Overview of Environmental and Hydrogeologic Conditions at Merrill Field Airport, Anchorage, Alaska

By Allan S. Nakanishi

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CONVERSION FACTORS, VERTICAL DATUM, AND ABBREVIATIONS

Multiply	By	To obtain
millimeter (mm)	0.03937	inch
meter (m)	3.281	foot
kilometer (km)	0.6214	mile
hectare (ha)	2.471	acres
square kilometer (km^2)	0.3861	square mile
meter per day (m/d)	3.281	foot per day
liter per day (L/d)	0.2642	gallon per day
cubic meter per second (m^3/s)	35.31	cubic foot per second
degree Celsius (^oC)	$^oF = 1.8 \times {}^oC + 32$	degree Fahrenheit (^oF)

Sea level:

In this report "sea level" refers to the National Geodetic Vertical Datum 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

The Federal Aviation Administration (FAA) operates facilities on or near Merrill Field airport in the Municipality of Anchorage, Alaska. The airport is surrounded by developed urban areas and up to 80 percent of the land surface is covered by asphalt, concrete, buildings, or other impervious surfaces. The airport area is underlain by unconsolidated glacial, alluvial, estuarine deposits, weakly lithified sedimentary rocks, and a large landfill. Ground water is available from both unconfined and confined aquifers within the unconsolidated deposits; however, most residential, commercial, and industrial consumers in the area obtain water from the municipal water-supply system.

INTRODUCTION

The Federal Aviation Administration (FAA) owns and (or) operates airway support and navigational facilities throughout Alaska. At many of these sites, fuels and potentially hazardous materials such as solvents, polychlorinated biphenyls, and pesticides may have been used and (or) disposed of. To determine if environmentally hazardous materials have been spilled or disposed of at the sites, the FAA is conducting environmental studies mandated under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA or "Superfund Act") and the Resource Conservation and Recovery Act (RCRA). To complete these more comprehensive environmental studies, the FAA requires information on the hydrology and geology of areas surrounding the sites. This report, the product of compilation, review, and summary of existing hydrologic and geologic data by the U.S. Geological Survey, in cooperation with the FAA, provides such information for the FAA facilities at Merrill Field Airport and nearby areas in Anchorage, Alaska.

BACKGROUND

Location and History

Anchorage is in south-central Alaska and had a population of approximately 240,000 in 1990, which was approximately 50 percent of the total State population (Alaska Department of Community and Regional Affairs, 1993). An area known locally as the "Anchorage Bowl" or the "Bowl," encompassing an area of approximately 470 km^2 (fig. 1), is bounded on the west by Cook Inlet, on the north by Knik Arm, on the east by the Chugach Mountains, and on the south by Turnagain Arm. The Merrill Field FAA facilities, on Merrill Field municipal airport, is in the Municipality of Anchorage at about lat 61°12' N. and long 149°50' W.

