8	1,039.56	1,039.58	1,039.60	1,039.61	1,039.63	---	1,039.61	1,039.62	1,039.60	1,039.59	1,039.58
9	1,039.56	1,039.58	1,039.60	1,039.61	1,039.63	---	1,039.61	1,039.62	1,039.60	1,039.58	1,039.58
10	1,039.56	1,039.58	1,039.60	1,039.61	1,039.63	---	1,039.61	1,039.62	1,039.60	1,039.58	1,039.58
11	1,039.56	1,039.58	1,039.60	1,039.61	1,039.63	---	1,039.61	1,039.62	1,039.60	1,039.58	1,039.58
12	1,039.56	1,039.58	1,039.60	1,039.61	1,039.63	---	1,039.61	1,039.62	1,039.60	1,039.58	1,039.58
13	1,039.56	1,039.58	1,039.60	1,039.61	1,039.63	---	1,039.61	1,039.62	1,039.60	1,039.58	---
14	1,039.56	1,039.58	1,039.60	1,039.61	1,039.63	---	1,039.61	1,039.62	1,039.60	1,039.58	---
15	1,039.56	1,039.59	1,039.60	1,039.61	---	---	1,039.61	1,039.62	1,039.60	1,039.58	---
16	1,039.56	1,039.59	1,039.60	1,039.61	---	---	1,039.61	1,039.62	1,039.60	1,039.58	---
17	1,039.56	1,039.59	1,039.60	1,039.61	---	---	1,039.61	1,039.62	1,039.59	1,039.58	---
18	1,039.56	1,039.59	1,039.60	1,039.61	---	---	1,039.61	1,039.61	1,039.59	1,039.58	---
19	1,039.56	1,039.59	1,039.60	1,039.61	---	---	1,039.61	1,039.61	1,039.59	1,039.58	---
20	1,039.56	1,039.59	1,039.60	1,039.61	---	---	1,039.61	1,039.61	1,039.59	1,039.58	---
21	1,039.56	1,039.59	1,039.60	1,039.61	---	---	1,039.62	1,039.61	1,039.59	1,039.58	---
22	1,039.56	1,039.59	1,039.60	1,039.61	---	---	1,039.62	1,039.61	1,039.59	1,039.58	---
23	1,039.56	1,039.60	1,039.60	1,039.61	---	---	1,039.62	1,039.61	1,039.59	1,039.58	---
24	1,039.56	1,039.60	1,039.60	1,039.61	---	---	1,039.62	1,039.61	1,039.59	1,039.58	---
25	1,039.56	1,039.60	1,039.60	1,039.61	---	---	1,039.62	1,039.61	1,039.59	1,039.58	---
26	1,039.56	1,039.60	1,039.60	1,039.61	---	---	1,039.62	1,039.61	1,039.59	1,039.58	---
27	1,039.56	1,039.60	1,039.60	1,039.61	---	---	1,039.62	1,039.61	1,039.59	1,039.58	---
28	1,039.56	1,039.60	1,039.60	1,039.61	---	---	1,039.62	1,039.61	1,039.59	1,039.58	---
29	1,039.56	1,039.60	1,039.60	1,039.61	---	---	1,039.62	1,039.61	---	1,039.58	---
30	1,039.56	1,039.60	1,039.60	1,039.61	---	---	1,039.62	1,039.61	---	1,039.58	---
31	---	1,039.60	1,039.60	---	---	---	1,039.62	1,039.61	---	1,039.58	---
Mean	1,039.56	1,039.58	1,039.60	1,039.61	---	---	1,039.61	1,039.62	1,039.60	1,039.58	---
Max	1,039.56	1,039.60	1,039.60	1,039.61	---	---	1,039.62	1,039.62	1,039.60	1,039.59	---
Min	1,039.56	1,039.56	1,039.60	1,039.60	---	---	1,039.61	1,039.61	1,039.59	1,039.58	---

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 32-7; USGS Site number 381535083342001; lat 38°15'35", long 83°34'20";
Altitude of top of sump, 1,060.74 feet above sea level

June 1986 through May 1987

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	---	---	---	---	---	---	1,036.39	1,036.32	1,036.32	1,036.31	1,036.29	1,036.30
2	---	---	---	---	---	---	1,036.38	1,036.32	1,036.31	1,036.31	1,036.29	1,036.30
3	---	---	---	---	---	---	1,036.38	1,036.32	1,036.31	1,036.31	1,036.29	1,036.30
4	---	---	---	---	---	---	1,036.38	1,036.32	1,036.31	1,036.31	1,036.29	1,036.30
5	---	---	---	---	---	---	1,036.38	1,036.32	1,036.31	1,036.31	1,036.29	1,036.30
6	---	---	---	---	---	---	1,036.37	1,036.32	1,036.31	1,036.31	1,036.29	1,036.30
7	---	---	---	---	---	---	1,036.37	1,036.32	1,036.31	1,036.30	1,036.29	1,036.30
8	---	---	---	---	---	---	1,036.37	1,036.32	1,036.31	1,036.30	1,036.29	1,036.30
9	---	---	---	---	---	---	1,036.37	1,036.32	1,036.31	1,036.30	1,036.29	1,036.30
10	---	---	---	---	---	---	1,036.37	1,036.32	1,036.31	1,036.30	1,036.29	1,036.30
11	---	---	---	---	---	---	1,036.36	1,036.32	1,036.31	1,036.30	1,036.29	1,036.30
12	---	---	---	---	---	---	1,036.36	1,036.32	1,036.31	1,036.30	1,036.29	1,036.30
13	---	---	---	---	---	---	1,036.36	1,036.32	1,036.31	1,036.30	1,036.29	1,036.30
14	---	---	---	---	---	1,036.44	1,036.36	1,036.32	1,036.31	1,036.30	1,036.29	1,036.30
15	---	---	---	---	---	1,036.44	1,036.36	1,036.32	1,036.31	1,036.30	1,036.29	---
16	---	---	---	---	---	1,036.43	1,036.35	1,036.32	1,036.31	1,036.30	1,036.29	---
17	---	---	---	---	---	1,036.43	1,036.35	1,036.32	1,036.31	1,036.30	1,036.29	---
18	---	---	---	---	---	1,036.43	1,036.35	1,036.32	1,036.31	1,036.30	1,036.29	---
19	---	---	---	---	---	1,036.43	1,036.35	1,036.32	1,036.31	1,036.30	1,036.29	---
20	---	---	---	---	---	1,036.42	1,036.34	1,036.32	1,036.31	1,036.30	1,036.29	---
21	---	---	---	---	---	1,036.42	1,036.34	1,036.32	1,036.31	1,036.30	1,036.29	---
22	---	---	---	---	---	1,036.41	1,036.34	1,036.32	1,036.31	1,036.30	1,036.29	---
23	---	---	---	---	---	1,036.41	1,036.34	1,036.32	1,036.31	1,036.30	1,036.29	---
24	---	---	---	---	---	1,036.40	1,036.34	1,036.32	1,036.30	1,036.29	1,036.29	---
25	---	---	---	---	---	1,036.40	1,036.34	1,036.32	1,036.30	1,036.29	1,036.29	---
26	---	---	---	---	---	1,036.39	1,036.34	1,036.32	1,036.30	1,036.29	1,036.29	---
27	---	---	---	---	---	1,036.39	1,036.34	1,036.32	1,036.30	1,036.29	1,036.29	---
28	---	---	---	---	---	1,036.39	1,036.34	1,036.32	1,036.30	1,036.29	1,036.29	1,036.32
29	---	---	---	---	---	1,036.39	1,036.34	1,036.32	---	1,036.29	1,036.29	1,036.32
30	---	---	---	---	---	1,036.39	1,036.33	1,036.32	---	1,036.29	1,036.30	1,036.32
31	---	---	---	---	---	---	1,036.33	1,036.32	---	1,036.29	---	1,036.32
Mean	---	---	---	---	---	---	1,036.36	1,036.32	1,036.31	1,036.30	1,036.29	---
Max	---	---	---	---	---	---	1,036.39	1,036.32	1,036.32	1,036.31	1,036.30	---
Min	---	---	---	---	---	---	1,036.33	1,036.32	1,036.30	1,036.29	1,036.29	---

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 32-7; USGS Site number 381535083342001; lat 38°15'35", long 83°34'20";
Altitude of top of sump, 1,060.74 feet above sea level--Continued

June 1987 through May 1988

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	1,036.32	1,036.32	1,036.33	1,036.33	1,036.33	1,036.31	1,036.30	1,036.31	1,036.31	1,036.29	1,036.28	1,036.28
2	1,036.32	1,036.32	1,036.33	1,036.33	1,036.33	1,036.31	1,036.30	1,036.31	1,036.31	1,036.29	1,036.28	1,036.28
3	1,036.32	1,036.32	1,036.33	1,036.33	1,036.33	1,036.31	1,036.30	1,036.31	1,036.31	1,036.29	1,036.28	1,036.28
4	1,036.32	1,036.32	1,036.33	1,036.33	1,036.33	1,036.31	1,036.30	1,036.31	1,036.31	1,036.29	1,036.28	1,036.28
5	1,036.32	1,036.32	1,036.33	1,036.33	1,036.33	1,036.31	1,036.30	1,036.31	1,036.31	1,036.29	1,036.28	1,036.28
6	1,036.32	1,036.32	1,036.33	1,036.33	1,036.33	1,036.31	1,036.30	1,036.31	1,036.31	1,036.29	1,036.28	1,036.28
7	1,036.32	1,036.32	1,036.33	1,036.33	1,036.33	1,036.31	1,036.30	1,036.31	1,036.31	1,036.29	1,036.28	1,036.28
8	1,036.32	1,036.32	1,036.33	1,036.33	1,036.33	1,036.31	1,036.30	1,036.31	1,036.31	1,036.29	1,036.28	1,036.28
9	1,036.32	1,036.32	1,036.33	1,036.33	1,036.33	1,036.30	1,036.30	1,036.31	1,036.31	1,036.29	1,036.28	1,036.28
10	1,036.32	1,036.32	1,036.34	1,036.33	1,036.32	1,036.30	1,036.30	1,036.31	1,036.31	1,036.29	1,036.28	1,036.28
11	1,036.32	1,036.32	1,036.34	1,036.33	1,036.32	1,036.30	1,036.30	1,036.31	1,036.31	1,036.29	1,036.28	1,036.28
12	1,036.32	1,036.32	1,036.34	1,036.33	---	1,036.30	1,036.30	1,036.31	1,036.31	1,036.29	1,036.28	1,036.28
13	1,036.32	1,036.32	1,036.34	1,036.33	1,036.32	1,036.30	1,036.30	1,036.31	1,036.31	1,036.29	1,036.28	1,036.28
14	1,036.32	1,036.32	1,036.34	1,036.33	1,036.32	1,036.30	1,036.30	1,036.31	1,036.30	1,036.29	1,036.28	1,036.28
15	1,036.32	1,036.32	1,036.34	1,036.33	1,036.32	1,036.30	1,036.30	1,036.31	1,036.30	1,036.29	1,036.28	1,036.28
16	1,036.32	1,036.32	1,036.34	1,036.33	1,036.32	1,036.30	1,036.30	1,036.31	1,036.30	1,036.29	1,036.28	1,036.29
17	1,036.32	1,036.32	1,036.34	1,036.33	1,036.32	1,036.30	1,036.30	1,036.31	1,036.30	1,036.28	1,036.28	1,036.29
18	1,036.32	1,036.32	1,036.34	1,036.33	1,036.32	1,036.30	1,036.30	1,036.31	1,036.30	1,036.28	1,036.28	1,036.29
19	1,036.32	1,036.32	1,036.34	1,036.33	1,036.32	1,036.30	1,036.30	1,036.31	1,036.30	1,036.28	1,036.28	1,036.29
20	1,036.32	1,036.32	1,036.34	1,036.33	1,036.32	1,036.30	1,036.30	1,036.31	1,036.30	1,036.28	1,036.28	1,036.29
21	1,036.32	1,036.32	1,036.34	1,036.33	1,036.31	1,036.30	1,036.30	1,036.31	1,036.30	1,036.28	1,036.28	1,036.29
22	1,036.32	1,036.32	1,036.34	1,036.33	1,036.31	1,036.30	1,036.30	1,036.31	1,036.30	1,036.28	1,036.28	1,036.29
23	1,036.32	1,036.32	1,036.34	1,036.33	1,036.31	1,036.30	1,036.30	1,036.31	1,036.29	1,036.28	1,036.28	1,036.29
24	1,036.32	1,036.32	1,036.34	1,036.33	1,036.31	1,036.30	1,036.30	1,036.31	1,036.29	1,036.28	1,036.28	1,036.29
25	1,036.32	1,036.32	1,036.34	1,036.33	1,036.31	1,036.30	1,036.30	1,036.31	1,036.29	1,036.28	1,036.28	1,036.29
26	1,036.32	1,036.32	1,036.34	1,036.33	1,036.31	1,036.30	1,036.30	1,036.31	1,036.29	1,036.28	1,036.28	1,036.29
27	1,036.32	1,036.32	1,036.33	1,036.33	1,036.30	1,036.30	1,036.30	1,036.31	1,036.29	1,036.28	1,036.28	1,036.29
28	1,036.32	1,036.33	1,036.33	1,036.33	1,036.30	1,036.30	1,036.30	1,036.31	1,036.29	1,036.28	1,036.28	1,036.29
29	1,036.32	1,036.33	1,036.33	1,036.33	1,036.30	1,036.30	1,036.30	1,036.31	1,036.29	1,036.28	1,036.28	1,036.29
30	1,036.32	1,036.33	1,036.33	1,036.33	1,036.30	1,036.30	1,036.31	1,036.31	---	1,036.28	1,036.28	1,036.29
31	---	1,036.33	1,036.33	---	1,036.30	---	1,036.31	1,036.31	---	1,036.28	---	1,036.30
Mean	1,036.32	1,036.32	1,036.34	1,036.33	---	1,036.30	1,036.30	1,036.31	1,036.30	1,036.29	1,036.28	1,036.29
Max	1,036.32	1,036.33	1,036.34	1,036.33	---	1,036.31	1,036.31	1,036.31	1,036.31	1,036.29	1,036.28	1,036.30
Min	1,036.32	1,036.32	1,036.33	1,036.33	---	1,036.30	1,036.30	1,036.31	1,036.29	1,036.28	1,036.28	1,036.28

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 32-7; USGS Site number 381535083342001; lat 38°15'35", long 83°34'20";
Altitude of top of sump, 1,060.74 feet above sea level--Continued

June 1988 through April 1989

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
1	1,036.30	1,036.27	1,036.27	1,036.28	1,036.28	1,036.27	1,036.27	1,036.27	1,036.27	1,036.33	1,036.29
2	1,036.30	1,036.27	1,036.27	1,036.29	1,036.28	1,036.27	1,036.27	1,036.27	1,036.27	1,036.33	1,036.29
3	1,036.29	1,036.27	1,036.28	1,036.29	1,036.28	1,036.27	1,036.27	1,036.27	1,036.30	1,036.33	1,036.29
4	1,036.29	1,036.27	1,036.28	1,036.28	1,036.28	1,036.27	1,036.27	1,036.27	1,036.30	1,036.32	1,036.29
5	1,036.29	1,036.27	1,036.28	1,036.28	1,036.28	1,036.27	1,036.27	1,036.27	1,036.30	1,036.32	1,036.29
6	1,036.28	1,036.27	1,036.28	1,036.28	1,036.28	1,036.27	1,036.27	1,036.27	1,036.30	1,036.33	1,036.29
7	1,036.28	1,036.27	1,036.28	1,036.28	1,036.28	1,036.27	1,036.27	1,036.27	1,036.30	1,036.33	1,036.29
8	1,036.28	1,036.27	1,036.28	1,036.28	1,036.28	1,036.27	1,036.27	1,036.57	1,036.30	1,036.33	1,036.28
9	1,036.27	1,036.27	1,036.28	1,036.28	1,036.28	1,036.27	1,036.27	1,036.27	1,036.30	1,036.33	1,036.28
10	1,036.27	1,036.27	1,036.28	1,036.28	1,036.28	1,036.27	1,036.27	1,036.27	1,036.29	1,036.32	1,036.28
11	1,036.27	1,036.27	1,036.28	1,036.28	1,036.28	1,036.27	1,036.27	1,036.27	1,036.29	1,036.32	1,036.28
12	1,036.27	1,036.26	1,036.28	1,036.28	1,036.28	1,036.27	1,036.27	1,036.27	1,036.29	1,036.32	1,036.28
13	1,036.27	1,036.26	1,036.28	1,036.28	1,036.28	1,036.27	1,036.27	1,036.27	1,036.29	1,036.32	---
14	1,036.27	1,036.26	1,036.28	1,036.28	1,036.28	1,036.27	1,036.27	1,036.27	1,036.33	1,036.32	---
15	1,036.27	1,036.26	1,036.28	1,036.28	1,036.28	1,036.27	1,036.27	1,036.27	1,036.39	1,036.31	---
16	1,036.27	1,036.26	1,036.28	1,036.28	1,036.27	1,036.27	1,036.27	1,036.27	1,036.40	1,036.31	---
17	1,036.27	1,036.26	1,036.28	1,036.28	1,036.27	1,036.27	1,036.27	1,036.27	1,036.35	1,036.31	---
18	1,036.27	1,036.26	1,036.28	1,036.28	1,036.27	1,036.27	1,036.27	1,036.27	1,036.35	1,036.30	---
19	1,036.27	1,036.27	1,036.28	1,036.28	1,036.27	1,036.27	1,036.27	1,036.27	1,036.35	1,036.30	---
20	1,036.27	1,036.27	1,036.28	1,036.28	1,036.27	1,036.27	1,036.27	1,036.27	1,036.34	1,036.30	---
21	1,036.27	1,036.27	1,036.28	1,036.28	1,036.27	1,036.27	1,036.26	1,036.27	1,036.34	1,036.30	---
22	1,036.27	1,036.27	1,036.28	1,036.28	1,036.27	1,036.27	1,036.26	1,036.27	1,036.34	1,036.30	---
23	1,036.27	1,036.27	1,036.28	1,036.28	1,036.27	1,036.27	1,036.26	1,036.27	1,036.34	1,036.30	---
24	1,036.27	1,036.27	1,036.28	1,036.28	1,036.27	1,036.27	1,036.26	1,036.27	1,036.34	1,036.30	---
25	1,036.27	1,036.27	1,036.28	1,036.28	1,036.27	1,036.27	1,036.26	1,036.27	1,036.34	1,036.29	---
26	1,036.27	1,036.27	1,036.28	1,036.28	1,036.27	1,036.27	1,036.26	1,036.27	1,036.34	1,036.29	---
27	1,036.27	1,036.27	1,036.28	1,036.28	1,036.27	1,036.27	1,036.27	1,036.27	1,036.33	1,036.29	---
28	1,036.27	1,036.27	1,036.28	1,036.28	1,036.27	1,036.27	1,036.27	1,036.27	1,036.33	1,036.29	---
29	1,036.27	1,036.27	1,036.28	1,036.28	1,036.27	1,036.27	1,036.27	1,036.27	---	1,036.29	---
30	1,036.27	1,036.27	1,036.28	1,036.28	1,036.27	1,036.27	1,036.27	1,036.27	---	1,036.29	---
31	---	1,036.27	1,036.28	---	1,036.27	---	1,036.27	1,036.27	---	1,036.29	---
Mean	1,036.27	1,036.27	1,036.28	1,036.28	1,036.27	1,036.27	1,036.27	1,036.28	1,036.32	1,036.31	---
Max	1,036.30	1,036.27	1,036.28	1,036.29	1,036.28	1,036.27	1,036.27	1,036.57	1,036.40	1,036.33	---
Min	1,036.27	1,036.26	1,036.27	1,036.28	1,036.27	1,036.27	1,036.26	1,036.27	1,036.27	1,036.29	---

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 35-2; USGS Site number 381536083342001; lat 38°15'36", long 83°34'20";
Altitude of top of sump, 1,059.38 feet above sea level

June 1986 through May 1987

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	---	---	---	---	---	---	---	---	---	---	1,037.05	1,037.03
2	---	---	---	---	---	---	---	---	---	---	1,037.05	1,037.03
3	---	---	---	---	---	---	---	---	---	---	1,037.05	1,037.03
4	---	---	---	---	---	---	---	---	---	---	1,037.05	1,037.03
5	---	---	---	---	---	---	---	---	---	1,037.07	1,037.05	1,037.03
6	---	---	---	---	---	---	---	---	---	1,037.07	1,037.05	1,037.03
7	---	---	---	---	---	---	---	---	---	1,037.07	1,037.05	1,037.03
8	---	---	---	---	---	---	---	---	---	1,037.07	1,037.05	1,037.03
9	---	---	---	---	---	---	---	---	---	1,037.07	1,037.05	1,037.03
10	---	---	---	---	---	---	---	---	---	1,037.07	1,037.05	1,037.03
11	---	---	---	---	---	---	---	---	---	1,037.07	1,037.05	1,037.03
12	---	---	---	---	---	---	---	---	---	1,037.07	1,037.05	1,037.03
13	---	---	---	---	---	---	---	---	---	1,037.07	1,037.05	1,037.03
14	---	---	---	---	---	---	---	---	---	1,037.07	1,037.05	---
15	---	---	---	---	---	---	---	---	---	1,037.07	1,037.05	---
16	---	---	---	---	---	---	---	---	---	1,037.07	1,037.05	---
17	---	---	---	---	---	---	---	---	---	1,037.07	1,037.05	---
18	---	---	---	---	---	---	---	---	---	1,037.06	1,037.05	---
19	---	---	---	---	---	---	---	---	---	1,037.06	1,037.04	---
20	---	---	---	---	---	---	---	---	---	1,037.06	1,037.04	---
21	---	---	---	---	---	---	---	---	---	1,037.06	1,037.04	---
22	---	---	---	---	---	---	---	---	---	1,037.06	1,037.04	---
23	---	---	---	---	---	---	---	---	---	1,037.06	1,037.04	---
24	---	---	---	---	---	---	---	---	---	1,037.06	1,037.03	---
25	---	---	---	---	---	---	---	---	---	1,037.06	1,037.03	---
26	---	---	---	---	---	---	---	---	---	1,037.05	1,037.03	---
27	---	---	---	---	---	---	---	---	---	1,037.05	1,037.03	---
28	---	---	---	---	---	---	---	---	---	1,037.05	1,037.03	---
29	---	---	---	---	---	---	---	---	---	1,037.05	1,037.03	1,037.10
30	---	---	---	---	---	---	---	---	---	1,037.05	1,037.03	1,037.10
31	---	---	---	---	---	---	---	---	---	1,037.05	---	1,037.10
Mean	---	---	---	---	---	---	---	---	---	---	1,037.04	---
Max	---	---	---	---	---	---	---	---	---	---	1,037.05	---
Min	---	---	---	---	---	---	---	---	---	---	1,037.03	---

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 35-2; USGS Site number 381536083342001; lat 38°15'36", long 83°34'20";
Altitude of top of sump, 1,059.38 feet above sea level--Continued

June 1987 through May 1988

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	1,037.10	1,037.11	1,037.11	1,037.11	1,037.10	1,037.12	1,037.10	1,037.05	1,037.05	1,037.02	1,036.98	1,036.96
2	1,037.10	1,037.11	1,037.11	1,037.10	1,037.10	1,037.12	1,037.10	1,037.05	1,037.05	1,037.02	1,036.98	1,036.96
3	1,037.10	1,037.11	1,037.11	1,037.10	1,037.10	1,037.12	1,037.10	1,037.05	1,037.05	1,037.02	1,036.98	1,036.96
4	1,037.10	1,037.11	1,037.11	1,037.10	1,037.10	1,037.12	1,037.10	1,037.05	1,037.05	1,037.02	1,036.98	1,036.96
5	1,037.10	1,037.11	1,037.11	1,037.10	1,037.10	1,037.12	1,037.10	1,037.05	1,037.05	1,037.02	1,036.98	1,036.96
6	1,037.10	1,037.11	1,037.11	1,037.10	1,037.10	1,037.12	1,037.10	1,037.05	1,037.05	1,037.02	1,036.98	1,036.96
7	1,037.10	1,037.11	1,037.11	1,037.10	1,037.10	1,037.12	1,037.10	1,037.05	1,037.05	1,037.02	1,036.98	1,036.95
8	1,037.10	1,037.11	1,037.11	1,037.10	1,037.10	1,037.12	1,037.10	1,037.05	1,037.05	1,037.02	1,036.98	1,036.95
9	1,037.10	1,037.11	1,037.11	1,037.10	1,037.10	1,037.12	1,037.10	1,037.05	1,037.05	1,037.02	1,036.97	1,036.95
10	1,037.10	1,037.11	1,037.11	1,037.10	1,037.10	1,037.12	1,037.10	1,037.05	1,037.05	1,037.01	1,036.97	1,036.95
11	1,037.10	1,037.11	1,037.11	1,037.10	1,037.10	1,037.12	1,037.10	1,037.05	1,037.05	1,037.01	1,036.97	1,036.95
12	1,037.10	1,037.11	1,037.11	1,037.10	1,037.10	1,037.12	1,037.09	1,037.05	1,037.05	1,037.01	1,036.97	1,036.94
13	1,037.10	1,037.11	1,037.11	1,037.10	1,037.10	1,037.12	1,037.09	1,037.05	1,037.05	1,037.01	1,036.97	1,036.94
14	1,037.10	1,037.11	1,037.11	1,037.10	1,037.10	1,037.12	1,037.09	1,037.05	1,037.05	1,037.01	1,036.97	1,036.94
15	1,037.10	1,037.11	1,037.11	1,037.10	1,037.10	1,037.12	1,037.08	1,037.05	1,037.05	1,037.01	1,036.97	1,036.94
16	1,037.10	1,037.11	1,037.11	1,037.10	1,037.10	1,037.11	1,037.08	1,037.05	1,037.05	1,037.01	1,036.97	1,036.94
17	1,037.10	1,037.11	1,037.11	1,037.10	1,037.10	1,037.11	1,037.08	1,037.05	1,037.05	1,037.00	1,036.97	1,036.94
18	1,037.10	1,037.11	1,037.11	1,037.10	1,037.10	1,037.11	1,037.07	1,037.05	1,037.04	1,037.00	1,036.97	1,036.94
19	1,037.10	1,037.11	1,037.11	1,037.10	1,037.10	1,037.11	1,037.07	1,037.05	1,037.04	1,037.00	1,036.97	1,036.94
20	1,037.10	1,037.11	1,037.11	1,037.10	1,037.10	1,037.11	1,037.07	1,037.05	1,037.04	1,037.00	1,036.97	1,036.94
21	1,037.10	1,037.11	1,037.11	1,037.10	1,037.10	1,037.11	1,037.06	1,037.05	1,037.04	1,037.00	1,036.97	1,036.94
22	1,037.10	1,037.11	1,037.11	1,037.10	1,037.10	1,037.11	1,037.06	1,037.06	1,037.03	1,037.00	1,036.97	1,036.94
23	1,037.10	1,037.11	1,037.11	1,037.10	1,037.09	1,037.10	1,037.06	1,037.06	1,037.03	1,037.00	1,036.96	1,036.94
24	1,037.11	1,037.11	1,037.11	1,037.11	1,037.09	1,037.10	1,037.06	1,037.06	1,037.03	1,036.99	1,036.96	1,036.94
25	1,037.11	1,037.11	1,037.11	1,037.11	1,037.09	1,037.10	1,037.06	1,037.06	1,037.03	1,036.99	1,036.96	1,036.94
26	1,037.11	1,037.11	1,037.11	1,037.11	1,037.09	1,037.10	1,037.06	1,037.06	1,037.03	1,036.99	1,036.96	1,036.93
27	1,037.11	1,037.11	1,037.11	1,037.11	1,037.12	1,037.10	1,037.06	1,037.06	1,037.03	1,036.99	1,036.96	1,036.93
28	1,037.11	1,037.10	1,037.11	1,037.11	1,037.12	1,037.10	1,037.06	1,037.06	1,037.03	1,036.98	1,036.96	1,036.93
29	1,037.11	1,037.11	1,037.11	1,037.11	1,037.12	1,037.10	1,037.06	1,037.06	1,037.03	1,036.98	1,036.96	1,036.93
30	1,037.11	1,037.11	1,037.11	1,037.10	1,037.12	1,037.10	1,037.06	1,037.05	---	1,036.98	1,036.96	1,036.93
31	---	1,037.11	1,037.11	---	1,037.12	---	1,037.05	1,037.05	---	1,036.98	---	1,036.93
Mean	1,037.10	1,037.11	1,037.11	1,037.10	1,037.10	1,037.11	1,037.08	1,037.05	1,037.04	1,037.00	1,036.97	1,036.94
Max	1,037.11	1,037.11	1,037.11	1,037.11	1,037.12	1,037.12	1,037.10	1,037.06	1,037.05	1,037.02	1,036.98	1,036.96
Min	1,037.10	1,037.10	1,037.11	1,037.10	1,037.09	1,037.10	1,037.05	1,037.05	1,037.03	1,036.98	1,036.96	1,036.93

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 35-2; USGS Site number 381536083342001; lat 38°15'36", long 83°34'20";
Altitude of top of sump, 1,059.38 feet above sea level--Continued

June 1988 through April 1989

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
1	1,036.93	1,036.93	1,036.94	1,036.97	1,036.99	1,037.00	1,036.94	1,036.92	1,036.90	1,036.86	---
2	1,036.93	1,036.93	1,036.94	1,036.97	1,036.99	1,037.01	1,036.94	1,036.92	1,036.90	1,036.86	---
3	1,036.93	1,036.93	1,036.95	1,036.97	1,036.99	1,037.01	1,036.94	1,036.92	1,036.90	1,036.86	---
4	1,036.93	1,036.93	1,036.95	1,036.97	1,037.00	1,037.01	1,036.94	1,036.92	1,036.90	1,036.86	---
5	1,036.93	1,036.93	1,036.95	1,036.97	1,037.00	1,037.01	1,036.94	1,036.92	1,036.90	1,036.86	---
6	1,036.93	1,036.93	1,036.95	1,036.97	1,037.00	1,037.01	1,036.94	1,036.92	1,036.90	1,036.86	---
7	1,036.93	1,036.93	1,036.95	1,036.97	1,037.00	1,037.01	1,036.94	1,036.92	1,036.90	1,036.86	---
8	1,036.93	1,036.93	1,036.95	1,036.97	1,037.00	1,037.01	1,036.94	1,036.92	1,036.90	1,036.85	---
9	1,036.93	1,036.93	1,036.95	1,036.97	1,037.00	1,037.01	1,036.94	1,036.92	1,036.89	1,036.85	---
10	1,036.93	1,036.93	1,036.95	1,036.97	1,037.00	1,037.01	1,036.94	1,036.92	1,036.89	1,036.85	---
11	1,036.93	1,036.93	1,036.95	1,036.97	1,037.00	1,037.01	1,036.94	1,036.92	1,036.89	1,036.85	---
12	1,036.93	1,036.93	1,036.95	1,036.98	1,037.00	1,037.01	1,036.94	1,036.92	1,036.89	1,036.84	---
13	1,036.93	1,036.93	1,036.95	1,036.98	1,037.00	1,037.01	1,036.94	1,036.92	1,036.89	1,036.84	---
14	1,036.93	1,036.93	1,036.95	1,036.98	1,037.00	1,037.00	1,036.94	1,036.92	1,036.89	1,036.84	---
15	1,036.93	1,036.93	1,036.95	1,036.98	1,037.00	1,037.00	1,036.94	1,036.92	1,036.89	1,036.84	---
16	1,036.93	1,036.93	1,036.95	1,036.98	1,037.00	1,037.00	1,036.94	1,036.92	1,036.88	---	---
17	1,036.93	1,036.93	1,036.95	1,036.99	1,037.00	1,037.00	1,036.94	1,036.92	1,036.88	---	---
18	1,036.93	1,036.93	1,036.95	1,036.99	1,037.00	1,037.00	1,036.94	1,036.92	1,036.88	---	---
19	1,036.93	1,036.93	1,036.95	1,036.99	1,037.00	1,037.00	1,036.94	1,036.91	1,036.88	---	---
20	1,036.93	1,036.93	1,036.95	1,036.99	1,037.00	1,037.00	1,036.94	1,036.91	1,036.88	---	---
21	1,036.93	1,036.93	1,036.95	1,036.99	1,037.00	1,036.99	1,036.94	1,036.91	1,036.88	---	---
22	1,036.93	1,036.93	1,036.95	1,036.99	1,037.00	1,036.99	1,036.94	1,036.90	1,036.88	---	---
23	1,036.93	1,036.93	1,036.95	1,036.99	1,037.00	1,036.99	1,036.94	1,036.90	1,036.88	---	---
24	1,036.93	1,036.93	1,036.95	1,036.99	1,037.00	1,036.99	1,036.94	1,036.90	1,036.87	---	---
25	1,036.93	1,036.93	1,036.95	1,036.99	1,037.00	1,036.99	1,036.94	1,036.90	1,036.87	---	---
26	1,036.93	1,036.93	1,036.96	1,036.99	1,037.00	1,036.99	1,036.94	1,036.90	1,036.87	---	---
27	1,036.93	1,036.93	1,036.96	1,036.99	1,037.00	1,036.99	1,036.94	1,036.90	1,036.87	---	---
28	1,036.93	1,036.93	1,036.96	1,036.99	1,037.00	1,036.99	1,036.93	1,036.90	1,036.86	---	---
29	1,036.93	1,036.93	1,036.96	1,036.99	1,037.00	1,036.99	1,036.93	1,036.90	---	---	---
30	1,036.93	1,036.94	1,036.96	1,036.99	1,037.00	1,036.99	1,036.93	1,036.90	---	---	---
31	---	1,036.94	1,036.96	---	1,037.00	---	1,036.93	1,036.90	---	---	---
Mean	1,036.93	1,036.93	1,036.95	1,036.98	1,037.00	1,037.00	1,036.94	1,036.91	1,036.89	---	---
Max	1,036.93	1,036.94	1,036.96	1,036.99	1,037.00	1,037.01	1,036.94	1,036.92	1,036.90	---	---
Min	1,036.93	1,036.93	1,036.94	1,036.97	1,036.99	1,036.99	1,036.93	1,036.90	1,036.86	---	---

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 35-3; USGS Site number 381536083341801; lat 38°15'36", long 83°34'18";
Altitude of top of sump, 1,060.84 feet above sea level

June 1985 through May 1986

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	1,035.10
15	---	---	---	---	---	---	---	---	---	---	---	1,035.10
16	---	---	---	---	---	---	---	---	---	---	---	1,035.10
17	---	---	---	---	---	---	---	---	---	---	---	1,035.10
18	---	---	---	---	---	---	---	---	---	---	---	1,035.10
19	---	---	---	---	---	---	---	---	---	---	---	1,035.11
20	---	---	---	---	---	---	---	---	---	---	---	1,035.11
21	---	---	---	---	---	---	---	---	---	---	---	1,035.11
22	---	---	---	---	---	---	---	---	---	---	---	1,035.11
23	---	---	---	---	---	---	---	---	---	---	---	1,035.11
24	---	---	---	---	---	---	---	---	---	---	---	1,035.11
25	---	---	---	---	---	---	---	---	---	---	---	1,035.11
26	---	---	---	---	---	---	---	---	---	---	---	1,035.11
27	---	---	---	---	---	---	---	---	---	---	---	1,035.11
28	---	---	---	---	---	---	---	---	---	---	---	1,035.11
29	---	---	---	---	---	---	---	---	---	---	---	1,035.11
30	---	---	---	---	---	---	---	---	---	---	---	1,035.12
31	---	---	---	---	---	---	---	---	---	---	---	1,035.12
Mean	---	---	---	---	---	---	---	---	---	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 35-3; USGS Site number 381536083341801; lat 38°15'36", long 83°34'18";
Altitude of top of sump, 1,060.84 feet above sea level--Continued

June 1986 through May 1987

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	1,035.12	1,035.16	1,035.21	1,035.26	1,035.33	1,035.38	1,035.45	1,035.49	1,035.55	1,035.53	1,035.54	1,035.54
2	1,035.12	1,035.17	1,035.22	1,035.26	1,035.33	1,035.38	1,035.45	1,035.49	1,035.55	1,035.53	1,035.54	1,035.54
3	1,035.12	1,035.17	1,035.22	1,035.26	1,035.33	1,035.38	1,035.44	1,035.49	1,035.55	1,035.53	1,035.54	1,035.54
4	1,035.13	1,035.17	1,035.22	1,035.27	1,035.33	1,035.39	1,035.44	1,035.49	1,035.56	1,035.53	1,035.54	1,035.54
5	1,035.13	1,035.17	1,035.22	1,035.27	1,035.33	1,035.39	1,035.44	1,035.49	1,035.56	1,035.53	1,035.54	1,035.54
6	1,035.13	1,035.17	1,035.22	1,035.28	1,035.33	1,035.39	1,035.44	1,035.49	1,035.50	1,035.53	1,035.54	1,035.54
7	1,035.13	1,035.17	1,035.22	1,035.28	1,035.33	1,035.40	1,035.44	1,035.49	1,035.50	1,035.52	1,035.54	1,035.54
8	1,035.14	1,035.18	1,035.22	1,035.28	1,035.33	1,035.40	1,035.45	1,035.50	1,035.50	1,035.53	1,035.54	1,035.54
9	1,035.14	1,035.18	1,035.22	1,035.29	1,035.33	1,035.40	1,035.45	1,035.50	1,035.50	1,035.53	1,035.54	1,035.54
10	1,035.14	1,035.18	1,035.22	1,035.29	1,035.33	1,035.40	1,035.45	1,035.50	1,035.50	1,035.53	1,035.54	1,035.54
11	1,035.14	1,035.19	1,035.23	1,035.29	1,035.33	1,035.40	1,035.45	1,035.50	1,035.51	1,035.53	1,035.54	1,035.54
12	1,035.14	1,035.19	1,035.23	1,035.30	1,035.33	1,035.40	1,035.45	1,035.50	1,035.51	1,035.53	1,035.54	1,035.54
13	1,035.14	1,035.19	1,035.23	1,035.30	1,035.34	1,035.40	1,035.45	1,035.51	1,035.51	1,035.53	1,035.54	1,035.54
14	1,035.14	1,035.19	1,035.23	1,035.30	1,035.34	1,035.41	1,035.45	1,035.51	1,035.51	1,035.53	1,035.54	1,035.54
15	1,035.14	1,035.19	1,035.23	1,035.30	1,035.34	1,035.41	1,035.45	1,035.51	1,035.51	1,035.53	1,035.55	1,035.54
16	1,035.14	1,035.19	1,035.23	1,035.30	1,035.34	1,035.41	1,035.46	1,035.51	1,035.51	1,035.53	1,035.55	1,035.54
17	1,035.14	1,035.19	1,035.23	1,035.30	1,035.34	1,035.41	1,035.46	1,035.52	1,035.52	1,035.53	1,035.55	1,035.54
18	1,035.14	1,035.19	1,035.23	1,035.30	1,035.34	1,035.41	1,035.46	1,035.52	1,035.52	1,035.53	1,035.55	1,035.54
19	1,035.14	1,035.19	1,035.23	1,035.31	1,035.34	1,035.41	1,035.46	1,035.52	1,035.52	1,035.53	1,035.55	1,035.54
20	1,035.14	1,035.19	1,035.24	1,035.31	1,035.34	1,035.41	1,035.46	1,035.53	1,035.52	1,035.53	1,035.55	1,035.54
21	1,035.14	1,035.19	1,035.24	1,035.31	1,035.35	1,035.42	1,035.46	1,035.53	1,035.52	1,035.53	1,035.55	1,035.54
22	1,035.14	1,035.20	1,035.24	1,035.31	1,035.35	1,035.43	1,035.46	1,035.53	1,035.52	1,035.54	1,035.55	1,035.54
23	1,035.15	1,035.20	1,035.24	1,035.32	1,035.35	1,035.43	1,035.46	1,035.53	1,035.52	1,035.54	1,035.54	1,035.54
24	1,035.16	1,035.20	1,035.24	1,035.32	1,035.35	1,035.43	1,035.47	1,035.54	1,035.52	1,035.54	1,035.54	1,035.54
25	1,035.16	1,035.20	1,035.24	1,035.32	1,035.36	1,035.44	1,035.47	1,035.54	1,035.52	1,035.54	1,035.54	1,035.54
26	1,035.16	1,035.20	1,035.25	1,035.32	---	1,035.44	1,035.47	1,035.54	1,035.52	1,035.54	1,035.54	1,035.54
27	1,035.16	1,035.20	1,035.25	1,035.33	1,035.36	1,035.44	1,035.47	1,035.54	1,035.53	1,035.54	1,035.54	1,035.54
28	1,035.16	1,035.20	1,035.25	1,035.33	1,035.36	1,035.44	1,035.47	1,035.54	1,035.53	1,035.54	1,035.54	1,035.54
29	1,035.16	1,035.20	1,035.25	1,035.33	1,035.36	1,035.45	1,035.47	1,035.54	---	1,035.54	1,035.54	1,035.54
30	1,035.16	1,035.20	1,035.25	1,035.33	1,035.36	1,035.45	1,035.48	1,035.55	---	1,035.54	1,035.54	1,035.54
31	---	1,035.20	1,035.25	---	1,035.37	---	1,035.48	1,035.55	---	1,035.54	---	1,035.54
Mean	1,035.14	1,035.19	1,035.23	1,035.30	---	1,035.41	1,035.46	1,035.52	1,035.52	1,035.53	1,035.54	1,035.54
Max	1,035.16	1,035.20	1,035.25	1,035.33	---	1,035.45	1,035.48	1,035.55	1,035.56	1,035.54	1,035.55	1,035.54
Min	1,035.12	1,035.16	1,035.21	1,035.26	---	1,035.38	1,035.44	1,035.49	1,035.50	1,035.52	1,035.54	1,035.54

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 35-3; USGS Site number 381536083341801; lat 38°15'36", long 83°34'18";
Altitude of top of sump, 1,060.84 feet above sea level--Continued

June 1987 through May 1988

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	1,035.54	---	1,035.60	1,035.62	1,035.64	1,035.68	1,035.71	1,035.74	1,035.76	1,035.79	1,035.79	---
2	1,035.54	---	1,035.60	1,035.62	1,035.64	1,035.68	1,035.71	1,035.74	1,035.76	1,035.79	1,035.79	---
3	1,035.54	---	1,035.60	1,035.62	1,035.64	1,035.69	1,035.71	1,035.74	1,035.76	1,035.79	1,035.79	---
4	1,035.54	---	1,035.60	1,035.62	1,035.64	1,035.69	1,035.71	1,035.74	1,035.76	1,035.79	1,035.79	---
5	1,035.54	---	1,035.60	1,035.62	1,035.64	1,035.69	1,035.71	1,035.74	1,035.76	1,035.78	1,035.79	---
6	1,035.54	---	1,035.60	1,035.62	1,035.64	1,035.69	1,035.71	1,035.74	1,035.76	---	1,035.80	---
7	1,035.54	---	1,035.62	1,035.63	1,035.64	1,035.69	1,035.71	1,035.74	1,035.76	---	1,035.80	---
8	1,035.54	---	1,035.62	1,035.63	1,035.64	1,035.69	1,035.71	1,035.74	1,035.76	---	1,035.80	---
9	1,035.54	---	1,035.62	1,035.63	1,035.64	1,035.69	1,035.71	1,035.75	1,035.76	---	1,035.80	---
10	1,035.54	---	1,035.62	1,035.63	1,035.64	1,035.69	1,035.71	1,035.75	1,035.76	---	1,035.80	---
11	1,035.54	---	1,035.63	1,035.64	1,035.65	1,035.69	1,035.71	1,035.75	1,035.77	---	1,035.80	---
12	1,035.54	---	1,035.63	1,035.64	1,035.65	1,035.69	1,035.72	1,035.75	1,035.77	---	1,035.80	1,035.80
13	1,035.54	---	1,035.63	1,035.63	1,035.65	1,035.69	1,035.72	1,035.75	1,035.77	---	1,035.80	1,035.80
14	---	---	1,035.63	---	1,035.65	1,035.69	1,035.72	1,035.75	1,035.77	---	1,035.80	1,035.80
15	---	---	1,035.63	---	1,035.65	1,035.69	1,035.72	1,035.75	1,035.77	---	---	1,035.81
16	---	---	1,035.63	---	1,035.65	1,035.70	1,035.72	1,035.75	1,035.77	---	---	1,035.81
17	---	---	1,035.63	---	1,035.65	1,035.70	1,035.72	1,035.75	1,035.78	1,035.78	---	1,035.81
18	---	---	1,035.63	---	1,035.65	1,035.70	1,035.72	1,035.76	1,035.78	1,035.78	---	1,035.81
19	---	---	---	---	1,035.64	1,035.70	1,035.72	1,035.76	1,035.78	1,035.79	---	1,035.81
20	---	---	---	---	1,035.64	1,035.70	1,035.72	1,035.76	1,035.78	1,035.79	---	1,035.81
21	---	---	---	---	1,035.64	1,035.70	1,035.73	1,035.76	1,035.78	1,035.79	---	1,035.81
22	---	---	---	---	---	1,035.70	1,035.73	1,035.76	1,035.78	1,035.79	---	1,035.81
23	1,035.54	---	---	---	---	1,035.70	1,035.73	1,035.76	1,035.78	1,035.79	---	1,035.81
24	1,035.54	---	---	---	---	1,035.71	1,035.73	1,035.76	1,035.78	1,035.79	---	1,035.81
25	1,035.54	---	---	---	---	1,035.70	1,035.73	1,035.76	1,035.78	1,035.79	---	1,035.81
26	---	---	---	---	---	1,035.70	1,035.73	1,035.76	1,035.78	1,035.79	---	1,035.81
27	---	---	---	---	1,035.68	1,035.70	1,035.74	1,035.76	1,035.78	1,035.79	---	1,035.81
28	---	1,035.59	---	---	1,035.68	1,035.70	1,035.74	1,035.76	1,035.78	1,035.79	---	1,035.81
29	---	1,035.59	---	---	1,035.68	1,035.70	1,035.74	1,035.76	1,035.78	1,035.79	---	1,035.81
30	---	1,035.60	---	---	1,035.68	1,035.70	1,035.74	1,035.76	---	1,035.79	---	1,035.81
31	---	1,035.60	---	---	1,035.68	---	1,035.74	1,035.76	---	1,035.79	---	1,035.81
Mean	---	---	---	---	---	1,035.69	1,035.72	1,035.75	1,035.77	---	---	---
Max	---	---	---	---	---	1,035.71	1,035.74	1,035.76	1,035.78	---	---	---
Min	---	---	---	---	---	1,035.68	1,035.71	1,035.74	1,035.76	---	---	---

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 35-3; USGS Site number 381536083341801; lat 38°15'36", long 83°34'18";
Altitude of top of sump, 1,060.84 feet above sea level--Continued

June 1988 through April 1989

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
1	1,035.81	1,035.79	1,035.80	1,035.80	1,035.81	1,035.85	1,035.85	1,035.89	1,035.80	1,035.80	1,035.80
2	1,035.81	1,035.79	1,035.80	1,035.81	1,035.81	1,035.85	1,035.86	1,035.89	1,035.80	1,035.80	1,035.80
3	1,035.81	1,035.79	1,035.80	1,035.81	1,035.81	1,035.85	1,035.86	1,035.89	1,035.80	1,035.80	1,035.80
4	1,035.81	1,035.79	1,035.80	1,035.81	1,035.81	1,035.85	1,035.86	1,035.89	1,035.80	1,035.80	1,035.80
5	1,035.81	1,035.79	1,035.80	1,035.81	1,035.84	1,035.85	1,035.86	1,035.83	1,035.80	1,035.80	1,035.80
6	1,035.81	1,035.79	1,035.80	1,035.81	1,035.84	1,035.85	1,035.86	1,035.83	1,035.80	1,035.80	1,035.80
7	1,035.81	1,035.79	1,035.80	1,035.81	1,035.84	1,035.85	1,035.86	1,035.83	1,035.80	1,035.80	1,035.80
8	1,035.81	1,035.79	1,035.80	1,035.81	1,035.84	1,035.85	1,035.86	1,035.83	1,035.80	1,035.80	1,035.80
9	1,035.79	1,035.79	1,035.80	1,035.81	1,035.84	1,035.85	1,035.86	1,035.83	1,035.80	1,035.80	1,035.80
10	1,035.79	1,035.79	1,035.80	1,035.81	1,035.84	1,035.85	1,035.86	1,035.83	1,035.80	1,035.80	1,035.80
11	1,035.79	1,035.79	1,035.80	1,035.81	1,035.84	1,035.85	1,035.86	1,035.83	1,035.80	1,035.80	1,035.80
12	1,035.79	1,035.79	1,035.80	1,035.81	1,035.84	1,035.85	1,035.86	1,035.83	1,035.80	1,035.80	1,035.80
13	1,035.79	1,035.79	1,035.80	1,035.81	1,035.84	1,035.85	1,035.87	1,035.83	1,035.80	1,035.80	---
14	1,035.79	1,035.79	1,035.80	1,035.81	1,035.84	1,035.85	1,035.87	1,035.83	1,035.80	1,035.80	---
15	1,035.79	1,035.79	1,035.80	1,035.81	1,035.84	1,035.85	1,035.88	1,035.84	1,035.80	1,035.80	---
16	1,035.79	1,035.79	1,035.80	1,035.81	1,035.84	1,035.85	1,035.88	1,035.84	1,035.80	1,035.80	---
17	1,035.79	1,035.79	1,035.80	1,035.81	1,035.84	1,035.85	1,035.88	1,035.84	1,035.80	1,035.80	---
18	1,035.79	1,035.79	1,035.80	1,035.81	1,035.84	1,035.85	1,035.88	1,035.84	1,035.80	1,035.80	---
19	1,035.79	1,035.79	1,035.80	1,035.81	1,035.84	1,035.85	1,035.88	1,035.80	1,035.80	1,035.80	---
20	1,035.79	1,035.79	1,035.80	1,035.81	1,035.84	1,035.85	1,035.88	1,035.80	1,035.80	1,035.80	---
21	1,035.79	1,035.79	1,035.80	1,035.81	1,035.84	1,035.85	1,035.88	1,035.80	1,035.80	1,035.80	---
22	1,035.79	1,035.79	1,035.80	1,035.81	1,035.84	1,035.85	1,035.88	1,035.80	1,035.80	1,035.80	---
23	1,035.79	1,035.79	1,035.80	1,035.81	1,035.84	1,035.85	1,035.88	1,035.80	1,035.80	1,035.80	---
24	1,035.79	1,035.79	1,035.80	1,035.81	1,035.84	1,035.85	1,035.88	1,035.80	1,035.80	1,035.80	---
25	1,035.79	1,035.79	1,035.80	1,035.81	1,035.84	1,035.85	1,035.88	1,035.80	1,035.80	1,035.80	---
26	1,035.79	1,035.79	1,035.80	1,035.81	1,035.84	1,035.85	1,035.88	1,035.80	1,035.80	1,035.80	---
27	1,035.79	1,035.79	1,035.80	1,035.81	1,035.84	1,035.85	1,035.89	1,035.80	1,035.80	1,035.80	---
28	1,035.79	1,035.79	1,035.80	1,035.81	1,035.84	1,035.85	1,035.89	1,035.80	1,035.80	1,035.80	---
29	1,035.79	1,035.79	1,035.80	1,035.81	1,035.84	1,035.85	1,035.89	1,035.80	---	1,035.80	---
30	1,035.79	1,035.80	1,035.80	1,035.81	1,035.84	1,035.85	1,035.89	1,035.80	---	1,035.80	---
31	---	1,035.80	1,035.80	---	1,035.84	---	1,035.89	1,035.80	---	1,035.80	---
Mean	1,035.80	1,035.79	1,035.80	1,035.81	1,035.84	1,035.85	1,035.87	1,035.83	1,035.80	1,035.80	---
Max	1,035.81	1,035.80	1,035.80	1,035.81	1,035.84	1,035.85	1,035.89	1,035.89	1,035.80	1,035.80	---
Min	1,035.79	1,035.79	1,035.80	1,035.80	1,035.81	1,035.85	1,035.85	1,035.80	1,035.80	1,035.80	---

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 35-4; USGS Site number 381535083341801; lat 38°15'35", long 83°34'18";
Altitude of top of sump, 1,058.24 feet above sea level

June 1986 through May 1987

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	---	---	---	---	---	---	---	---	---	---	1,036.55	1,036.55
2	---	---	---	---	---	---	---	---	---	---	1,036.55	1,036.55
3	---	---	---	---	---	---	---	---	---	---	1,036.55	1,036.55
4	---	---	---	---	---	---	---	---	---	---	1,036.55	1,036.55
5	---	---	---	---	---	---	---	---	---	---	1,036.55	1,036.55
6	---	---	---	---	---	---	---	---	---	1,036.54	1,036.55	1,036.55
7	---	---	---	---	---	---	---	---	---	1,036.54	1,036.55	1,036.55
8	---	---	---	---	---	---	---	---	---	1,036.54	1,036.55	1,036.55
9	---	---	---	---	---	---	---	---	---	1,036.54	1,036.55	1,036.55
10	---	---	---	---	---	---	---	---	---	1,036.54	1,036.55	1,036.55
11	---	---	---	---	---	---	---	---	---	1,036.54	1,036.55	1,036.55
12	---	---	---	---	---	---	---	---	---	1,036.54	1,036.55	1,036.55
13	---	---	---	---	---	---	---	---	---	1,036.54	1,036.55	1,036.55
14	---	---	---	---	---	---	---	---	---	1,036.54	1,036.55	1,036.55
15	---	---	---	---	---	---	---	---	---	1,036.54	1,036.55	---
16	---	---	---	---	---	---	---	---	---	1,036.54	1,036.55	---
17	---	---	---	---	---	---	---	---	---	1,036.54	1,036.55	---
18	---	---	---	---	---	---	---	---	---	1,036.54	1,036.55	---
19	---	---	---	---	---	---	---	---	---	1,036.54	1,036.55	---
20	---	---	---	---	---	---	---	---	---	1,036.54	1,036.55	---
21	---	---	---	---	---	---	---	---	---	1,036.54	1,036.55	---
22	---	---	---	---	---	---	---	---	---	1,036.54	1,036.55	---
23	---	---	---	---	---	---	---	---	---	1,036.54	1,036.55	---
24	---	---	---	---	---	---	---	---	---	1,036.54	1,036.55	---
25	---	---	---	---	---	---	---	---	---	1,036.54	1,036.55	---
26	---	---	---	---	---	---	---	---	---	1,036.54	1,036.55	---
27	---	---	---	---	---	---	---	---	---	1,036.55	1,036.55	---
28	---	---	---	---	---	---	---	---	---	1,036.55	1,036.55	1,036.50
29	---	---	---	---	---	---	---	---	---	1,036.55	1,036.55	1,036.50
30	---	---	---	---	---	---	---	---	---	1,036.55	1,036.55	1,036.50
31	---	---	---	---	---	---	---	---	---	1,036.55	---	1,036.50
Mean	---	---	---	---	---	---	---	---	---	---	1,036.55	---
Max	---	---	---	---	---	---	---	---	---	---	1,036.55	---
Min	---	---	---	---	---	---	---	---	---	---	1,036.55	---

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 35-4; USGS Site number 381535083341801; lat 38°15'35", long 83°34'18";
Altitude of top of sump, 1,058.24 feet above sea level--Continued

June 1987 through May 1988

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	1,036.50	1,036.50	1,036.48	1,036.49	1,036.50	1,036.52	1,036.52	1,036.52	1,036.54	1,036.51	1,036.49	1,036.49
2	1,036.50	1,036.50	1,036.48	1,036.49	1,036.50	1,036.52	1,036.52	1,036.52	1,036.54	1,036.50	1,036.49	1,036.49
3	1,036.50	1,036.50	1,036.48	1,036.49	1,036.50	1,036.52	1,036.52	1,036.52	1,036.54	1,036.50	1,036.49	1,036.49
4	1,036.50	1,036.50	1,036.48	1,036.49	1,036.50	1,036.52	1,036.53	1,036.52	1,036.54	1,036.50	1,036.49	1,036.49
5	1,036.50	1,036.50	1,036.48	1,036.49	1,036.50	1,036.52	1,036.53	1,036.52	1,036.54	1,036.50	1,036.49	1,036.49
6	1,036.50	1,036.50	1,036.48	1,036.49	1,036.50	1,036.52	1,036.53	1,036.52	---	1,036.50	1,036.49	1,036.49
7	1,036.50	1,036.50	1,036.48	1,036.49	1,036.50	1,036.52	1,036.53	1,036.52	---	1,036.50	1,036.49	1,036.49
8	1,036.50	1,036.50	1,036.48	1,036.49	1,036.50	1,036.52	1,036.53	1,036.52	---	1,036.50	1,036.49	1,036.49
9	1,036.50	1,036.50	1,036.48	1,036.49	---	1,036.52	1,036.53	1,036.52	---	1,036.50	1,036.49	1,036.49
10	1,036.50	1,036.50	1,036.48	1,036.49	---	1,036.52	1,036.53	1,036.52	---	1,036.50	1,036.49	1,036.49
11	1,036.50	1,036.49	1,036.48	1,036.49	---	1,036.52	1,036.53	1,036.52	---	1,036.50	1,036.49	1,036.49
12	1,036.50	1,036.49	1,036.48	1,036.49	1,036.53	1,036.52	1,036.53	1,036.52	---	1,036.50	1,036.49	1,036.48
13	1,036.50	1,036.49	1,036.48	1,036.49	1,036.53	1,036.52	1,036.53	1,036.52	---	1,036.50	1,036.49	1,036.48
14	1,036.50	1,036.49	1,036.48	1,036.49	1,036.53	1,036.52	1,036.53	1,036.52	---	1,036.50	1,036.49	1,036.48
15	1,036.50	1,036.49	1,036.48	1,036.49	1,036.53	1,036.52	1,036.53	1,036.52	---	1,036.50	1,036.49	1,036.48
16	1,036.50	1,036.49	1,036.48	1,036.49	1,036.53	1,036.52	1,036.53	1,036.52	---	1,036.50	1,036.49	1,036.48
17	1,036.50	1,036.49	1,036.48	1,036.49	1,036.53	1,036.52	1,036.53	1,036.52	---	1,036.49	1,036.49	1,036.48
18	1,036.50	1,036.49	1,036.48	1,036.49	1,036.53	1,036.52	1,036.53	1,036.52	---	1,036.49	1,036.49	1,036.48
19	1,036.50	1,036.49	1,036.48	1,036.49	1,036.53	1,036.52	1,036.52	1,036.52	---	1,036.49	1,036.49	1,036.48
20	1,036.50	1,036.49	1,036.48	1,036.49	1,036.53	1,036.52	1,036.52	1,036.52	---	1,036.49	1,036.49	1,036.48
21	1,036.50	1,036.49	1,036.48	1,036.49	1,036.53	1,036.52	1,036.52	1,036.52	---	1,036.49	1,036.49	1,036.48
22	1,036.50	1,036.49	1,036.48	1,036.49	1,036.52	1,036.52	1,036.52	1,036.53	---	1,036.49	1,036.49	1,036.48
23	1,036.50	1,036.49	1,036.48	1,036.49	1,036.52	1,036.52	1,036.52	1,036.54	1,036.51	1,036.49	1,036.49	1,036.48
24	1,036.50	1,036.49	1,036.48	1,036.49	1,036.52	1,036.52	1,036.52	1,036.54	1,036.51	1,036.49	1,036.49	1,036.48
25	1,036.50	1,036.49	1,036.48	1,036.49	1,036.52	1,036.52	1,036.52	1,036.54	1,036.51	1,036.49	1,036.49	1,036.48
26	1,036.50	1,036.49	1,036.48	1,036.49	1,036.52	1,036.52	1,036.52	1,036.54	1,036.51	1,036.49	1,036.49	1,036.48
27	1,036.50	1,036.48	1,036.48	1,036.49	1,036.52	1,036.52	1,036.52	1,036.54	1,036.51	1,036.49	1,036.49	1,036.48
28	1,036.50	1,036.48	1,036.48	1,036.49	1,036.52	1,036.52	1,036.52	1,036.54	1,036.51	1,036.49	1,036.49	1,036.48
29	1,036.50	1,036.48	1,036.48	1,036.49	1,036.52	1,036.52	1,036.52	1,036.54	1,036.51	1,036.49	1,036.49	1,036.48
30	1,036.50	1,036.48	1,036.48	1,036.49	1,036.52	1,036.52	1,036.52	1,036.54	---	1,036.49	1,036.49	1,036.48
31	---	1,036.48	1,036.48	---	1,036.52	---	1,036.52	1,036.54	---	1,036.49	---	1,036.47
Mean	1,036.50	1,036.49	1,036.48	1,036.49	---	1,036.52	1,036.52	1,036.53	---	1,036.50	1,036.49	1,036.48
Max	1,036.50	1,036.50	1,036.48	1,036.49	---	1,036.52	1,036.53	1,036.54	---	1,036.51	1,036.49	1,036.49
Min	1,036.50	1,036.48	1,036.48	1,036.49	---	1,036.52	1,036.52	1,036.52	---	1,036.49	1,036.49	1,036.47

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 35-4; USGS Site number 381535083341801; lat 38°15'35", long 83°34'18";
Altitude of top of sump, 1,058.24 feet above sea level--Continued

June 1988 through April 1989

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
1	1,036.47	1,036.47	1,036.47	1,036.46	1,036.45	1,036.45	1,036.46	1,036.46	1,036.46	1,036.45	1,036.44
2	1,036.47	1,036.47	1,036.47	1,036.46	1,036.45	1,036.45	1,036.46	1,036.46	1,036.46	1,036.45	1,036.44
3	1,036.47	1,036.47	1,036.46	1,036.46	1,036.45	1,036.46	1,036.46	---	1,036.46	1,036.45	1,036.44
4	1,036.47	1,036.47	1,036.46	1,036.46	1,036.45	1,036.46	1,036.46	---	1,036.46	1,036.45	1,036.44
5	1,036.47	1,036.47	1,036.46	1,036.46	1,036.45	1,036.46	1,036.46	1,036.46	1,036.46	1,036.45	1,036.44
6	1,036.47	1,036.47	1,036.46	1,036.46	1,036.45	1,036.46	1,036.46	1,036.46	1,036.46	1,036.45	1,036.43
7	1,036.47	1,036.47	1,036.46	1,036.46	1,036.45	1,036.46	1,036.46	1,036.46	1,036.46	1,036.45	1,036.43
8	1,036.47	1,036.47	1,036.46	1,036.46	1,036.45	1,036.46	1,036.46	1,036.46	1,036.46	1,036.45	1,036.43
9	1,036.47	1,036.47	1,036.46	1,036.46	1,036.45	1,036.46	1,036.46	1,036.46	1,036.46	1,036.45	1,036.43
10	1,036.47	1,036.47	1,036.47	1,036.46	1,036.45	1,036.46	1,036.46	1,036.46	1,036.46	1,036.45	1,036.43
11	1,036.47	1,036.47	1,036.47	1,036.46	1,036.45	1,036.46	1,036.46	1,036.46	1,036.46	1,036.45	1,036.43
12	1,036.47	1,036.47	1,036.47	1,036.46	1,036.45	1,036.46	1,036.46	1,036.46	1,036.46	1,036.45	1,036.43
13	1,036.47	1,036.47	1,036.47	1,036.45	1,036.45	1,036.46	1,036.46	1,036.46	1,036.46	1,036.45	---
14	1,036.47	1,036.47	1,036.47	1,036.45	1,036.45	1,036.46	1,036.46	1,036.46	1,036.46	1,036.45	---
15	1,036.47	1,036.47	1,036.47	1,036.45	1,036.45	1,036.46	1,036.46	1,036.46	1,036.46	1,036.44	---
16	1,036.47	1,036.47	1,036.47	1,036.45	1,036.45	1,036.46	1,036.46	1,036.46	1,036.45	1,036.44	---
17	1,036.47	1,036.47	1,036.47	1,036.45	1,036.45	1,036.46	1,036.46	1,036.46	1,036.45	1,036.44	---
18	1,036.47	1,036.47	1,036.47	1,036.45	1,036.45	1,036.46	1,036.46	1,036.46	1,036.45	1,036.44	---
19	1,036.47	1,036.47	1,036.47	1,036.45	1,036.45	1,036.46	1,036.46	1,036.46	1,036.45	1,036.44	---
20	1,036.47	1,036.47	1,036.47	1,036.45	1,036.45	1,036.46	1,036.46	1,036.46	1,036.45	1,036.44	---
21	1,036.47	1,036.47	1,036.47	1,036.45	1,036.45	1,036.46	1,036.46	1,036.46	1,036.45	1,036.44	---
22	1,036.47	1,036.47	1,036.47	1,036.45	1,036.45	1,036.46	1,036.46	1,036.46	1,036.45	1,036.44	---
23	1,036.47	1,036.47	1,036.47	1,036.45	1,036.45	1,036.46	1,036.46	1,036.46	1,036.45	1,036.44	---
24	1,036.47	1,036.47	1,036.47	1,036.45	1,036.45	1,036.46	1,036.46	1,036.46	1,036.45	1,036.44	---
25	1,036.47	1,036.47	1,036.46	1,036.45	1,036.45	1,036.46	1,036.46	1,036.46	1,036.45	1,036.44	---
26	1,036.47	1,036.47	1,036.46	1,036.45	1,036.45	1,036.46	1,036.46	1,036.46	1,036.45	1,036.44	---
27	1,036.47	1,036.47	1,036.46	1,036.45	1,036.45	1,036.46	1,036.46	1,036.46	1,036.45	1,036.44	---
28	1,036.47	1,036.47	1,036.46	1,036.45	1,036.45	1,036.46	1,036.46	1,036.46	1,036.45	1,036.44	---
29	1,036.47	1,036.47	1,036.47	1,036.45	1,036.45	1,036.46	1,036.46	1,036.46	---	1,036.44	---
30	1,036.47	1,036.47	1,036.46	1,036.45	1,036.45	1,036.46	1,036.46	1,036.46	---	1,036.44	---
31	---	1,036.47	1,036.46	---	1,036.45	---	1,036.46	1,036.46	---	1,036.44	---
Mean	1,036.47	1,036.47	1,036.47	1,036.45	1,036.45	1,036.46	1,036.46	---	1,036.46	1,036.44	---
Max	1,036.47	1,036.47	1,036.47	1,036.46	1,036.45	1,036.46	1,036.46	---	1,036.46	1,036.45	---
Min	1,036.47	1,036.47	1,036.46	1,036.45	1,036.45	1,036.45	1,036.46	---	1,036.45	1,036.44	---

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 35-6; USGS Site number 381536083341802; lat 38°15'36", long 83°34'18";
Altitude of top of sump, 1,059.91 feet above sea level

June 1986 through May 1987

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	---	---	---	---	---	---	1,035.44	1,035.45	1,035.50	---	1,035.51	1,035.51
2	---	---	---	---	---	---	1,035.44	1,035.45	1,035.50	---	1,035.51	1,035.51
3	---	---	---	---	---	---	1,035.45	1,035.45	1,035.50	---	1,035.51	1,035.51
4	---	---	---	---	---	---	1,035.45	1,035.45	1,035.50	1,035.50	1,035.51	1,035.51
5	---	---	---	---	---	---	1,035.45	1,035.45	1,035.50	1,035.50	1,035.51	1,035.51
6	---	---	---	---	---	---	1,035.45	1,035.48	1,035.50	1,035.50	1,035.51	1,035.52
7	---	---	---	---	---	---	1,035.45	1,035.48	1,035.50	1,035.50	1,035.51	1,035.52
8	---	---	---	---	---	---	1,035.45	1,035.48	1,035.50	1,035.50	1,035.51	1,035.52
9	---	---	---	---	---	---	1,035.45	1,035.48	1,035.51	1,035.50	1,035.51	1,035.52
10	---	---	---	---	---	---	1,035.45	1,035.49	1,035.51	1,035.50	1,035.51	1,035.52
11	---	---	---	---	---	---	1,035.45	1,035.49	1,035.51	1,035.50	1,035.51	1,035.52
12	---	---	---	---	---	---	1,035.45	1,035.49	1,035.51	1,035.50	1,035.51	1,035.52
13	---	---	---	---	---	---	1,035.45	1,035.49	1,035.51	1,035.50	1,035.51	1,035.52
14	---	---	---	---	---	1,035.41	1,035.45	1,035.49	1,035.51	1,035.50	1,035.51	1,035.52
15	---	---	---	---	---	1,035.41	1,035.45	1,035.49	1,035.51	1,035.50	1,035.51	---
16	---	---	---	---	---	1,035.41	1,035.45	1,035.49	1,035.51	1,035.50	1,035.51	---
17	---	---	---	---	---	1,035.41	1,035.45	1,035.49	1,035.51	1,035.50	1,035.51	---
18	---	---	---	---	---	1,035.42	1,035.45	1,035.49	---	1,035.50	1,035.51	---
19	---	---	---	---	---	1,035.43	1,035.45	1,035.49	---	1,035.50	1,035.51	---
20	---	---	---	---	---	1,035.43	1,035.45	1,035.49	---	1,035.50	1,035.51	---
21	---	---	---	---	---	1,035.43	1,035.45	1,035.49	---	1,035.50	1,035.51	---
22	---	---	---	---	---	1,035.43	1,035.45	1,035.49	---	1,035.50	1,035.51	---
23	---	---	---	---	---	1,035.43	1,035.45	1,035.49	---	1,035.50	1,035.51	---
24	---	---	---	---	---	1,035.43	1,035.45	1,035.49	---	1,035.50	1,035.51	---
25	---	---	---	---	---	1,035.43	1,035.45	1,035.49	---	1,035.50	1,035.51	---
26	---	---	---	---	---	1,035.44	1,035.45	1,035.49	---	1,035.50	1,035.51	---
27	---	---	---	---	---	1,035.44	1,035.45	1,035.50	---	1,035.51	1,035.51	---
28	---	---	---	---	---	1,035.44	1,035.45	1,035.50	---	1,035.51	1,035.51	1,035.55
29	---	---	---	---	---	1,035.44	1,035.45	1,035.50	---	1,035.51	1,035.51	1,035.55
30	---	---	---	---	---	1,035.44	1,035.45	1,035.50	---	1,035.51	1,035.51	1,035.55
31	---	---	---	---	---	---	1,035.45	1,035.50	---	1,035.51	---	1,035.55
Mean	---	---	---	---	---	---	1,035.45	1,035.48	---	---	1,035.51	---
Max	---	---	---	---	---	---	1,035.45	1,035.50	---	---	1,035.51	---
Min	---	---	---	---	---	---	1,035.44	1,035.45	---	---	1,035.51	---

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 35-6; USGS Site number 381536083341802; lat 38°15'36", long 83°34'18";
Altitude of top of sump, 1,059.91 feet above sea level--Continued

June 1987 through May 1988

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	1,035.55	1,035.57	---	1,035.61	1,035.64	1,035.66	1,035.69	1,035.71	1,035.74	---	1,035.73	1,035.73
2	1,035.55	1,035.57	---	1,035.61	1,035.64	1,035.66	1,035.69	1,035.71	1,035.74	---	1,035.73	1,035.73
3	1,035.55	1,035.57	---	1,035.61	1,035.64	1,035.66	1,035.70	1,035.71	1,035.74	---	1,035.73	1,035.73
4	1,035.55	1,035.57	---	1,035.61	1,035.64	1,035.67	1,035.70	1,035.71	1,035.74	---	1,035.73	1,035.73
5	1,035.55	1,035.57	---	1,035.61	1,035.64	1,035.67	1,035.70	1,035.71	1,035.74	---	1,035.73	1,035.73
6	1,035.55	1,035.57	---	1,035.61	1,035.64	1,035.67	1,035.70	1,035.72	---	---	1,035.74	1,035.73
7	1,035.55	1,035.57	---	1,035.61	1,035.64	1,035.67	1,035.70	1,035.72	---	---	1,035.74	1,035.73
8	1,035.55	1,035.57	---	1,035.61	1,035.64	1,035.67	1,035.70	1,035.72	---	---	1,035.74	1,035.73
9	1,035.56	1,035.57	---	1,035.62	---	1,035.67	1,035.71	1,035.72	---	---	1,035.74	1,035.73
10	1,035.56	1,035.57	---	1,035.62	---	1,035.67	1,035.71	1,035.72	---	---	1,035.74	1,035.73
11	1,035.56	1,035.57	---	1,035.62	---	1,035.67	1,035.71	1,035.72	---	---	1,035.74	1,035.73
12	1,035.56	1,035.57	---	1,035.62	1,035.65	1,035.67	1,035.71	1,035.72	---	---	1,035.74	1,035.73
13	1,035.56	1,035.57	---	1,035.62	1,035.65	1,035.67	1,035.71	1,035.72	---	---	1,035.73	1,035.73
14	1,035.56	1,035.57	---	1,035.62	1,035.65	1,035.67	1,035.71	1,035.73	---	---	1,035.73	1,035.73
15	1,035.56	1,035.57	---	1,035.62	1,035.65	1,035.67	1,035.71	1,035.73	---	---	1,035.73	1,035.73
16	1,035.56	1,035.57	---	1,035.62	1,035.65	1,035.67	1,035.71	1,035.73	---	---	1,035.73	1,035.74
17	1,035.56	1,035.57	---	1,035.63	1,035.65	1,035.68	1,035.71	1,035.73	---	1,035.75	1,035.73	1,035.74
18	1,035.56	1,035.57	---	1,035.63	1,035.65	1,035.68	1,035.71	1,035.73	---	1,035.75	1,035.73	1,035.74
19	1,035.56	1,035.57	---	1,035.63	1,035.66	1,035.68	1,035.71	1,035.73	---	1,035.74	1,035.73	1,035.74
20	1,035.56	1,035.57	---	1,035.63	1,035.66	1,035.68	1,035.71	1,035.73	---	1,035.74	1,035.73	1,035.74
21	1,035.57	1,035.57	---	1,035.63	1,035.66	1,035.68	1,035.71	1,035.74	---	1,035.73	1,035.73	1,035.74
22	1,035.57	1,035.57	---	1,035.63	1,035.66	1,035.69	1,035.71	1,035.74	---	1,035.73	1,035.73	1,035.74
23	1,035.57	1,035.57	---	1,035.63	1,035.66	1,035.69	1,035.71	1,035.74	---	1,035.73	1,035.73	1,035.74
24	1,035.57	1,035.57	---	1,035.63	1,035.66	1,035.69	1,035.71	1,035.74	---	1,035.73	1,035.73	1,035.74
25	1,035.57	1,035.57	---	1,035.64	1,035.66	1,035.69	1,035.71	1,035.74	---	1,035.73	1,035.73	1,035.74
26	1,035.57	1,035.57	---	1,035.64	1,035.66	1,035.69	1,035.71	1,035.74	---	1,035.73	1,035.73	1,035.74
27	1,035.57	1,035.57	---	1,035.64	1,035.66	1,035.69	1,035.71	1,035.74	---	1,035.73	1,035.73	1,035.74
28	1,035.57	1,035.57	---	1,035.64	1,035.66	1,035.69	1,035.71	1,035.74	---	1,035.73	1,035.73	1,035.74
29	1,035.57	---	---	1,035.64	1,035.66	1,035.69	1,035.71	1,035.74	---	1,035.73	1,035.73	1,035.74
30	1,035.57	---	---	1,035.64	1,035.66	1,035.69	1,035.71	1,035.74	---	1,035.73	1,035.73	1,035.74
31	---	---	---	---	1,035.66	---	1,035.71	1,035.74	---	1,035.73	---	1,035.74
Mean	1,035.56	---	---	1,035.62	---	1,035.68	1,035.71	1,035.73	---	---	1,035.73	1,035.74
Max	1,035.57	---	---	1,035.64	---	1,035.69	1,035.71	1,035.74	---	---	1,035.74	1,035.74
Min	1,035.55	---	---	1,035.61	---	1,035.66	1,035.69	1,035.71	---	---	1,035.73	1,035.73

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 35-6; USGS Site number 381536083341802; lat 38°15'36", long 83°34'18";
Altitude of top of sump, 1,059.91 feet above sea level--Continued

June 1988 through April 1989

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
1	1,035.74	1,035.72	1,035.73	1,035.76	1,035.79	1,035.79	1,035.80	1,035.82	---	1,035.81	1,035.78
2	1,035.74	1,035.72	1,035.73	1,035.79	1,035.79	1,035.79	1,035.80	1,035.82	---	1,035.81	1,035.78
3	1,035.74	1,035.72	1,035.74	1,035.79	1,035.79	1,035.79	1,035.80	1,035.82	---	1,035.81	1,035.78
4	1,035.74	1,035.72	1,035.74	1,035.79	1,035.79	1,035.79	1,035.80	1,035.82	---	1,035.81	1,035.78
5	1,035.74	1,035.72	1,035.74	1,035.79	1,035.79	1,035.79	1,035.80	1,035.82	---	1,035.81	1,035.78
6	1,035.74	1,035.72	1,035.74	1,035.79	1,035.79	1,035.79	1,035.80	1,035.82	---	1,035.81	1,035.78
7	1,035.74	1,035.72	1,035.74	1,035.79	1,035.79	1,035.79	1,035.80	1,035.82	---	1,035.81	1,035.78
8	1,035.74	1,035.72	1,035.74	1,035.79	1,035.79	1,035.79	1,035.82	1,035.82	---	1,035.81	1,035.78
9	1,035.73	1,035.72	1,035.74	1,035.79	1,035.79	1,035.79	1,035.82	1,035.82	---	1,035.81	1,035.78
10	1,035.73	1,035.72	1,035.74	1,035.79	1,035.79	1,035.79	1,035.82	1,035.82	---	1,035.81	1,035.78
11	1,035.73	1,035.72	1,035.74	1,035.79	1,035.79	1,035.79	1,035.82	1,035.82	---	1,035.81	1,035.78
12	1,035.73	1,035.72	1,035.74	1,035.79	1,035.79	1,035.79	1,035.82	1,035.82	---	1,035.81	1,035.78
13	1,035.72	1,035.72	1,035.74	1,035.79	1,035.79	1,035.79	1,035.82	1,035.82	---	1,035.81	---
14	1,035.72	1,035.72	1,035.74	1,035.79	1,035.79	1,035.79	1,035.82	1,035.82	---	1,035.81	---
15	1,035.72	1,035.72	1,035.75	1,035.79	1,035.79	1,035.79	1,035.82	1,035.82	---	1,035.81	---
16	1,035.72	1,035.72	1,035.75	1,035.79	1,035.79	1,035.79	1,035.82	1,035.82	1,035.81	1,035.79	---
17	1,035.72	1,035.72	1,035.75	1,035.79	1,035.79	1,035.79	1,035.82	1,035.82	1,035.81	1,035.79	---
18	1,035.72	1,035.72	1,035.75	1,035.79	1,035.79	1,035.79	1,035.82	1,035.82	1,035.81	1,035.79	---
19	1,035.72	1,035.72	1,035.75	1,035.79	1,035.79	1,035.79	1,035.82	1,035.81	1,035.81	1,035.79	---
20	1,035.72	1,035.72	1,035.75	1,035.79	1,035.79	1,035.79	1,035.82	1,035.81	1,035.81	1,035.79	---
21	1,035.72	1,035.72	1,035.75	1,035.79	1,035.79	1,035.79	1,035.82	1,035.81	1,035.81	1,035.79	---
22	1,035.72	1,035.72	1,035.75	1,035.79	1,035.79	1,035.79	1,035.82	1,035.81	1,035.81	1,035.79	---
23	1,035.72	1,035.72	1,035.75	1,035.79	1,035.79	1,035.79	1,035.82	1,035.81	1,035.81	1,035.78	---
24	1,035.72	1,035.72	1,035.75	1,035.79	1,035.79	1,035.79	1,035.82	1,035.82	1,035.81	1,035.78	---
25	1,035.72	1,035.72	1,035.76	1,035.79	1,035.79	1,035.79	1,035.82	1,035.82	1,035.81	1,035.78	---
26	1,035.72	1,035.72	1,035.76	1,035.79	1,035.79	1,035.79	1,035.82	1,035.82	1,035.81	1,035.78	---
27	1,035.72	1,035.72	1,035.76	1,035.79	1,035.79	1,035.79	1,035.82	1,035.83	1,035.81	1,035.78	---
28	1,035.72	1,035.72	1,035.76	1,035.79	1,035.79	1,035.79	1,035.82	1,035.83	1,035.81	1,035.78	---
29	1,035.72	1,035.72	1,035.76	1,035.79	1,035.79	1,035.79	1,035.82	1,035.83	---	1,035.78	---
30	1,035.72	1,035.73	1,035.76	1,035.79	1,035.79	1,035.79	1,035.82	---	---	1,035.78	---
31	---	1,035.73	1,035.76	---	1,035.79	---	1,035.82	---	---	1,035.78	---
Mean	1,035.73	1,035.72	1,035.75	1,035.79	1,035.79	1,035.79	1,035.82	---	---	1,035.80	---
Max	1,035.74	1,035.73	1,035.76	1,035.79	1,035.79	1,035.79	1,035.82	---	---	1,035.81	---
Min	1,035.72	1,035.72	1,035.73	1,035.76	1,035.79	1,035.79	1,035.80	---	---	1,035.78	---

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 35-8; USGS Site number 381535083341701; lat 38°15'35", long 83°34'17";
Altitude of top of sump, 1,060.66 feet above sea level

June 1986 through May 1987

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	---	---	---	---	---	---	---	---	---	---	1,038.16	1,038.10
2	---	---	---	---	---	---	---	---	---	---	1,038.16	1,038.10
3	---	---	---	---	---	---	---	---	---	---	1,038.16	1,038.10
4	---	---	---	---	---	---	---	---	---	---	1,038.16	1,038.10
5	---	---	---	---	---	---	---	---	---	1,038.21	1,038.16	1,038.10
6	---	---	---	---	---	---	---	---	---	1,038.21	1,038.16	1,038.10
7	---	---	---	---	---	---	---	---	---	1,038.21	1,038.16	1,038.09
8	---	---	---	---	---	---	---	---	---	1,038.21	1,038.16	1,038.09
9	---	---	---	---	---	---	---	---	---	1,038.21	1,038.16	1,038.09
10	---	---	---	---	---	---	---	---	---	1,038.21	1,038.14	1,038.09
11	---	---	---	---	---	---	---	---	---	1,038.21	1,038.14	1,038.10
12	---	---	---	---	---	---	---	---	---	1,038.20	1,038.14	1,038.10
13	---	---	---	---	---	---	---	---	---	1,038.20	1,038.14	1,038.10
14	---	---	---	---	---	---	---	---	---	1,038.20	1,038.14	1,038.07
15	---	---	---	---	---	---	---	---	---	1,038.20	1,038.15	---
16	---	---	---	---	---	---	---	---	---	1,038.20	1,038.15	---
17	---	---	---	---	---	---	---	---	---	1,038.20	1,038.15	---
18	---	---	---	---	---	---	---	---	---	1,038.18	1,038.15	---
19	---	---	---	---	---	---	---	---	---	1,038.18	1,038.15	---
20	---	---	---	---	---	---	---	---	---	1,038.18	1,038.12	---
21	---	---	---	---	---	---	---	---	---	1,038.18	1,038.12	---
22	---	---	---	---	---	---	---	---	---	1,038.18	1,038.12	---
23	---	---	---	---	---	---	---	---	---	1,038.18	1,038.13	---
24	---	---	---	---	---	---	---	---	---	1,038.18	1,038.13	---
25	---	---	---	---	---	---	---	---	---	1,038.18	1,038.13	---
26	---	---	---	---	---	---	---	---	---	1,038.18	1,038.13	---
27	---	---	---	---	---	---	---	---	---	1,038.18	1,038.11	---
28	---	---	---	---	---	---	---	---	---	1,038.17	1,038.11	1,038.14
29	---	---	---	---	---	---	---	---	---	1,038.17	1,038.11	1,038.14
30	---	---	---	---	---	---	---	---	---	1,038.16	1,038.10	1,038.14
31	---	---	---	---	---	---	---	---	---	1,038.16	---	1,038.15
Mean	---	---	---	---	---	---	---	---	---	---	1,038.14	---
Max	---	---	---	---	---	---	---	---	---	---	1,038.16	---
Min	---	---	---	---	---	---	---	---	---	---	1,038.10	---

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 35-8; USGS Site number 381535083341701; lat 38°15'35", long 83°34'17";
Altitude of top of sump, 1,060.66 feet above sea level--Continued

June 1987 through May 1988

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	1,038.15	1,038.17	1,038.19	1,038.19	1,038.23	1,038.22	1,038.22	1,038.16	---	---	1,038.06	1,037.99
2	1,038.15	1,038.17	1,038.19	1,038.19	1,038.23	1,038.22	1,038.22	1,038.16	---	1,038.19	1,038.06	1,037.99
3	1,038.15	1,038.17	1,038.19	1,038.20	1,038.23	1,038.22	1,038.22	1,038.16	---	---	1,038.06	1,037.99
4	1,038.15	1,038.17	1,038.19	1,038.20	1,038.23	1,038.22	1,038.22	1,038.16	---	---	1,038.06	1,037.99
5	1,038.16	1,038.17	1,038.20	1,038.20	1,038.23	1,038.22	1,038.22	1,038.15	---	---	1,038.06	1,037.99
6	1,038.14	1,038.17	1,038.20	1,038.21	1,038.23	1,038.21	1,038.21	1,038.14	---	---	1,038.06	1,037.98
7	1,038.14	1,038.17	1,038.20	1,038.21	1,038.23	1,038.21	1,038.21	1,038.14	---	---	1,038.06	1,037.98
8	1,038.14	1,038.17	1,038.20	1,038.21	1,038.23	1,038.22	1,038.21	1,038.14	---	---	1,038.06	1,037.98
9	1,038.14	1,038.17	1,038.20	1,038.21	1,038.23	1,038.22	1,038.21	1,038.13	---	---	1,038.06	1,037.97
10	1,038.14	1,038.17	1,038.20	1,038.22	1,038.23	1,038.22	1,038.19	1,038.12	---	---	1,038.06	1,037.97
11	1,038.14	1,038.17	1,038.20	1,038.22	1,038.23	1,038.22	1,038.19	1,038.12	---	---	1,038.06	1,037.97
12	1,038.14	1,038.17	1,038.20	1,038.21	1,038.23	1,038.22	1,038.19	1,038.12	---	---	1,038.06	1,037.95
13	1,038.14	1,038.17	1,038.16	1,038.21	1,038.23	1,038.22	1,038.19	1,038.09	---	---	1,038.04	1,037.95
14	1,038.14	1,038.17	1,038.16	1,038.22	1,038.23	1,038.22	1,038.18	1,038.09	---	---	1,038.04	1,037.95
15	1,038.14	1,038.17	1,038.16	1,038.22	1,038.23	1,038.22	1,038.19	1,038.09	---	---	1,038.04	1,037.95
16	1,038.14	1,038.17	1,038.17	1,038.22	1,038.23	1,038.22	1,038.19	1,038.08	---	---	1,038.04	1,037.95
17	1,038.14	1,038.17	1,038.17	1,038.19	1,038.23	1,038.22	1,038.19	1,038.08	---	1,038.10	1,038.04	1,037.95
18	1,038.14	1,038.17	1,038.17	1,038.19	1,038.23	1,038.22	1,038.19	1,038.08	---	1,038.09	1,038.04	1,037.95
19	1,038.15	1,038.17	1,038.18	1,038.20	1,038.23	1,038.22	1,038.20	1,038.08	---	1,038.09	1,038.03	1,037.95
20	1,038.15	1,038.17	1,038.18	1,038.20	1,038.23	1,038.22	1,038.21	1,038.09	---	1,038.09	1,038.03	1,037.95
21	1,038.16	1,038.18	1,038.18	1,038.20	1,038.23	1,038.21	1,038.21	1,038.07	---	1,038.09	1,038.03	1,037.95
22	1,038.16	1,038.18	1,038.19	1,038.20	1,038.23	1,038.21	1,038.21	1,038.06	---	1,038.09	1,038.03	1,037.95
23	1,038.17	1,038.18	1,038.19	1,038.21	1,038.23	1,038.21	1,038.20	1,038.05	---	1,038.09	1,038.02	1,037.95
24	1,038.17	1,038.18	1,038.19	1,038.21	1,038.23	1,038.21	1,038.20	---	---	1,038.09	1,038.02	1,037.95
25	1,038.17	1,038.18	1,038.19	1,038.21	1,038.23	1,038.21	1,038.20	---	---	1,038.09	1,038.01	1,037.94
26	1,038.17	1,038.18	1,038.20	1,038.21	1,038.23	1,038.21	1,038.20	---	---	1,038.09	1,038.01	1,037.94
27	1,038.17	1,038.18	1,038.20	1,038.21	1,038.23	1,038.21	1,038.19	---	---	1,038.08	1,038.00	1,037.94
28	1,038.17	1,038.19	1,038.17	1,038.22	1,038.22	1,038.22	1,038.19	---	---	1,038.06	1,037.99	1,037.94
29	1,038.17	1,038.19	1,038.18	1,038.22	1,038.22	1,038.22	1,038.19	---	---	1,038.06	1,037.99	1,037.94
30	1,038.17	1,038.19	---	1,038.23	1,038.21	1,038.22	1,038.17	---	---	1,038.06	1,037.99	1,037.94
31	---	1,038.19	---	---	1,038.21	---	1,038.17	---	---	1,038.06	---	1,037.94
Mean	1,038.15	1,038.17	---	1,038.21	1,038.23	1,038.22	1,038.20	---	---	---	1,038.04	1,037.96
Max	1,038.17	1,038.19	---	1,038.23	1,038.23	1,038.22	1,038.22	---	---	---	1,038.06	1,037.99
Min	1,038.14	1,038.17	---	1,038.19	1,038.21	1,038.21	1,038.17	---	---	---	1,037.99	1,037.94

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 35-8; USGS Site number 381535083341701; lat 38°15'35", long 83°34'17";
Altitude of top of sump, 1,060.66 feet above sea level--Continued

June 1988 through April 1989

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
1	1,037.94	---	1,037.98	1,037.99	1,037.99	1,037.98	1,038.03	1,038.05	1,038.04	1,038.04	1,038.04
2	1,037.94	---	1,037.98	1,037.99	1,037.99	1,038.03	1,038.03	1,038.05	1,038.04	1,038.04	1,038.03
3	1,037.94	---	1,037.99	1,037.99	1,037.99	1,038.03	1,038.03	1,038.05	1,038.04	1,038.04	1,038.03
4	1,037.94	---	1,037.99	1,037.99	1,038.03	1,038.03	1,038.03	1,038.05	1,038.04	1,038.04	1,038.03
5	1,037.94	---	1,037.99	1,037.99	1,038.03	1,038.03	1,038.03	1,038.04	1,038.04	1,038.04	1,038.03
6	1,037.94	1,038.00	1,037.99	1,037.99	1,038.03	1,038.03	1,038.03	1,038.05	1,038.04	1,038.04	1,038.03
7	1,037.94	1,037.97	1,037.99	1,037.99	1,038.03	1,038.03	1,038.03	1,038.05	1,038.04	1,038.04	1,038.03
8	1,037.94	1,037.97	1,037.99	1,037.99	1,038.03	1,038.03	1,038.03	1,038.04	1,038.04	1,038.04	1,038.03
9	1,037.94	1,037.97	1,037.99	1,037.99	1,038.03	1,038.03	1,038.03	1,038.04	1,038.04	1,038.04	1,038.03
10	1,037.94	1,037.97	1,037.99	1,037.99	1,038.03	1,038.03	1,038.03	1,038.04	1,038.04	1,038.04	1,038.02
11	1,037.94	1,037.98	1,037.99	1,037.99	1,038.03	1,038.03	1,038.03	1,038.04	1,038.04	1,038.04	1,038.02
12	1,037.94	1,037.98	1,037.99	1,037.99	1,038.03	1,038.03	1,038.03	1,038.04	1,038.04	1,038.04	1,038.02
13	1,037.94	1,037.98	1,037.99	1,037.99	1,038.03	1,038.03	1,038.03	1,038.04	1,038.04	1,038.04	---
14	1,037.94	1,037.98	1,037.99	1,037.99	1,038.03	1,038.03	1,038.03	1,038.04	1,038.04	1,038.04	---
15	1,037.94	1,037.98	1,037.99	1,037.99	1,038.03	1,038.03	1,038.03	1,038.04	1,038.04	1,038.04	---
16	1,037.94	1,037.98	1,037.99	1,037.99	1,038.02	1,038.03	1,038.03	1,038.04	1,038.04	1,038.03	---
17	1,037.94	1,037.98	1,037.99	1,037.99	1,038.02	1,038.03	1,038.03	1,038.04	1,038.04	1,038.03	---
18	1,037.94	1,037.98	1,037.99	1,037.99	1,038.02	1,038.03	1,038.03	1,038.04	1,038.04	1,038.03	---
19	1,037.94	1,037.98	1,037.99	1,037.99	1,038.02	1,038.03	1,038.03	1,038.04	1,038.04	1,038.03	---
20	1,037.94	1,037.98	1,037.99	1,037.99	1,038.02	1,038.03	1,038.03	1,038.04	1,038.04	1,038.03	---
21	1,037.94	1,037.98	1,037.99	1,037.99	1,038.02	1,038.03	1,038.03	1,038.04	1,038.04	1,038.03	---
22	1,037.94	1,037.98	1,037.99	1,037.99	1,038.01	1,038.03	1,038.03	1,038.04	1,038.04	1,038.04	---
23	1,037.94	1,037.98	1,037.99	1,037.99	1,038.01	1,038.03	1,038.03	1,038.04	1,038.04	1,038.04	---
24	1,037.94	1,037.98	1,037.99	1,037.99	1,038.01	1,038.03	1,038.03	1,038.04	1,038.04	1,038.04	---
25	1,037.94	1,037.98	1,038.00	1,037.99	1,038.01	1,038.03	1,038.03	1,038.04	1,038.04	1,038.04	---
26	1,037.94	1,037.98	1,037.99	1,037.99	1,038.00	1,038.03	1,038.03	1,038.04	1,038.04	1,038.04	---
27	1,037.94	1,037.98	1,037.99	1,037.99	1,038.00	1,038.03	1,038.03	1,038.04	1,038.04	1,038.04	---
28	---	1,037.98	1,037.99	1,037.99	1,038.00	1,038.03	1,038.04	1,038.04	1,038.04	1,038.04	---
29	---	1,037.98	1,037.99	1,037.99	1,037.98	1,038.03	1,038.04	1,038.04	---	1,038.04	---
30	---	1,037.98	1,037.98	1,037.99	1,037.98	1,038.03	1,038.04	1,038.04	---	1,038.04	---
31	---	1,037.98	1,037.97	---	1,037.98	---	1,038.04	1,038.04	---	1,038.04	---
Mean	---	---	1,037.99	1,037.99	1,038.01	1,038.03	1,038.03	1,038.04	1,038.04	1,038.04	---
Max	---	---	1,038.00	1,037.99	1,038.03	1,038.03	1,038.04	1,038.05	1,038.04	1,038.04	---
Min	---	---	1,037.97	1,037.99	1,037.98	1,037.98	1,038.03	1,038.04	1,038.04	1,038.03	---

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 36-3; USGS Site number 381536083341101; lat 38°15'36", long 83°34'11";
Altitude of top of sump, 1,060.26 feet above sea level

June 1985 through May 1986

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	---	---	---	---	---	---	---	1,042.01	1,042.00	1,042.00	1,041.98	1,041.97
2	---	---	---	---	---	---	---	1,042.01	1,042.00	1,042.00	1,041.98	1,041.97
3	---	---	---	---	---	---	---	1,042.01	1,042.00	1,042.00	1,041.98	1,041.97
4	---	---	---	---	---	---	---	1,042.01	1,042.00	1,042.00	1,041.98	1,041.97
5	---	---	---	---	---	---	---	1,042.01	1,042.00	1,042.00	1,041.98	1,041.97
6	---	---	---	---	---	---	---	1,042.01	1,042.00	1,042.00	1,041.98	1,041.97
7	---	---	---	---	---	---	---	1,042.01	1,042.00	1,042.00	1,041.98	1,041.97
8	---	---	---	---	---	---	---	1,042.01	1,042.00	1,042.00	1,041.98	1,041.97
9	---	---	---	---	---	---	---	1,042.01	1,042.00	1,041.99	1,041.98	1,041.97
10	---	---	---	---	---	---	1,042.01	1,042.01	1,042.01	1,041.99	1,041.98	1,041.97
11	---	---	---	---	---	---	1,042.01	1,042.01	1,042.01	1,041.99	1,041.98	1,041.97
12	---	---	---	---	---	---	1,042.01	1,042.01	1,042.01	1,041.98	1,041.98	1,041.97
13	---	---	---	---	---	---	1,042.01	1,042.01	1,042.01	1,041.98	1,041.98	1,041.97
14	---	---	---	---	---	---	1,042.01	1,042.01	1,042.01	1,041.98	1,041.98	1,041.97
15	---	---	---	---	---	---	1,042.01	1,042.01	1,042.01	1,041.98	1,041.98	1,041.97
16	---	---	---	---	---	---	1,042.01	1,042.01	1,042.00	1,041.98	1,041.98	1,041.97
17	---	---	---	---	---	---	1,042.01	1,042.01	1,042.00	1,041.98	1,041.98	1,041.97
18	---	---	---	---	---	---	1,042.01	1,042.01	1,042.00	1,041.98	1,041.98	1,041.97
19	---	---	---	---	---	---	1,042.01	1,042.01	1,042.00	1,041.98	1,041.98	1,041.97
20	---	---	---	---	---	---	1,042.01	1,042.01	1,042.00	1,041.98	1,041.98	1,041.97
21	---	---	---	---	---	---	1,042.01	1,042.01	1,042.00	1,041.98	1,041.98	1,041.97
22	---	---	---	---	---	---	1,042.01	1,042.00	1,042.00	1,041.98	1,041.98	1,041.97
23	---	---	---	---	---	---	1,042.01	1,042.00	1,042.00	1,041.98	1,041.98	1,041.97
24	---	---	---	---	---	---	1,042.01	1,042.00	1,042.00	1,041.98	1,041.97	1,041.97
25	---	---	---	---	---	---	1,042.01	1,042.00	1,042.00	1,041.98	1,041.97	1,041.97
26	---	---	---	---	---	---	1,042.01	1,042.00	1,042.00	1,041.98	1,041.97	1,041.97
27	---	---	---	---	---	---	1,042.01	1,042.00	1,042.00	1,041.98	1,041.97	1,041.97
28	---	---	---	---	---	---	1,042.01	1,042.00	1,042.00	1,041.98	1,041.97	1,041.97
29	---	---	---	---	---	---	1,042.01	1,042.00	---	1,041.98	1,041.97	1,041.97
30	---	---	---	---	---	---	1,042.01	1,042.00	---	1,041.98	1,041.97	1,041.97
31	---	---	---	---	---	---	1,042.01	1,042.00	---	1,041.98	---	1,041.97
Mean	---	---	---	---	---	---	---	1,042.01	1,042.00	1,041.99	1,041.98	1,041.97
Max	---	---	---	---	---	---	---	1,042.01	1,042.01	1,042.00	1,041.98	1,041.97
Min	---	---	---	---	---	---	---	1,042.00	1,042.00	1,041.98	1,041.97	1,041.97

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 36-3; USGS Site number 381536083341101; lat 38°15'36", long 83°34'11";
Altitude of top of sump, 1,060.26 feet above sea level--Continued

June 1986 through May 1987

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	1,041.97	1,041.97	1,041.97	1,042.01	1,042.03	1,042.05	---	1,042.06	---	1,042.06	1,042.05	1,042.04
2	1,041.97	1,041.97	1,041.96	1,042.01	1,042.03	1,042.06	---	1,042.06	---	1,042.06	1,042.05	1,042.04
3	1,041.97	1,041.97	1,041.96	1,042.01	1,042.04	1,042.06	1,042.06	1,042.06	---	1,042.06	1,042.04	1,042.04
4	1,041.97	1,041.97	1,041.96	1,042.01	1,042.04	1,042.05	1,042.06	1,042.07	---	1,042.06	1,042.04	1,042.04
5	1,041.97	1,041.97	1,041.96	1,042.01	1,042.04	1,042.05	1,042.06	1,042.07	1,042.06	1,042.06	1,042.04	1,042.04
6	1,041.97	1,041.97	1,041.96	1,042.01	1,042.04	1,042.05	1,042.06	1,042.07	1,042.06	1,042.06	1,042.04	1,042.04
7	1,041.97	1,041.97	1,041.99	1,042.01	1,042.04	1,042.05	1,042.06	1,042.07	1,042.06	1,042.05	1,042.04	1,042.04
8	1,041.97	1,041.97	1,041.99	1,042.01	1,042.04	1,042.05	1,042.06	1,042.06	1,042.06	1,042.05	1,042.04	1,042.04
9	1,041.97	1,041.97	1,041.99	1,042.01	1,042.04	1,042.05	1,042.06	1,042.06	1,042.06	1,042.05	1,042.04	1,042.04
10	1,041.97	1,041.97	1,041.99	1,042.01	1,042.04	1,042.05	1,042.06	1,042.06	1,042.06	1,042.05	1,042.04	1,042.04
11	1,041.97	1,041.97	1,041.99	1,042.01	1,042.04	1,042.05	1,042.06	1,042.06	1,042.06	1,042.05	1,042.04	1,042.03
12	1,041.97	1,041.97	1,041.99	1,042.01	1,042.04	1,042.05	1,042.06	1,042.06	1,042.06	1,042.05	1,042.04	1,042.03
13	1,041.97	1,041.97	1,041.99	1,042.01	1,042.04	1,042.06	1,042.06	1,042.06	1,042.06	1,042.05	1,042.04	1,042.03
14	1,041.97	1,041.97	1,041.99	1,042.01	1,042.04	---	1,042.06	1,042.06	1,042.06	1,042.05	1,042.04	1,042.03
15	1,041.97	1,041.97	1,041.99	1,042.01	1,042.04	---	1,042.06	1,042.06	1,042.06	1,042.05	1,042.04	---
16	1,041.97	1,041.97	1,041.99	1,042.01	1,042.04	---	1,042.06	1,042.06	1,042.06	1,042.05	1,042.04	---
17	1,041.97	1,041.97	1,041.99	1,042.02	1,042.04	---	1,042.06	1,042.06	1,042.06	1,042.05	1,042.04	---
18	1,041.97	1,041.97	1,041.99	1,042.02	1,042.04	---	1,042.06	1,042.06	1,042.06	1,042.05	1,042.04	---
19	1,041.97	1,041.97	1,041.99	1,042.02	1,042.04	---	1,042.06	1,042.06	1,042.06	1,042.05	1,042.04	---
20	1,041.97	1,041.97	1,041.99	1,042.02	1,042.04	---	1,042.06	1,042.06	1,042.06	1,042.05	1,042.04	---
21	1,041.97	1,041.97	1,041.99	1,042.02	1,042.04	---	1,042.06	1,042.06	1,042.06	1,042.05	1,042.04	---
22	1,041.97	1,041.97	1,041.99	1,042.02	1,042.04	---	1,042.06	1,042.06	1,042.06	1,042.05	1,042.04	---
23	1,041.97	1,041.97	1,041.99	1,042.02	1,042.04	---	1,042.06	1,042.06	1,042.06	1,042.05	1,042.04	---
24	1,041.97	1,041.97	1,041.99	1,042.02	1,042.04	---	1,042.06	1,042.06	1,042.06	1,042.05	1,042.04	---
25	1,041.97	1,041.97	1,041.99	1,042.02	1,042.04	---	1,042.06	---	1,042.06	1,042.05	1,042.04	---
26	1,041.97	1,041.97	1,042.00	1,042.02	1,042.04	---	1,042.06	---	1,042.06	1,042.05	1,042.04	---
27	1,041.97	1,041.97	1,042.00	1,042.02	1,042.04	---	1,042.06	---	1,042.06	1,042.05	1,042.04	---
28	1,041.97	1,041.97	1,042.00	1,042.03	1,042.04	---	1,042.06	---	1,042.06	1,042.05	1,042.04	1,042.03
29	1,041.97	1,041.97	1,042.00	1,042.03	1,042.04	---	1,042.06	---	---	1,042.05	1,042.04	1,042.03
30	1,041.97	1,041.97	1,042.00	1,042.03	1,042.04	---	1,042.06	---	---	1,042.05	1,042.04	1,042.02
31	---	1,041.97	1,042.00	---	1,042.04	---	1,042.06	---	---	1,042.05	---	1,042.02
Mean	1,041.97	1,041.97	1,041.99	1,042.02	1,042.04	---	---	---	---	1,042.05	1,042.04	---
Max	1,041.97	1,041.97	1,042.00	1,042.03	1,042.04	---	---	---	---	1,042.06	1,042.05	---
Min	1,041.97	1,041.97	1,041.96	1,042.01	1,042.03	---	---	---	---	1,042.05	1,042.04	---

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 36-3; USGS Site number 381536083341101; lat 38°15'36", long 83°34'11";
Altitude of top of sump, 1,060.26 feet above sea level--Continued

June 1987 through May 1988

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	1,042.02	1,042.03	---	1,042.07	1,042.09	1,042.11	1,042.12	1,042.13	1,042.12	1,042.10	1,042.08	1,042.08
2	1,042.02	1,042.03	---	1,042.07	1,042.09	1,042.11	1,042.12	1,042.13	1,042.12	1,042.10	1,042.08	1,042.08
3	1,042.02	1,042.03	---	1,042.07	1,042.09	1,042.11	1,042.12	1,042.13	1,042.12	1,042.10	1,042.08	1,042.08
4	1,042.02	1,042.03	---	1,042.07	1,042.09	1,042.11	1,042.12	1,042.13	1,042.12	1,042.10	1,042.08	1,042.08
5	1,042.02	1,042.03	---	1,042.07	1,042.09	1,042.11	1,042.12	1,042.13	1,042.12	1,042.10	1,042.08	1,042.08
6	1,042.02	1,042.03	---	1,042.07	1,042.09	1,042.11	1,042.12	1,042.13	1,042.12	1,042.10	1,042.08	1,042.08
7	1,042.02	1,042.03	---	1,042.07	1,042.09	1,042.11	1,042.12	1,042.13	1,042.12	1,042.10	1,042.08	1,042.08
8	1,042.02	1,042.03	---	1,042.07	1,042.09	1,042.11	1,042.12	1,042.13	1,042.12	1,042.10	1,042.08	1,042.08
9	1,042.02	1,042.03	---	1,042.07	1,042.09	1,042.11	1,042.12	1,042.13	1,042.12	1,042.10	1,042.08	1,042.08
10	1,042.02	1,042.03	---	1,042.07	1,042.09	1,042.11	1,042.12	1,042.13	1,042.11	1,042.10	1,042.08	1,042.08
11	1,042.02	1,042.03	---	1,042.07	1,042.09	1,042.11	1,042.12	1,042.13	1,042.11	1,042.10	1,042.08	1,042.08
12	1,042.02	1,042.03	---	1,042.07	1,042.09	1,042.11	1,042.12	1,042.13	1,042.11	1,042.10	1,042.08	1,042.08
13	1,042.02	1,042.03	---	1,042.07	1,042.09	1,042.11	1,042.12	1,042.13	1,042.11	1,042.10	1,042.08	1,042.08
14	1,042.02	1,042.03	---	1,042.07	1,042.09	1,042.11	1,042.12	1,042.13	1,042.11	1,042.10	1,042.08	1,042.08
15	1,042.02	1,042.03	---	1,042.08	1,042.09	1,042.11	1,042.13	1,042.12	1,042.11	1,042.10	1,042.08	1,042.08
16	1,042.02	1,042.03	---	1,042.08	1,042.09	1,042.11	1,042.13	1,042.12	1,042.11	1,042.10	1,042.08	1,042.08
17	1,042.03	1,042.04	---	1,042.08	1,042.10	1,042.11	1,042.13	1,042.12	1,042.11	1,042.09	1,042.08	1,042.08
18	1,042.03	1,042.04	---	1,042.08	1,042.10	1,042.11	1,042.13	1,042.12	1,042.11	1,042.09	1,042.08	1,042.08
19	1,042.03	1,042.04	---	1,042.08	1,042.10	1,042.11	1,042.13	1,042.12	1,042.11	1,042.09	1,042.08	1,042.08
20	1,042.03	1,042.04	---	1,042.08	1,042.10	1,042.11	1,042.13	1,042.12	1,042.11	1,042.09	1,042.08	1,042.08
21	1,042.03	1,042.04	---	1,042.08	1,042.10	1,042.11	1,042.13	1,042.12	1,042.11	1,042.09	1,042.08	1,042.09
22	1,042.03	1,042.04	---	1,042.08	1,042.10	1,042.11	1,042.13	1,042.12	1,042.11	1,042.09	1,042.08	1,042.09
23	1,042.03	1,042.04	---	1,042.08	1,042.10	1,042.11	1,042.13	1,042.12	1,042.10	1,042.09	1,042.08	1,042.09
24	1,042.03	1,042.04	---	1,042.08	1,042.10	1,042.11	1,042.13	1,042.12	1,042.10	1,042.09	1,042.08	1,042.09
25	1,042.03	1,042.04	---	1,042.08	1,042.11	1,042.12	1,042.13	1,042.12	1,042.10	1,042.09	1,042.08	1,042.09
26	1,042.03	1,042.04	---	1,042.08	1,042.11	1,042.12	1,042.13	1,042.12	1,042.10	1,042.09	1,042.08	1,042.09
27	1,042.03	1,042.04	---	1,042.08	1,042.11	1,042.12	1,042.13	1,042.12	1,042.10	1,042.09	1,042.08	1,042.09
28	1,042.03	1,042.04	---	1,042.08	1,042.11	1,042.12	1,042.13	1,042.12	1,042.10	1,042.08	1,042.08	1,042.09
29	1,042.03	1,042.04	---	1,042.09	1,042.11	1,042.12	1,042.13	1,042.12	1,042.10	1,042.08	1,042.08	1,042.09
30	1,042.03	1,042.04	---	1,042.09	1,042.11	1,042.12	1,042.13	1,042.12	---	1,042.08	1,042.08	1,042.09
31	---	1,042.04	---	---	1,042.11	---	1,042.13	1,042.12	---	1,042.08	---	1,042.09
Mean	1,042.02	1,042.03	---	1,042.08	1,042.10	1,042.11	1,042.13	1,042.12	1,042.11	1,042.09	1,042.08	1,042.08
Max	1,042.03	1,042.04	---	1,042.09	1,042.11	1,042.12	1,042.13	1,042.13	1,042.12	1,042.10	1,042.08	1,042.09
Min	1,042.02	1,042.03	---	1,042.07	1,042.09	1,042.11	1,042.12	1,042.12	1,042.10	1,042.08	1,042.08	1,042.08

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 36-3; USGS Site number 381536083341101; lat 38°15'36", long 83°34'11";
Altitude of top of sump, 1,060.26 feet above sea level--Continued

June 1988 through April 1989

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
1	1,042.09	1,042.10	1,042.11	1,042.13	1,042.14	1,042.14	1,042.12	1,042.14	1,042.12	1,042.12	1,042.12
2	1,042.09	1,042.10	1,042.11	1,042.13	1,042.14	1,042.14	1,042.13	1,042.14	1,042.12	1,042.12	1,042.12
3	1,042.09	1,042.10	1,042.11	1,042.13	1,042.14	1,042.14	1,042.13	1,042.14	1,042.12	1,042.12	1,042.12
4	1,042.09	1,042.10	1,042.11	1,042.13	1,042.14	1,042.14	1,042.13	1,042.17	1,042.12	1,042.12	1,042.12
5	1,042.09	1,042.10	1,042.11	1,042.13	1,042.14	1,042.14	1,042.13	1,042.17	1,042.12	1,042.12	1,042.12
6	1,042.09	1,042.10	1,042.11	1,042.13	1,042.14	1,042.14	1,042.13	1,042.17	1,042.12	1,042.12	1,042.12
7	1,042.09	1,042.10	1,042.11	1,042.13	1,042.14	1,042.14	1,042.13	1,042.17	1,042.12	1,042.12	1,042.12
8	1,042.09	1,042.10	1,042.11	1,042.13	1,042.14	1,042.14	1,042.13	1,042.17	1,042.12	1,042.12	1,042.12
9	1,042.10	1,042.10	1,042.11	1,042.13	1,042.14	1,042.14	1,042.13	1,042.16	1,042.12	1,042.12	1,042.12
10	1,042.10	1,042.10	1,042.11	1,042.13	1,042.14	1,042.14	1,042.13	1,042.16	1,042.12	1,042.12	1,042.12
11	1,042.10	1,042.10	1,042.11	1,042.13	1,042.14	1,042.14	1,042.13	1,042.15	1,042.12	1,042.12	1,042.12
12	1,042.10	1,042.10	1,042.11	1,042.14	1,042.14	1,042.14	1,042.13	1,042.15	1,042.12	1,042.12	1,042.12
13	1,042.10	1,042.10	1,042.11	1,042.14	1,042.14	1,042.14	1,042.13	1,042.14	1,042.12	1,042.12	---
14	1,042.10	1,042.10	1,042.11	1,042.14	1,042.14	1,042.14	1,042.14	1,042.14	1,042.12	1,042.12	---
15	1,042.10	1,042.10	1,042.11	1,042.14	1,042.14	1,042.14	1,042.14	1,042.13	1,042.12	1,042.12	---
16	1,042.10	1,042.10	1,042.11	1,042.14	1,042.14	1,042.14	1,042.14	1,042.13	1,042.12	1,042.12	---
17	1,042.10	1,042.10	1,042.11	1,042.14	1,042.14	1,042.14	1,042.14	1,042.12	1,042.12	1,042.12	---
18	1,042.10	1,042.10	1,042.11	1,042.14	1,042.14	1,042.14	1,042.14	1,042.12	1,042.12	1,042.12	---
19	1,042.10	1,042.10	1,042.11	1,042.14	1,042.14	1,042.14	1,042.14	1,042.12	1,042.12	1,042.12	---
20	1,042.10	1,042.10	1,042.11	1,042.14	1,042.14	1,042.14	1,042.14	1,042.12	1,042.12	1,042.12	---
21	1,042.10	1,042.10	1,042.11	1,042.14	1,042.14	1,042.14	1,042.14	1,042.12	1,042.12	1,042.12	---
22	1,042.10	1,042.10	1,042.11	1,042.14	1,042.14	1,042.14	1,042.14	1,042.12	1,042.12	1,042.12	---
23	1,042.10	1,042.10	1,042.11	1,042.14	1,042.14	1,042.14	1,042.14	1,042.12	1,042.12	1,042.12	---
24	1,042.10	1,042.10	1,042.11	1,042.14	1,042.14	1,042.14	1,042.14	1,042.12	1,042.12	1,042.12	---
25	1,042.10	1,042.11	1,042.12	1,042.14	1,042.14	1,042.14	1,042.14	1,042.12	1,042.12	1,042.12	---
26	1,042.10	1,042.11	1,042.12	1,042.14	1,042.14	1,042.14	1,042.14	1,042.12	1,042.12	1,042.12	---
27	1,042.10	1,042.11	1,042.12	1,042.14	1,042.14	1,042.14	1,042.14	1,042.12	1,042.12	1,042.12	---
28	1,042.10	1,042.11	1,042.12	1,042.14	1,042.14	1,042.14	1,042.14	1,042.12	1,042.12	1,042.12	---
29	1,042.10	1,042.11	1,042.12	1,042.14	1,042.14	1,042.12	1,042.14	1,042.12	---	1,042.12	---
30	1,042.10	1,042.11	1,042.12	1,042.14	1,042.14	1,042.12	1,042.14	1,042.12	---	1,042.12	---
31	---	1,042.11	1,042.12	---	1,042.14	---	1,042.14	1,042.12	---	1,042.12	---
Mean	1,042.10	1,042.10	1,042.11	1,042.14	1,042.14	1,042.14	1,042.14	1,042.14	1,042.12	1,042.12	---
Max	1,042.10	1,042.11	1,042.12	1,042.14	1,042.14	1,042.14	1,042.14	1,042.17	1,042.12	1,042.12	---
Min	1,042.09	1,042.10	1,042.11	1,042.13	1,042.14	1,042.12	1,042.12	1,042.12	1,042.12	1,042.12	---

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 38-2; USGS Site number 381527083341601; lat 38°15'27", long 83°34'16";
Altitude of top of sump, 1,053.74 feet above sea level

June 1984 through May 1985

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	1,034.18	1,034.27	1,034.31	1,034.42	1,034.51	1,034.63	1,034.74	---	---	---	1,034.10	1,033.17
2	1,034.19	1,034.27	1,034.31	1,034.42	1,034.52	1,034.64	1,034.74	1,034.39	---	---	1,034.10	1,033.19
3	1,034.19	1,034.27	1,034.31	1,034.42	1,034.52	1,034.65	1,034.75	1,034.39	---	---	1,034.10	1,033.20
4	1,034.20	1,034.27	1,034.31	1,034.43	1,034.52	---	1,034.75	1,034.39	---	---	1,034.10	1,033.20
5	1,034.20	1,034.28	1,034.32	1,034.43	1,034.52	1,034.66	1,034.75	1,034.39	---	---	1,034.11	1,033.22
6	1,034.21	1,034.28	1,034.32	1,034.43	1,034.52	1,034.66	1,034.75	1,034.38	---	---	1,034.10	1,033.21
7	1,034.22	---	1,034.32	1,034.46	1,034.53	1,034.68	1,034.75	1,034.38	---	---	1,034.06	1,033.21
8	1,034.22	---	1,034.32	1,034.46	1,034.54	1,034.68	1,034.75	1,034.37	---	---	1,034.03	1,033.22
9	1,034.22	1,034.29	1,034.36	---	1,034.54	1,034.68	1,034.75	1,034.37	---	---	1,034.01	1,033.23
10	1,034.22	1,034.29	1,034.36	1,034.47	1,034.54	1,034.68	1,034.75	1,034.36	---	---	1,033.99	1,033.24
11	1,034.23	1,034.29	1,034.36	1,034.47	1,034.56	1,034.69	1,034.75	1,034.36	---	1,034.18	1,033.93	1,033.26
12	1,034.23	1,034.29	1,034.36	1,034.47	1,034.56	1,034.69	1,034.75	1,034.36	---	1,034.17	1,033.93	1,033.27
13	1,034.22	1,034.29	1,034.36	1,034.47	1,034.56	1,034.73	1,034.73	1,034.36	---	1,034.17	1,033.93	1,033.28
14	1,034.22	1,034.29	1,034.36	1,034.47	1,034.56	1,034.69	1,034.69	1,034.36	---	1,034.17	1,033.93	1,033.28
15	1,034.22	1,034.29	1,034.36	1,034.47	1,034.57	1,034.70	1,034.67	1,034.36	---	1,034.16	---	1,033.30
16	1,034.22	1,034.29	1,034.36	1,034.47	1,034.57	1,034.70	1,034.63	1,034.36	---	1,034.16	---	1,033.31
17	1,034.23	1,034.29	1,034.37	1,034.48	---	1,034.70	1,034.59	1,034.36	---	1,034.15	1,032.88	1,033.32
18	1,034.23	1,034.30	1,034.37	1,034.48	1,034.58	1,034.70	1,034.57	1,034.36	---	1,034.13	1,032.91	1,033.32
19	1,034.23	1,034.30	1,034.37	1,034.48	1,034.59	1,034.71	1,034.56	1,034.36	---	1,034.13	1,032.94	1,033.32
20	1,034.23	1,034.30	1,034.38	1,034.48	1,034.59	1,034.71	1,034.55	---	---	1,034.13	1,032.97	1,033.33
21	1,034.23	1,034.30	1,034.39	1,034.48	1,034.60	1,034.71	1,034.54	---	---	1,034.12	1,032.99	1,033.33
22	1,034.23	---	1,034.39	1,034.49	1,034.60	1,034.71	1,034.53	---	---	1,034.12	1,033.02	1,033.34
23	1,034.24	1,034.30	1,034.39	1,034.49	1,034.60	1,034.71	1,034.51	---	---	1,034.12	1,033.04	1,033.34
24	1,034.25	1,034.30	1,034.39	1,034.49	1,034.60	1,034.71	1,034.50	---	---	1,034.12	1,033.07	1,033.34
25	1,034.25	1,034.30	1,034.39	1,034.51	1,034.60	1,034.72	1,034.46	---	---	1,034.10	1,033.08	1,033.34
26	1,034.25	1,034.30	1,034.40	1,034.51	1,034.61	1,034.72	1,034.44	---	---	1,034.10	1,033.10	1,033.35
27	1,034.25	1,034.31	1,034.40	1,034.51	1,034.61	1,034.73	1,034.43	---	---	1,034.10	1,033.12	1,033.35
28	1,034.26	1,034.31	1,034.40	1,034.51	1,034.62	1,034.73	1,034.42	---	---	1,034.11	1,033.13	1,033.36
29	1,034.26	1,034.31	1,034.41	1,034.51	1,034.63	1,034.73	1,034.41	---	---	1,034.11	1,033.15	1,033.36
30	1,034.27	1,034.31	1,034.42	1,034.51	1,034.63	1,034.73	1,034.41	---	---	1,034.11	1,033.17	1,033.37
31	---	1,034.31	1,034.42	---	1,034.63	---	1,034.41	---	---	1,034.11	---	1,033.39
Mean	1,034.23	---	1,034.36	---	---	---	1,034.61	---	---	---	---	1,033.29
Max	1,034.27	---	1,034.42	---	---	---	1,034.75	---	---	---	---	1,033.39
Min	1,034.18	---	1,034.31	---	---	---	1,034.41	---	---	---	---	1,033.17

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 38-2; USGS Site number 381527083341601; lat 38°15'27", long 83°34'16";
Altitude of top of sump, 1,053.74 feet above sea level--Continued

June 1985 through May 1986

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	1,033.39	1,033.70	---	1,033.86	1,033.82	1,033.94	1,033.94	1,033.84	1,033.72	1,033.63	1,033.58	1,033.60
2	1,033.39	1,033.70	---	1,033.86	1,033.82	1,033.94	1,033.93	1,033.84	1,033.72	1,033.63	1,033.59	1,033.60
3	1,033.39	1,033.70	---	1,033.87	1,033.82	1,033.94	---	1,033.84	1,033.72	1,033.62	1,033.59	1,033.60
4	1,033.40	1,033.70	---	1,033.89	1,033.82	1,033.94	1,033.89	1,033.83	1,033.72	1,033.62	1,033.59	1,033.60
5	1,033.41	1,033.70	---	1,033.89	1,033.82	1,033.95	1,033.89	1,033.83	1,033.72	1,033.62	1,033.59	1,033.60
6	1,033.41	1,033.71	---	1,033.92	1,033.82	1,033.99	1,033.89	1,033.83	1,033.72	1,033.62	1,033.59	1,033.60
7	1,033.41	---	1,033.83	1,033.92	1,033.82	1,034.01	1,033.89	1,033.83	1,033.72	1,033.62	1,033.59	1,033.60
8	1,033.42	---	1,033.83	1,033.89	1,033.82	1,034.00	1,033.89	1,033.78	1,033.72	1,033.61	1,033.59	1,033.60
9	1,033.42	1,033.73	1,033.83	1,033.89	---	1,033.99	1,033.89	1,033.79	1,033.72	1,033.60	1,033.59	1,033.60
10	1,033.43	1,033.73	1,033.83	1,033.89	---	1,033.99	1,033.89	1,033.79	1,033.72	1,033.59	1,033.59	1,033.60
11	1,033.45	1,033.73	1,033.83	1,033.89	---	1,033.98	1,033.89	1,033.79	1,033.66	1,033.61	1,033.59	1,033.60
12	1,033.54	1,033.73	1,033.83	1,033.88	---	1,033.98	1,033.89	1,033.79	1,033.65	1,033.61	1,033.59	1,033.60
13	1,033.57	1,033.73	1,033.83	1,033.87	---	1,033.97	1,033.89	1,033.79	1,033.65	1,033.61	1,033.59	1,033.61
14	1,033.59	1,033.73	1,033.83	1,033.86	---	1,033.96	1,033.89	1,033.79	1,033.65	1,033.61	1,033.59	1,033.65
15	1,033.59	1,033.73	1,033.84	1,033.85	---	1,033.96	1,033.87	1,033.79	1,033.65	1,033.61	1,033.59	1,033.65
16	1,033.60	1,033.73	1,033.84	1,033.85	---	1,033.96	1,033.87	1,033.79	1,033.65	1,033.61	1,033.59	1,033.65
17	1,033.61	---	1,033.84	1,033.85	1,033.83	1,033.96	1,033.87	1,033.79	1,033.65	1,033.61	1,033.59	1,033.65
18	1,033.62	---	1,033.84	1,033.85	1,033.83	1,033.97	1,033.86	1,033.78	1,033.65	1,033.61	1,033.59	1,033.65
19	1,033.63	---	1,033.84	1,033.85	1,033.83	1,033.97	1,033.85	1,033.78	1,033.65	1,033.61	1,033.59	1,033.65
20	1,033.64	---	1,033.84	1,033.86	1,033.83	1,033.98	1,033.85	1,033.78	1,033.65	1,033.60	1,033.59	1,033.65
21	1,033.64	---	1,033.84	1,033.86	1,033.91	1,033.97	1,033.85	1,033.78	1,033.65	1,033.60	1,033.59	1,033.65
22	1,033.64	---	1,033.84	1,033.86	1,033.95	1,033.96	1,033.85	1,033.78	1,033.64	1,033.60	1,033.59	1,033.65
23	1,033.65	---	1,033.84	1,033.86	1,033.95	1,033.96	1,033.85	1,033.77	1,033.64	1,033.60	1,033.59	1,033.65
24	1,033.65	---	1,033.85	1,033.86	1,033.95	1,033.96	1,033.85	1,033.77	1,033.64	1,033.60	1,033.59	1,033.65
25	1,033.65	---	1,033.86	1,033.86	1,033.95	1,033.96	1,033.85	1,033.77	1,033.64	1,033.60	1,033.59	1,033.65
26	1,033.66	---	1,033.85	1,033.86	1,033.95	1,033.97	1,033.85	1,033.77	1,033.64	1,033.60	1,033.59	1,033.65
27	1,033.69	---	1,033.85	1,033.86	1,033.95	1,033.97	1,033.84	1,033.77	1,033.64	1,033.58	1,033.59	1,033.65
28	1,033.69	---	1,033.85	1,033.84	1,033.94	1,033.96	1,033.84	1,033.77	1,033.63	1,033.58	1,033.59	1,033.65
29	1,033.69	---	1,033.85	1,033.83	1,033.94	1,033.95	1,033.84	1,033.77	---	1,033.58	1,033.59	1,033.66
30	1,033.69	---	1,033.85	1,033.82	1,033.94	1,033.94	1,033.84	1,033.73	---	1,033.58	1,033.59	1,033.66
31	---	---	1,033.86	---	1,033.94	---	1,033.84	1,033.73	---	1,033.58	---	1,033.66
Mean	1,033.55	---	---	1,033.87	---	1,033.97	---	1,033.79	1,033.67	1,033.60	1,033.59	1,033.63
Max	1,033.69	---	---	1,033.92	---	1,034.01	---	1,033.84	1,033.72	1,033.63	1,033.59	1,033.66
Min	1,033.39	---	---	1,033.82	---	1,033.94	---	1,033.73	1,033.63	1,033.58	1,033.58	1,033.60

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 38-2; USGS Site number 381527083341601; lat 38°15'27", long 83°34'16";
Altitude of top of sump, 1,053.74 feet above sea level--Continued

June 1986 through May 1987

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	1,033.67	1,033.76	---	1,034.02	1,034.00	1,034.00	1,034.10	1,034.11	---	1,034.04	1,034.06	1,034.13
2	1,033.67	1,033.76	---	1,034.02	1,034.00	1,034.00	1,034.12	1,034.11	---	1,034.04	1,034.06	1,034.13
3	1,033.67	1,033.77	---	1,034.04	1,033.99	1,034.00	1,034.15	1,034.11	---	1,034.04	1,034.08	1,034.13
4	1,033.67	1,033.77	---	1,034.05	1,034.00	1,034.01	1,034.14	1,034.11	---	1,034.04	1,034.08	1,034.14
5	1,033.67	1,033.78	1,033.94	1,034.05	1,034.00	1,034.02	1,034.12	---	---	1,034.04	1,034.08	1,034.14
6	1,033.67	1,033.79	1,033.91	1,034.05	1,034.00	1,034.02	1,034.12	---	1,034.04	1,034.03	1,034.08	1,034.14
7	1,033.67	1,033.79	1,033.91	1,034.05	1,034.00	1,034.02	1,034.12	---	1,034.04	1,034.03	1,034.08	1,034.14
8	1,033.68	1,033.80	1,033.92	1,034.05	1,033.99	1,034.02	1,034.12	---	1,034.04	1,034.03	1,034.08	1,034.14
9	1,033.68	1,033.80	1,033.92	1,034.05	1,033.98	1,034.03	1,034.12	---	1,034.04	1,034.03	1,034.09	1,034.14
10	1,033.69	1,033.81	1,033.92	1,034.06	1,033.97	1,034.04	1,034.12	---	1,034.03	1,034.03	1,034.09	1,034.14
11	1,033.72	1,033.81	1,033.93	1,034.06	1,033.97	1,034.04	1,034.12	---	1,034.03	1,034.03	1,034.09	1,034.14
12	1,033.72	1,033.81	1,033.95	1,034.07	1,033.97	1,034.04	1,034.12	---	1,034.03	1,034.03	1,034.09	1,034.14
13	1,033.72	1,033.81	1,033.95	1,034.07	1,033.97	1,034.04	1,034.12	---	1,034.02	1,034.03	1,034.09	1,034.14
14	1,033.72	1,033.81	1,033.95	1,034.07	1,033.97	1,034.04	1,034.12	---	1,034.02	1,034.03	1,034.09	1,034.15
15	1,033.72	1,033.81	1,033.95	1,034.07	1,033.98	1,034.04	1,034.12	---	1,034.02	1,034.03	1,034.09	1,034.15
16	1,033.72	1,033.82	1,033.95	1,034.07	1,033.98	1,034.04	1,034.12	---	1,034.02	1,034.03	1,034.09	1,034.15
17	1,033.72	1,033.82	1,033.96	1,034.06	1,033.98	1,034.05	1,034.12	---	1,034.03	1,034.03	1,034.09	1,034.15
18	1,033.72	1,033.83	1,033.96	1,034.05	1,033.98	1,034.05	1,034.12	---	1,034.03	1,034.03	1,034.09	1,034.15
19	1,033.72	1,033.84	1,033.96	1,034.05	1,033.98	1,034.06	1,034.12	---	1,034.03	1,034.03	1,034.09	1,034.15
20	1,033.72	1,033.84	1,033.96	1,034.04	1,033.98	1,034.06	1,034.12	---	1,034.03	1,034.03	1,034.09	1,034.16
21	1,033.73	---	1,033.97	1,034.04	1,033.98	1,034.06	1,034.12	---	1,034.03	1,034.04	1,034.09	1,034.16
22	1,033.73	---	1,033.97	1,034.03	1,033.98	1,034.06	1,034.12	---	1,034.03	1,034.04	1,034.10	1,034.16
23	1,033.73	---	1,033.97	1,034.03	1,033.98	1,034.06	1,034.11	---	1,034.04	1,034.04	1,034.10	1,034.16
24	1,033.76	---	1,033.98	1,034.02	1,033.98	1,034.06	1,034.11	---	1,034.03	1,034.04	1,034.12	1,034.17
25	1,033.76	---	1,033.99	1,034.02	1,033.99	1,034.08	1,034.11	---	1,034.03	1,034.04	1,034.12	1,034.17
26	1,033.76	---	1,033.99	1,034.02	1,033.99	1,034.09	1,034.11	---	1,034.03	1,034.05	1,034.12	1,034.18
27	1,033.76	---	1,034.00	1,034.01	1,033.99	1,034.10	1,034.11	---	1,034.03	1,034.05	1,034.13	1,034.21
28	1,033.76	---	1,034.02	1,034.00	1,033.99	1,034.10	1,034.11	---	1,034.03	1,034.05	1,034.13	1,034.20
29	1,033.76	---	1,034.02	1,034.00	1,033.99	1,034.10	1,034.11	---	---	1,034.05	1,034.13	1,034.20
30	1,033.76	---	1,034.02	1,034.00	1,033.99	1,034.10	1,034.11	---	---	1,034.05	1,034.13	1,034.20
31	---	---	1,034.02	---	1,033.99	---	1,034.11	---	---	1,034.06	---	1,034.20
Mean	1,033.71	---	---	1,034.04	1,033.99	1,034.05	1,034.12	---	---	1,034.04	1,034.09	1,034.16
Max	1,033.76	---	---	1,034.07	1,034.00	1,034.10	1,034.15	---	---	1,034.06	1,034.13	1,034.21
Min	1,033.67	---	---	1,034.00	1,033.97	1,034.00	1,034.10	---	---	1,034.03	1,034.06	1,034.13

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 38-2; USGS Site number 381527083341601; lat 38°15'27", long 83°34'16";
Altitude of top of sump, 1,053.74 feet above sea level--Continued

June 1987 through May 1988

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	1,034.20	1,034.32	1,034.67	1,034.77	1,034.82	1,034.84	1,034.85	1,035.03	---	---	1,035.21	1,035.23
2	1,034.20	1,034.33	1,034.67	1,034.77	1,034.82	1,034.84	1,034.85	1,035.03	---	---	1,035.21	1,035.23
3	1,034.20	1,034.33	1,034.68	1,034.77	1,034.82	1,034.84	1,034.85	1,035.03	---	---	1,035.21	1,035.23
4	1,034.21	1,034.34	1,034.68	1,034.77	1,034.82	1,034.84	1,034.85	1,035.04	---	---	1,035.21	1,035.23
5	1,034.21	1,034.40	1,034.68	1,034.77	1,034.82	1,034.84	1,034.85	1,035.04	---	---	1,035.21	1,035.23
6	1,034.21	1,034.42	1,034.68	1,034.77	1,034.82	1,034.84	1,034.85	1,035.04	---	---	1,035.22	1,035.23
7	1,034.21	1,034.43	1,034.69	1,034.77	1,034.82	1,034.84	1,034.85	1,035.04	---	---	1,035.22	1,035.23
8	1,034.21	1,034.43	1,034.69	1,034.77	1,034.82	1,034.84	1,034.85	1,035.05	---	---	1,035.22	1,035.23
9	1,034.23	1,034.44	1,034.69	1,034.78	1,034.82	1,034.84	1,034.85	1,035.05	---	---	1,035.22	1,035.24
10	1,034.23	1,034.45	1,034.70	1,034.78	1,034.82	1,034.84	1,034.85	1,035.05	---	---	1,035.22	1,035.24
11	1,034.23	1,034.46	1,034.70	1,034.78	1,034.82	1,034.84	1,034.85	1,035.05	---	---	1,035.22	1,035.24
12	1,034.24	1,034.50	1,034.71	1,034.78	1,034.82	1,034.84	1,034.85	1,035.06	---	---	1,035.21	1,035.24
13	1,034.24	1,034.52	1,034.71	1,034.78	1,034.82	1,034.84	1,034.85	1,035.07	1,035.17	1,035.17	1,035.21	1,035.24
14	1,034.24	1,034.55	1,034.71	1,034.78	1,034.82	1,034.84	1,034.85	1,035.07	---	1,035.17	1,035.21	1,035.24
15	1,034.25	1,034.57	1,034.72	1,034.79	1,034.82	1,034.84	1,034.87	1,035.07	---	1,035.17	1,035.21	1,035.24
16	1,034.25	1,034.58	1,034.72	1,034.79	1,034.82	1,034.84	1,034.87	1,035.07	---	1,035.17	1,035.21	1,035.25
17	1,034.25	1,034.59	1,034.73	1,034.80	1,034.82	1,034.84	1,034.87	1,035.07	---	1,035.19	1,035.21	1,035.25
18	1,034.25	1,034.59	1,034.73	1,034.80	1,034.82	1,034.84	1,034.87	1,035.08	---	1,035.19	1,035.22	1,035.25
19	1,034.26	1,034.60	1,034.73	1,034.80	1,034.82	1,034.84	1,034.87	1,035.08	---	1,035.19	1,035.22	1,035.25
20	1,034.27	1,034.60	1,034.73	1,034.80	1,034.83	1,034.84	1,034.87	1,035.09	---	1,035.19	1,035.22	1,035.25
21	1,034.27	1,034.61	1,034.73	1,034.80	1,034.83	1,034.84	1,034.87	1,035.10	---	1,035.19	1,035.22	1,035.25
22	1,034.27	1,034.62	1,034.74	1,034.80	1,034.83	1,034.84	1,034.87	1,035.11	---	1,035.19	1,035.22	1,035.25
23	1,034.30	1,034.62	1,034.74	1,034.80	1,034.83	1,034.84	1,034.87	1,035.11	---	1,035.21	1,035.22	1,035.25
24	1,034.31	1,034.62	1,034.74	1,034.80	1,034.83	1,034.84	1,034.87	1,035.11	---	1,035.21	1,035.23	1,035.26
25	1,034.31	1,034.63	1,034.74	1,034.81	1,034.83	1,034.84	1,034.88	1,035.11	---	1,035.21	1,035.23	1,035.26
26	1,034.31	1,034.64	1,034.75	1,034.81	1,034.83	1,034.85	1,034.98	1,035.11	---	1,035.21	1,035.23	1,035.26
27	1,034.32	1,034.65	1,034.75	1,034.81	1,034.83	1,034.85	1,035.00	1,035.11	---	1,035.21	1,035.23	1,035.26
28	1,034.32	1,034.66	1,034.75	1,034.81	1,034.83	1,034.85	1,035.02	1,035.11	---	1,035.21	1,035.23	1,035.26
29	1,034.32	1,034.66	1,034.76	1,034.82	1,034.84	1,034.85	1,035.03	1,035.11	---	1,035.21	1,035.23	1,035.26
30	1,034.32	1,034.66	1,034.76	1,034.82	1,034.84	1,034.85	1,035.03	1,035.11	---	1,035.21	1,035.23	1,035.26
31	---	1,034.66	1,034.76	---	1,034.84	---	1,035.03	1,035.11	---	1,035.21	---	1,035.27
Mean	1,034.25	1,034.53	1,034.72	1,034.79	1,034.82	1,034.84	1,034.89	1,035.07	---	---	1,035.22	1,035.25
Max	1,034.32	1,034.66	1,034.76	1,034.82	1,034.84	1,034.85	1,035.03	1,035.11	---	---	1,035.23	1,035.27
Min	1,034.20	1,034.32	1,034.67	1,034.77	1,034.82	1,034.84	1,034.85	1,035.03	---	---	1,035.21	1,035.23

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 38-2; USGS Site number 381527083341601; lat 38°15'27", long 83°34'16";
Altitude of top of sump, 1,053.74 feet above sea level--Continued

June 1988 through April 1989

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
1	1,035.27	1,035.30	1,035.85	1,036.10	---	1,036.43	1,036.46	---	1,036.57	1,036.80	---
2	1,035.27	1,035.30	1,035.86	---	---	1,036.43	1,036.46	---	1,036.57	1,036.80	---
3	1,035.27	1,035.30	1,035.88	---	---	1,036.43	1,036.46	---	1,036.61	1,036.80	---
4	1,035.27	1,035.30	1,035.88	---	1,036.36	1,036.44	1,036.46	---	1,036.60	1,036.81	---
5	1,035.27	1,035.30	1,035.89	---	1,036.36	1,036.46	1,036.46	1,036.54	1,036.60	1,036.81	---
6	1,035.27	1,035.30	1,035.89	---	1,036.36	1,036.48	1,036.46	1,036.54	1,036.59	1,036.81	---
7	1,035.27	1,035.30	1,035.89	---	1,036.36	1,036.48	1,036.46	1,036.55	1,036.59	1,036.84	---
8	1,035.27	1,035.30	1,035.90	---	1,036.36	1,036.48	1,036.46	1,036.57	1,036.59	1,036.83	---
9	1,035.27	1,035.31	1,035.90	---	1,036.36	1,036.48	1,036.46	1,036.56	1,036.59	1,036.83	---
10	1,035.27	1,035.31	1,035.91	---	1,036.37	1,036.48	1,036.46	1,036.56	1,036.59	1,036.83	---
11	1,035.27	1,035.31	1,035.91	---	1,036.37	1,036.48	1,036.46	1,036.56	1,036.59	1,036.83	---
12	1,035.27	1,035.35	1,035.91	---	1,036.37	1,036.48	1,036.46	1,036.57	1,036.59	1,036.83	---
13	1,035.27	1,035.38	1,035.92	---	1,036.37	1,036.49	---	1,036.57	1,036.59	1,036.83	---
14	1,035.27	1,035.39	1,035.92	---	1,036.37	1,036.49	---	1,036.57	---	1,036.83	---
15	1,035.27	1,035.39	1,035.92	---	1,036.37	1,036.49	---	1,036.60	---	1,036.83	---
16	1,035.28	1,035.39	1,035.93	---	1,036.37	1,036.49	---	1,036.60	1,036.79	---	---
17	1,035.28	1,035.40	1,035.93	---	1,036.37	1,036.50	---	1,036.59	1,036.78	---	---
18	1,035.28	1,035.41	1,035.93	---	1,036.38	1,036.49	---	1,036.58	1,036.78	---	---
19	1,035.28	1,035.61	1,035.95	---	1,036.38	1,036.50	---	1,036.57	1,036.78	---	---
20	1,035.28	1,035.79	1,035.95	---	1,036.38	1,036.54	---	1,036.56	1,036.78	---	---
21	1,035.28	1,035.81	1,035.98	---	1,036.38	1,036.56	---	1,036.56	1,036.80	---	---
22	1,035.28	1,035.82	1,035.99	---	1,036.41	1,036.56	---	1,036.56	1,036.80	---	---
23	1,035.28	1,035.82	1,036.00	---	1,036.43	1,036.56	---	1,036.56	1,036.80	---	---
24	1,035.28	1,035.82	---	---	1,036.45	1,036.58	---	1,036.56	1,036.80	---	---
25	1,035.28	1,035.82	---	---	1,036.44	1,036.59	---	1,036.56	1,036.80	---	---
26	1,035.29	1,035.83	---	---	1,036.44	1,036.60	---	1,036.56	1,036.81	---	---
27	1,035.29	1,035.83	---	---	1,036.44	1,036.60	---	1,036.56	1,036.81	---	---
28	1,035.28	1,035.84	---	---	1,036.44	1,036.61	---	1,036.56	1,036.81	---	---
29	1,035.30	1,035.84	---	---	1,036.43	1,036.60	---	1,036.56	---	---	---
30	1,035.30	1,035.84	---	---	1,036.43	1,036.60	---	1,036.56	---	---	---
31	---	1,035.84	---	---	1,036.43	---	---	1,036.56	---	---	---
Mean	1,035.28	1,035.53	---	---	---	1,036.51	---	---	---	---	---
Max	1,035.30	1,035.84	---	---	---	1,036.61	---	---	---	---	---
Min	1,035.27	1,035.30	---	---	---	1,036.43	---	---	---	---	---

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 1S; USGS Site number 381533083341501; lat 38°15'33", long 83°34'15";
Altitude of top of sump, 1,056.20 feet above sea level

June 1984 through May 1985

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	1,045.23	1,045.15	---	1,045.26	1,045.51	1,045.76	1,045.77	1,045.74	---	1,045.42	1,045.50	1,045.49
2	1,045.22	1,045.15	---	1,045.26	1,045.51	1,045.84	1,045.77	1,045.74	---	1,045.42	1,045.51	1,045.49
3	1,045.22	1,045.15	---	1,045.26	1,045.51	1,045.76	1,045.77	1,045.74	---	1,045.42	1,045.51	1,045.49
4	1,045.22	1,045.15	---	1,045.26	1,045.51	1,045.76	1,045.73	1,045.74	---	1,045.42	1,045.51	1,045.49
5	1,045.21	1,045.15	---	1,045.26	1,045.51	1,045.76	1,045.69	1,045.74	---	1,045.42	1,045.51	1,045.49
6	1,045.21	1,045.15	---	1,045.26	1,045.51	1,045.76	1,045.68	1,045.74	---	1,045.42	1,045.51	1,045.49
7	1,045.21	---	---	1,045.26	1,045.51	1,045.76	1,045.68	1,045.74	1,045.44	1,045.42	1,045.51	1,045.48
8	1,045.20	1,045.15	---	1,045.26	1,045.51	1,045.76	1,045.68	1,045.74	1,045.44	1,045.42	1,045.51	1,045.48
9	1,045.19	1,045.15	1,045.23	1,045.26	1,045.51	1,045.74	1,045.68	1,045.74	1,045.44	1,045.42	1,045.51	1,045.48
10	1,045.18	1,045.15	1,045.23	1,045.26	1,045.51	1,045.87	1,045.68	1,045.74	1,045.44	1,045.42	1,045.51	1,045.48
11	1,045.17	1,045.15	1,045.26	1,045.30	1,045.54	1,045.86	1,045.67	1,045.74	1,045.44	1,045.42	1,045.51	1,045.48
12	1,045.17	1,045.15	1,045.26	1,045.30	1,045.54	1,045.80	1,045.67	1,045.73	1,045.44	1,045.43	1,045.51	1,045.48
13	1,045.16	1,045.15	1,045.26	1,045.32	1,045.54	1,045.80	1,045.67	1,045.72	1,045.44	1,045.43	1,045.51	1,045.48
14	1,045.16	1,045.15	1,045.26	1,045.36	1,045.54	1,045.80	1,045.67	1,045.72	1,045.44	1,045.43	1,045.51	1,045.48
15	1,045.16	1,045.15	1,045.26	1,045.40	1,045.54	1,045.77	1,045.67	1,045.72	1,045.44	1,045.43	1,045.50	1,045.51
16	1,045.16	1,045.15	1,045.26	1,045.41	1,045.54	1,045.77	1,045.67	1,045.72	1,045.44	1,045.43	1,045.50	1,045.54
17	1,045.16	1,045.15	1,045.26	1,045.41	1,045.54	1,045.77	1,045.67	1,045.71	1,045.44	1,045.43	1,045.50	1,045.60
18	1,045.16	1,045.15	1,045.26	1,045.41	1,045.54	1,045.77	1,045.67	1,045.69	1,045.44	1,045.42	1,045.50	1,045.62
19	1,045.16	1,045.15	1,045.26	1,045.41	1,045.51	1,045.86	1,045.67	1,045.67	1,045.44	1,045.42	1,045.50	1,045.63
20	1,045.16	1,045.15	1,045.26	1,045.41	1,045.51	1,045.83	1,045.67	1,045.65	1,045.44	1,045.42	1,045.50	1,045.64
21	1,045.16	1,045.15	1,045.26	1,045.42	1,045.54	1,045.78	1,045.75	1,045.62	1,045.44	1,045.42	1,045.50	1,045.63
22	1,045.16	1,045.15	1,045.26	1,045.43	1,045.63	1,045.78	1,045.81	---	1,045.44	1,045.43	1,045.50	1,045.65
23	1,045.16	1,045.15	1,045.26	1,045.44	1,045.70	1,045.78	1,045.80	---	1,045.44	1,045.43	1,045.50	1,045.75
24	1,045.16	1,045.15	1,045.26	1,045.46	1,045.70	1,045.78	1,045.80	---	1,045.44	1,045.43	1,045.50	1,045.82
25	1,045.16	1,045.15	1,045.26	1,045.49	1,045.70	1,045.78	1,045.75	---	1,045.44	1,045.43	1,045.50	1,045.87
26	1,045.16	1,045.15	1,045.26	1,045.50	1,045.70	1,045.78	1,045.75	---	1,045.44	1,045.43	1,045.50	1,045.85
27	1,045.15	---	1,045.26	1,045.50	1,045.70	1,045.77	1,045.75	---	1,045.44	1,045.43	1,045.50	1,045.81
28	1,045.15	---	1,045.26	1,045.50	1,045.70	1,045.72	1,045.75	---	1,045.43	1,045.43	1,045.50	1,045.81
29	1,045.15	---	1,045.26	1,045.50	1,045.84	1,045.77	1,045.75	---	---	1,045.44	1,045.50	1,045.81
30	1,045.15	---	1,045.26	1,045.50	1,045.76	1,045.77	1,045.75	---	---	1,045.45	1,045.49	1,045.81
31	---	---	1,045.26	---	1,045.76	---	1,045.75	---	---	1,045.49	---	1,045.80
Mean	1,045.18	---	---	1,045.37	1,045.59	1,045.78	1,045.72	---	---	1,045.43	1,045.50	1,045.61
Max	1,045.23	---	---	1,045.50	1,045.84	1,045.87	1,045.81	---	---	1,045.49	1,045.51	1,045.87
Min	1,045.15	---	---	1,045.26	1,045.51	1,045.72	1,045.67	---	---	1,045.42	1,045.49	1,045.48

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 1S; USGS Site number 381533083341501; lat 38°15'33", long 83°34'15";
Altitude of top of sump, 1,056.20 feet above sea level--Continued

June 1985 through May 1986

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	1,045.78	1,045.76	1,045.97	1,045.92	1,045.76	1,045.85	1,045.95	---	1,045.55	1,045.85	1,045.90	1,045.78
2	1,045.78	1,045.83	1,045.94	1,045.92	1,045.76	1,045.85	1,045.95	---	1,045.53	1,045.84	1,045.90	1,045.78
3	1,046.02	1,045.81	1,045.94	1,045.92	1,045.75	1,045.85	1,045.94	---	1,045.53	1,045.83	1,045.90	1,045.78
4	1,045.89	1,045.80	1,045.94	1,045.92	1,045.73	1,045.98	1,045.88	---	1,045.62	1,045.82	1,045.90	1,045.78
5	1,045.89	1,045.81	1,045.93	1,045.92	1,045.73	1,045.98	1,045.88	---	1,045.71	1,045.82	1,045.88	1,045.76
6	1,045.88	1,045.81	1,045.90	1,045.86	1,045.72	1,046.08	1,045.88	---	1,045.73	1,045.80	1,045.88	1,045.75
7	1,045.88	1,045.81	1,045.85	1,045.86	---	1,046.08	1,045.88	---	1,045.72	1,045.79	1,045.88	1,045.75
8	1,045.88	1,045.81	1,045.83	1,045.86	---	1,046.08	1,045.88	1,045.47	1,045.78	1,045.77	1,045.87	1,045.75
9	1,045.87	1,045.81	1,045.83	1,045.86	---	1,046.08	1,045.82	1,045.45	1,045.77	1,045.76	1,045.87	1,045.75
10	1,045.90	1,045.81	1,045.83	1,045.86	---	1,046.07	1,045.79	1,045.45	1,045.77	1,045.75	1,045.87	1,045.75
11	1,045.92	1,045.93	1,045.82	1,045.84	---	1,046.07	1,045.75	1,045.44	1,045.77	1,045.73	1,045.86	1,045.75
12	1,045.90	1,045.92	1,045.82	1,045.82	---	1,046.07	1,045.75	1,045.43	1,045.77	1,045.73	1,045.86	1,045.75
13	1,045.87	1,045.92	1,045.82	1,045.82	---	1,046.02	1,045.75	1,045.42	1,045.77	1,045.92	1,045.85	1,045.75
14	1,045.87	1,045.90	1,045.82	1,045.81	---	1,045.99	1,045.81	1,045.40	1,045.77	1,045.95	1,045.85	1,045.75
15	1,045.87	1,045.90	1,045.81	1,045.80	---	1,045.99	1,045.81	1,045.39	1,045.76	1,045.95	1,045.83	1,045.94
16	1,045.87	1,045.89	1,045.79	1,045.79	---	1,045.99	1,045.80	1,045.38	1,045.76	1,045.94	1,045.82	1,045.94
17	1,045.86	1,045.89	1,045.79	1,045.79	1,045.63	1,045.99	1,045.79	1,045.37	1,045.99	1,045.94	1,045.81	1,045.91
18	1,045.81	1,045.89	1,045.79	1,045.79	1,045.63	1,045.99	1,045.79	1,045.36	1,045.97	1,045.94	1,045.81	1,045.91
19	1,045.81	1,045.83	1,045.77	1,045.79	1,045.63	1,045.99	1,045.79	1,045.36	1,045.96	1,045.94	1,045.81	1,045.90
20	1,045.80	1,045.83	1,045.76	1,045.79	1,045.63	1,045.99	1,045.79	1,045.42	1,045.91	1,045.98	1,045.81	1,045.87
21	1,045.80	1,045.80	1,045.76	1,045.79	1,046.46	1,045.99	1,045.79	1,045.43	1,045.90	1,045.97	1,045.81	1,045.87
22	1,045.79	1,045.94	1,045.75	1,045.79	1,046.00	1,045.99	1,045.79	1,045.57	1,045.90	1,045.97	1,045.81	1,045.86
23	1,045.76	1,045.93	1,045.78	1,045.79	1,046.00	1,045.99	1,045.79	1,045.58	1,045.90	1,045.96	1,045.79	1,045.86
24	1,045.76	1,045.92	1,045.91	1,045.79	1,045.97	1,045.99	1,045.79	1,045.59	1,045.88	1,045.96	1,045.79	1,045.86
25	1,045.76	1,045.92	1,046.00	1,045.79	1,045.97	1,045.99	1,045.79	1,045.59	1,045.87	1,045.95	1,045.79	1,045.82
26	1,045.76	1,045.91	1,045.95	1,045.79	1,045.97	1,045.99	1,045.79	1,045.59	1,045.86	1,045.95	1,045.79	1,045.81
27	1,045.76	1,045.90	1,045.92	1,045.78	1,045.97	1,045.99	1,045.79	1,045.58	1,045.86	1,045.93	1,045.78	1,045.82
28	1,045.76	1,045.90	1,045.92	1,045.77	1,045.97	1,045.88	1,045.79	1,045.57	1,045.85	1,045.93	1,045.78	1,046.06
29	1,045.76	1,045.89	1,045.92	1,045.77	1,045.97	1,045.96	---	1,045.56	---	1,045.92	1,045.78	1,046.10
30	1,045.76	1,045.87	1,046.15	1,045.77	1,045.96	1,045.96	---	1,045.56	---	1,045.92	1,045.78	1,046.18
31	---	1,046.13	1,045.93	---	1,045.97	---	---	1,045.56	---	1,045.91	---	1,046.17
Mean	1,045.83	1,045.87	1,045.87	1,045.83	---	1,045.99	---	---	1,045.79	1,045.88	1,045.84	1,045.85
Max	1,046.02	1,046.13	1,046.15	1,045.92	---	1,046.08	---	---	1,045.99	1,045.98	1,045.90	1,046.18
Min	1,045.76	1,045.76	1,045.75	1,045.77	---	1,045.85	---	---	1,045.53	1,045.73	1,045.78	1,045.75

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 1S; USGS Site number 381533083341501; lat 38°15'33", long 83°34'15";
Altitude of top of sump, 1,056.20 feet above sea level--Continued

June 1986 through May 1987

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	1,046.15	1,045.87	1,045.98	1,045.93	1,046.08	1,045.88	1,046.07	1,046.12	1,045.95	1,046.19	1,045.88	1,045.88
2	1,046.15	1,047.36	1,045.98	1,045.93	1,046.06	1,045.88	1,046.26	1,046.11	1,045.94	1,046.18	1,045.88	1,045.87
3	1,046.10	1,046.17	1,045.98	1,045.92	1,046.03	1,045.87	1,046.13	1,046.05	1,045.95	1,046.17	1,045.88	1,045.87
4	1,046.10	1,046.12	1,045.96	1,045.91	1,046.03	1,045.83	1,046.13	1,046.05	1,045.94	1,046.13	1,045.89	1,045.87
5	1,046.10	1,046.11	1,045.93	1,045.91	1,046.13	1,045.83	1,046.12	---	1,045.92	1,046.12	1,045.89	1,045.87
6	1,046.08	1,046.10	1,045.91	1,045.91	1,046.10	1,046.09	1,046.12	---	1,045.90	1,046.09	1,045.89	1,045.86
7	1,046.07	1,046.09	1,045.91	1,045.90	1,046.10	1,046.07	1,046.12	1,045.92	1,045.90	1,045.96	1,045.89	1,045.86
8	1,046.20	1,046.09	1,045.91	1,045.90	1,046.09	1,046.27	1,046.12	1,045.92	1,045.89	1,045.96	1,045.89	1,045.85
9	1,046.17	1,046.09	1,045.91	1,045.90	1,046.08	1,046.14	1,046.23	1,045.91	1,045.88	1,045.95	1,045.88	1,045.83
10	1,046.15	1,046.03	1,045.91	1,045.90	1,046.08	1,046.09	1,046.24	1,045.91	1,045.87	1,045.93	1,045.88	1,045.82
11	1,046.18	1,046.03	1,046.05	1,045.90	1,046.08	1,046.24	1,046.23	1,045.89	1,045.83	1,045.91	1,045.88	1,045.81
12	1,046.06	1,046.03	1,046.05	1,046.10	1,046.08	1,046.14	1,046.21	1,045.87	1,045.82	1,045.90	1,045.88	1,045.80
13	1,046.06	1,046.03	1,046.05	1,046.06	1,046.08	1,046.12	1,046.18	1,045.85	1,045.80	1,045.89	1,045.87	1,045.80
14	1,046.06	1,046.03	1,046.05	1,046.06	1,046.08	1,046.10	1,046.17	---	1,045.78	1,045.87	1,045.87	1,045.79
15	1,046.06	1,046.03	1,046.04	1,046.06	1,046.08	1,046.09	1,046.15	---	1,045.77	1,045.86	1,045.92	1,045.79
16	1,046.05	1,046.03	1,046.04	1,046.05	1,046.08	1,046.09	1,046.14	1,045.82	1,045.74	1,045.86	1,045.96	1,045.79
17	1,046.05	1,046.01	1,046.04	1,046.03	1,046.08	1,046.08	1,046.14	1,045.81	1,045.74	1,045.86	1,045.96	1,045.79
18	1,046.05	1,046.01	1,046.04	1,046.08	1,046.08	1,046.07	1,046.14	1,045.78	1,045.74	1,045.85	1,045.96	1,045.78
19	1,046.04	1,046.01	1,046.02	1,046.08	1,046.00	1,046.04	1,046.12	1,045.98	1,045.74	1,045.84	1,045.95	1,045.77
20	1,046.02	1,046.01	1,046.01	1,046.08	1,045.99	1,046.03	1,046.12	1,046.13	1,045.73	1,045.85	1,045.95	1,045.77
21	1,046.02	1,046.01	1,046.01	1,046.08	1,045.99	1,046.02	1,046.12	1,046.11	1,045.74	1,045.85	1,045.94	1,046.20
22	1,046.02	1,046.01	1,046.00	1,046.08	1,045.99	1,046.00	1,046.12	1,046.10	1,045.86	1,045.84	1,045.92	1,046.13
23	1,046.02	1,046.01	1,045.99	1,046.07	1,045.99	1,046.00	1,046.03	1,046.10	1,046.02	1,045.84	1,045.91	1,046.09
24	1,045.95	1,046.01	1,045.98	1,046.07	1,045.98	1,045.99	1,046.06	1,046.05	1,046.01	1,045.82	1,045.91	1,046.07
25	1,045.95	1,046.01	1,045.97	1,046.05	1,045.98	1,045.98	1,046.17	1,046.03	1,046.00	1,045.82	1,045.90	1,046.36
26	1,045.95	1,046.00	1,045.97	1,046.04	1,045.98	1,046.24	1,046.17	1,046.00	1,045.98	1,045.82	1,045.89	1,046.18
27	1,045.95	1,046.00	1,045.96	1,046.03	1,045.98	1,046.13	1,046.16	1,045.98	1,045.95	1,045.78	1,045.89	1,046.15
28	1,045.95	1,046.00	1,045.96	1,046.14	1,045.98	1,046.10	1,046.15	1,045.96	1,046.16	1,045.76	1,045.87	1,046.08
29	1,045.87	1,046.00	1,045.96	1,046.10	1,045.93	1,046.10	1,046.15	1,045.92	---	1,045.74	1,045.87	1,046.07
30	1,045.87	1,045.99	1,045.95	1,046.08	1,045.92	1,046.08	1,046.13	1,045.96	---	1,045.80	1,045.88	1,046.07
31	---	1,045.98	1,045.95	---	1,045.92	---	1,046.12	1,045.96	---	1,045.88	---	1,046.01
Mean	1,046.05	1,046.07	1,045.98	1,046.01	1,046.03	1,046.05	1,046.15	---	1,045.88	1,045.91	1,045.90	1,045.93
Max	1,046.20	1,047.36	1,046.05	1,046.14	1,046.13	1,046.27	1,046.26	---	1,046.16	1,046.19	1,045.96	1,046.36
Min	1,045.87	1,045.87	1,045.91	1,045.90	1,045.92	1,045.83	1,046.03	---	1,045.73	1,045.74	1,045.87	1,045.77

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 1S; USGS Site number 381533083341501; lat 38°15'33", long 83°34'15";
Altitude of top of sump, 1,056.20 feet above sea level--Continued

June 1987 through May 1988

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	1,046.01	1,046.16	1,046.08	1,046.09	1,045.89	1,045.50	1,045.48	1,046.09	1,045.89	1,045.81	1,045.36	1,045.48
2	1,045.98	1,046.15	1,046.07	1,046.09	1,045.89	1,045.50	1,045.47	1,046.08	1,045.92	1,045.78	1,045.36	1,045.47
3	1,045.97	1,046.71	1,046.07	1,046.08	1,045.89	1,045.49	1,045.43	1,046.03	1,045.97	1,045.78	1,045.39	1,045.45
4	1,045.95	1,046.30	1,046.07	1,046.08	1,045.88	1,045.49	1,045.42	1,046.05	1,045.97	1,045.85	1,045.45	1,045.44
5	1,045.94	1,046.55	1,046.09	1,046.07	1,045.87	1,045.49	1,045.41	1,046.01	1,045.96	1,045.91	1,045.47	1,045.48
6	1,045.92	1,046.34	1,046.09	1,046.03	1,045.85	1,045.46	1,045.38	1,045.99	1,045.94	1,045.88	1,045.49	1,045.47
7	1,045.92	1,046.27	1,046.08	1,046.05	1,045.85	1,045.46	1,045.35	1,045.97	1,045.91	1,045.84	1,045.55	1,045.47
8	1,045.92	1,046.23	1,046.08	1,046.05	1,045.84	1,045.42	1,045.33	1,045.96	1,045.91	1,045.80	1,045.55	1,045.46
9	1,045.83	1,046.21	1,046.08	1,046.03	1,045.82	1,045.41	1,045.33	1,045.94	1,045.89	1,045.77	1,045.54	1,045.45
10	1,045.95	1,046.44	1,046.12	1,046.03	1,045.81	1,045.50	1,045.30	1,045.92	1,045.87	1,045.75	1,045.51	1,045.45
11	1,045.94	1,046.30	1,046.12	1,046.01	1,045.79	1,045.57	1,045.26	1,045.90	1,045.85	1,045.72	1,045.48	1,045.44
12	1,045.94	1,046.45	1,046.12	1,046.01	1,045.77	1,045.57	1,045.26	1,045.88	1,045.87	1,045.69	1,045.48	1,045.40
13	1,046.02	1,046.36	1,046.12	1,046.00	1,045.77	1,045.56	1,045.24	1,045.86	1,045.88	1,045.69	1,045.47	1,045.40
14	1,046.02	1,046.44	1,046.11	1,046.03	1,045.74	1,045.56	1,045.23	1,045.83	1,045.87	1,045.67	1,045.45	1,045.40
15	1,046.01	1,046.34	1,046.11	1,046.02	1,045.74	1,045.53	1,045.38	1,045.83	1,045.87	1,045.65	1,045.43	1,045.39
16	1,046.01	1,046.29	1,046.10	1,046.02	1,045.72	1,045.52	1,045.62	1,045.81	1,045.90	1,045.62	1,045.42	1,045.38
17	1,046.15	1,046.28	1,046.09	1,046.02	1,045.72	1,045.50	1,045.58	1,045.80	1,045.89	1,045.51	1,045.40	1,045.37
18	1,046.15	1,046.25	1,046.09	1,046.02	1,045.71	1,045.50	1,045.54	1,045.92	1,045.88	1,045.51	1,045.60	1,045.36
19	1,046.15	1,046.23	1,046.08	1,046.01	1,045.69	1,045.50	1,045.50	1,045.94	1,045.86	1,045.50	1,045.75	1,045.36
20	1,046.11	1,046.22	1,046.07	1,046.00	1,045.69	1,045.49	1,045.48	1,046.09	1,045.87	1,045.48	1,045.73	1,045.34
21	1,046.11	1,046.20	1,046.06	1,045.98	1,045.69	1,045.47	1,045.50	1,046.02	1,045.88	1,045.47	1,045.69	1,045.33
22	1,046.09	1,046.19	1,046.05	1,045.96	1,045.69	1,045.43	1,045.49	1,046.02	1,045.87	1,045.44	1,045.68	1,045.31
23	1,046.08	1,046.18	1,046.23	1,045.95	1,045.68	1,045.42	1,045.46	1,046.01	1,045.94	1,045.43	1,045.65	1,045.31
24	1,046.07	1,046.17	1,046.22	1,045.94	1,045.62	1,045.39	1,045.43	1,045.99	1,045.94	1,045.41	1,045.63	1,045.32
25	1,046.07	1,046.15	1,046.22	1,045.93	1,045.62	1,045.43	1,046.10	1,045.99	1,045.93	1,045.41	1,045.60	1,045.32
26	1,046.41	1,046.13	1,046.22	1,045.91	1,045.62	1,045.43	1,046.31	1,045.95	1,045.91	1,045.40	1,045.59	1,045.31
27	1,046.25	1,046.13	1,046.21	1,045.90	1,045.57	1,045.42	1,046.13	1,045.95	1,045.88	1,045.40	1,045.56	1,045.31
28	1,046.21	1,046.12	1,046.19	1,045.90	1,045.54	1,045.41	1,046.12	1,045.92	1,045.87	1,045.39	1,045.54	1,045.29
29	1,046.20	1,046.09	1,046.18	1,045.88	1,045.54	1,045.48	1,046.12	1,045.90	1,045.82	1,045.38	1,045.52	1,045.28
30	1,046.17	1,046.09	---	1,045.88	1,045.53	1,045.48	1,046.06	1,045.87	---	1,045.36	1,045.51	1,045.28
31	---	1,046.08	---	---	1,045.50	---	1,046.04	1,045.86	---	1,045.35	---	1,045.27
Mean	1,046.05	1,046.26	---	1,046.00	1,045.73	1,045.48	1,045.57	1,045.95	1,045.90	1,045.60	1,045.53	1,045.38
Max	1,046.41	1,046.71	---	1,046.09	1,045.89	1,045.57	1,046.31	1,046.09	1,045.97	1,045.91	1,045.75	1,045.48
Min	1,045.83	1,046.08	---	1,045.88	1,045.50	1,045.39	1,045.23	1,045.80	1,045.82	1,045.35	1,045.36	1,045.27

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 1S; USGS Site number 381533083341501; lat 38°15'33", long 83°34'15";
Altitude of top of sump, 1,056.20 feet above sea level--Continued

June 1988 through April 1989

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
1	1,045.27	1,045.04	1,045.82	1,045.88	1,045.73	1,045.52	1,045.84	1,045.77	1,045.63	1,045.33	1,045.24
2	1,045.26	1,045.04	1,045.82	1,045.88	1,045.72	1,045.44	1,045.84	1,045.77	1,045.63	1,045.31	1,045.24
3	1,045.26	1,045.03	1,045.81	1,046.51	1,045.72	1,045.43	1,045.83	1,045.75	1,045.61	1,045.31	1,045.24
4	1,045.26	1,045.03	1,045.81	1,046.15	1,045.78	1,045.43	1,045.81	1,045.74	1,045.61	1,045.30	1,045.24
5	1,045.25	1,045.02	1,045.81	1,046.08	1,045.78	1,045.48	1,045.78	1,045.70	1,045.58	1,045.30	1,045.24
6	1,045.25	1,045.00	1,045.81	1,046.06	1,045.77	1,045.48	1,045.77	1,045.80	1,045.58	1,045.30	1,045.24
7	1,045.24	1,045.00	1,045.80	1,046.04	1,045.77	1,045.47	1,045.77	1,045.80	1,045.56	1,045.30	1,045.24
8	1,045.23	1,045.00	1,045.79	1,046.03	1,045.76	1,045.47	1,045.73	1,045.84	1,045.54	1,045.30	1,045.24
9	1,045.19	1,044.99	1,045.77	1,046.03	1,045.74	1,045.47	1,045.73	1,045.83	1,045.51	1,045.29	1,045.24
10	1,045.19	1,044.99	1,045.76	1,046.00	1,045.74	1,045.53	1,045.72	1,045.81	1,045.48	1,045.26	1,045.23
11	1,045.19	1,044.99	1,045.75	1,045.99	1,045.74	1,045.58	1,045.69	1,045.78	1,045.47	1,045.26	1,045.23
12	1,045.18	1,045.00	1,045.73	1,045.97	1,045.73	1,045.58	1,045.69	1,045.86	1,045.46	1,045.26	1,045.23
13	1,045.18	1,045.00	1,045.72	1,045.97	1,045.71	1,045.58	1,045.65	1,045.90	1,045.44	1,045.26	---
14	1,045.16	1,045.00	1,045.71	1,045.95	1,045.70	1,045.58	1,045.65	---	1,045.42	1,045.26	---
15	1,045.15	1,044.99	1,045.70	1,045.95	1,045.70	1,045.57	1,045.62	---	1,045.42	1,045.26	---
16	1,045.14	1,044.99	1,045.67	1,045.93	1,045.68	1,045.57	1,045.62	---	1,045.44	1,045.25	---
17	1,045.14	1,044.98	1,045.67	1,045.93	1,045.68	1,045.57	1,045.62	---	1,045.43	1,045.25	---
18	1,045.12	1,044.97	1,045.65	1,045.93	1,045.67	1,045.57	1,045.62	1,045.87	1,045.42	1,045.25	---
19	1,045.12	1,044.97	1,045.65	1,045.93	1,045.66	1,045.85	1,045.62	1,045.87	1,045.40	1,045.25	---
20	1,045.11	---	1,045.68	1,045.93	1,045.65	1,046.44	1,045.50	1,045.85	1,045.40	1,045.25	---
21	1,045.10	1,046.09	1,045.68	1,045.93	1,045.63	1,046.16	1,045.50	1,045.81	1,045.40	1,045.25	---
22	1,045.09	1,046.00	1,045.68	1,045.93	1,045.62	1,046.08	1,045.59	1,045.78	1,045.42	1,045.25	---
23	1,045.09	1,045.99	1,045.68	1,045.93	1,045.62	1,046.05	1,045.59	1,045.75	1,045.40	1,045.25	---
24	1,045.07	1,045.97	1,046.06	1,045.93	1,045.62	1,046.05	1,045.70	1,045.72	1,045.38	1,045.25	---
25	1,045.07	1,045.95	1,046.02	1,045.91	1,045.61	1,046.04	1,045.90	1,045.71	1,045.36	1,045.25	---
26	1,045.06	1,045.93	1,045.99	1,045.89	1,045.60	1,046.00	1,045.79	1,045.70	1,045.36	1,045.25	---
27	1,045.06	1,045.88	1,045.98	1,045.74	1,045.60	1,045.99	1,045.76	1,045.68	1,045.36	1,045.24	---
28	1,045.06	1,045.88	1,045.96	1,045.74	1,045.60	1,045.97	1,045.82	1,045.67	1,045.35	1,045.24	---
29	1,045.04	1,045.87	1,045.95	1,045.73	1,045.59	1,045.92	1,045.78	1,045.65	---	1,045.24	---
30	1,045.04	1,045.83	1,045.95	1,045.73	1,045.54	1,045.89	1,045.78	1,045.65	---	1,045.24	---
31	---	1,045.83	1,045.93	---	1,045.53	---	1,045.77	1,045.64	---	1,045.24	---
Mean	1,045.15	---	1,045.80	1,045.95	1,045.68	1,045.73	1,045.71	---	1,045.47	1,045.27	---
Max	1,045.27	---	1,046.06	1,046.51	1,045.78	1,046.44	1,045.90	---	1,045.63	1,045.33	---
Min	1,045.04	---	1,045.65	1,045.73	1,045.53	1,045.43	1,045.50	---	1,045.35	1,045.24	---

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 40-2; USGS Site number 381535083340902; lat 38°15'35", long 83°34'09";
Altitude of top of sump, 1,051.47 feet above sea level

June 1984 through May 1985

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	1,024.44	1,024.43	1,024.45	---	1,024.51	1,024.50	1,024.49	1,024.36	---	1,024.21	1,024.10	---
2	1,024.45	1,024.43	1,024.45	---	1,024.51	1,024.50	1,024.49	1,024.34	---	1,024.21	1,024.10	---
3	1,024.45	1,024.43	1,024.45	---	1,024.49	1,024.51	1,024.48	1,024.35	---	1,024.21	1,024.10	---
4	1,024.45	1,024.44	1,024.45	---	1,024.50	1,024.51	1,024.47	1,024.36	---	1,024.22	1,024.10	---
5	1,024.45	1,024.44	1,024.45	---	1,024.49	1,024.51	1,024.48	1,024.34	---	1,024.23	1,024.14	---
6	1,024.45	1,024.44	1,024.45	---	1,024.49	1,024.49	1,024.49	1,024.33	---	1,024.20	1,024.10	1,024.01
7	1,024.44	1,024.44	1,024.46	---	1,024.49	1,024.49	1,024.47	1,024.33	---	1,024.18	1,024.10	1,024.01
8	1,024.44	1,024.44	1,024.46	---	1,024.50	1,024.49	1,024.49	1,024.32	---	1,024.18	1,024.09	1,024.01
9	1,024.44	1,024.44	1,024.46	---	1,024.50	1,024.50	1,024.49	1,024.31	---	1,024.18	1,024.09	1,024.01
10	1,024.44	1,024.44	1,024.46	---	1,024.50	1,024.50	1,024.50	1,024.32	---	1,024.17	1,024.08	1,024.01
11	1,024.44	1,024.45	1,024.46	---	1,024.49	1,024.50	1,024.49	1,024.30	---	1,024.15	---	1,024.01
12	1,024.44	1,024.44	1,024.47	1,024.47	1,024.49	1,024.50	1,024.50	1,024.30	---	1,024.14	---	1,024.01
13	1,024.43	1,024.44	1,024.46	1,024.47	1,024.49	1,024.49	1,024.48	1,024.31	---	1,024.13	---	1,024.01
14	1,024.43	1,024.44	1,024.46	1,024.47	1,024.49	1,024.49	1,024.45	1,024.31	---	1,024.14	---	1,024.01
15	1,024.43	1,024.45	1,024.46	1,024.49	1,024.49	1,024.50	1,024.44	1,024.28	---	1,024.13	---	1,024.01
16	1,024.43	1,024.45	1,024.46	1,024.48	1,024.50	1,024.49	1,024.44	1,024.28	---	1,024.13	---	1,024.01
17	1,024.43	1,024.45	1,024.46	1,024.48	1,024.49	1,024.49	1,024.44	1,024.30	---	1,024.13	---	1,024.01
18	1,024.43	1,024.43	1,024.47	1,024.49	1,024.49	1,024.51	1,024.43	1,024.30	---	1,024.12	---	1,023.99
19	1,024.43	1,024.43	1,024.47	1,024.49	1,024.49	1,024.50	1,024.44	1,024.28	---	1,024.12	---	1,023.99
20	1,024.43	1,024.43	1,024.47	1,024.49	1,024.50	1,024.47	1,024.43	1,024.25	---	1,024.12	---	1,023.99
21	1,024.43	1,024.43	1,024.47	1,024.49	1,024.49	1,024.47	1,024.43	---	---	1,024.11	---	1,023.99
22	1,024.43	1,024.43	1,024.48	1,024.49	1,024.51	1,024.48	1,024.40	---	---	1,024.12	---	1,023.99
23	1,024.44	1,024.43	---	1,024.49	1,024.50	1,024.49	1,024.39	---	---	1,024.11	---	1,023.99
24	1,024.44	1,024.43	---	1,024.49	1,024.49	1,024.49	1,024.40	---	---	1,024.10	---	1,023.99
25	1,024.43	1,024.44	---	1,024.50	1,024.50	1,024.49	1,024.36	---	---	1,024.09	---	1,023.99
26	1,024.43	1,024.44	---	1,024.49	1,024.50	1,024.49	---	---	---	1,024.09	---	1,023.99
27	1,024.43	1,024.44	---	1,024.49	1,024.51	1,024.49	---	---	---	1,024.10	---	1,023.99
28	1,024.43	1,024.44	---	1,024.50	1,024.51	1,024.49	---	---	---	1,024.11	---	1,023.99
29	1,024.43	1,024.44	---	1,024.50	1,024.51	1,024.49	1,024.36	---	---	1,024.11	---	1,023.99
30	1,024.43	1,024.44	---	1,024.51	1,024.50	1,024.50	1,024.35	---	---	1,024.10	---	1,023.99
31	---	1,024.44	---	---	1,024.50	---	1,024.35	---	---	1,024.11	---	1,023.99
Mean	1,024.44	1,024.44	---	---	1,024.50	1,024.49	---	---	---	1,024.14	---	---
Max	1,024.45	1,024.45	---	---	1,024.51	1,024.51	---	---	---	1,024.23	---	---
Min	1,024.43	1,024.43	---	---	1,024.49	1,024.47	---	---	---	1,024.09	---	---

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 40-2; USGS Site number 381535083340902; lat 38°15'35", long 83°34'09";
Altitude of top of sump, 1,051.47 feet above sea level--Continued

June 1985 through May 1986

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	1,023.99	1,023.98	1,023.97	1,023.98	1,024.11	1,024.93	1,025.21	1,025.17	1,025.14	1,025.24	1,025.31	1,025.34
2	1,023.99	1,023.98	1,023.97	1,023.98	1,024.17	1,024.94	---	1,025.17	1,025.15	1,025.25	1,025.31	1,025.35
3	1,023.99	1,023.98	1,023.97	1,023.98	1,024.27	1,024.95	1,025.15	1,025.18	1,025.17	1,025.27	1,025.31	1,025.35
4	1,023.99	1,023.98	1,023.97	1,023.98	1,024.37	1,024.95	1,025.16	1,025.17	1,025.20	1,025.27	1,025.31	1,025.35
5	1,023.98	1,023.98	1,023.97	1,023.99	1,024.47	1,024.96	1,025.19	1,025.17	1,025.21	1,025.27	1,025.31	1,025.38
6	1,023.98	1,023.98	1,023.97	1,023.99	1,024.54	1,024.96	1,025.20	1,025.15	1,025.21	1,025.27	1,025.32	1,025.39
7	1,023.98	---	1,023.97	1,023.99	1,024.59	1,024.97	1,025.20	1,025.12	1,025.22	1,025.25	1,025.33	1,025.39
8	1,023.98	---	1,023.97	1,023.99	1,024.64	1,024.97	1,025.21	1,025.06	1,025.20	1,025.23	1,025.33	1,025.39
9	1,023.98	1,023.98	1,023.97	1,023.99	---	1,024.97	1,025.20	1,025.06	1,025.20	1,025.22	1,025.32	1,025.38
10	1,023.98	1,023.98	1,023.97	1,023.99	---	1,024.98	1,025.20	1,025.07	1,025.20	1,025.21	1,025.32	1,025.37
11	1,023.98	1,023.97	1,023.97	1,024.00	---	1,024.98	1,025.21	1,025.09	1,025.21	1,025.23	1,025.32	1,025.37
12	1,023.98	1,023.97	1,023.97	1,024.00	---	1,025.18	1,025.22	1,025.13	1,025.20	1,025.23	1,025.30	1,025.35
13	1,023.98	1,023.97	1,023.97	1,023.99	---	1,025.21	1,025.21	1,025.13	1,025.20	1,025.23	1,025.29	1,025.32
14	1,023.98	1,023.97	1,023.97	1,023.99	---	1,025.21	1,025.19	1,025.16	1,025.21	1,025.24	1,025.28	1,025.29
15	1,023.98	1,023.97	1,023.97	1,023.99	---	1,025.21	1,025.17	1,025.13	1,025.21	1,025.24	1,025.27	1,025.27
16	1,023.98	1,023.97	1,023.97	1,024.00	---	1,025.21	1,025.16	1,025.13	1,025.22	1,025.24	1,025.27	1,025.26
17	1,023.98	1,023.97	1,023.97	1,024.00	1,024.87	1,025.21	1,025.15	1,025.13	1,025.22	1,025.25	1,025.23	1,025.25
18	1,023.98	1,023.97	1,023.97	1,024.00	1,024.87	1,025.21	1,025.13	1,025.13	1,025.23	1,025.27	1,025.19	1,025.25
19	1,023.98	1,023.97	1,023.97	1,024.00	1,024.88	1,025.21	1,025.11	1,025.17	1,025.23	1,025.26	1,025.16	1,025.25
20	1,023.98	1,023.97	1,023.97	1,024.00	1,024.86	1,025.21	1,025.11	1,025.17	1,025.23	1,025.25	1,025.19	1,025.24
21	1,023.98	1,023.97	1,023.97	1,024.00	1,024.83	1,025.21	1,025.11	1,025.17	1,025.23	1,025.26	1,025.22	1,025.24
22	1,023.98	1,023.97	1,023.97	1,024.00	1,024.84	1,025.22	1,025.13	1,025.17	1,025.23	1,025.28	1,025.22	1,025.24
23	1,023.98	1,023.97	1,023.97	1,024.00	1,024.87	1,025.21	1,025.15	1,025.14	1,025.23	1,025.28	1,025.17	1,025.23
24	1,023.98	1,023.97	1,023.97	1,024.00	1,024.89	1,025.21	1,025.19	1,025.13	1,025.24	1,025.29	1,025.16	---
25	1,023.98	---	1,023.97	1,024.00	1,024.89	1,025.20	1,025.19	1,025.15	1,025.24	1,025.31	1,025.16	---
26	1,023.98	1,023.97	1,023.97	1,024.01	1,024.89	1,025.21	1,025.17	1,025.19	1,025.26	1,025.32	1,025.18	---
27	1,023.98	1,023.97	1,023.97	1,024.04	1,024.89	1,025.21	1,025.18	1,025.20	1,025.26	1,025.32	1,025.19	---
28	1,023.98	1,023.97	1,023.97	1,024.05	1,024.88	1,025.21	1,025.17	1,025.19	1,025.24	1,025.33	1,025.22	---
29	1,023.98	1,023.97	1,023.97	1,024.07	1,024.87	1,025.20	1,025.18	1,025.20	---	1,025.33	1,025.28	---
30	1,023.98	1,023.97	1,023.98	1,024.09	1,024.88	1,025.20	1,025.16	1,025.16	---	1,025.32	1,025.32	---
31	---	1,023.97	1,023.98	---	1,024.90	---	1,025.19	1,025.15	---	1,025.31	---	---
Mean	1,023.98	---	1,023.97	1,024.00	---	1,025.12	---	1,025.15	1,025.21	1,025.27	1,025.26	---
Max	1,023.99	---	1,023.98	1,024.09	---	1,025.22	---	1,025.20	1,025.26	1,025.33	1,025.33	---
Min	1,023.98	---	1,023.97	1,023.98	---	1,024.93	---	1,025.06	1,025.14	1,025.21	1,025.16	---

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 40-2; USGS Site number 381535083340902; lat 38°15'35", long 83°34'09";
Altitude of top of sump, 1,051.47 feet above sea level--Continued

June 1986 through May 1987

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	---	1,025.15	1,025.17	1,025.06	1,024.88	1,024.78	1,024.73	1,024.67	1,024.58	1,024.48	1,024.38	1,024.38
2	---	1,025.16	1,025.17	1,025.05	1,024.88	1,024.77	1,024.75	1,024.69	1,024.59	1,024.49	1,024.38	1,024.39
3	---	1,025.15	1,025.17	1,025.05	1,024.90	1,024.76	1,024.76	1,024.68	1,024.59	1,024.48	1,024.38	1,024.39
4	---	1,025.15	1,025.16	1,025.05	1,024.91	1,024.76	1,024.73	1,024.66	1,024.57	1,024.46	1,024.38	1,024.39
5	---	1,025.14	1,025.15	1,025.04	1,024.92	1,024.77	1,024.72	1,024.66	1,024.57	1,024.46	1,024.38	1,024.39
6	---	1,025.12	1,025.15	1,025.03	1,024.92	1,024.78	1,024.71	1,024.65	1,024.57	1,024.44	1,024.38	1,024.39
7	---	1,025.11	1,025.15	1,025.02	1,024.90	1,024.77	1,024.70	1,024.65	1,024.57	1,024.41	1,024.38	1,024.39
8	---	1,025.11	1,025.16	1,025.01	1,024.89	1,024.77	1,024.71	1,024.69	1,024.57	1,024.41	1,024.38	1,024.39
9	---	1,025.11	1,025.15	1,025.01	1,024.89	1,024.76	1,024.73	1,024.68	1,024.56	1,024.41	1,024.38	1,024.39
10	---	1,025.11	1,025.16	1,025.01	1,024.87	1,024.75	1,024.74	1,024.69	1,024.56	1,024.41	1,024.38	1,024.39
11	1,025.16	1,025.11	1,025.15	1,025.00	1,024.87	1,024.74	1,024.74	1,024.70	1,024.55	1,024.41	1,024.38	1,024.39
12	1,025.17	1,025.12	1,025.14	1,024.97	1,024.86	1,024.74	1,024.74	1,024.69	1,024.55	1,024.41	1,024.38	1,024.39
13	1,025.16	1,025.12	1,025.13	1,024.96	1,024.87	1,024.73	1,024.72	1,024.68	1,024.55	1,024.41	1,024.38	1,024.39
14	1,025.15	1,025.11	1,025.13	1,024.95	1,024.88	1,024.72	1,024.71	1,024.67	1,024.55	1,024.41	1,024.38	1,024.39
15	1,025.16	1,025.11	1,025.13	1,024.94	1,024.87	1,024.71	1,024.70	1,024.67	1,024.54	1,024.41	1,024.38	1,024.39
16	1,025.16	1,025.10	1,025.14	1,024.93	1,024.87	1,024.75	1,024.70	1,024.65	1,024.54	1,024.40	1,024.39	1,024.40
17	1,025.15	1,025.09	1,025.14	1,024.92	1,024.86	1,024.77	1,024.70	1,024.64	1,024.53	1,024.40	1,024.39	1,024.40
18	1,025.15	1,025.09	1,025.14	1,024.92	1,024.84	1,024.79	1,024.71	1,024.64	1,024.53	1,024.40	1,024.39	1,024.41
19	1,025.15	1,025.09	1,025.13	1,024.91	1,024.82	1,024.79	1,024.71	1,024.66	1,024.51	1,024.40	1,024.39	1,024.41
20	1,025.15	1,025.09	1,025.12	1,024.90	1,024.81	1,024.79	1,024.70	1,024.64	1,024.51	1,024.40	1,024.39	1,024.42
21	1,025.15	1,025.09	1,025.11	1,024.90	1,024.80	1,024.78	1,024.69	1,024.64	1,024.50	1,024.40	1,024.39	1,024.42
22	1,025.15	1,025.10	1,025.11	1,024.91	1,024.80	1,024.79	1,024.68	1,024.64	1,024.50	1,024.40	1,024.39	1,024.42
23	1,025.15	1,025.11	1,025.11	1,024.91	1,024.80	1,024.78	1,024.67	1,024.64	1,024.49	1,024.40	1,024.39	1,024.42
24	1,025.15	1,025.11	1,025.11	1,024.90	1,024.80	1,024.77	1,024.69	1,024.63	1,024.48	1,024.39	1,024.39	1,024.42
25	1,025.15	1,025.13	1,025.11	1,024.89	1,024.81	1,024.76	1,024.72	1,024.62	1,024.47	1,024.39	1,024.38	1,024.41
26	1,025.15	1,025.14	1,025.11	1,024.89	1,024.82	1,024.77	1,024.71	1,024.61	1,024.47	1,024.38	1,024.38	1,024.41
27	1,025.15	1,025.15	1,025.12	1,024.89	1,024.83	1,024.77	1,024.70	1,024.60	1,024.47	1,024.38	1,024.37	1,024.43
28	1,025.15	1,025.16	1,025.12	1,024.89	1,024.83	1,024.76	1,024.68	1,024.59	1,024.47	1,024.38	1,024.37	1,024.42
29	1,025.15	1,025.16	1,025.09	1,024.88	1,024.81	1,024.75	1,024.68	1,024.59	---	1,024.38	1,024.37	1,024.41
30	1,025.15	1,025.17	1,025.09	1,024.88	1,024.80	1,024.75	1,024.68	1,024.59	---	1,024.38	1,024.38	1,024.41
31	---	1,025.17	1,025.07	---	1,024.79	---	1,024.68	1,024.59	---	1,024.38	---	1,024.42
Mean	---	1,025.12	1,025.13	1,024.96	1,024.85	1,024.76	1,024.71	1,024.65	1,024.53	1,024.41	1,024.38	1,024.40
Max	---	1,025.17	1,025.17	1,025.06	1,024.92	1,024.79	1,024.76	1,024.70	1,024.59	1,024.49	1,024.39	1,024.43
Min	---	1,025.09	1,025.07	1,024.88	1,024.79	1,024.71	1,024.67	1,024.59	1,024.47	1,024.38	1,024.37	1,024.38

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 40-2; USGS Site number 381535083340902; lat 38°15'35", long 83°34'09";
Altitude of top of sump, 1,051.47 feet above sea level--Continued

June 1987 through May 1988

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	1,024.43	---	1,024.52	1,024.47	1,024.45	1,024.43	1,024.60	1,024.62	1,024.60	1,024.58	1,024.53	1,024.60
2	1,024.43	---	1,024.53	1,024.47	1,024.45	1,024.43	1,024.60	1,024.61	1,024.61	1,024.58	1,024.53	1,024.60
3	1,024.43	---	1,024.53	1,024.47	1,024.44	1,024.42	1,024.60	1,024.61	1,024.61	1,024.57	1,024.53	1,024.59
4	1,024.43	---	1,024.55	1,024.47	1,024.44	1,024.42	1,024.60	1,024.62	1,024.61	1,024.59	1,024.53	1,024.60
5	1,024.43	---	1,024.56	1,024.47	1,024.43	1,024.42	1,024.60	1,024.61	1,024.60	1,024.57	1,024.53	1,024.60
6	1,024.42	---	1,024.56	1,024.47	1,024.43	1,024.42	1,024.59	1,024.60	1,024.59	1,024.57	1,024.58	1,024.60
7	1,024.42	---	1,024.56	1,024.47	1,024.42	1,024.43	1,024.58	1,024.60	1,024.58	1,024.57	1,024.61	1,024.59
8	1,024.42	---	1,024.55	1,024.47	1,024.42	1,024.43	1,024.57	1,024.61	1,024.58	1,024.56	1,024.60	1,024.59
9	1,024.42	---	1,024.55	1,024.48	1,024.42	1,024.43	1,024.58	1,024.62	1,024.58	1,024.56	1,024.60	1,024.59
10	1,024.44	---	1,024.55	1,024.48	1,024.42	1,024.43	1,024.59	1,024.61	1,024.58	1,024.59	1,024.59	1,024.60
11	1,024.45	---	1,024.55	1,024.48	1,024.41	1,024.43	1,024.61	1,024.61	1,024.58	1,024.58	1,024.60	1,024.59
12	1,024.47	---	1,024.55	1,024.49	1,024.41	1,024.43	1,024.63	1,024.61	1,024.59	1,024.59	1,024.62	1,024.57
13	1,024.47	---	1,024.55	1,024.49	1,024.42	1,024.43	1,024.63	1,024.62	1,024.59	1,024.59	1,024.62	1,024.57
14	1,024.46	---	1,024.54	1,024.49	1,024.42	1,024.43	1,024.62	1,024.61	1,024.59	1,024.60	1,024.62	1,024.57
15	1,024.46	---	1,024.53	1,024.49	1,024.42	1,024.44	1,024.64	1,024.61	1,024.61	1,024.59	1,024.61	1,024.57
16	1,024.46	---	1,024.53	1,024.49	1,024.45	1,024.44	1,024.64	1,024.61	1,024.61	1,024.58	1,024.60	1,024.58
17	1,024.47	---	1,024.52	1,024.49	1,024.45	1,024.45	1,024.63	1,024.62	1,024.60	1,024.56	1,024.60	1,024.59
18	1,024.48	---	1,024.52	1,024.49	1,024.45	1,024.46	1,024.62	1,024.64	1,024.60	1,024.56	1,024.63	1,024.59
19	1,024.49	---	1,024.51	1,024.49	1,024.45	1,024.46	1,024.61	1,024.64	1,024.60	1,024.56	1,024.63	1,024.59
20	---	---	1,024.51	1,024.49	1,024.45	1,024.47	1,024.63	1,024.67	1,024.63	1,024.56	1,024.63	1,024.59
21	---	---	1,024.51	1,024.49	1,024.45	1,024.48	1,024.63	1,024.67	1,024.62	1,024.56	1,024.64	1,024.59
22	---	---	1,024.50	1,024.49	1,024.44	1,024.48	1,024.63	1,024.66	1,024.61	1,024.55	1,024.64	1,024.58
23	---	---	1,024.49	1,024.49	1,024.44	1,024.49	1,024.63	1,024.66	1,024.62	1,024.54	1,024.65	1,024.59
24	1,024.51	---	1,024.49	1,024.49	1,024.45	1,024.49	1,024.62	1,024.66	1,024.61	1,024.54	1,024.65	1,024.59
25	1,024.52	---	1,024.49	1,024.49	1,024.45	1,024.50	1,024.62	1,024.65	1,024.60	1,024.54	1,024.64	1,024.59
26	1,024.52	---	1,024.48	1,024.47	1,024.45	1,024.50	1,024.62	1,024.65	1,024.60	1,024.54	1,024.64	1,024.58
27	1,024.53	---	1,024.48	1,024.47	1,024.42	1,024.51	1,024.62	1,024.63	1,024.60	1,024.54	1,024.63	1,024.58
28	1,024.53	1,024.50	1,024.48	1,024.47	1,024.42	1,024.51	1,024.62	1,024.62	1,024.60	1,024.53	1,024.63	1,024.57
29	1,024.51	---	1,024.48	1,024.47	1,024.43	1,024.53	1,024.62	1,024.61	1,024.59	1,024.53	1,024.62	1,024.57
30	---	---	---	1,024.47	1,024.43	1,024.58	1,024.61	1,024.61	---	1,024.53	1,024.61	1,024.57
31	---	---	---	---	1,024.43	---	1,024.62	1,024.60	---	1,024.53	---	1,024.56
Mean	---	---	---	1,024.48	1,024.43	1,024.46	1,024.61	1,024.62	1,024.60	1,024.56	1,024.60	1,024.58
Max	---	---	---	1,024.49	1,024.45	1,024.58	1,024.64	1,024.67	1,024.63	1,024.60	1,024.65	1,024.60
Min	---	---	---	1,024.47	1,024.41	1,024.42	1,024.57	1,024.60	1,024.58	1,024.53	1,024.53	1,024.56

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Trench sump 40-2; USGS Site number 381535083340902; lat 38°15'35", long 83°34'09";
Altitude of top of sump, 1,051.47 feet above sea level--Continued

June 1988 through April 1989

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
1	1,024.56	1,024.63	1,024.57	1,024.59	1,024.60	1,024.71	1,024.55	1,024.45	1,024.40	1,024.38	1,024.40
2	1,024.58	1,024.62	1,024.56	1,024.58	1,024.61	1,024.70	1,024.55	1,024.45	1,024.39	1,024.38	1,024.40
3	1,024.59	1,024.62	1,024.54	1,024.58	1,024.61	1,024.70	1,024.54	1,024.44	1,024.39	1,024.38	1,024.41
4	1,024.59	1,024.62	1,024.54	1,024.60	1,024.59	1,024.71	1,024.53	1,024.44	1,024.38	1,024.38	1,024.41
5	1,024.59	1,024.61	1,024.53	1,024.62	1,024.58	1,024.73	1,024.53	1,024.44	1,024.38	1,024.38	1,024.41
6	1,024.58	1,024.60	1,024.53	1,024.63	1,024.58	1,024.73	1,024.52	1,024.44	1,024.38	1,024.38	1,024.41
7	1,024.58	1,024.60	1,024.54	1,024.62	1,024.57	1,024.73	1,024.52	1,024.44	1,024.38	1,024.38	1,024.42
8	1,024.60	1,024.60	1,024.54	1,024.61	1,024.57	1,024.73	1,024.51	1,024.44	1,024.38	1,024.38	1,024.43
9	1,024.62	1,024.60	1,024.54	1,024.61	1,024.57	1,024.73	1,024.51	1,024.43	1,024.37	1,024.38	1,024.42
10	1,024.61	1,024.60	1,024.54	1,024.60	1,024.59	1,024.73	1,024.51	1,024.43	1,024.37	1,024.38	1,024.42
11	1,024.60	1,024.61	1,024.54	1,024.60	1,024.61	1,024.73	1,024.50	1,024.43	1,024.37	1,024.38	1,024.43
12	1,024.59	1,024.61	1,024.54	1,024.59	1,024.61	1,024.73	1,024.50	1,024.44	1,024.37	1,024.38	1,024.43
13	1,024.58	1,024.61	1,024.54	1,024.59	1,024.60	---	1,024.50	1,024.43	1,024.37	1,024.38	---
14	1,024.57	1,024.61	1,024.54	1,024.60	1,024.59	---	1,024.50	1,024.43	1,024.37	1,024.38	---
15	1,024.56	1,024.60	1,024.54	1,024.60	1,024.59	---	1,024.49	1,024.44	1,024.37	1,024.38	---
16	1,024.56	1,024.60	1,024.54	1,024.59	1,024.59	---	1,024.49	1,024.44	1,024.37	1,024.38	---
17	1,024.55	1,024.60	1,024.54	1,024.59	1,024.60	---	1,024.49	1,024.43	1,024.38	1,024.38	---
18	1,024.58	1,024.60	1,024.54	1,024.59	1,024.63	---	1,024.49	1,024.43	1,024.38	1,024.38	---
19	1,024.58	1,024.60	1,024.57	1,024.59	1,024.63	---	1,024.49	1,024.43	1,024.38	1,024.38	---
20	1,024.58	1,024.60	1,024.59	1,024.61	1,024.63	---	1,024.48	1,024.42	1,024.38	1,024.38	---
21	1,024.58	1,024.60	1,024.59	1,024.61	1,024.67	---	1,024.48	1,024.41	1,024.38	1,024.38	---
22	1,024.59	1,024.60	1,024.59	1,024.61	1,024.71	---	1,024.48	1,024.41	1,024.38	1,024.38	---
23	1,024.60	1,024.60	1,024.58	1,024.62	1,024.73	---	1,024.48	1,024.41	1,024.38	1,024.38	---
24	1,024.60	1,024.59	1,024.59	1,024.63	1,024.75	---	1,024.48	1,024.41	1,024.38	1,024.39	---
25	1,024.60	1,024.59	1,024.59	1,024.63	1,024.76	---	1,024.48	1,024.40	1,024.38	1,024.39	---
26	1,024.61	1,024.59	1,024.61	1,024.62	1,024.75	---	1,024.47	1,024.40	1,024.38	1,024.39	---
27	1,024.62	1,024.59	1,024.61	1,024.61	1,024.74	---	1,024.47	1,024.40	1,024.38	1,024.39	---
28	1,024.62	1,024.59	1,024.60	1,024.60	1,024.73	---	1,024.47	1,024.40	1,024.38	1,024.39	---
29	1,024.62	1,024.58	1,024.60	1,024.60	1,024.72	---	1,024.45	1,024.40	---	1,024.39	---
30	1,024.63	1,024.57	1,024.59	1,024.61	1,024.71	---	1,024.45	1,024.40	---	1,024.40	---
31	---	1,024.57	1,024.58	---	---	---	1,024.45	1,024.40	---	1,024.40	---
Mean	1,024.59	1,024.60	1,024.56	1,024.60	---	---	1,024.50	1,024.42	1,024.38	1,024.38	---
Max	1,024.63	1,024.63	1,024.61	1,024.63	---	---	1,024.55	1,024.45	1,024.40	1,024.40	---
Min	1,024.55	1,024.57	1,024.53	1,024.58	---	---	1,024.45	1,024.40	1,024.37	1,024.38	---

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Slit trench sump 3; USGS Site number 381533083342201; lat 38°15'24", long 83°34'14";
Altitude of top of sump, 1,045.24 feet above sea level

June 1985 through May 1986

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	---	---	---	---	---	---	---	---	---	1,031.72	1,036.85	1,030.23
2	---	---	---	---	---	---	---	---	---	1,031.81	1,036.91	1,030.28
3	---	---	---	---	---	---	---	---	---	1,031.89	1,037.01	1,030.32
4	---	---	---	---	---	---	---	---	---	1,031.99	1,036.95	1,030.36
5	---	---	---	---	---	---	---	---	---	1,032.12	1,037.04	1,030.40
6	---	---	---	---	---	---	---	---	---	1,032.25	1,037.16	1,030.44
7	---	---	---	---	---	---	---	---	---	1,032.38	1,037.22	1,030.48
8	---	---	---	---	---	---	---	---	---	1,032.53	1,037.47	1,030.52
9	---	---	---	---	---	---	---	---	---	1,032.81	1,037.38	1,030.54
10	---	---	---	---	---	---	---	---	---	1,033.11	---	1,030.60
11	---	---	---	---	---	---	---	---	1,030.66	1,033.35	---	1,030.64
12	---	---	---	---	---	---	---	---	1,030.70	1,033.62	---	1,030.68
13	---	---	---	---	---	---	---	---	1,030.75	1,033.84	---	1,030.72
14	---	---	---	---	---	---	---	---	1,030.82	1,034.21	---	1,030.78
15	---	---	---	---	---	---	---	---	1,030.84	1,034.31	1,030.40	1,030.84
16	---	---	---	---	---	---	---	---	1,030.94	1,034.46	1,030.45	1,030.87
17	---	---	---	---	---	---	---	---	1,031.01	1,034.64	1,030.51	1,030.91
18	---	---	---	---	---	---	---	---	1,031.08	1,034.91	1,029.60	1,030.97
19	---	---	---	---	---	---	---	---	1,031.16	1,035.49	1,029.59	1,031.03
20	---	---	---	---	---	---	---	---	1,031.22	1,035.22	1,029.60	1,031.06
21	---	---	---	---	---	---	---	---	1,031.29	1,035.21	1,029.62	1,031.13
22	---	---	---	---	---	---	---	---	1,031.35	1,035.44	1,029.71	1,031.18
23	---	---	---	---	---	---	---	---	1,031.40	1,035.71	1,029.79	1,031.24
24	---	---	---	---	---	---	---	---	1,031.47	1,035.63	1,029.86	1,031.28
25	---	---	---	---	---	---	---	---	1,031.44	1,035.91	1,029.93	1,031.33
26	---	---	---	---	---	---	---	---	1,031.53	1,036.15	1,030.00	1,031.38
27	---	---	---	---	---	---	---	---	1,031.61	1,036.23	1,030.05	1,031.42
28	---	---	---	---	---	---	---	---	1,031.65	1,036.33	1,030.12	1,031.46
29	---	---	---	---	---	---	---	---	---	1,036.51	1,030.17	1,031.51
30	---	---	---	---	---	---	---	---	---	1,036.67	1,030.18	1,031.56
31	---	---	---	---	---	---	---	---	---	1,036.70	---	1,031.63
Mean	---	---	---	---	---	---	---	---	---	1,034.29	---	1,030.90
Max	---	---	---	---	---	---	---	---	---	1,036.70	---	1,031.63
Min	---	---	---	---	---	---	---	---	---	1,031.72	---	1,030.23

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Slit trench sump 3; USGS Site number 381533083342201; lat 38°15'24", long 83°34'14";
Altitude of top of sump, 1,045.24 feet above sea level--Continued

June 1986 through May 1987

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	1,031.69	---	---	1,030.70	1,031.81	---	1,030.28	1,031.38	1,032.63	1,029.65	1,031.04	1,033.08
2	1,031.74	---	---	1,030.74	1,031.88	---	1,030.33	1,031.40	1,032.78	1,029.74	1,031.08	1,033.17
3	1,031.80	---	---	1,030.79	1,030.89	1,034.03	1,030.39	1,031.42	1,032.84	1,029.82	1,031.12	1,033.19
4	1,031.86	---	---	1,030.83	1,030.94	1,034.09	1,030.41	---	1,032.82	1,029.90	1,031.17	1,033.22
5	1,031.94	---	1,028.79	1,030.87	1,030.96	1,034.22	1,030.44	---	1,032.88	1,029.97	1,031.21	1,033.33
6	1,032.03	---	1,029.01	1,030.91	1,030.99	1,034.23	1,030.47	---	1,032.98	1,030.05	1,031.25	1,033.45
7	1,032.12	---	1,029.19	1,030.94	1,031.02	1,034.26	1,030.50	1,031.53	1,033.12	1,030.11	1,031.29	1,033.51
8	1,032.22	1,036.94	1,029.34	1,030.98	1,031.09	1,034.40	1,030.54	1,031.55	1,033.31	1,030.18	1,031.34	1,033.57
9	1,032.31	1,037.22	1,029.47	1,031.02	1,031.15	1,034.47	1,030.58	1,031.58	1,033.19	1,030.24	1,031.39	1,033.65
10	1,032.44	1,037.24	1,029.58	1,031.06	1,031.21	1,034.43	1,030.61	1,031.63	1,033.29	1,030.28	1,031.44	1,033.73
11	1,032.68	1,037.40	1,029.68	1,031.12	1,031.29	1,034.65	1,030.64	1,031.66	1,033.38	1,030.32	1,031.50	1,033.83
12	1,032.92	1,037.44	1,029.75	1,031.15	---	1,034.69	1,030.68	1,031.68	1,033.56	1,030.36	1,031.56	1,033.87
13	1,033.04	1,037.44	1,029.83	1,031.18	---	1,034.61	1,030.70	1,031.69	1,033.53	1,030.39	1,031.59	1,033.91
14	1,033.22	1,037.41	1,029.90	1,031.21	---	1,034.73	1,030.73	1,031.72	1,033.70	1,030.43	1,031.64	1,033.98
15	1,033.43	1,037.46	1,029.96	1,031.25	---	1,034.94	1,030.77	1,031.75	1,033.73	1,030.47	1,031.71	1,034.02
16	1,033.59	1,037.54	1,030.03	1,031.28	---	1,035.14	1,030.81	1,031.77	1,033.82	1,030.50	1,031.77	1,034.08
17	1,033.74	1,037.59	1,030.09	1,031.32	---	1,035.28	1,030.89	1,031.79	1,033.90	1,030.53	1,031.82	1,034.16
18	1,033.95	1,037.66	1,030.14	1,031.35	---	1,032.40	1,030.91	1,031.84	1,033.94	1,030.57	1,031.86	1,034.24
19	1,034.19	1,037.78	1,030.19	1,031.39	---	1,029.80	1,030.94	1,031.90	1,033.86	1,030.60	1,031.92	1,034.29
20	1,034.40	1,037.93	1,030.24	1,031.42	---	1,029.53	1,030.97	1,031.91	1,033.86	1,030.63	1,031.98	1,034.35
21	1,034.54	1,037.92	1,030.28	1,031.45	---	1,029.68	1,031.00	1,031.95	1,034.04	1,030.67	1,032.07	1,034.34
22	1,034.72	1,037.87	1,030.32	1,031.48	---	1,029.77	1,031.04	1,032.04	1,034.17	1,030.69	1,032.16	1,034.36
23	1,034.88	1,037.86	1,030.37	1,031.53	---	1,029.86	1,031.09	1,032.07	---	1,030.73	1,032.37	1,034.42
24	---	1,037.92	1,030.41	1,031.56	---	1,029.94	1,031.13	1,032.09	---	1,030.76	1,032.45	1,034.50
25	---	1,038.04	1,030.44	1,031.60	---	1,029.98	1,031.15	1,032.16	---	1,030.80	1,032.60	1,034.56
26	---	1,038.14	1,030.48	1,031.62	---	1,030.06	1,031.17	1,032.19	1,029.10	1,030.83	1,032.68	1,034.61
27	---	1,038.20	1,030.52	1,031.66	---	1,030.10	1,031.20	1,032.26	1,029.32	1,030.86	1,032.82	1,034.65
28	---	1,038.23	1,030.57	1,031.68	---	1,030.14	1,031.24	1,032.30	1,029.48	1,030.89	1,032.95	---
29	---	1,038.05	1,030.59	1,031.72	---	1,030.19	1,031.28	1,032.37	---	1,030.92	1,032.95	---
30	---	1,038.05	1,030.63	1,031.76	---	1,030.24	1,031.31	1,032.52	---	1,030.97	1,032.97	---
31	---	1,038.05	1,030.66	---	---	---	1,031.34	1,032.49	---	1,031.01	---	---
Mean	---	---	---	1,031.25	---	---	1,030.82	---	---	1,030.45	1,031.86	---
Max	---	---	---	1,031.76	---	---	1,031.34	---	---	1,031.01	1,032.97	---
Min	---	---	---	1,030.70	---	---	1,030.28	---	---	1,029.65	1,031.04	---

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Slit trench sump 3; USGS Site number 381533083342201; lat 38°15'24", long 83°34'14";
Altitude of top of sump, 1,045.24 feet above sea level--Continued

June 1987 through May 1988

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	1,034.98	---	1,036.89	1,036.79	1,036.73	1,036.09	1,036.24	---	1,037.23	1,037.74	1,037.89	1,038.06
2	1,034.99	---	---	1,036.83	1,036.88	1,036.15	1,035.95	---	1,037.23	1,037.90	1,038.00	1,038.01
3	1,035.08	---	---	1,036.74	1,036.47	1,036.23	1,036.22	---	---	1,038.04	1,038.23	1,038.09
4	1,035.12	---	---	1,036.74	1,036.48	1,036.41	1,035.92	---	---	1,038.02	1,038.25	1,038.21
5	1,035.08	---	---	1,036.77	1,036.70	1,036.24	1,035.78	---	---	1,037.70	1,038.30	1,038.09
6	1,035.08	---	---	1,036.82	1,036.90	1,036.03	1,035.64	---	---	1,037.99	1,038.70	1,038.04
7	1,035.11	---	---	1,036.87	1,036.79	1,036.12	1,035.66	---	---	1,037.89	1,038.53	1,037.94
8	1,035.15	---	---	1,036.93	1,036.45	1,036.16	1,035.69	---	---	1,038.01	1,038.32	1,038.02
9	1,035.24	---	---	1,036.84	1,036.39	1,036.16	1,035.87	---	---	1,038.35	1,038.31	1,038.15
10	1,035.28	---	---	1,036.81	1,036.36	1,036.14	1,035.87	---	---	1,038.32	1,038.39	1,038.09
11	1,035.30	---	---	1,036.81	1,036.41	1,036.09	1,036.09	---	---	1,038.09	1,038.43	1,037.85
12	1,035.41	---	---	1,036.84	1,036.52	1,036.13	1,036.01	---	---	1,038.39	1,038.42	1,037.66
13	1,035.52	---	---	1,036.82	1,036.43	1,036.24	1,035.64	---	---	1,038.31	1,038.26	1,037.76
14	1,035.55	---	---	1,036.70	1,036.37	1,036.12	1,035.69	---	---	1,038.38	1,038.28	1,037.77
15	1,035.59	---	---	1,036.75	1,036.38	1,035.97	1,036.01	---	---	1,038.26	1,038.14	1,037.86
16	1,035.63	---	---	1,036.82	1,036.43	1,036.05	1,035.95	---	---	1,038.02	1,037.99	1,037.94
17	1,035.64	---	---	1,036.94	1,036.53	1,036.28	1,035.54	---	---	1,037.96	1,038.24	1,037.85
18	1,035.64	---	---	1,036.92	1,036.44	1,035.96	1,035.59	---	---	1,036.20	1,038.47	1,037.78
19	1,035.64	---	---	1,036.83	1,036.54	1,035.96	1,035.73	---	---	1,038.31	1,038.46	1,037.82
20	1,035.74	---	---	1,036.80	1,036.55	1,036.15	1,035.93	---	---	1,038.11	1,038.46	1,037.78
21	1,035.80	---	---	1,036.76	1,036.34	1,035.92	1,035.77	1,037.19	---	1,037.94	1,038.14	1,037.76
22	1,035.86	---	---	1,036.71	1,036.25	1,035.95	1,035.99	1,037.22	---	1,037.96	1,038.16	1,037.78
23	1,035.84	---	---	1,036.65	1,036.30	1,036.00	1,035.74	1,037.23	1,037.89	1,038.04	1,038.21	1,037.85
24	1,035.99	---	---	1,036.74	1,036.27	1,035.86	1,035.89	1,037.22	1,037.80	1,038.02	1,037.96	1,037.87
25	1,036.13	---	---	1,036.67	1,036.19	1,035.95	1,036.04	1,037.22	1,037.84	1,038.21	1,037.98	1,037.64
26	1,036.21	---	---	1,036.61	1,036.41	1,035.93	1,036.00	1,037.22	1,037.87	1,038.19	1,038.08	---
27	1,036.22	---	---	1,036.55	1,036.52	1,035.98	1,036.16	1,036.99	1,038.07	1,037.88	1,038.01	---
28	---	1,036.72	---	1,036.52	1,036.33	1,036.14	1,036.53	1,036.99	1,037.92	1,037.86	1,038.12	---
29	---	1,036.78	---	1,036.74	1,036.26	1,036.19	1,036.29	1,037.14	1,037.89	1,037.97	1,038.13	---
30	---	1,036.80	---	1,036.81	1,036.28	1,036.21	---	1,037.19	---	1,037.77	1,038.03	---
31	---	1,036.85	---	---	1,036.10	---	---	1,037.22	---	1,037.80	---	---
Mean	---	---	---	1,036.77	1,036.45	1,036.09	---	---	---	1,037.99	1,038.23	---
Max	---	---	---	1,036.94	1,036.90	1,036.41	---	---	---	1,038.39	1,038.70	---
Min	---	---	---	1,036.52	1,036.10	1,035.86	---	---	---	1,036.20	1,037.89	---

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Slit trench sump 3; USGS Site number 381533083342201; lat 38°15'24", long 83°34'14";
Altitude of top of sump, 1,045.24 feet above sea level--Continued

June 1988 through April 1989

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
1	---	1,037.71	1,038.19	1,038.38	1,038.58	1,038.31	1,038.10	1,038.34	---	1,038.96	1,038.99
2	1,037.82	1,037.70	1,038.15	1,038.39	1,038.70	1,038.21	1,037.90	1,038.33	---	1,039.16	1,039.07
3	1,037.77	1,037.76	1,038.20	1,038.64	1,038.61	1,038.30	1,038.14	1,038.69	---	1,039.35	1,039.35
4	---	1,037.65	1,038.24	1,038.84	1,038.57	1,038.51	1,037.74	1,038.24	---	1,039.17	1,039.42
5	---	---	1,038.30	1,038.85	1,038.31	1,038.72	1,037.99	1,038.44	---	1,039.21	1,039.23
6	---	1,037.55	1,038.27	---	1,038.21	1,038.42	1,038.10	1,038.79	---	1,039.32	1,039.33
7	1,037.71	1,037.64	1,038.25	---	1,038.27	1,038.08	1,038.11	1,038.58	---	1,038.94	1,039.49
8	1,037.86	1,037.70	1,038.30	---	1,038.36	1,037.96	1,037.79	1,038.47	---	1,038.90	1,039.70
9	1,037.73	1,037.78	1,038.32	---	1,038.50	1,037.99	1,037.87	1,038.37	---	1,038.89	1,039.25
10	1,037.47	1,037.77	1,038.26	---	1,038.65	1,038.13	1,038.04	1,038.50	---	1,038.95	1,039.06
11	1,037.41	1,037.77	1,038.22	---	1,038.59	1,037.79	1,037.78	1,038.46	---	1,039.24	---
12	1,037.44	1,037.79	1,038.22	---	1,038.30	1,038.07	1,037.84	1,038.82	---	1,039.13	1,039.23
13	1,037.42	1,037.77	1,038.26	---	1,038.11	1,037.96	1,038.00	1,038.49	---	1,039.36	1,039.20
14	1,037.39	1,037.80	1,038.31	---	1,038.26	1,037.95	1,038.09	1,038.84	---	1,039.52	1,039.35
15	1,037.47	1,037.79	1,038.34	---	1,038.33	1,038.06	1,037.64	1,038.96	---	1,039.16	1,039.40
16	1,037.63	1,037.80	1,038.33	---	1,038.44	1,038.31	1,037.74	1,038.92	1,038.29	1,038.94	1,039.27
17	1,037.65	1,037.84	1,038.34	---	1,038.40	1,037.87	1,037.79	1,038.99	1,038.43	1,039.04	1,039.32
18	---	1,037.86	1,038.43	---	1,038.42	1,037.86	1,037.78	1,039.14	1,038.81	1,039.04	1,039.35
19	---	1,037.86	1,038.49	---	1,038.32	1,038.11	1,037.71	1,038.97	1,039.04	1,038.92	1,039.13
20	---	1,037.91	1,038.57	---	1,038.29	1,038.63	1,037.69	1,038.99	1,039.22	1,039.20	1,039.23
21	---	1,038.01	1,038.41	---	1,038.53	1,037.99	1,037.51	1,038.89	1,039.54	1,038.99	1,039.26
22	1,037.68	1,038.03	1,038.34	---	1,038.46	1,038.08	1,037.58	1,038.89	1,039.22	1,038.94	1,039.26
23	1,037.72	1,038.08	1,037.98	---	1,038.67	1,038.20	1,037.68	1,038.90	1,038.98	1,039.03	1,039.22
24	---	1,038.07	1,038.54	---	1,038.54	1,038.26	1,038.06	1,038.89	1,038.91	1,039.14	1,039.21
25	1,037.66	1,038.12	1,038.60	---	1,038.39	1,038.30	1,035.67	---	1,039.17	1,039.12	1,039.33
26	1,037.81	1,038.19	1,038.61	---	1,038.24	1,038.49	1,037.69	---	1,039.56	1,039.06	1,039.27
27	1,037.68	1,038.13	1,038.54	---	1,038.20	1,038.48	1,038.10	---	1,039.42	1,039.05	1,039.27
28	1,037.68	1,038.05	1,038.46	---	1,038.10	1,038.25	1,037.94	---	1,039.27	1,039.14	1,039.33
29	1,037.75	1,038.06	1,038.46	1,038.50	1,037.94	1,038.06	1,037.86	---	---	1,039.21	1,039.24
30	1,037.83	1,038.14	1,038.45	1,038.50	1,037.97	1,038.22	1,038.17	---	---	1,039.43	1,039.05
31	---	1,038.21	1,038.41	---	1,038.13	---	1,038.19	---	---	1,039.31	---
Mean	---	---	1,038.35	---	1,038.37	1,038.19	1,037.82	---	---	1,039.12	---
Max	---	---	1,038.61	---	1,038.70	1,038.72	1,038.19	---	---	1,039.52	---
Min	---	---	1,037.98	---	1,037.94	1,037.79	1,035.67	---	---	1,038.89	---

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Slit trench sump 4; USGS Site number 381526083341501; lat 38°15'26", long 83°34'15";
Altitude of top of sump, 1,051.51 feet above sea level

June 1984 through May 1985

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	1,036.98	1,033.61	---	1,035.44	---	---	1,038.73	1,039.62	1,039.36	---	---	1,034.99
5	---	---	1,034.51	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	1,037.26	---	---	---	---	1,034.34	---
9	1,032.78	---	---	1,035.60	---	---	1,039.06	1,039.20	---	---	---	1,035.08
10	---	1,033.81	1,034.65	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	1,039.28	---	---	1,032.08	---	---
13	---	---	---	---	---	---	---	1,039.15	---	---	---	1,035.15
14	---	---	1,034.78	---	---	---	---	---	---	---	1,034.53	---
15	1,032.93	1,033.97	---	1,036.59	1,034.58	---	1,038.94	1,039.36	---	1,032.53	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	1,039.64	---	---	1,034.64	---
19	---	---	1,034.94	---	1,034.80	---	1,039.28	---	---	---	---	---
20	1,033.15	1,034.09	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	1,034.17	---	---	---	---	1,039.25	1,039.30	---	---	1,034.79	---
25	1,034.34	---	1,035.11	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	1,039.56	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	1,034.89	---
30	1,033.50	1,034.35	1,035.27	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Mean	---	---	---	---	---	---	---	---	---	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Slit trench sump 4; USGS Site number 381526083341501; lat 38°15'26", long 83°34'15";
Altitude of top of sump, 1,051.51 feet above sea level--Continued

June 1985 through May 1986

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	---	---	---	---	---	---	---	---	---	1,034.26	1,035.77	1,034.04
2	---	---	---	---	---	---	---	---	---	1,034.31	1,035.87	1,034.08
3	---	---	---	---	---	---	---	---	---	1,034.35	1,035.99	---
4	1,034.41	---	1,034.59	---	---	---	---	---	---	1,034.39	1,036.11	---
5	1,033.42	1,034.12	---	---	---	---	---	---	---	1,034.43	1,036.28	---
6	---	---	---	1,032.02	---	---	---	---	---	1,034.48	1,036.47	---
7	---	---	---	---	---	---	---	---	---	1,034.51	1,036.64	---
8	---	---	---	---	---	---	---	---	---	1,034.52	1,036.87	---
9	---	---	---	---	---	---	---	---	---	1,034.58	---	---
10	1,033.58	---	---	---	---	---	---	---	---	1,034.63	---	---
11	---	---	---	---	---	---	---	---	1,033.24	1,034.81	---	---
12	---	---	---	---	---	---	---	---	1,033.31	1,034.86	---	---
13	---	1,034.30	---	1,032.17	---	---	---	---	1,033.39	1,034.88	---	---
14	---	---	---	---	---	---	---	---	1,033.49	1,034.91	---	1,034.54
15	1,033.69	---	---	---	---	---	---	---	1,033.56	1,034.95	1,033.02	1,034.57
16	---	---	---	---	---	---	---	---	1,033.66	1,034.98	1,033.09	1,034.61
17	---	---	---	---	---	---	---	---	1,033.74	1,035.01	1,033.17	1,034.64
18	---	---	---	---	---	---	---	---	1,033.82	1,035.06	1,033.27	1,034.68
19	1,033.80	1,034.39	---	1,032.28	---	---	---	---	1,033.89	1,035.14	1,033.35	1,034.72
20	---	---	---	---	---	---	---	---	1,033.96	1,035.15	1,033.43	1,034.74
21	---	---	---	---	---	---	---	---	1,034.01	1,035.17	1,033.50	1,034.78
22	---	---	---	---	---	---	---	---	1,034.07	1,035.20	1,033.57	1,034.81
23	---	---	---	---	---	---	---	---	1,034.13	1,035.26	1,033.61	1,034.84
24	1,033.90	1,034.48	---	1,032.02	---	---	---	---	1,034.18	1,035.29	1,033.67	1,034.87
25	---	---	---	---	---	---	---	---	1,034.08	1,035.34	1,033.73	1,034.89
26	---	---	---	---	---	---	---	---	1,034.15	1,035.40	1,033.79	1,034.93
27	---	---	---	---	---	---	---	---	1,034.15	1,035.44	1,033.84	1,034.96
28	1,033.98	---	---	---	---	---	---	---	1,034.23	1,035.49	1,033.91	1,034.99
29	---	1,034.55	---	---	---	---	---	---	---	1,035.56	1,033.94	1,035.03
30	---	---	---	1,032.51	---	---	---	---	---	1,035.62	1,033.98	1,035.06
31	---	---	---	---	---	---	---	---	---	1,035.68	---	1,035.11
Mean	---	---	---	---	---	---	---	---	---	1,034.96	---	---
Max	---	---	---	---	---	---	---	---	---	1,035.68	---	---
Min	---	---	---	---	---	---	---	---	---	1,034.26	---	---

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Slit trench sump 4; USGS Site number 381526083341501; lat 38°15'26", long 83°34'15";
Altitude of top of sump, 1,051.51 feet above sea level--Continued

June 1986 through May 1987

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	1,035.14	---	1,038.33	1,034.36	1,034.98	1,035.32	---	1,033.39	1,033.72	---	1,032.71	1,033.03
2	1,035.18	---	---	1,034.39	1,034.99	1,035.33	---	1,033.41	1,033.73	---	1,032.73	1,033.04
3	1,035.20	---	---	1,034.42	1,035.01	1,035.36	1,032.76	1,033.42	1,033.75	---	1,032.76	1,033.04
4	1,035.25	---	---	1,034.44	1,035.04	1,035.38	1,032.77	1,033.43	1,033.75	---	1,032.76	1,033.04
5	1,035.28	---	1,032.29	1,034.47	1,035.04	1,035.41	1,032.79	---	1,033.74	---	1,032.77	1,033.05
6	1,035.32	---	1,032.58	1,034.50	1,035.05	1,035.41	1,032.82	---	1,033.75	1,032.41	1,032.77	1,033.06
7	1,035.36	---	1,032.61	1,034.52	1,035.05	1,035.42	1,032.85	1,033.50	1,033.76	1,032.42	1,032.79	1,033.07
8	1,035.41	1,037.69	1,032.75	1,034.54	1,035.07	1,035.44	1,032.89	1,033.50	1,033.79	1,032.44	1,032.80	1,033.08
9	1,035.44	1,037.85	1,032.89	1,034.56	1,035.07	1,035.46	1,032.92	1,033.51	1,033.77	1,032.46	1,032.81	1,033.08
10	1,035.48	1,037.88	1,033.02	1,034.59	1,035.09	1,035.45	1,032.94	1,033.55	1,033.78	1,032.46	1,032.82	1,033.09
11	1,035.55	1,037.95	1,033.13	1,034.62	1,035.09	1,035.48	1,032.97	1,033.55	1,033.78	1,032.47	1,032.83	1,033.10
12	1,035.63	1,037.99	1,033.21	1,034.65	1,035.11	1,035.48	1,033.00	1,033.56	1,033.80	1,032.48	1,032.85	1,033.11
13	1,035.66	1,038.00	1,033.31	1,034.66	1,035.12	1,035.47	1,033.01	1,033.56	1,033.80	1,032.49	1,032.85	1,033.12
14	1,035.72	1,037.97	1,033.40	1,034.67	1,035.15	1,035.48	1,033.03	1,033.57	1,033.81	1,032.51	1,032.86	1,033.12
15	1,035.80	1,038.01	1,033.48	1,034.70	1,035.15	1,035.51	1,033.05	1,033.58	1,033.82	1,032.52	1,032.88	1,033.14
16	1,035.89	1,038.05	1,033.56	1,034.72	1,035.16	1,035.55	1,033.08	1,033.59	1,033.83	1,032.54	1,032.89	1,033.15
17	1,035.96	1,038.08	1,033.62	1,034.74	1,035.17	1,035.57	1,033.11	1,033.59	1,033.84	1,032.54	1,032.90	1,033.16
18	1,036.06	1,038.13	1,033.69	1,034.76	1,035.17	1,035.60	1,033.14	1,033.61	1,033.84	1,032.56	1,032.91	1,033.18
19	1,036.20	1,038.21	1,033.75	1,034.78	1,035.17	1,035.56	1,033.14	1,033.64	1,033.84	1,032.57	1,032.91	1,033.19
20	1,036.35	1,038.32	1,033.81	1,034.79	1,035.18	1,035.61	1,033.17	1,033.64	1,033.84	1,032.58	1,032.92	1,033.21
21	1,036.46	1,038.32	1,033.86	1,034.81	1,035.20	---	1,033.18	1,033.65	1,033.85	1,032.60	1,032.93	1,033.21
22	1,036.61	1,038.28	1,033.91	1,034.83	1,035.21	---	1,033.20	1,033.66	1,033.87	1,032.61	1,032.94	1,033.22
23	1,036.76	1,038.26	1,033.97	1,034.86	1,035.23	---	1,033.22	1,033.67	1,033.88	1,032.62	1,032.95	1,033.23
24	1,036.81	1,038.34	1,034.01	1,034.88	1,035.24	---	1,033.26	1,033.67	1,033.88	1,032.63	1,032.97	1,033.25
25	1,036.81	1,038.42	1,034.06	1,034.89	1,035.28	---	1,033.28	1,033.67	1,033.88	1,032.64	1,032.97	1,033.27
26	1,036.82	1,038.49	1,034.10	1,034.90	1,035.28	---	1,033.28	1,033.68	1,033.89	1,032.65	1,032.97	1,033.29
27	1,036.84	1,038.53	1,034.14	1,034.91	1,035.30	---	1,033.30	1,033.68	---	1,032.66	1,032.98	1,033.31
28	1,036.85	1,038.55	1,034.23	1,034.93	1,035.30	---	1,033.32	1,033.68	---	1,032.66	1,033.00	1,033.32
29	1,036.86	1,038.57	1,034.26	1,034.94	1,035.30	---	1,033.34	1,033.68	---	1,032.67	1,033.01	1,033.33
30	---	1,038.49	1,034.28	1,034.96	1,035.31	---	1,033.36	1,033.71	---	1,032.69	1,033.01	1,033.35
31	---	1,038.41	1,034.32	---	1,035.31	---	1,033.37	1,033.71	---	1,032.70	---	1,033.36
Mean	---	---	---	1,034.69	1,035.16	---	---	---	---	---	1,032.87	1,033.17
Max	---	---	---	1,034.96	1,035.31	---	---	---	---	---	1,033.01	1,033.36
Min	---	---	---	1,034.36	1,034.98	---	---	---	---	---	1,032.71	1,033.03

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Slit trench sump 4; USGS Site number 381526083341501; lat 38°15'26", long 83°34'15";
Altitude of top of sump, 1,051.51 feet above sea level--Continued

June 1987 through May 1988

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	1,033.38	1,033.96	1,034.46	1,034.97	1,035.39	1,035.56	1,036.44	1,036.25	1,036.68	1,036.88	---	1,037.23
2	1,033.39	1,033.98	1,034.48	1,034.98	1,035.39	1,035.60	1,036.30	1,036.21	1,036.79	1,036.93	---	1,037.22
3	1,033.41	1,034.00	1,034.51	1,034.99	1,035.39	1,035.63	1,036.49	1,036.37	1,036.78	1,037.04	---	1,037.26
4	1,033.42	1,034.01	1,034.53	1,035.00	1,035.39	1,035.67	1,036.31	1,036.41	1,036.77	1,037.01	---	---
5	1,033.43	1,034.03	1,034.54	1,035.02	1,035.40	1,035.66	1,036.24	1,036.28	1,036.68	1,036.88	---	---
6	1,033.44	1,034.05	1,034.55	1,035.03	1,035.41	1,035.62	1,036.17	1,036.26	1,036.64	1,036.94	---	---
7	1,033.47	1,034.07	1,034.57	1,035.05	1,035.41	1,035.68	1,036.18	1,036.40	1,036.70	1,036.91	---	1,037.22
8	1,033.48	1,034.08	1,034.59	1,035.07	1,035.41	1,035.72	1,036.23	1,036.48	1,036.73	1,036.96	---	1,037.26
9	1,033.51	1,034.10	1,034.61	1,035.08	1,035.42	1,035.73	1,036.33	1,036.44	1,036.78	1,037.10	---	1,037.33
10	1,033.52	1,034.10	1,034.62	1,035.09	1,035.42	1,035.79	1,036.35	1,036.39	1,036.75	1,037.11	---	1,037.32
11	1,033.53	1,034.11	1,034.64	1,035.11	1,035.43	1,035.80	1,036.51	1,036.44	1,036.85	1,037.04	---	1,037.22
12	1,033.56	1,034.12	1,034.66	1,035.12	1,035.43	1,035.82	1,036.42	1,036.57	1,036.88	1,037.16	1,037.32	1,037.17
13	1,033.58	1,034.12	1,034.67	1,035.13	1,035.43	1,035.87	1,036.22	1,036.44	1,036.85	1,037.13	1,037.30	1,037.21
14	1,033.60	1,034.13	1,034.69	1,035.16	1,035.44	1,035.83	1,036.27	1,036.34	1,036.86	1,037.15	1,037.31	1,037.23
15	1,033.62	1,034.13	1,034.70	1,035.16	1,035.45	1,035.78	1,036.41	1,036.46	1,036.99	1,037.11	1,037.29	1,037.26
16	1,033.64	1,034.13	1,034.72	1,035.18	1,035.45	1,035.86	1,036.29	1,036.50	1,036.85	1,037.03	1,037.21	1,037.32
17	1,033.65	1,034.14	1,034.74	1,035.21	1,035.45	1,035.97	1,036.15	1,036.61	1,036.81	1,036.99	1,037.28	1,037.31
18	1,033.67	1,034.14	1,034.75	1,035.23	1,035.46	1,035.81	1,036.17	1,036.57	1,036.82	1,037.11	1,037.39	1,037.28
19	1,033.69	1,034.15	1,034.76	1,035.24	1,035.46	1,035.86	1,036.23	1,036.74	1,037.04	1,037.19	1,037.35	1,037.30
20	1,033.71	1,034.15	1,034.77	1,035.25	1,035.46	1,035.97	1,036.28	1,036.82	1,037.05	1,037.11	1,037.31	1,037.28
21	1,033.73	1,034.16	1,034.79	1,035.26	1,035.46	1,035.86	1,036.20	1,036.66	1,036.88	1,037.05	1,037.35	1,037.28
22	1,033.75	1,034.16	1,034.81	1,035.27	1,035.47	1,035.91	1,036.32	1,036.63	1,036.97	1,037.03	1,037.36	1,037.28
23	1,033.80	1,034.17	1,034.83	1,035.28	1,035.48	1,035.94	1,036.16	1,036.71	1,036.93	1,037.06	1,037.37	1,037.32
24	1,033.83	1,034.17	1,034.83	1,035.30	1,035.49	1,035.88	1,036.23	1,036.74	1,036.86	1,037.08	1,037.35	1,037.36
25	1,033.85	1,034.17	1,034.85	1,035.31	1,036.49	1,036.21	1,036.32	1,036.75	1,036.90	1,037.18	1,037.34	1,037.25
26	1,033.88	---	1,034.87	1,035.32	1,035.50	1,036.22	1,036.26	1,036.66	1,036.90	1,037.20	1,037.34	1,037.17
27	1,033.90	---	1,034.89	1,035.33	1,035.53	1,036.26	1,036.29	1,036.51	1,036.97	1,037.09	1,037.33	1,037.18
28	1,033.91	1,034.41	1,034.90	1,035.34	1,035.56	1,036.34	1,036.44	1,036.47	1,036.93	1,037.04	1,037.27	1,037.19
29	1,033.93	1,034.42	1,034.91	1,035.36	1,035.57	1,036.39	1,036.21	1,036.53	1,036.93	1,037.11	1,037.28	1,037.21
30	1,033.94	1,034.43	---	1,035.38	1,035.59	1,036.42	1,036.22	1,036.59	---	---	1,037.23	1,037.19
31	---	1,034.45	---	---	1,035.55	---	1,036.34	1,036.63	---	---	---	1,037.19
Mean	1,033.64	---	---	1,035.17	1,035.49	1,035.89	1,036.29	1,036.51	1,036.85	---	---	---
Max	1,033.94	---	---	1,035.38	1,036.49	1,036.42	1,036.51	1,036.82	1,037.05	---	---	---
Min	1,033.38	---	---	1,034.97	1,035.39	1,035.56	1,036.15	1,036.21	1,036.64	---	---	---

Table 7.--Daily water-level altitudes in 15 trench sumps, June 1984 - April 1989--Continued

[Water level altitude is in feet above sea level; --, no data available]

Slit trench sump 4; USGS Site number 381526083341501; lat 38°15'26", long 83°34'15";
Altitude of top of sump, 1,051.51 feet above sea level--Continued

June 1988 through April 1989

Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
1	1,037.22	1,037.45	---	1,038.27	1,038.59	1,038.57	1,038.22	1,038.01	1,038.19	1,038.15	1,038.09
2	1,037.31	1,037.44	---	1,038.29	1,038.65	1,038.51	1,038.38	1,037.98	1,038.08	1,038.23	1,038.11
3	1,037.33	1,037.48	1,037.98	1,038.46	1,038.59	1,038.56	1,038.19	1,038.14	1,038.02	1,038.37	1,038.22
4	1,037.24	1,037.44	1,038.01	1,038.75	1,038.60	1,038.71	1,038.06	1,037.92	1,037.91	1,038.31	1,038.26
5	1,037.21	1,037.38	1,038.05	1,038.67	1,038.47	1,039.00	1,038.10	1,038.01	1,037.95	1,038.43	1,038.17
6	1,037.23	1,037.36	1,038.06	---	1,038.41	1,038.79	1,038.17	1,038.19	1,037.94	1,038.40	1,038.18
7	1,037.29	1,037.39	1,038.07	---	1,038.43	1,038.55	1,038.21	1,038.10	1,037.92	1,038.31	1,038.28
8	1,037.38	1,037.43	1,038.08	---	1,038.51	1,038.44	1,038.03	1,038.00	1,037.89	1,038.08	1,038.45
9	1,037.37	1,037.49	1,038.09	---	1,038.58	1,038.38	1,038.05	1,037.88	1,037.75	1,038.03	1,038.17
10	1,037.24	1,037.51	1,038.10	---	1,038.70	1,038.51	1,038.15	1,037.91	1,037.89	1,038.07	1,038.07
11	1,037.20	1,037.52	1,038.08	---	1,038.70	1,038.27	1,038.02	1,037.89	1,038.00	1,038.21	1,038.07
12	1,037.21	1,037.54	1,038.08	1,038.49	1,038.49	1,038.36	1,038.03	1,038.06	1,037.93	1,038.20	1,038.11
13	1,037.19	1,037.53	1,038.10	1,038.53	1,038.37	1,038.34	1,038.17	1,037.88	1,038.04	1,038.32	1,038.09
14	1,037.17	1,037.55	1,038.14	1,038.51	1,038.44	1,038.29	1,038.20	1,038.01	1,038.03	1,038.42	1,038.17
15	1,037.19	1,037.55	1,038.16	1,038.44	1,038.50	1,038.31	1,037.97	1,038.06	1,038.04	1,038.30	1,038.25
16	1,037.26	1,037.59	1,038.17	1,038.44	1,038.57	1,038.49	1,037.97	1,038.01	1,037.86	1,038.05	1,038.19
17	1,037.30	1,037.60	1,038.17	1,038.49	1,038.58	1,038.23	1,038.05	1,038.08	1,037.89	1,038.11	1,038.21
18	1,037.28	1,037.62	1,038.20	1,038.51	1,038.59	---	1,038.02	1,038.15	1,038.02	1,038.14	1,038.20
19	1,037.28	---	1,038.40	1,038.60	1,038.53	---	1,037.98	1,038.09	1,038.11	1,037.98	1,038.17
20	1,037.28	---	1,038.44	1,038.59	1,038.52	---	1,037.98	1,038.12	1,038.22	1,038.19	1,038.16
21	1,037.31	---	1,038.34	1,038.50	1,038.66	---	1,037.92	1,037.96	1,038.41	1,038.10	1,038.22
22	1,037.35	---	1,038.28	1,038.57	1,038.67	---	1,037.86	1,038.02	1,038.29	1,038.00	1,038.23
23	1,037.40	---	1,038.41	1,038.68	1,038.81	---	1,037.92	1,038.06	1,038.14	1,038.06	1,038.24
24	1,037.36	---	1,038.45	1,038.64	1,038.76	---	1,038.12	1,038.08	1,038.06	1,038.10	1,038.24
25	1,037.36	---	1,038.47	1,038.57	1,038.65	---	1,037.85	1,038.04	1,038.20	1,038.11	1,038.28
26	1,037.45	---	1,038.46	1,038.48	1,038.56	---	1,037.75	1,038.11	---	1,038.07	1,038.31
27	1,037.41	---	1,038.42	1,038.51	1,038.52	---	1,037.93	1,038.02	---	1,038.08	1,038.34
28	1,037.42	---	1,038.38	1,038.51	1,038.46	---	1,037.87	1,038.02	1,038.32	1,038.14	1,038.31
29	1,037.45	---	1,038.37	1,038.49	1,038.34	---	1,037.78	1,038.06	---	1,038.19	1,038.34
30	1,037.49	---	1,038.37	1,038.49	1,038.35	---	1,037.91	1,038.18	---	1,038.34	1,038.21
31	---	---	1,038.35	---	1,038.44	---	1,037.92	1,038.17	---	1,038.26	---
Mean	1,037.31	---	---	---	1,038.55	---	1,038.02	1,038.04	---	1,038.19	1,038.21
Max	1,037.49	---	---	---	1,038.81	---	1,038.38	1,038.19	---	1,038.43	1,038.45
Min	1,037.17	---	---	---	1,038.34	---	1,037.75	1,037.88	---	1,037.98	1,038.07

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381538083342001	01-02-85	--	838,500	Grab sample
Well UE1	03-05-85	--	1,094,500	Grab sample
	04-09-85	--	1,069,300	Grab sample
	05-08-85	--	1,142,100	Grab sample
	06-04-85	--	174,090	Grab sample
	07-03-85	--	671,820	Grab sample
	08-08-85	--	400,120	Grab sample
	09-17-85	--	555,630	Grab sample
	10-17-85	--	637,280	Grab sample
	11-13-85	--	276,860	Grab sample
	12-10-85	--	611,970	Grab sample
	01-08-86	--	639,740	Grab sample
	01-09-86	--	1,279,100	Purge well
	02-12-86	--	1,028,900	Grab sample
	03-12-86	--	1,037,100	Grab sample
	04-15-86	--	974,930	Grab sample
	05-15-86	--	224,340	Grab sample
	06-11-86	--	220,040	Grab sample
	07-08-86	--	486,250	Grab sample
	08-05-86	--	519,250	Grab sample
	09-03-86	--	596,130	Grab sample
	10-02-86	--	637,470	Grab sample
	11-03-86	--	648,930	Grab sample
	12-04-86	--	651,570	Grab sample
	01-07-87	3,600	693,560	Grab sample
	04-02-87	3,800	1,036,800	Grab sample
	04-28-87	4,000	1,031,900	Grab sample
	05-27-87	4,000	1,070,300	Grab sample
	06-22-87	3,800	1,087,800	Grab sample
	07-27-87	3,500	901,800	Grab sample
	09-01-87	3,700	1,026,100	Grab sample
	10-01-87	3,700	941,380	Grab sample
	10-28-87	3,900	1,000,300	Grab sample
	11-24-87	3,800	907,670	Grab sample
	12-22-87	3,900	1,362,600	Grab sample
	01-22-88	2,700	554,540	Grab sample
	02-25-88	3,700	1,648,000	Purge well
	03-18-88	2,700	1,025,500	Purge well
	04-13-88	3,800	1,978,100	Purge well
	05-13-88	3,800	1,943,300	Purge well

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381538083342001	06-10-88	3,600	1,984,900	Purge well
Well UE1--Continued	07-07-88	3,700	1,892,000	Purge well
	08-04-88	3,400	1,639,100	Purge well
	09-02-88	3,100	1,424,400	Purge well
	10-05-88	3,200	1,409,500	Purge well
	11-03-88	3,500	1,639,600	Purge well
	12-02-88	3,600	1,666,800	Purge well
	12-29-88	2,600	1,055,500	Purge well
	Maximum tritium value, 1,984,900, June 10, 1988			
	Minimum tritium value, 174,090, June 4, 1985			
381538083342002	08-02-84	--	1,498,000	Grab sample
Well UE2	09-11-84	--	967,240	Grab sample
	10-12-84	--	864,270	Grab sample
	11-09-84	--	863,020	Grab sample
	12-04-84	--	907,590	Grab sample
	01-02-85	--	1215,000	Grab sample
	03-05-85	--	1259,800	Grab sample
	04-09-85	--	1219,100	Grab sample
	05-08-85	--	1189,400	Grab sample
	06-04-85	--	1174,500	Grab sample
	07-03-85	--	1082,800	Grab sample
	08-08-85	--	956,110	Grab sample
	09-04-85	--	895,510	Grab sample
	09-17-85	--	1,461,900	Grab sample
	10-17-85	--	1,335,400	Grab sample
	11-13-85	--	557,590	Grab sample
	12-10-85	--	862,630	Grab sample
	01-08-86	--	926,540	Grab sample
	01-09-86	--	951,340	Purge well
	02-12-86	--	541,300	Grab sample
	03-12-86	--	887,710	Grab sample
	04-15-86	--	620,140	Grab sample
	05-15-86	--	333,050	Grab sample
	06-11-86	--	414,910	Grab sample
	07-08-86	--	420,210	Grab sample
	08-05-86	--	525,340	Grab sample

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381538083342002	09-03-86	--	454,800	Grab sample
Well UE2--Continued	10-02-86	--	342,140	Grab sample
	11-03-86	--	410,100	Grab sample
	12-04-86	--	217,200	Grab sample
	01-07-87	4,000	617,980	Grab sample
	02-06-87	3,600	659,320	Grab sample
	03-06-87	4,300	799,470	Grab sample
	04-02-87	4,100	774,740	Grab sample
	04-28-87	4,000	748,380	Grab sample
	05-27-87	4,000	768,850	Grab sample
	06-22-87	3,200	506,280	Grab sample
	07-27-87	2,400	284,460	Grab sample
	09-01-87	2,500	324,180	Grab sample
	10-01-87	3,200	430,530	Grab sample
	10-28-87	3,800	529,610	Grab sample
	11-25-87	3,500	507,620	Grab sample
	12-22-87	4,000	1,080,600	Grab sample
	01-22-88	4,000	1,120,300	Grab sample
	04-13-88	3,600	1,748,400	Purge well
	05-13-88	3,700	1,472,000	Purge well
	06-10-88	3,400	1,361,600	Purge well
	07-07-88	3,600	1,422,300	Purge well
	08-04-88	2,100	674,640	Purge well
	09-01-88	1,000	212,620	Purge well
	10-05-88	1,800	500,840	Purge well
	11-03-88	1,400	254,440	Purge well
	12-02-88	2,100	580,910	Purge well
	12-28-88	2,900	792,670	Purge well
	02-16-89	1,400	290,460	Purge well
	03-16-89	2,400	771,530	Purge well
	04-13-89	2,800	1,061,500	Grab sample
	04-14-89	3,400	1,554,200	Purge well
	Maximum tritium value,		1,748,400, April 13, 1988	
	Minimum tritium value,		212,620, September 1, 1988	

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381538083342003	08-02-84	--	2,063,200	Grab sample
Well UE3	09-11-84	--	2,402,200	Grab sample
	09-25-84	--	1,042,500	Grab sample
	10-12-84	--	744,400	Grab sample
	11-09-84	--	34,150	Grab sample
	12-04-84	--	482,160	Grab sample
	01-02-85	--	596,420	Grab sample
	03-05-85	--	679,990	Grab sample
	04-09-85	--	165,470	Grab sample
	05-08-85	--	133,300	Grab sample
	06-04-85	--	28,024	Grab sample
	07-03-85	--	112,770	Grab sample
	08-07-85	--	130,980	Grab sample
	09-17-85	--	132,730	Grab sample
	10-17-85	--	57,196	Grab sample
	11-13-85	--	35,344	Grab sample
	12-10-85	--	82,406	Grab sample
	01-08-86	--	284,990	Grab sample
	02-12-86	--	56,397	Grab sample
	03-12-86	--	2,336,200	Grab sample
	04-15-86	--	173,650	Grab sample
	05-15-86	--	25,590	Grab sample
	06-11-86	--	42,342	Grab sample
	07-08-86	--	95,528	Grab sample
	08-05-86	--	119,700	Grab sample
	09-03-86	--	47,490	Grab sample
	10-02-86	--	45,821	Grab sample
	11-03-86	--	103,750	Grab sample
	12-04-86	--	16,345	Grab sample
	01-07-87	3,100	192,580	Grab sample
	02-03-87	2,600	103,840	Grab sample
	03-06-87	3,200	205,170	Grab sample
	04-02-87	3,300	158,890	Grab sample
	04-28-87	3,400	113,290	Grab sample
	05-27-87	3,400	81,002	Grab sample
	06-22-87	3,500	30,517	Grab sample
	07-27-87	3,400	38,205	Grab sample
	09-01-87	5,600	128,990	Grab sample
	10-01-87	5,300	104,050	Grab sample
	10-28-87	5,600	199,140	Grab sample

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381538083342003	11-24-87	5,400	284,330	Grab sample
Well UE3--Continued	12-22-87	4,200	552,530	Grab sample
	01-22-88	3,000	633,530	Grab sample
	04-12-88	3,500	499,590	Grab sample
	06-10-88	3,900	111,650	Grab sample
	07-07-88	5,200	121,930	Grab sample
	08-04-88	4,100	75,046	Grab sample
	10-05-88	4,100	88,818	Grab sample
	12-02-88	2,000	79,010	Grab sample
	12-28-88	610	27,904	Grab sample
	02-16-89	500	14,753	Grab sample
	03-16-89	1,400	126,360	Grab sample
	04-13-89	1,700	78,229	Grab sample
	Maximum tritium value, 2,402,200, September 11, 1984			
	Minimum tritium value, 14,753, February 16, 1989			
381537083342101	08-02-84	--	167,510	Grab sample
Well UE7	09-11-84	--	180,160	Grab sample
	09-25-84	--	162,210	Grab sample
	10-12-84	--	140,450	Grab sample
	11-09-84	--	130,020	Grab sample
	12-04-84	--	113,110	Grab sample
	01-02-85	--	88,605	Grab sample
	03-05-85	--	69,436	Grab sample
	04-09-85	--	62,999	Grab sample
	05-08-85	--	58,052	Grab sample
	06-04-85	--	56,096	Grab sample
	07-03-85	--	53,527	Grab sample
	08-07-85	--	46,738	Grab sample
	09-17-85	--	42,624	Grab sample
	10-17-85	--	40,883	Grab sample
	11-13-85	--	37,710	Grab sample
	12-10-85	--	35,640	Grab sample
	01-08-86	--	36,452	Grab sample
	02-12-86	--	34,902	Grab sample
	03-12-86	--	33,219	Grab sample
	04-15-86	--	31,875	Grab sample

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381537083342101	05-15-86	--	31,193	Grab sample
Well UE7--Continued	06-11-86	--	30,456	Grab sample
	07-08-86	--	3,151	Grab sample
	08-05-86	--	31,008	Grab sample
	09-03-86	--	19,393	Grab sample
	10-02-86	--	27,895	Grab sample
	11-03-86	--	27,143	Grab sample
	12-04-86	--	27,660	Grab sample
	01-07-87	4,200	25,102	Grab sample
	02-06-87	4,300	24,776	Grab sample
	03-06-87	4,200	25,253	Grab sample
	04-02-87	4,200	24,113	Grab sample
	04-28-87	4,200	22,870	Grab sample
	05-27-87	4,200	23,067	Grab sample
	06-22-87	4,000	22,889	Grab sample
	07-27-87	4,200	22,372	Grab sample
	09-01-87	4,000	22,241	Grab sample
	10-01-87	3,900	23,317	Grab sample
	10-28-87	3,900	22,933	Grab sample
	11-24-87	4,000	21,514	Grab sample
	12-22-87	4,000	21,601	Grab sample
	01-22-88	3,200	15,639	Grab sample
	04-12-88	3,900	19,138	Grab sample
	10-19-88	3,500	20,007	Grab sample
	04-13-89	3,700	19,349	Grab sample
	Maximum tritium value, 180,160, September 11, 1984			
	Minimum tritium value, 3,151, July 8, 1986			
381536083342201	08-16-84	--	29,308	Grab sample
Well UE8	09-11-84	--	30,287	Grab sample
	11-09-84	--	196,200	Grab sample
	12-04-84	--	167,650	Grab sample
	01-02-85	--	138,360	Grab sample
	03-05-85	--	126,940	Grab sample
	04-09-85	--	118,020	Grab sample
	05-08-85	--	113,930	Grab sample
	06-04-85	--	112,110	Grab sample

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381536083342201	07-03-85	--	109,850	Grab sample
Well UE8--Continued	08-07-85	--	99,846	Grab sample
	09-17-85	--	97,362	Grab sample
	10-17-85	--	97,326	Grab sample
	11-13-85	--	88,546	Grab sample
	12-10-85	--	107,180	Grab sample
	01-08-86	--	100,650	Grab sample
	02-12-86	--	95,441	Grab sample
	03-12-86	--	26,527	Grab sample
	04-15-86	--	29,209	Grab sample
	05-15-86	--	33,554	Grab sample
	06-11-86	--	34,445	Grab sample
	07-08-86	--	34,370	Grab sample
	08-05-86	--	35,030	Grab sample
	09-03-86	--	34,803	Grab sample
	10-02-86	--	33,762	Grab sample
	11-03-86	--	34,746	Grab sample
	12-04-86	--	36,974	Grab sample
	01-07-87	2,400	52,385	Grab sample
	02-06-87	2,400	53,670	Grab sample
	03-06-87	2,400	54,600	Grab sample
	04-02-87	2,400	52,833	Grab sample
	04-28-87	2,400	49,608	Grab sample
	05-27-87	2,400	50,264	Grab sample
	06-22-87	1,200	18,196	Grab sample
	07-27-87	2,600	48,832	Grab sample
	09-01-87	2,700	47,638	Grab sample
	10-01-87	2,600	49,376	Grab sample
	10-28-87	2,600	48,140	Grab sample
	11-24-87	2,600	47,004	Grab sample
	12-22-87	2,600	44,427	Grab sample
	01-22-88	2,600	45,260	Grab sample
	02-25-88	600	3,155.2	Purge well
	03-18-88	700	9,765.2	Purge well
	04-13-88	600	13,026	Purge well
	05-13-88	800	27,896	Purge well
	06-10-88	820	25,475	Purge well
	07-07-88	1,000	27,493	Purge well
	08-04-88	2,400	26,112	Purge well
	10-05-88	4,400	21,287	Purge well

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381536083342201	11-03-88	4,400	20,816	Purge well
Well UE8--Continued	12-02-88	4,400	20,835	Purge well
	02-17-89	1,600	49,701	Purge well
	03-15-89	1,100	27,965	Grab sample
	03-16-89	500	15,678	Purge well
	04-14-89	540	14,804	Purge well
	Maximum tritium value, 196,200, November 9, 1984			
	Minimum tritium value, 3155.2, February 25, 1988			
381540083341901	08-09-84	--	1,033,800	Grab sample
Well UE9	09-11-84	--	910,090	Grab sample
	10-12-84	--	790,700	Grab sample
	11-09-84	--	735,700	Grab sample
	12-04-84	--	411,170	Grab sample
	01-02-85	--	57,725	Grab sample
	03-05-85	--	70,883	Grab sample
	04-06-85	--	54,323	Grab sample
	05-08-85	--	73,032	Grab sample
	06-04-85	--	65,999	Grab sample
	07-03-85	--	58,107	Grab sample
	08-07-85	--	90,771	Grab sample
	09-17-85	--	117,410	Grab sample
	10-17-85	--	167,350	Grab sample
	11-13-85	--	2,703.4	Grab sample
	01-08-86	--	13,480	Grab sample
	02-12-86	--	2,573.8	Grab sample
	03-12-86	--	3,910.8	Grab sample
	04-15-86	--	22,366	Grab sample
	05-15-86	--	46,225	Grab sample
	06-11-86	--	44,529	Grab sample
	07-08-86	--	42,059	Grab sample
	08-05-86	--	58,068	Grab sample
	09-03-86	--	70,015	Grab sample
	10-02-86	--	88,246	Grab sample
	11-03-86	--	116.2	Grab sample
	12-04-86	--	1,236.5	Grab sample
	01-07-87	640	2,892.7	Grab sample

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381540083341901	02-06-87	640	1,144.5	Grab sample
Well UE9--Continued	03-06-87	560	4,651.7	Grab sample
	04-02-87	550	1,043.5	Grab sample
	04-28-87	600	1,675.8	Grab sample
	05-27-87	1,000	8,899.7	Grab sample
	06-22-87	2,500	49,004	Grab sample
	07-27-87	1,000	7,291.5	Grab sample
	09-01-87	1,100	14,141	Grab sample
	10-01-87	1,200	18,278	Grab sample
	10-28-87	1,500	24,384	Grab sample
	11-24-87	1,800	33,564	Grab sample
	12-22-87	2,200	60,330	Grab sample
	01-22-88	800	2,576.0	Grab sample
	04-12-88	1,400	24,778	Grab sample
	10-19-88	2,300	52,092	Grab sample
	04-13-89	470	846.91	Grab sample
	Maximum tritium value, 1,033,800, August 9, 1984			
	Minimum tritium value, 116.25, November 3, 1986			
381539083341901	09-11-84	--	2,083,100	Grab sample
Well UE11	09-25-84	--	2,051,800	Grab sample
	10-12-84	--	2,354,100	Grab sample
	11-09-84	--	2,025,300	Grab sample
	01-02-85	--	753,640	Grab sample
	03-05-85	--	1,165,800	Grab sample
	04-09-85	--	198,370	Grab sample
	05-08-85	--	806,800	Grab sample
	06-04-85	--	758,800	Grab sample
	07-03-85	--	418,100	Grab sample
	08-07-85	--	581,900	Grab sample
	09-17-85	--	671,550	Grab sample
	10-17-85	--	604,640	Grab sample
	11-13-85	--	289,920	Grab sample
	12-10-85	--	367,390	Grab sample
	01-08-86	--	451,980	Grab sample
	02-12-86	--	401,470	Grab sample
	03-12-86	--	484,285	Grab sample

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381539083341901	04-15-86	--	462,860	Grab sample
Well UE11--Continued	05-15-86	--	40,891	Grab sample
	06-11-86	--	302,910	Grab sample
	07-08-86	--	164,290	Grab sample
	08-05-86	--	356,560	Grab sample
	09-03-86	--	363,230	Grab sample
	10-02-86	--	249,690	Grab sample
	11-03-86	--	329,870	Grab sample
	12-04-86	--	12,392	Grab sample
	01-07-87	2,200	195,520	Grab sample
	02-06-87	1,900	157,240	Grab sample
	03-06-87	2,000	232,950	Grab sample
	04-02-87	1,600	128,720	Grab sample
	04-28-87	1,900	156,820	Grab sample
	05-27-87	1,000	71,823	Grab sample
	06-22-87	1,400	111,110	Grab sample
	07-27-87	1,200	101,890	Grab sample
	09-01-87	1,300	66,960	Grab sample
	10-01-87	1,700	112,820	Grab sample
	10-28-87	2,400	117,110	Grab sample
	11-24-87	1,300	107,540	Grab sample
	12-22-87	2,700	464,570	Grab sample
	01-22-88	1,600	165,410	Grab sample
	02-25-88	3,300	760,190	Purge well
	03-18-88	2,600	688,580	Purge well
	04-13-88	3,700	1,211,800	--
	05-13-88	3,600	1,100,600	Purge well
	06-10-88	3,500	1,043,900	Purge well
	07-07-88	2,700	1,415,500	Purge well
	08-04-88	2,100	454,300	Purge well
	09-02-88	3,500	1,133,600	Purge well
	10-05-88	3,000	809,370	Purge well
	11-03-88	3,400	930,980	Purge well
	12-02-88	3,800	1,112,300	Purge well
	12-29-88	3,500	1,199,500	Purge well
	02-17-89	2,200	505,310	Purge well
	03-16-89	2,400	593,620	Purge well

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381539083341901	03-16-89	2,000	476,060	Grab sample
Well UE11--Continued	04-14-89	3,000	840,450	Purge well
	Maximum tritium value, 2,354,100, October 12, 1984			
	Minimum tritium value, 12,392, December 4, 1986			
381540083341801	08-13-85	3,200	1,136,500	Grab sample
Well UF1	09-17-85	--	789,160	Grab sample
	10-17-85	3,100	695,550	Grab sample
	11-13-85	160	16,599	Grab sample
	12-10-85	320	49,865	Grab sample
	12-11-85	2,700	624,010	Grab sample
	01-08-86	--	660,370	Grab sample
	02-12-86	--	666,730	Grab sample
	03-12-86	--	645,010	Grab sample
	04-15-86	--	728,410	Grab sample
	05-15-86	--	681,440	Grab sample
	06-11-86	--	723,030	Grab sample
	07-08-86	--	674,850	Grab sample
	08-05-86	--	627,510	Grab sample
	09-03-86	--	566,900	Grab sample
	10-02-86	--	594,540	Grab sample
	01-07-87	64	5,457.9	Grab sample
	02-06-87	200	30,379	Grab sample
	03-06-87	290	48,989	Grab sample
	04-02-87	420	70,282	Grab sample
	04-28-87	1,200	9,469.7	Grab sample
	05-27-87	1,400	73,544	Grab sample
	06-22-87	1,400	84,882	Grab sample
	07-27-87	1,200	69,779	Grab sample
	09-01-87	1,100	78,217	Grab sample
	10-01-87	3,100	835,540	Grab sample
	10-28-87	3,000	726,580	Grab sample
	11-24-87	3,000	692,160	Grab sample
	12-22-87	2,900	672,580	Grab sample
	01-22-88	2,800	657,330	Grab sample
	02-25-88	2,900	627,860	Purge well
	03-18-88	3,100	842,720	Purge well

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381540083341801	04-13-88	3,100	854,600	Purge well
Well UF1--Continued	05-13-88	3,100	708,430	Purge well
	06-10-88	2,900	632,230	Purge well
	07-07-88	3,100	801,270	Purge well
	08-04-88	3,100	790,730	Purge well
	09-02-88	2,900	849,690	Purge well
	10-05-88	3,000	697,840	Purge well
	11-03-88	3,000	827,340	Purge well
	12-02-88	3,200	819,970	Purge well
	12-29-88	3,100	749,770	Purge well
	02-17-89	3,000	712,870	Purge well
	03-16-89	3,000	583,410	Purge well
	03-16-89	3,000	678,410	Grab sample
	04-14-89	3,000	678,680	Purge well
	Maximum tritium value, 1,136,500, August 13, 1985			
	Minimum tritium value, 5457.9, January 7, 1987			
381541083341701	06-26-85	--	926,570	Grab sample
Well UF2	08-13-85	--	840,340	Grab sample
	10-17-85	--	781,550	Grab sample
	11-13-85	--	727,000	Grab sample
	12-10-85	--	724,620	Grab sample
	01-08-86	--	697,310	Grab sample
	02-12-86	--	701,460	Grab sample
	03-12-86	--	678,350	Grab sample
	04-15-86	--	681,170	Grab sample
	05-15-86	--	661,280	Grab sample
	06-11-86	--	634,080	Grab sample
	07-08-86	--	609,880	Grab sample
	08-05-86	--	595,660	Grab sample
	09-03-86	--	571,650	Grab sample
	10-02-86	--	580,170	Grab sample
	11-03-86	--	574,280	Grab sample
	01-07-87	3,000	583,240	Grab sample
	02-06-87	3,200	561,860	Grab sample
	03-06-87	3,200	560,090	Grab sample
	04-02-87	3,200	571,920	Grab sample

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381541083341701	04-28-87	3,200	631,650	Grab sample
Well UF2--Continued	05-27-87	3,300	550,610	Grab sample
	06-22-87	3,100	550,750	Grab sample
	07-27-87	3,200	516,520	Grab sample
	09-01-87	3,200	500,540	Grab sample
	10-01-87	3,300	822,700	Grab sample
	10-28-87	3,200	769,630	Grab sample
	11-24-87	3,200	716,570	Grab sample
	12-22-87	3,300	751,210	Grab sample
	01-22-88	3,200	807,550	Grab sample
	04-12-88	3,300	895,960	Grab sample
	06-10-88	3,200	817,860	Grab sample
	07-07-88	3,600	788,510	Grab sample
	08-04-88	2,800	659,310	Grab sample
	10-05-88	2,800	666,260	Grab sample
	12-28-88	2,800	608,190	Grab sample
	02-16-89	2,900	740,120	Grab sample
	03-16-89	3,200	773,680	Grab sample
	04-13-89	3,100	781,670	Grab sample
	Maximum tritium value, 926,570, June 26, 1985			
	Minimum tritium value, 500,540, September 1, 1987			
381543083341601	10-02-86	--	387,470	Grab sample
Well UF4	11-03-86	--	358,210	Grab sample
	01-22-88	1,600	116,630	Grab sample
	04-12-88	2,300	91,864	Grab sample
	10-19-88	1,800	97,978	Grab sample
	04-13-89	2,100	45,466	Grab sample
	Maximum tritium value, 387,470, October 2, 1986			
	Minimum tritium value, 45,466, April 13, 1989			

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381543083341501	01-08-86	--	392,670	Grab sample
Well UF5	02-12-86	--	384,530	Grab sample
	03-12-86	--	397,130	Grab sample
	04-15-86	--	389,190	Grab sample
	05-15-86	--	397,780	Grab sample
	06-11-86	--	384,620	Grab sample
	07-08-86	--	372,090	Grab sample
	08-05-86	--	365,120	Grab sample
	09-03-86	--	357,360	Grab sample
	10-02-86	--	357,710	Grab sample
	11-03-86	--	355,370	Grab sample
	01-07-87	3,600	357,580	Grab sample
	02-06-87	2,900	229,460	Grab sample
	03-06-87	2,600	211,340	Grab sample
	04-02-87	2,900	256,290	Grab sample
	04-28-87	3,000	545,990	Grab sample
	05-27-87	3,200	281,860	Grab sample
	06-22-87	3,100	294,980	Grab sample
	07-27-87	3,300	296,020	Grab sample
	09-01-87	3,300	280,610	Grab sample
	10-01-87	3,200	288,100	Grab sample
	10-28-87	3,500	336,300	Grab sample
	11-24-87	3,500	327,430	Grab sample
	12-22-87	3,500	334,050	Grab sample
	01-22-88	3,500	315,710	Grab sample
	02-25-88	3,600	346,850	Purge well
	03-18-88	3,500	327,410	Purge well
	04-13-88	3,600	374,880	Purge well
	05-13-88	3,700	370,980	Purge well
	06-10-88	3,600	379,560	Purge well
	07-07-88	3,700	371,930	Purge well
	08-04-88	3,500	353,990	Purge well
	09-02-88	3,000	299,560	Purge well
	10-05-88	3,500	382,840	Purge well
	11-03-88	3,600	383,650	Purge well
	12-02-88	3,600	374,050	Purge well
	12-29-88	3,800	372,750	Purge well
	02-17-89	3,400	346,200	Purge well
	03-16-89	3,200	313,370	Purge well

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381543083341501	03-16-89	3,300	308,970	Grab sample
Well UF5--Continued	04-14-89	3,400	332,420	Purge well
	Maximum tritium value, 397,780, May 15, 1986			
	Minimum tritium value, 211,340, March 6, 1987			
381544083341401	01-08-86	--	18,799	Grab sample
Well UF6	02-12-86	--	13,952	Grab sample
	03-12-86	--	11,604	Grab sample
	04-15-86	--	9,552.6	Grab sample
	05-15-86	--	8,991.6	Grab sample
	06-11-86	--	8,477.6	Grab sample
	07-08-86	--	8,187.3	Grab sample
	08-05-86	--	8,746.6	Grab sample
	09-03-86	--	9,275.9	Grab sample
	04-02-87	6,400	10,666	Grab sample
	04-28-87	6,400	26,720	Grab sample
	Maximum tritium value, 26,720, April 28, 1987			
	Minimum tritium value, 8,187.3, July 8, 1986			
381544083341201	01-08-86	--	1,831.1	Grab sample
Well UF8	02-12-86	--	1,760.9	Grab sample
	04-15-86	--	1,369.0	Grab sample
	07-08-86	--	669.68	Grab sample
	10-02-86	--	592.33	Grab sample
	10-01-87	4,200	620.30	Grab sample
	Maximum tritium value, 1,831.1, January 8, 1986			
	Minimum tritium value, 592.33, October 2, 1986			
381543083341101	10-17-85	--	43.35	Grab sample
Well UF9	10-02-86	--	14.97	Grab sample

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381542083341001	08-13-85	--	2,111.0	Grab sample
Well UF10	10-17-85	--	417.80	Grab sample
	04-15-86	--	775.78	Grab sample
	10-02-86	--	803.12	Grab sample
	02-06-87	3,600	913.63	Grab sample
	03-06-87	3,600	913.64	Grab sample
	04-02-87	3,600	916.00	Grab sample
	04-28-87	3,600	915.97	Grab sample
	05-27-87	3,600	956.47	Grab sample
	06-22-87	3,500	1,015.6	Grab sample
	07-27-87	3,600	1,027.4	Grab sample
	09-01-87	3,600	930.69	Grab sample
	10-01-87	3,500	968.33	Grab sample
	10-28-87	3,700	684.78	Grab sample
	11-24-87	3,700	696.27	Grab sample
	12-22-87	3,800	678.99	Grab sample
	01-22-88	3,600	631.96	Grab sample
	02-25-88	3,800	1,124.9	Purge well
	03-18-88	3,800	1,331.2	Purge well
	04-12-88	3,800	865.37	Purge well
	05-13-88	3,700	1,224.6	Purge well
	06-10-88	3,600	1,277.4	Purge well
	07-07-88	3,700	1,209.6	Purge well
	08-04-88	3,700	1,249.6	Purge well
	09-02-88	3,600	1,307.7	Purge well
	10-05-88	3,600	1,104.2	Purge well
	11-03-88	3,600	1,048.6	Purge well
	12-28-88	3,400	1,417.5	Purge well
	12-29-88	3,600	1,395.1	Purge well
	02-17-89	3,600	1,290.7	Purge well
	03-16-89	3,600	730.67	Purge well
	03-16-89	3,600	743.65	Grab sample
	04-14-89	3,600	1,368.7	Purge well

Maximum tritium value, 2,111.0, August 13, 1985
Minimum tritium value, 417.80, October 17, 1985

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381542083340901	08-13-85	3,300	8.73	Grab sample
Well UF11	10-17-85	3,000	3.67	Grab sample
	04-16-86	--	1.72	Grab sample
	10-02-86	--	3.06	Grab sample
	04-02-87	2,800	5.90	Grab sample
	10-01-87	2,600	2.47	Grab sample
	04-11-88	2,600	2.69	Grab sample
	10-20-88	2,200	0.88	Grab sample
	04-13-89	2,400	2.19	Grab sample
	Maximum tritium value, 8.73, August 13, 1985			
	Minimum tritium value, 0.88, October 20, 1988			
381541083340801	08-13-85	2,300	24.74	Grab sample
Well UF12	10-17-85	1,800	14.57	Grab sample
	04-16-86	--	5.74	Grab sample
	10-02-86	--	5.02	Grab sample
	04-02-87	3,500	7.49	Grab sample
	10-01-87	3,300	19.16	Grab sample
	04-11-88	2,800	16.98	Grab sample
	10-20-88	2,300	1.89	Grab sample
	04-13-89	2,000	1.84	Grab sample
	Maximum tritium value, 24.74, August 13, 1985			
	Minimum tritium value, 1.84, April 13, 1989			
381541083340701	07-10-85	2,400	6.39	Grab sample
Well UF13	08-13-85	3,000	4.30	Grab sample
	10-17-85	2,400	0.80	Grab sample
	04-16-86	--	3.11	Grab sample
	10-02-86	--	0.56	Grab sample
	04-02-87	2,600	1.66	Grab sample
	10-01-87	2,100	4.84	Grab sample
	04-11-88	2,100	9.99	Grab sample

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381541083340701	10-20-88	2,000	0.13	Grab sample
Well UF13--Continued	04-13-89	2,000	0.22	Grab sample
	Maximum tritium value, 9.99, April 11, 1988			
	Minimum tritium value, 0.13, October 20, 1988			
381540083340601	07-10-85	2,400	700.16	Grab sample
Well UF14	07-11-85	2,200	1.37	Grab sample
	08-13-85	2,400	9.88	Grab sample
	10-17-85	3,400	8.35	Grab sample
	04-15-86	--	4.46	Grab sample
	10-02-86	--	1.88	Grab sample
	04-02-87	2,600	1.94	Grab sample
	10-01-87	2,400	6.77	Grab sample
	04-11-88	2,300	2.53	Grab sample
	10-20-88	2,200	0.41	Grab sample
	04-13-89	1,800	0.37	Grab sample
	Maximum tritium value, 700.16, July 10, 1985			
	Minimum tritium value, 0.37, April 13, 1989			
381539083340501	08-13-85	1,900	8.05	Grab sample
Well UF15	10-17-85	2,500	5.12	Grab sample
	04-16-86	--	2.87	Grab sample
	10-02-86	--	2.94	Grab sample
	04-02-87	3,100	5.52	Grab sample
	10-01-87	2,900	6.96	Grab sample
	04-11-88	2,900	2.85	Grab sample
	10-20-88	2,800	0.88	Grab sample
	04-13-89	2,600	2.06	Grab sample
	Maximum tritium value, 8.05, August 13, 1985			
	Minimum tritium value, 0.88, October 20, 1988			

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381539083340401	07-26-85	3,500	0.46	Grab sample
Well UF16	08-13-85	3,800	0.98	Grab sample
	10-17-85	3,800	0.85	Grab sample
	04-16-86	--	0.27	Grab sample
	10-02-86	--	0.42	Grab sample
	04-02-87	3,600	2.97	Grab sample
	10-01-87	3,600	1.00	Grab sample
	10-20-88	3,700	0.19	Grab sample
	Maximum tritium value, 2.97, April 2, 1987			
	Minimum tritium value, 0.19, October 20, 1988			
381538083340301	07-12-85	3,200	2.05	Grab sample
Well UF17	08-13-85	3,300	2.00	Grab sample
	10-17-85	3,400	2.06	--
	04-16-86	--	1.02	Grab sample
	10-02-86	--	1.05	Grab sample
	04-02-87	3,300	1.43	Grab sample
	10-01-87	3,300	9.21	Grab sample
	04-11-88	3,400	0.70	Grab sample
	10-20-88	3,300	0.32	Grab sample
	04-13-89	3,200	0.66	Grab sample
	Maximum tritium value, 9.21, October 1, 1987			
	Minimum tritium value, 0.32, October 20, 1988			
381538083340201	10-17-85	--	0.83	Grab sample
Well UF18	04-16-86	--	1.03	Grab sample
	10-02-86	--	0.45	Grab sample
	04-02-87	4,000	1.20	Grab sample
	10-01-87	3,900	0.82	Grab sample
	04-11-88	3,100	0.44	Grab sample
	10-20-88	2,500	0.69	Grab sample
	04-12-89	1,900	0.22	Grab sample
	Maximum tritium value, 1.20, April 2, 1987			
	Minimum tritium value, 0.22, April 4, 1989			

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381537083340301	10-17-85	7,000	2.84	Grab sample
Well UF19	04-16-86	--	0.35	Grab sample
	07-24-86	--	0.39	Grab sample
	08-20-86	--	0.63	Grab sample
	10-02-86	--	0.48	Grab sample
	04-02-87	4,700	0.54	Grab sample
	10-01-87	4,800	0.65	Grab sample
	04-11-88	4,400	0.06	Grab sample
	10-19-88	4,700	4.45	Grab sample
	04-12-89	4,400	2.03	Grab sample
	Maximum tritium value, 4.45, October 19, 1988			
	Minimum tritium value, 0.35, April 16, 1986			
381536083340401	08-13-85	4,200	4.82	Grab sample
Well UF20	08-15-85	4,260	1.90	Grab sample
	10-17-85	4,100	9.35	Grab sample
	04-16-86	--	2.66	Grab sample
	07-24-86	--	1.24	Grab sample
	08-20-86	--	1.66	Grab sample
	10-02-86	--	1.42	Grab sample
	04-02-87	3,800	1.63	Grab sample
	10-01-87	3,900	1.56	Grab sample
	04-11-88	3,400	0.41	Grab sample
	10-19-88	2,800	1.20	Grab sample
	04-12-89	2,100	1.06	Grab sample
	Maximum tritium value, 9.35, October 17, 1985			
	Minimum tritium value, 0.41, April 11, 1988			
381535083340401	04-16-86	--	0.56	Grab sample
Well UF21	07-24-86	--	0.04	Grab sample
	08-20-86	--	0.30	Grab sample
	10-02-86	--	0.31	Grab sample
	04-02-87	5,300	0.20	Grab sample

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381535083340401	10-01-87	5,300	0.54	Grab sample
Well UF21--Continued	04-11-88	5,200	0.47	Grab sample
	10-19-88	5,000	0.00	Grab sample
	04-12-89	5,000	0.06	Grab sample
	Maximum tritium value, 0.56, April 16, 1986			
	Minimum tritium value, 0.00, October 19, 1988			
381534083340501	10-17-85	4,000	4.29	Grab sample
Well UF22	04-16-86	--	2.46	Grab sample
	07-24-86	--	59.53	Grab sample
	08-20-86	--	1.44	Grab sample
	10-02-86	--	1.08	Grab sample
	04-02-87	4,600	1.97	Grab sample
	10-01-87	4,400	8.41	Grab sample
	04-11-88	4,400	3.07	Grab sample
	10-19-88	4,300	1.33	Grab sample
	04-12-89	3,800	1.09	Grab sample
	Maximum tritium value, 59.53, July 24, 1986			
	Minimum tritium value, 1.08, October 2, 1986			
381534083340601	04-16-86	--	80.12	Grab sample
Well UF23	07-24-86	--	1.20	Grab sample
	08-20-86	--	60.48	Grab sample
	10-02-86	--	40.82	Grab sample
	04-02-87	1,800	13.29	Grab sample
	10-01-87	2,000	13.15	Grab sample
	02-25-88	2,800	57.96	Purge well
	03-18-88	2,300	150.91	Purge well
	04-13-88	3,100	113.07	Purge well
	05-13-88	2,100	23.96	Purge well
	06-10-88	2,200	24.44	Purge well
	07-07-88	2,400	67.07	Purge well
	10-05-88	2,600	283.75	Purge well

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381534083340601	11-03-88	--	230.96	Purge well
Well UF23--Continued	12-28-88	1,800	167.53	Purge well
	02-16-89	2,600	82.18	Grab sample
	02-17-89	2,000	85.89	Purge well
	03-15-89	1,000	12.65	Grab sample
	03-16-89	2,000	12.97	Purge well
	04-14-89	1,400	167.00	Purge well
	Maximum tritium value, 283.75, October 5, 1988			
	Minimum tritium value, 1.20, July 24, 1986			
381533083340601	07-26-85	1,900	2.96	Grab sample
Well UF24	08-15-85	2,000	2.00	Grab sample
	10-17-85	2,000	28.04	Grab sample
	04-16-86	--	4.05	Grab sample
	07-24-86	--	4.39	Grab sample
	08-20-86	--	4.08	Grab sample
	10-02-86	--	4.43	Grab sample
	04-02-87	1,900	3.94	Grab sample
	10-01-87	1,900	4.60	Grab sample
	04-11-88	2,000	3.83	Grab sample
	10-19-88	1,800	6.75	Grab sample
	04-12-89	1,900	7.34	Grab sample
	Maximum tritium value, 28.04, October 17, 1985			
	Minimum tritium value, 2.0, August 15, 1985			
381532083340702	08-15-85	2,300	1.59	Grab sample
Well UF25	10-17-85	2,200	25.46	Grab sample
	04-16-86	--	4.60	Grab sample
	07-24-86	--	3.10	Grab sample
	08-20-86	--	3.05	Grab sample
	10-02-86	--	4.06	Grab sample
	04-02-87	2,100	3.75	Grab sample
	10-01-87	2,200	2.13	Grab sample

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381532083340702	04-11-88	2,100	1.17	Grab sample
Well UF25--Continued	10-19-88	2,000	1.29	Grab sample
	04-12-89	2,000	0.97	Grab sample
	Maximum tritium value, 25.46, October 17, 1985			
	Minimum tritium value, 0.97, April 12, 1989			
381531083340801	07-26-85	4,700	372.66	Grab sample
Well UF26	08-15-85	4,700	372.80	Grab sample
	10-17-85	4,500	3,386.00	Grab sample
	04-16-86	--	188.12	Grab sample
	07-24-86	--	185.51	Grab sample
	08-20-86	--	182.43	Grab sample
	10-02-86	--	193.71	Grab sample
	04-02-87	3,600	199.98	Grab sample
	04-28-87	4,800	217.00	Grab sample
	05-27-87	4,500	186.83	Grab sample
	06-22-87	3,600	239.89	Grab sample
	07-27-87	4,300	181.02	Grab sample
	09-01-87	4,400	181.00	Grab sample
	10-01-87	4,300	184.07	Grab sample
	11-24-87	4,200	140.12	Grab sample
	12-22-87	4,500	146.28	Grab sample
	01-22-88	4,100	131.09	Grab sample
	02-25-88	4,700	169.92	Purge well
	03-18-88	3,900	182.42	Purge well
	04-13-88	4,800	221.11	Purge well
	05-13-88	4,600	184.45	Purge well
	06-10-88	4,600	185.26	Purge well
	07-07-88	4,600	170.97	Purge well
	08-04-88	4,600	169.68	Purge well
	09-02-88	4,700	178.92	Purge well
	10-05-88	4,600	161.80	Purge well
	11-03-88	4,600	157.75	Purge well
	12-02-88	4,700	157.24	Purge well
	12-29-88	4,700	164.32	Purge well
	02-17-89	4,600	188.49	Purge well

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381531083340801	03-15-89	4,600	191.39	Grab sample
Well UF26--Continued	03-16-89	4,600	172.73	Purge well
	04-14-89	4,400	166.09	Purge well
	Maximum tritium value, 3,386.00, October 17, 1985			
	Minimum tritium value, 131.09, January 22, 1988			
381530083340901	07-26-85	3,900	1.37	Grab sample
Well UF27	08-15-85	3,800	0.17	Grab sample
	10-17-85	3,500	19.34	Grab sample
	04-16-86	--	1.85	Grab sample
	07-24-86	--	3.83	Grab sample
	08-20-86	--	2.85	Grab sample
	10-02-86	--	2.80	Grab sample
	04-02-87	4,600	1.40	Grab sample
	10-01-87	4,600	3.24	Grab sample
	04-11-88	5,000	0.25	Grab sample
	10-19-88	5,000	0.47	Grab sample
	04-12-89	5,000	0.16	Grab sample
	Maximum tritium value, 19.34, October 17, 1985			
	Minimum tritium value, 0.16, April 12, 1989			
381529083340901	07-26-85	1,400	8.67	Grab sample
Well UF28	08-15-85	2,000	6.21	Grab sample
	10-17-85	2,000	30.94	Grab sample
	04-16-86	--	2.59	Grab sample
	07-24-86	--	2.83	Grab sample
	08-20-86	--	2.74	Grab sample
	10-02-86	--	3.11	Grab sample
	04-02-87	2,000	2.99	Grab sample
	10-01-87	1,800	4.63	Grab sample

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381529083340901	04-11-88	1,800	2.94	Grab sample
Well UF28--Continued	10-19-88	1,700	4.64	Grab sample
	04-12-89	1,600	3.50	Grab sample
	Maximum tritium value, 30.94, October 17, 1985			
	Minimum tritium value, 2.59, April 16, 1986			
381529083341001	10-17-85	3,100	12.09	Grab sample
Well UF29	04-16-86	--	2.21	Grab sample
	07-24-86	--	0.54	Grab sample
	08-20-86	--	0.56	Grab sample
	10-02-86	--	0.39	Grab sample
	04-02-87	3,500	1.23	Grab sample
	10-01-87	3,600	2.03	Grab sample
	04-11-88	3,900	0.32	Grab sample
	10-19-88	3,800	0.09	Grab sample
	04-12-89	3,500	0.19	Grab sample
	Maximum tritium value, 12.09, October 17, 1985			
	Minimum tritium value, 0.09, October 19, 1988			
381528083341101	04-12-89	2,500	3.37	Grab sample
Well UF30				
381527083341101	08-15-85	5,900	0.02	Grab sample
Well UF31	10-17-85	3,100	28.04	Grab sample
	08-20-86	--	0.05	Grab sample
	10-02-86	--	0.34	Grab sample
	04-02-87	6,000	0.54	Grab sample
	10-02-87	6,000	2.68	Grab sample

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381527083341101	04-11-88	6,000	0.13	Grab sample
Well UF31--Continued	10-19-88	5,700	0.06	Grab sample
	04-12-89	5,800	0.09	Grab sample
	Maximum tritium value, 28.04, October 17, 1985			
	Minimum tritium value, 0.02, August 15, 1985			
381526083341201	04-16-86	--	10.11	Grab sample
Well UF32	07-24-86	--	8.18	Grab sample
	08-20-86	--	8.05	Grab sample
	10-02-86	--	7.79	Grab sample
	04-02-87	420	7.87	Grab sample
	10-02-87	400	4.25	Grab sample
	04-11-88	400	5.50	Grab sample
	10-19-88	600	4.95	Grab sample
	04-12-89	240	1.81	Grab sample
	Maximum tritium value, 10.11, April 16, 1986			
	Minimum tritium value, 1.81, April 12, 1989			
381525083341201	04-16-86	--	3.13	Grab sample
Well UF33	07-24-86	--	2.14	Grab sample
	08-20-86	--	1.51	Grab sample
	10-02-86	--	1.61	Grab sample
	04-02-87	4,900	2.15	Grab sample
	10-02-87	4,300	2.40	Grab sample
	04-11-88	3,200	1.98	Grab sample
	10-19-88	2,500	1.65	Grab sample
	04-12-89	2,100	0.75	Grab sample
	Maximum tritium value, 3.13, April 16, 1986			
	Minimum tritium value, 0.75, April 12, 1989			

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381524083341301	10-17-85	3,400	23.04	Grab sample
Well UF34	04-16-86	--	2.08	Grab sample
	07-24-86	--	2.20	Grab sample
	08-20-86	--	2.11	Grab sample
	10-02-86	--	2.27	Grab sample
	04-02-87	2,700	7.03	Grab sample
	10-02-87	1,200	2.17	Grab sample
	04-11-88	2,200	1.38	Grab sample
	10-19-88	1,000	1.92	Grab sample
	04-12-89	2,000	1.47	Grab sample
	Maximum tritium value,		23.04, October 17, 1985	
	Minimum tritium value,		1.38, April 11, 1988	
381523083341301	04-16-86	--	1.03	Grab sample
Well UF35	07-24-86	--	0.75	Grab sample
	08-20-86	--	0.61	Grab sample
	10-02-86	--	0.80	Grab sample
	04-02-87	4,300	1.41	Grab sample
	04-28-87	4,300	7.59	Grab sample
	10-02-87	4,100	1.25	Grab sample
	04-11-88	4,500	0.28	Grab sample
	10-19-88	3,700	0.38	Grab sample
	04-12-89	3,800	0.41	Grab sample
	Maximum tritium value,		7.59, April 28, 1987	
	Minimum tritium value,		0.28, April 11, 1988	
381523083341401	04-16-86	--	264.53	Grab sample
Well UF36	05-15-86	--	289.24	Grab sample
	07-24-86	--	267.16	Grab sample
	08-20-86	--	265.58	Grab sample
	10-02-86	--	265.32	Grab sample
	04-02-87	3,200	201.08	Grab sample
	10-01-87	2,700	167.99	Grab sample

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381523083341401	04-11-88	1,000	37.66	Grab sample
Well UF36--Continued	10-19-88	800	42.87	Grab sample
	04-12-89	2,900	118.08	Grab sample
	Maximum tritium value, 289.24, May 15, 1986			
	Minimum tritium value, 37.66, April 11, 1988			
381524083341601	08-13-85	--	1,914.20	Grab sample
Well UF37	08-15-85	--	1,810.10	Grab sample
	10-17-85	--	12,637.00	Grab sample
	04-16-86	--	1,197.90	Grab sample
	05-15-86	--	1,148.80	Grab sample
	07-24-86	--	994.78	Grab sample
	08-20-86	--	944.66	Grab sample
	10-02-86	--	963.07	Grab sample
	04-02-87	2,900	796.52	Grab sample
	04-28-87	3,100	823.48	Grab sample
	05-27-87	3,400	1,001.00	Grab sample
	06-22-87	3,300	1,001.10	Grab sample
	07-27-87	3,400	948.07	Grab sample
	09-01-87	3,400	916.84	Grab sample
	10-01-87	3,400	927.75	Grab sample
	11-24-87	3,000	1,320.00	Grab sample
	12-22-87	3,000	1,392.00	Grab sample
	01-22-88	3,100	1,224.90	Grab sample
	02-25-88	2,300	1,111.90	Purge well
	03-18-88	2,100	709.41	Purge well
	04-11-88	2,100	744.11	Purge well
	05-13-88	2,300	834.99	Purge well
	06-10-88	2,200	962.47	Purge well
	07-07-88	2,400	976.14	Purge well
	08-04-88	2,500	991.49	Purge well
	09-01-88	2,500	1,052.10	Purge well
	10-05-88	2,400	1,146.80	Purge well
	11-03-88	2,500	1,201.80	Purge well
	12-02-88	2,400	1,093.70	Purge well

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381524083341601	12-29-88	2,300	907.03	Purge well
Well UF37--Continued	02-17-89	1,900	654.66	Purge well
	03-16-89	1,800	528.93	Grab sample
	03-16-89	1,600	507.04	Purge well
	04-14-89	1,700	497.44	Purge well
	Maximum tritium value, 12,637.00, October 17, 1985			
	Minimum tritium value, 497.44, April 14, 1989			
381525083341701	08-15-85	2,800	23.17	Grab sample
Well UF38	10-17-85	3,000	223.34	Grab sample
	04-16-86	--	6.77	Grab sample
	07-24-86	--	4.26	Grab sample
	08-20-86	--	7.51	Grab sample
	10-02-86	--	4.42	Grab sample
	04-02-87	2,800	4.75	Grab sample
	10-01-87	2,600	3.98	Grab sample
	04-11-88	1,700	8.76	Grab sample
	10-19-88	2,500	4.52	Grab sample
	04-12-89	2,400	0.75	Grab sample
	Maximum tritium value, 223.34, October 17, 1985			
	Minimum tritium value, 3.98, October 1, 1987			
381525083341801	10-17-85	5,200	8.70	Grab sample
Well UF39	04-16-86	--	0.26	Grab sample
	07-24-86	--	0.19	Grab sample
	08-20-86	--	0.17	Grab sample
	10-02-86	--	0.47	Grab sample
	04-02-87	4,600	0.41	Grab sample
	10-01-87	2,400	1.44	Grab sample

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381525083341801	04-11-88	4,000	0.19	Grab sample
Well UF39--Continued	10-19-88	2,500	0.35	Grab sample
	04-12-89	3,800	0.25	Grab sample
	Maximum tritium value, 8.70, October 17, 1985			
	Minimum tritium value, 0.17, August 20, 1986			
381526083341901	04-16-86	--	76.62	Grab sample
Well UF40	04-02-87	410	50.96	Grab sample
	04-11-88	400	45.64	Grab sample
	04-12-89	250	32.97	Grab sample
	Maximum tritium value, 76.62, April 16, 1986			
	Minimum tritium value, 32.97, April 12, 1989			
381526083342001	10-17-85	5,700	5.80	Grab sample
Well UF41	04-16-86	--	22.50	Grab sample
	07-24-86	--	6.36	Grab sample
	08-20-86	--	5.76	Grab sample
	10-02-86	--	2.48	Grab sample
	04-02-87	360	1.92	Grab sample
	10-01-87	400	1.78	Grab sample
	04-11-88	600	7.04	Grab sample
	10-19-88	500	4.89	Grab sample
	04-12-89	460	0.84	Grab sample
	Maximum tritium value, 22.50, April 16, 1986			
	Minimum tritium value, 0.84, April 12, 1989			
381527083342101	08-15-85	--	2.68	Grab sample
Well UF42	10-17-85	1,600	23.20	Grab sample
	04-16-86	--	0.74	Grab sample
	07-24-86	--	0.58	Grab sample
	08-20-86	--	0.63	Grab sample

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381527083342101	10-02-86	--	1.14	Grab sample
Well UF42--Continued	04-02-87	1,900	1.00	Grab sample
	10-01-87	1,100	1.71	Grab sample
	04-11-88	1,900	0.69	Grab sample
	10-19-88	1,000	0.98	Grab sample
	04-12-89	1,600	0.28	Grab sample
	Maximum tritium value, 23.20, October 17, 1985			
	Minimum tritium value, 0.28, April 12, 1989			
381530083342701	04-16-86	--	1.21	Grab sample
Well UF43	10-02-86	--	0.32	Grab sample
	04-02-87	6,700	0.66	Grab sample
	10-01-87	5,800	11.27	Grab sample
	10-19-88	--	0.50	Grab sample
	04-13-89	5,700	0.66	Grab sample
	Maximum tritium value, 11.27, October 1, 1987			
	Minimum tritium value, 0.32, October 2, 1986			
381531083342601	01-08-86	--	3.25	Grab sample
Well UF44	04-16-86	--	0.98	Grab sample
	10-02-86	--	0.50	Grab sample
	04-02-87	7,000	1.22	Grab sample
	10-01-87	6,900	1.27	Grab sample
	04-12-88	6,000	0.94	Grab sample
	10-19-88	6,700	0.54	Grab sample
	04-13-89	6,300	1.16	Grab sample
	Maximum tritium value, 3.25, January 10, 1986			
	Minimum tritium value, 0.50, October 2, 1986			

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381532083342501	01-08-86	--	19.11	Grab sample
Well UF45	04-16-86	--	3.73	Grab sample
	10-02-86	--	2.78	Grab sample
	04-02-87	4,200	4.04	Grab sample
	10-01-87	4,200	7.93	Grab sample
	02-25-88	7,700	3.02	Purge well
	03-18-88	7,100	205.34	Purge well
	08-04-88	--	44.02	Purge well
	09-02-88	7,100	7.32	Purge well
	10-05-88	7,800	314.85	Purge well
	10-19-88	8,100	53.23	Purge well
	11-03-88	7,200	912.69	Purge well
	12-29-88	5,200	15.30	Purge well
	02-16-89	7,800	98.29	Grab sample
	03-15-89	8,000	16.92	Grab sample
	04-13-89	7,800	17.09	Grab sample
	04-13-89	7,600	341.32	Grab sample
	Maximum tritium value, 912.69, November 3, 1988			
	Minimum tritium value, 2.78, October 2, 1986			
381533083342401	10-02-86	--	0.53	Grab sample
Well UF46	04-02-87	9,400	0.61	Grab sample
	10-01-87	9,300	1.87	Grab sample
	04-12-88	9,600	0.85	--
	10-19-88	9,700	0.19	Grab sample
	04-13-89	9,400	0.50	Grab sample
	Maximum tritium value, 1.87, October 1, 1987			
	Minimum tritium value, 0.19, October 19, 1988			
381534083342401	04-16-86	--	1.77	Grab sample
Well UF47	10-02-86	--	1.34	Grab sample
	04-02-87	6,800	10.22	Grab sample
	10-01-87	8,300	7.61	Grab sample

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381534083342401	04-12-88	6,800	26.63	Grab sample
Well UF47--Continued	10-19-88	7,500	13.66	Grab sample
	04-13-89	7,400	9.09	Grab sample
	Maximum tritium value, 26.63, April 12, 1988			
	Minimum tritium value, 1.34, October 2, 1986			
381534083342301	12-10-85	--	32.68	Grab sample
Well UF48	01-08-86	--	41.44	Grab sample
	04-16-86	--	52.02	Grab sample
	10-02-86	--	32.41	Grab sample
	10-01-87	3,600	33.68	Grab sample
	10-19-88	3,000	41.27	Grab sample
	Maximum tritium value, 52.02, April 16, 1986			
	Minimum tritium value, 32.41, October 2, 1986			
381535083342201	01-08-86	--	65.64	Grab sample
Well UF49	01-07-87	4,800	152.53	Grab sample
	07-27-87	3,000	72.44	Grab sample
	09-01-87	3,700	86.07	Grab sample
	10-01-87	3,700	104.98	Grab sample
	11-24-87	4,000	85.64	Grab sample
	12-22-87	4,200	113.63	Grab sample
	01-22-88	3,400	90.50	Grab sample
	04-12-88	2,000	52.61	Grab sample
	10-19-88	2,500	49.12	Grab sample
	04-13-89	2,500	43.09	Grab sample
	Maximum tritium value, 152.53, January 7, 1987			
	Minimum tritium value, 43.09, April 13, 1989			

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381540083341601	07-01-85	--	1,051,700	Grab sample
Well UG1	07-12-85	--	1,142,700	Grab sample
	10-17-85	--	1,013,700	Grab sample
	11-13-85	--	983,700	Grab sample
	12-10-85	--	922,060	Grab sample
	01-08-86	--	629,930	Grab sample
	01-09-86	--	282,890	Purge well
	02-12-86	--	339,370	Grab sample
	03-12-86	--	321,360	Grab sample
	04-16-86	--	314,260	Grab sample
	05-15-86	--	328,460	Grab sample
	06-11-86	--	297,630	Grab sample
	07-08-86	--	277,460	Grab sample
	07-16-86	--	285,600	Grab sample
	08-01-86	--	278,730	Grab sample
	08-05-86	--	282,700	Grab sample
	08-18-86	--	276,490	Grab sample
	09-03-86	--	276,540	Grab sample
	09-30-86	--	273,600	Grab sample
	11-03-86	--	258,810	Grab sample
	12-04-86	--	248,920	Grab sample
	12-18-86	--	246,990	Grab sample
	12-19-86	--	417,680	Purge well
	01-07-87	3,500	645,070	Grab sample
	02-26-87	10,000	433,670	Grab sample
	03-06-87	10,000	435,910	Grab sample
	07-27-87	10,000	311,300	Grab sample
	10-28-87	7,800	132,870	Grab sample
	11-25-87	7,000	110,070	Grab sample
	10-20-88	5,400	77,927	Grab sample
	04-14-89	5,200	86,490	Grab sample

Maximum tritium value, 1,142,700, July 12, 1985
Minimum tritium value, 77,927, October 20, 1988

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381539083341501	08-15-85	3,400	369,560	Grab sample
Well UG2	10-17-85	3,600	320,500	Grab sample
	11-13-85	3,700	275,070	Grab sample
	12-10-85	4,000	238,740	Grab sample
	01-08-86	4,000	232,120	Grab sample
	02-12-86	4,000	195,640	Grab sample
	03-12-86	3,900	180,290	Grab sample
	04-16-86	4,000	167,320	Grab sample
	05-15-86	3,900	168,700	Grab sample
	06-11-86	4,000	145,530	Grab sample
	07-08-86	4,000	132,720	Grab sample
	08-05-86	4,200	123,930	Grab sample
	09-03-86	4,100	107,920	Grab sample
	10-02-86	4,200	87,230	Grab sample
	11-04-86	4,200	79,683	Grab sample
	12-04-86	4,100	81,883	Grab sample
	01-07-87	4,000	101,720	Grab sample
	02-06-87	4,000	120,760	Grab sample
	03-06-87	4,000	130,150	Grab sample
	04-02-87	3,900	129,440	Grab sample
	04-28-87	3,900	124,510	Grab sample
	05-27-87	3,900	113,490	Grab sample
	06-22-87	3,800	99,853	Grab sample
	07-27-87	4,100	89,127	Grab sample
	09-01-87	4,100	83,721	Grab sample
	10-02-87	4,000	75,765	Grab sample
	10-28-87	4,100	71,943	Grab sample
	11-24-87	4,100	72,810	Grab sample
	12-21-87	4,000	87,292	Grab sample
	01-21-88	3,800	87,493	Grab sample
	02-25-88	3,500	170,090	Grab sample
	03-18-88	3,600	178,680	Grab sample
	04-13-88	3,500	177,740	Grab sample
	05-13-88	3,500	184,870	Grab sample
	10-20-88	3,800	136,610	Grab sample
	04-14-89	3,300	93,348	Grab sample
	Maximum tritium value, 369,560, August 15, 1985			
	Minimum tritium value, 71,943, October 28, 1987			

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381539083341401	09-27-85	3,800	4.37	Grab sample
Well UG3	10-17-85	3,800	90.28	Grab sample
	11-13-85	3,600	20.31	Grab sample
	12-10-85	3,700	67.93	Grab sample
	01-08-86	3,600	95.05	Grab sample
	02-12-86	3,700	282.27	Grab sample
	03-12-86	3,700	71.99	Grab sample
	04-16-86	3,800	78.08	Grab sample
	05-15-86	3,800	66.19	Grab sample
	06-11-86	3,800	38.04	Grab sample
	07-08-86	3,800	49.58	Grab sample
	08-05-86	3,900	39.42	Grab sample
	09-03-86	3,800	57.59	Grab sample
	10-02-86	3,800	53.26	Grab sample
	11-04-86	3,800	66.73	Grab sample
	12-04-86	3,800	76.56	Grab sample
	01-07-87	3,800	80.94	Grab sample
	02-06-87	3,900	129.59	Grab sample
	03-06-87	4,000	85.72	Grab sample
	04-02-87	3,900	167.06	Grab sample
	04-28-87	3,800	92.61	Grab sample
	05-27-87	4,000	85.18	Grab sample
	06-22-87	3,900	78.92	Grab sample
	07-27-87	4,000	92.83	Grab sample
	09-01-87	4,000	99.57	Grab sample
	10-02-87	3,900	148.17	Grab sample
	10-28-87	3,900	118.96	Grab sample
	11-24-87	3,900	110.16	Grab sample
	12-21-87	3,700	145.00	Grab sample
	01-21-88	3,800	165.18	Grab sample
	04-12-88	3,700	112.91	Grab sample
	10-20-88	3,700	109.86	Grab sample
	04-14-89	3,100	104.24	Grab sample

Maximum tritium value, 282.27, February 12, 1986
Minimum tritium value, 4.37, September 27, 1985

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Dte	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381538083341401	10-17-85	4,400	932.97	Grab sample
Well UG4	11-13-85	4,200	370.52	Grab sample
	12-10-85	4,400	519.23	Grab sample
	01-08-86	4,000	266.95	Grab sample
	04-16-86	4,400	225.28	Grab sample
	05-15-86	4,400	204.94	Grab sample
	06-11-86	4,400	178.38	Grab sample
	07-08-86	4,400	179.98	Grab sample
	08-05-86	4,400	173.37	Grab sample
	09-03-86	4,300	175.61	Grab sample
	10-02-86	4,300	169.60	Grab sample
	11-04-86	4,400	171.56	Grab sample
	12-04-86	4,300	162.29	Grab sample
	01-07-87	4,400	175.40	Grab sample
	02-06-87	4,500	177.01	Grab sample
	03-06-87	4,500	172.09	Grab sample
	04-02-87	4,300	170.20	Grab sample
	04-28-87	4,400	133.49	Grab sample
	05-27-87	4,600	131.36	Grab sample
	06-22-87	4,500	102.44	Grab sample
	07-27-87	4,700	97.73	Grab sample
	09-01-87	4,700	100.03	Grab sample
	10-02-87	4,600	97.69	Grab sample
	10-28-87	4,600	98.02	Grab sample
	11-24-87	4,600	116.11	Grab sample
	12-21-87	4,600	98.95	Grab sample
	01-21-88	4,400	93.13	Grab sample
	04-12-88	3,400	68.00	Grab sample
	10-20-88	4,000	59.47	Grab sample
	04-14-89	2,600	28.12	Grab sample
	Maximum tritium value, 932.97, October 17, 1985			
	Minimum tritium value, 28.12, April 14, 1989			
381539083341301	10-17-85	1,600	419.60	Grab sample
Well UG5	11-13-85	1,600	258.87	Grab sample
	12-10-85	1,900	123.36	Grab sample
	04-16-86	1,600	119.13	Grab sample

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381539083341301	05-15-86	1,500	138.89	Grab sample
Well UG5--Continued	06-11-86	1,400	142.90	Grab sample
	07-08-86	1,600	219.58	Grab sample
	08-05-86	1,600	103.53	Grab sample
	09-03-86	1,700	82.82	Grab sample
	10-02-86	1,700	58.25	Grab sample
	11-04-86	1,700	57.75	Grab sample
	12-04-86	1,600	49.19	Grab sample
	01-07-87	1,500	51.48	Grab sample
	10-28-87	1,000	66.60	Grab sample
	10-20-88	700	89.86	Grab sample
	Maximum tritium value, 419.6, October 17, 1985			
	Minimum tritium value, 49.19, December 4, 1986			
381540083341401	09-27-85	3,000	2,680.5	Grab sample
Well UG6	10-17-85	3,000	2,819.7	Grab sample
	11-13-85	2,900	2,647.9	Grab sample
	12-10-85	3,000	2,646.0	Grab sample
	01-08-86	2,800	2,519.2	Grab sample
	02-12-86	2,900	2,484.5	Grab sample
	03-12-86	2,800	2,382.6	Grab sample
	04-16-86	2,800	2,132.2	Grab sample
	05-15-86	2,800	1,963.4	Grab sample
	06-11-86	2,800	1,905.0	Grab sample
	07-08-86	2,800	1,868.4	Grab sample
	08-05-86	2,800	1,921.9	Grab sample
	09-03-86	2,800	1,824.4	Grab sample
	10-02-86	2,800	1,934.2	Grab sample
	11-04-86	2,800	1,962.5	Grab sample
	12-04-86	2,800	1,880.7	Grab sample
	01-07-87	2,800	1,873.2	Grab sample
	02-06-87	2,900	1,887.4	Grab sample
	03-06-87	2,900	1,868.5	Grab sample
	04-02-87	2,800	1,825.6	Grab sample
	04-28-87	2,800	1,723.1	Grab sample

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381540083341401	05-27-87	2,800	1,668.7	Grab sample
Well UG6--Continued	06-22-87	2,700	1,534.4	Grab sample
	07-27-87	2,800	1,629.4	Grab sample
	09-01-87	2,800	1,637.0	Grab sample
	10-02-87	2,700	1,728.9	Grab sample
	10-28-87	2,800	1,728.9	Grab sample
	11-24-87	2,800	1,832.9	Grab sample
	12-21-87	2,700	1,831.5	Grab sample
	01-21-88	2,800	1,869.5	Grab sample
	04-12-88	2,300	1,851.0	Grab sample
	10-20-88	2,600	1,632.1	Grab sample
	04-13-89	2,500	1,727.7	Grab sample
	Maximum tritium value, 2,819.7, October 17, 1985			
	Minimum tritium value, 1,534.4, June 22, 1987			
381541083341501	09-27-85	--	646,680	Grab sample
Well UG7	10-17-85	--	329,720	Grab sample
	11-13-85	--	319,910	Grab sample
	12-10-85	--	330,200	Grab sample
	01-08-86	2,800	312,870	Grab sample
	02-12-86	2,800	265,090	Grab sample
	03-12-86	2,800	254,790	Grab sample
	04-16-86	3,200	245,130	Grab sample
	05-15-86	2,900	172,520	Grab sample
	06-11-86	2,800	137,440	Grab sample
	07-08-86	2,400	48,768	Grab sample
	08-05-86	2,200	10,034	Grab sample
	09-03-86	2,100	1,286.3	Grab sample
	10-02-86	2,000	798.14	Grab sample
	11-04-86	2,100	1,847.3	Grab sample
	12-04-86	2,200	2,200.4	Grab sample
	01-07-87	2,200	2,780.6	Grab sample
	02-06-87	2,200	3,650.7	Grab sample
	03-06-87	2,300	7,383.4	Grab sample
	04-20-87	2,300	19,430	Grab sample
	04-28-87	2,500	16,547	Grab sample

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381541083341501	05-27-87	2,500	15,466	Grab sample
Well UG7--Continued	06-22-87	2,000	5,880.9	Grab sample
	07-27-87	1,900	1,274.5	Grab sample
	09-01-87	1,800	56.83	Grab sample
	10-02-87	1,800	133.05	Grab sample
	10-28-87	1,800	39.21	Grab sample
	11-24-87	1,800	73.96	Grab sample
	12-21-87	1,700	482.33	Grab sample
	01-21-88	2,000	3,326.9	Grab sample
	02-25-88	3,600	133,540	Grab sample
	03-18-88	3,400	342,860	Grab sample
	04-13-88	3,300	429,250	Grab sample
	05-13-88	3,400	419,850	Grab sample
	10-20-88	1,800	15,231	Grab sample
	04-13-89	1,800	58,116	Grab sample
	Maximum tritium value, 646,680, September 27, 1985			
	Minimum tritium value, 39.21, October 28, 1987			
381540083341201	10-17-85	2,500	165.67	Grab sample
Well UG8	12-10-85	3,500	276.24	Grab sample
	01-08-86	3,800	217.51	Grab sample
	03-12-86	3,900	137.41	Grab sample
	04-16-86	4,000	98.34	Grab sample
	05-15-86	3,500	1.79	Grab sample
	06-11-86	3,400	0.96	Grab sample
	07-08-86	3,400	40.57	Grab sample
	08-05-86	3,400	0.82	Grab sample
	09-03-86	3,400	0.00	Grab sample
	10-02-86	3,200	1.45	Grab sample
	11-04-86	3,300	0.54	Grab sample
	12-04-86	3,200	0.46	Grab sample
	01-07-87	3,200	4.21	Grab sample
	02-06-87	3,200	4.74	Grab sample
	03-06-87	3,200	1.77	Grab sample
	04-02-87	3,300	13.13	Grab sample
	04-28-87	3,200	4.59	Grab sample

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381540083341201	05-27-87	3,200	19.46	Grab sample
Well UG8--Continued	06-22-87	3,200	9.71	Grab sample
	07-27-87	3,400	12.58	Grab sample
	09-01-87	3,400	14.04	Grab sample
	10-02-87	3,300	14.02	Grab sample
	10-28-87	3,400	15.25	Grab sample
	11-24-87	3,400	16.52	Grab sample
	12-21-87	3,600	19.28	Grab sample
	01-21-88	3,300	12.99	Grab sample
	04-12-88	3,100	10.18	Grab sample
	10-20-88	3,200	10.54	Grab sample
	04-13-89	2,800	15.97	Grab sample
	Maximum tritium value, 276.24, December 10, 1985			
	Minimum tritium value, 0.00, September 3, 1986			
381540083341301	08-28-85	2,800	255.17	Grab sample
Well UG9	09-28-85	--	269.71	Grab sample
	10-17-85	2,800	103.43	Grab sample
	12-10-85	3,800	89.53	Grab sample
	01-08-86	3,800	81.95	Grab sample
	03-12-86	3,700	81.56	Grab sample
	04-16-86	3,800	77.08	Grab sample
	05-15-86	3,800	73.53	Grab sample
	06-11-86	3,000	69.85	Grab sample
	07-08-86	3,700	80.97	Grab sample
	08-05-86	3,700	58.55	Grab sample
	09-03-86	3,600	41.83	Grab sample
	10-02-86	3,600	34.11	Grab sample
	11-04-86	3,600	33.99	Grab sample
	12-04-86	3,600	29.98	Grab sample
	01-07-87	3,600	29.97	Grab sample
	02-06-87	3,600	42.00	Grab sample
	03-06-87	3,800	31.14	Grab sample
	04-02-87	3,700	47.87	Grab sample
	04-28-87	3,600	30.60	Grab sample
	05-27-87	3,600	32.27	Grab sample

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381540083341301	06-22-87	3,600	32.01	Grab sample
Well UG9--Continued	07-27-87	3,800	33.28	Grab sample
	09-01-87	3,800	33.07	Grab sample
	10-02-87	6,100	35.86	Grab sample
	10-28-87	3,800	31.78	Grab sample
	11-24-87	3,700	34.38	Grab sample
	12-21-87	3,600	35.88	Grab sample
	01-21-88	3,700	38.83	Grab sample
	04-12-88	3,600	44.82	Grab sample
	10-20-88	3,600	55.12	Grab sample
	04-13-89	3,700	64.27	Grab sample
	Maximum tritium value, 269.71, September 28, 1985			
	Minimum tritium value, 29.97, January 7, 1987			
381541083341401	10-17-85	--	89,654	Grab sample
Well UG10	11-13-85	--	101,740	Grab sample
	12-10-85	--	92,809	Grab sample
	01-08-86	3,600	53,330	Grab sample
	08-05-86	3,700	8,036.3	Grab sample
	09-03-86	3,500	4,199.1	Grab sample
	10-02-86	3,300	1,860.5	Grab sample
	11-04-86	3,300	828.69	Grab sample
	12-04-86	3,300	1,096.2	Grab sample
	01-07-87	3,400	2,288.5	Grab sample
	02-06-87	3,400	3,802.6	Grab sample
	10-28-87	3,300	1,941.7	Grab sample
	11-24-87	3,400	2,263.2	Grab sample
	10-20-88	3,300	1,910.7	Grab sample
	Maximum tritium value, 101,740, November 13, 1985			
	Minimum tritium value, 828.69, November 4, 1986			

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381542083341501	10-17-85	3,500	355,240	Grab sample
Well UG11	11-13-85	3,400	342,110	Grab sample
	12-10-85	3,500	290,400	Grab sample
	01-08-86	3,600	176,690	Grab sample
	02-12-86	3,700	138,460	Grab sample
	03-12-86	3,600	116,170	Grab sample
	04-16-86	3,900	80,238	Grab sample
	05-15-86	3,900	48,955	Grab sample
	06-11-86	4,100	32,808	Grab sample
	07-08-86	3,600	13,622	Grab sample
	08-05-86	3,200	605.16	Grab sample
	09-03-86	3,000	385.07	Grab sample
	10-02-86	2,800	572.86	Grab sample
	11-04-86	2,900	587.92	Grab sample
	12-04-86	3,800	874.00	Grab sample
	01-07-87	3,600	5,702.9	Grab sample
	02-06-87	3,700	14,463	Grab sample
	03-06-87	3,800	24,025	Grab sample
	04-02-87	3,800	24,356	Grab sample
	04-28-87	3,800	16,557	Grab sample
	05-27-87	3,900	11,957	Grab sample
	06-22-87	3,900	7,361.8	Grab sample
	07-27-87	3,800	1,947.7	Grab sample
	09-01-87	3,700	1,829.9	Grab sample
	10-02-87	3,600	1,368.9	Grab sample
	10-28-87	3,600	1,358.2	Grab sample
	11-24-87	3,000	1,504.2	Grab sample
	12-21-87	3,800	8,454.4	Grab sample
	01-21-88	3,600	14,126	Grab sample
	04-12-88	3,800	30,155	Grab sample
	10-20-88	3,300	12,680	Grab sample
	04-13-89	3,900	36,613	Grab sample

Maximum tritium value, 355,240, October 17, 1985
Minimum tritium value, 385.07, September 3, 1986

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381542083341301	10-17-85	3,300	320,510	Grab sample
Well UG12	12-10-85	3,300	312,470	Grab sample
	01-08-86	3,400	312,660	Grab sample
	02-12-86	3,400	301,840	Grab sample
	03-12-86	3,200	282,880	Grab sample
	04-16-86	3,300	258,470	Grab sample
	05-15-86	3,400	231,080	Grab sample
	06-11-86	2,600	206,390	Grab sample
	07-08-86	3,600	171,440	Grab sample
	08-05-86	3,800	144,270	Grab sample
	09-03-86	3,800	120,200	Grab sample
	10-02-86	3,600	107,980	Grab sample
	11-04-86	3,800	107,130	Grab sample
	12-04-86	3,700	104,140	Grab sample
	01-07-87	3,800	111,660	Grab sample
	02-06-87	3,800	113,630	Grab sample
	03-06-87	3,800	121,830	Grab sample
	04-02-87	3,800	134,430	Grab sample
	04-28-87	3,600	128,920	Grab sample
	05-27-87	3,800	130,100	Grab sample
	06-22-87	3,600	118,060	Grab sample
	07-27-87	3,900	110,680	Grab sample
	09-01-87	3,800	106,890	Grab sample
	10-02-87	3,700	96,727	Grab sample
	10-28-87	3,700	84,305	Grab sample
	11-24-87	3,700	92,377	Grab sample
	12-21-87	3,800	87,765	Grab sample
	01-21-88	3,600	91,769	Grab sample
	04-12-88	3,700	96,908	Grab sample
	10-20-88	3,600	76,094	Grab sample
	04-13-89	3,500	86,316	Grab sample

Maximum tritium value, 320,510, October 17, 1985
Minimum tritium value, 76,094, October 20, 1988

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381542083341201	10-17-85	4,000	2,442.5	Grab sample
Well UG13	12-10-85	4,000	1,444.6	Grab sample
	01-08-86	4,000	1,282.0	Grab sample
	02-12-86	3,900	1,299.7	Grab sample
	03-12-86	3,700	1,310.1	Grab sample
	04-16-86	3,900	2,070.4	Grab sample
	05-15-86	3,800	2,589.1	Grab sample
	06-11-86	3,800	2,902.7	Grab sample
	07-08-86	3,800	3,031.0	Grab sample
	08-05-86	3,381	2,994.4	Grab sample
	09-03-86	3,600	2,671.9	Grab sample
	10-02-86	3,500	2,558.5	Grab sample
	11-04-86	3,600	2,506.9	Grab sample
	12-04-86	3,600	2,377.8	Grab sample
	01-07-87	3,600	2,138.9	Grab sample
	02-06-87	3,800	2,162.9	Grab sample
	03-06-87	3,800	2,602.9	Grab sample
	04-02-87	3,700	2,943.5	Grab sample
	04-28-87	3,700	2,907.6	Grab sample
	05-27-87	3,500	2,938.6	Grab sample
	06-22-87	3,500	3,076.1	Grab sample
	07-27-87	3,600	2,919.3	Grab sample
	09-01-87	3,600	2,956.0	Grab sample
	10-02-87	3,600	2,900.5	Grab sample
	10-28-87	3,600	3,022.3	Grab sample
	11-24-87	3,600	2,854.2	Grab sample
	12-21-87	3,600	2,693.8	Grab sample
	01-21-88	3,600	2,446.4	Grab sample
	04-12-88	3,600	3,113.4	Grab sample
	10-20-88	3,100	2,779.0	Grab sample
	04-13-89	3,400	3,343.4	Grab sample
	Maximum tritium value,		3,343.4, April 13, 1989	
	Minimum tritium value,		1,282.0, January 8, 1986	

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381531083341301	10-17-85	--	0.63	Grab sample
Well UG14	04-16-86	3,000	17.89	Grab sample
	10-23-86	1,200	1.61	Grab sample
	04-02-87	3,700	17.78	Grab sample
	10-02-87	1,200	1.78	Grab sample
	04-11-88	450	5.28	Grab sample
	10-20-88	200	1.30	Grab sample
	Maximum tritium value, 17.89, April 16, 1986			
	Minimum tritium value, 0.63, October 17, 1985			
381529083341401	10-03-86	465	4.34	Grab sample
Well UG16	04-02-87	380	9.43	Grab sample
	10-02-87	400	1.50	Grab sample
	04-11-88	400	4.46	Grab sample
	04-14-89	210	1.00	Grab sample
	Maximum tritium value, 9.43, April 2, 1987			
	Minimum tritium value, 1.00, April 14, 1989			
381535083341401	04-16-86	3,300	172.63	Grab sample
Well UG17	10-23-86	3,200	189.72	Grab sample
	04-02-87	3,200	182.69	Grab sample
	10-02-87	3,100	174.10	Grab sample
	04-11-88	3,000	145.58	Grab sample
	10-20-88	3,000	151.95	Grab sample
	04-14-89	3,000	172.20	Grab sample
	Maximum tritium value, 189.72, October 23, 1986			
	Minimum tritium value, 145.58, April 11, 1988			

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381537083341101	10-17-85	1,480	156.49	Grab sample
Well UG18	04-16-86	830	82.79	Grab sample
	10-23-86	1,200	62.76	Grab sample
	04-02-87	1,400	69.20	Grab sample
	10-02-87	1,600	57.24	Grab sample
	04-11-88	1,600	65.69	Grab sample
	10-20-88	1,400	70.71	Grab sample
	04-14-89	1,500	84.83	Grab sample
	Maximum tritium value,		156.49, October 17, 1985	
	Minimum tritium value,		57.24, October 2, 1987	
381534083341601	04-16-86	2,800	124.57	Grab sample
Well UG19	10-23-86	2,600	131.79	Grab sample
	04-02-87	2,800	138.19	Grab sample
	10-02-87	2,700	166.55	Grab sample
	04-11-88	2,700	198.37	Grab sample
	10-20-88	200	26.12	Grab sample
	04-14-89	270	18.53	Grab sample
	Maximum tritium value,		198.37, April 11, 1988	
	Minimum tritium value,		18.53, April 14, 1989	
381540083341611	07-16-86	--	647,900	Grab sample
Well UI1	08-18-86	--	606,800	Grab sample
	09-30-86	--	604,590	Grab sample
	11-03-86	--	593,530	Grab sample
	12-04-86	--	585,840	Grab sample
	12-18-86	--	573,560	Purge well
	01-07-87	3,100	361,070	Grab sample
	02-26-87	3,300	469,590	Grab sample
	03-06-87	3,300	453,610	Grab sample
	04-14-89	3,600	112,920	Grab sample
	Maximum tritium value,		647,900, July 16, 1986	
	Minimum tritium value,		112,920, April 14, 1989	

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381540083341602	08-18-86	--	60,210	Grab sample
Well UI2	09-30-86	--	54,236	Grab sample
	11-03-86	--	53,672	Grab sample
	01-07-87	3,800	47,444	Grab sample
	02-26-87	3,950	40,873	Grab sample
	03-06-87	3,950	39,909	Grab sample
	04-14-89	3,000	20,260	Grab sample
	Maximum tritium value, 60,210, August 18, 1986			
	Minimum tritium value, 20,260, April 14, 1989			
381540083341603	07-16-86	--	705,300	Grab sample
Well UI3	08-18-86	--	664,310	Grab sample
	09-30-86	--	649,340	Grab sample
	11-03-86	--	653,240	Grab sample
	12-04-86	--	653,330	Grab sample
	12-18-86	--	631,670	Purge well
	01-07-87	3,200	619,400	Grab sample
	02-26-87	3,300	549,070	Grab sample
	03-06-87	3,300	514,230	Grab sample
	04-14-89	3,300	205,030	Grab sample
	Maximum tritium value, 705,300, July 16, 1986			
	Minimum tritium value, 205,030, April 14, 1989			
381540083341604	07-16-86	--	923,490	Grab sample
Well UI4	08-18-86	--	867,210	Grab sample
	09-30-86	--	893,080	Grab sample
	11-03-86	--	846,770	Grab sample
	12-04-86	--	815,130	Grab sample
	12-18-86	--	778,160	Purge well
	01-07-87	3,100	780,440	Grab sample

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381540083341604	02-26-87	3,200	677,580	Grab sample
Well UI4--Continued	03-06-87	3,100	647,310	Grab sample
	04-14-89	2,800	329,120	Grab sample
	Maximum tritium value, 923,490, July 30, 1986			
	Minimum tritium value, 329,120, April 14, 1989			
381540083341605	08-18-86	--	365,940	Grab sample
Well UI5	09-30-86	--	370,900	Grab sample
	11-03-86	--	352,150	Grab sample
	12-04-86	--	345,520	Grab sample
	12-18-86	--	348,040	Purge well
	01-07-87	3,200	314,980	Grab sample
	02-26-87	3,200	294,380	Grab sample
	03-06-87	3,200	275,680	Grab sample
	04-14-89	3,000	154,910	Grab sample
	Maximum tritium value, 370,900, September 30, 1986			
	Minimum tritium value, 154,910, April 14, 1989			
381540083341606	07-29-86	--	805,190	Grab sample
Well UI6	08-18-86	--	776,290	Grab sample
	09-30-86	--	769,800	Grab sample
	11-03-86	--	714,290	Grab sample
	12-04-86	--	732,940	Grab sample
	12-18-86	--	744,710	Purge well
	01-07-87	3,000	708,100	Grab sample
	02-26-87	3,100	615,390	Grab sample
	03-06-87	3,100	601,720	Grab sample
	04-14-89	3,100	402,720	Grab sample
	Maximum tritium value, 805,190, July 29, 1986			
	Minimum tritium value, 402,720, April 14, 1989			

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381540083341607	07-30-86	--	832,480	Grab sample
Well UI7	08-18-86	--	805,840	Grab sample
	09-30-86	--	790,990	Grab sample
	11-03-86	--	786,380	Grab sample
	12-04-86	--	751,810	Grab sample
	12-18-86	--	779,170	Purge well
	01-07-87	3,100	753,090	Grab sample
	02-26-87	3,200	697,320	Grab sample
	03-06-87	3,200	663,710	Grab sample
	04-14-89	3,200	396,300	Grab sample
	Maximum tritium value, 832,480, July 30, 1986			
	Minimum tritium value, 396,300, April 14, 1989			
381540083341608	07-31-86	--	784,200	Grab sample
Well UI8	08-18-86	--	764,360	Grab sample
	09-30-86	--	788,680	Grab sample
	11-03-86	--	739,540	Grab sample
	12-04-86	--	741,870	Grab sample
	12-18-86	--	772,950	Grab sample
	01-07-87	3,200	749,820	Grab sample
	02-26-87	3,200	678,980	Grab sample
	03-06-87	3,200	671,650	Grab sample
	04-14-89	3,800	74,384	Grab sample
	Maximum tritium value, 788,680, September 30, 1986			
	Minimum tritium value, 74,384, April 14, 1989			
381540083341609	09-30-86	--	264,500	Grab sample
Well UI9	11-03-86	--	239,220	Grab sample
	12-04-86	--	216,170	Grab sample
	12-18-86	--	205,990	Purge well
	01-07-87	3,400	200,180	Grab sample

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381540083341609	02-26-87	3,400	160,290	Grab sample
Well UI9--Continued	03-06-87	3,400	157,970	Grab sample
	04-14-89	3,400	86,097	Grab sample
	Maximum tritium value, 264,500, September 30, 1986			
	Minimum tritium value, 86,097, April 14, 1989			
381540083341610	07-30-86	--	874,210	Grab sample
Well UI10	08-18-86	--	842,900	Grab sample
	09-30-86	--	833,320	Grab sample
	11-03-86	--	810,600	Grab sample
	12-04-86	--	804,370	Grab sample
	12-18-86	--	737,450	Purge well
	01-07-87	3,000	785,060	Grab sample
	02-26-87	3,150	641,960	Grab sample
	03-06-87	3,100	608,390	Grab sample
	04-14-89	3,300	319,180	Grab sample
	Maximum tritium value, 874,210, July 30, 1986			
	Minimum tritium value, 319,180, April 14, 1989			
381542083341305	04-13-89	3,200	199,140	Grab sample
Well UJ5				
381539083341902	09-03-86	3,700	876,180	Grab sample
Well UK1	10-02-86	2,600	473,440	Grab sample
	11-03-86	3,200	562,110	Grab sample
	12-04-86	2,700	399,220	Grab sample
	01-07-87	3,800	527,560	Grab sample
	02-06-87	4,000	543,060	Grab sample
	03-06-87	3,800	545,170	Grab sample
	04-02-87	3,800	502,170	Grab sample
	04-28-87	7,200	356,290	Grab sample

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381539083341902	05-27-87	4,700	348,100	Grab sample
Well UK1--Continued	06-22-87	4,600	343,600	Grab sample
	07-27-87	3,300	184,240	Grab sample
	09-01-87	3,600	203,990	Grab sample
	10-01-87	4,200	292,490	Grab sample
	10-28-87	4,700	361,400	Grab sample
	11-25-87	4,900	406,130	Grab sample
	12-22-87	4,800	549,710	Grab sample
	01-22-88	4,400	680,550	Grab sample
	04-13-88	3,800	1,158,600	Purge well
	06-10-88	3,700	1,087,500	Purge well
	07-07-88	3,700	1,121,400	Purge well
	08-04-88	3,600	1,053,200	Purge well
	09-01-88	2,800	771,530	Purge well
	10-05-88	3,200	889,230	Purge well
	11-03-88	3,500	1,133,700	Purge well
	12-02-88	3,400	1,058,100	Purge well
	12-28-88	3,200	1,187,500	Purge well
	02-16-89	3,100	1,105,600	Grab sample
	03-16-89	3,200	1,275,800	Grab sample
	04-13-89	3,400	1,077,800	Grab sample
	04-14-89	3,600	1,175,500	Purge well
	Maximum tritium value, 1,158,600, April 13, 1988			
	Minimum tritium value, 184,240, July 27, 1987			
381538083341901	09-03-86	3,800	2,054,800	Grab sample
Well UK2	10-02-86	3,900	1,787,900	Grab sample
	11-03-86	4,000	1,630,800	Grab sample
	12-04-86	4,000	1,575,100	Grab sample
	01-07-87	3,000	352,630	Grab sample
	02-06-87	3,900	1,425,100	Grab sample
	03-06-87	3,700	1,401,200	Grab sample
	04-02-87	3,400	1,201,500	Grab sample
	04-28-87	7,600	1,510,400	Grab sample
	05-27-87	3,600	1,431,700	Grab sample
	06-22-87	3,600	1,419,700	Grab sample

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381538083341901	07-27-87	3,300	1,179,800	Grab sample
Well UK2--Continued	09-01-87	3,800	1,706,900	Grab sample
	10-01-87	3,700	1,834,100	Grab sample
	10-28-87	3,900	1,751,400	Grab sample
	11-25-87	3,900	1,602,100	Grab sample
	12-22-87	3,700	1,719,400	Grab sample
	01-22-88	3,700	1,475,400	Grab sample
	04-13-88	3,400	1,820,900	Purge well
	05-13-88	3,300	1,012,200	Purge well
	06-10-88	3,400	1,089,100	Purge well
	07-07-88	3,500	1,122,900	Purge well
	08-04-88	3,600	952,290	Purge well
	09-01-88	3,800	1,022,800	Purge well
	10-05-88	3,900	1,052,500	Purge well
	11-03-88	4,000	1,194,100	Purge well
	12-02-88	3,900	1,315,100	Purge well
	12-28-88	3,700	1,434,800	Purge well
	02-16-89	3,600	1,340,100	Grab sample
	03-16-89	3,200	953,510	Grab sample
	04-13-89	3,400	1,133,400	Grab sample
	04-14-89	3,400	1,632,400	Purge well
	Maximum tritium value, 2,054,800, September 3, 1986			
	Minimum tritium value, 352,630, January 7, 1987			
381524083341701	10-31-86	2,700	2.68	Grab sample
Well UK3	11-03-86	2,800	64.53	Grab sample
	04-02-87	3,400	127.29	Grab sample
	10-01-87	3,000	0.92	Grab sample
	04-11-88	3,200	0.85	Grab sample
	04-12-89	2,900	0.62	Grab sample
	Maximum tritium value, 127.29, April 2, 1987			
	Minimum tritium value, 0.62, April 12, 1989			

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381523083341601	10-01-87	5,100	1.88	Grab sample
Well UK4	04-11-88	5,200	1.60	Grab sample
	04-12-89	5,000	0.84	Grab sample
	Maximum tritium value, 1.88, October 1, 1987			
	Minimum tritium value, 0.84, April 12, 1989			
381522083341501	04-02-87	4,400	30.76	Grab sample
Well UK5				
381522083341401	10-31-86	2,000	3.47	Grab sample
Well UK6	11-03-86	2,100	11.83	Grab sample
	04-02-87	2,300	11.75	Grab sample
	10-01-87	2,400	0.97	Grab sample
	04-11-88	2,500	0.88	Grab sample
	04-12-89	2,200	0.59	Grab sample
	Maximum tritium value, 11.83, November 3, 1986			
	Minimum tritium value, 0.59, April 12, 1989			
381543083340401	09-23-88	1,600	--	Grab sample
Well UL4	10-05-88	1,600	3.56	Grab sample
381540083342001	01-08-86	--	271,580	Grab sample
Well N2B	01-09-86	--	885,800	Purge well
	02-12-86	--	62,715	Grab sample
	03-11-86	--	180,080	Purge well
	03-12-86	--	106,070	Grab sample
	04-15-86	--	89,690	Grab sample
	05-15-86	--	74,746	Grab sample
	06-11-86	--	185,980	Grab sample
	07-08-86	--	273,940	Grab sample

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381540083342001	08-05-86	--	409,300	Grab sample
Well N2B--Continued	09-03-86	--	639,200	Grab sample
	10-02-86	--	667,650	Grab sample
	11-03-86	--	704,850	Grab sample
	12-04-86	--	652,700	Grab sample
	01-07-87	3,400	788,930	Grab sample
	02-06-87	2,400	320,470	Grab sample
	03-06-87	1,200	48,025	Grab sample
	04-02-87	1,500	18,969	Grab sample
	04-28-87	1,800	24,104	Grab sample
	05-27-87	2,600	147,860	Grab sample
	06-22-87	2,600	224,610	Grab sample
	07-27-87	3,000	324,210	Grab sample
	09-01-87	3,400	430,870	Grab sample
	10-01-87	3,500	609,300	Grab sample
	10-28-87	3,600	684,750	Grab sample
	11-25-87	3,500	721,450	Grab sample
	12-22-87	3,700	753,320	Grab sample
	01-22-88	1,900	210,000	Grab sample
	04-12-88	1,200	99,510	Purge well
	05-13-88	2,300	92,762	Purge well
	06-10-88	2,400	222,640	Purge well
	07-07-88	3,100	324,020	Purge well
	08-04-88	2,800	317,120	Purge well
	09-01-88	3,200	415,660	Purge well
	10-05-88	3,400	668,680	Purge well
	11-03-88	3,500	735,960	Purge well
	12-02-88	3,400	717,220	Purge well
	12-28-88	1,700	241,530	Purge well
	03-16-89	1,400	20,240	Grab sample
	04-13-89	1,700	45,787	Grab sample
	04-13-89	1,100	67,955	Purge well

Maximum tritium value, 885,800, January 9, 1986
Minimum tritium value, 18,969, April 2, 1987

Table 8.--Tritium concentrations and specific conductance in ground water, June 1984 - April 1989--Continued

[μS/cm, microsiemens per centimeter at 25°C;
pCi/mL, picocuries per milliliter;
--, no data available]

USGS site and well number	Date	Specific conductance (μS/cm)	Tritium (pCi/mL)	Sampling method
381534083342302	01-08-86	--	40,169	Grab sample
Well 11E	02-12-86	--	47,072	Grab sample
	04-16-86	--	55,669	Grab sample
	05-15-86	--	52,687	Grab sample
	07-08-86	--	50,076	Grab sample
	08-05-86	--	48,362	Grab sample
	09-03-86	--	45,058	Grab sample
	10-02-86	--	37,976	Grab sample
	11-03-86	--	39,964	Grab sample
	04-28-87	3,000	39,781	Grab sample
	05-27-87	3,200	39,226	Grab sample
	06-22-87	3,100	36,708	Grab sample
	07-27-87	3,300	36,513	Grab sample
	10-01-87	3,300	38,004	Grab sample
	11-24-87	2,200	18,766	Grab sample
	12-22-87	800	4,250	Grab sample
	01-22-88	70	2,968.5	Grab sample
	04-02-88	2,900	47,305	Grab sample
	04-12-88	120	42.25	Grab sample
	10-19-88	800	3,789.9	Grab sample
	04-13-89	1,700	17,055	Grab sample
	Maximum tritium value, 55,669, April 16, 1986			
	Minimum tritium value, 42.25, April 12, 1988			

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