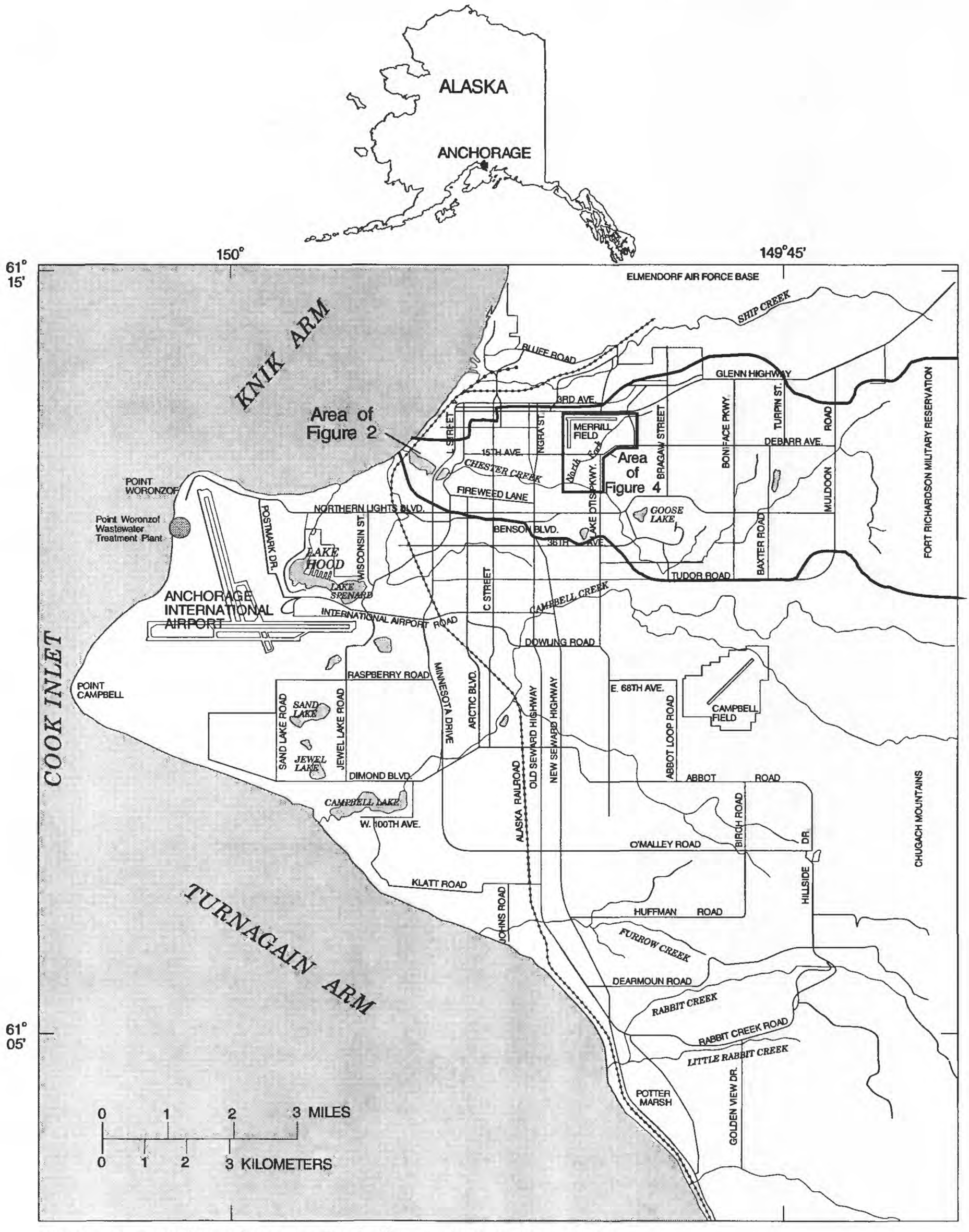

Figure 1. Location of Merrill Field Airport, Anchorage, Alaska.

In the 1940's, Merrill Field airport was constructed on what was then the outskirts of Anchorage. Along the southeast side of the airport was a bluff that overlooked North Fork Chester Creek and below the bluff were wetlands (Brunett, 1990). The Merrill Field solid-waste landfill was created in the 1940's by dumping refuse off the bluff near the east end of the Merrill Field Airport runway. When the landfill was closed in 1987, approximately 80 ha of the original wetlands had been covered with soil and refuse to an average thickness of about 10 m.

Merrill Field FAA Facilities

The FAA owns and operates a flight service station (FSS), air traffic control tower (ATCT), visual approach slope indicators (VASI), and runway end identification lights (REIL) on Merrill Field airport (Ecology and Environment Inc., 1994). Approximately 30 FAA personnel operate and maintain the FAA facilities at Merrill Field airport. A detailed description of FAA facilities near Merrill Field and an investigation of potential sources of contamination is included in a report by Ecology and Environment, Inc. (1994).

PHYSICAL SETTING

Climate

Anchorage is located in a transitional climate zone, situated between maritime and continental climate zones. Seasonal precipitation patterns in this zone are not sharply defined, fluctuate from year to year, and may resemble those of either the maritime or continental climate zones (Hartman and Johnson, 1984). The mean annual temperature for Anchorage at the Anchorage International Airport (AIA), about 8 km southwest of the Merrill Field airport, is 2.1 ^{o}C, but temperatures range from a July mean maximum of 18.3 ^{o}C to a January mean minimum of about -13.2 ^{o}C. Precipitation increases with increasing elevation eastward toward the Chugach Mountains (Patrick and others, 1989). Mean annual precipitation at the AIA is about 390 mm and mean annual snowfall is approximately 1,760 mm (Leslie, 1989). Most rainfall occurs from July through October. Mean monthly temperature, precipitation, and snowfall for the weather station at the AIA are summarized in table 1.

Vegetation

Selkregg and others (1972) provide a map and description of vegetation types in the Anchorage area. Vegetation near the Merrill Field airport generally includes four groups: interior forest, treeless bogs, spruce bogs, and developed areas. The interior forest is predominantly found on well-drained hills east of the Merrill Field airport. Tree species typical of the interior forest include white spruce, paper birch, balsam poplar, black cottonwood, and willow (Viereck and Little, 1972). Shrubs in the interior forest include wild rose, lingonberry, bunchberry, currant, and Labrador tea. Treeless bogs are found in poorly drained, flat areas north, east, and south of the airport where soils are too water saturated to support trees. Primary vegetation types include birch brush, Labrador tea, scrub willow, cotton grass, sphagnum moss, and sedges. Spruce bogs also have water-saturated soils and are found in close proximity to treeless bogs to the east and south of the airport. Typical vegetation types consist of black spruce less than 2 m in height, sphagnum mosses, sedges, grasses,

Table 1. Mean monthly temperature, precipitation, and snowfall for the period 1952-87, Anchorage International Airport, Anchorage, Alaska

[Modified from Leslie (1989); °C, degree Celsius; mm, millimeter]

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Temperature (°C)													
Mean maximum	-5.8	-3.3	0.3	5.8	12.4	16.6	18.3	17.2	12.8	4.9	-2.2	-5.8	5.9
(Record maximum, 29.4 °C, June 1969)													
Mean minimum	-13.2	-11.7	-8.4	-2.3	3.6	8.3	10.7	9.5	4.9	-1.9	-9.0	-12.9	-1.9
(Record minimum, -36.7°C, January 1975)													
Mean	-9.6	-7.5	-4.1	1.8	8.1	12.4	14.5	13.4	8.9	1.5	-5.7	-9.3	2.1
Precipitation (mm of moisture)	20.3	21.8	16.5	16.0	16.0	25.9	49.8	58.7	63.8	47.2	27.4	26.9	390.4
Snowfall (mm)	223.5	309.9	236.2	154.9	5.1	0	0	0	7.6	193.0	274.3	355.6	1,760.2

and heath shrubs. Paper birch and white spruce, Labrador tea, prickly rose, willows, bog blueberry, red-fruit bearberry, crowberry and lingonberry are also common in spruce bogs. In developed areas such as the Merrill Field airport and the surrounding urban areas, up to 80 percent of the land surface is covered by asphalt, concrete, buildings, or other impervious surfaces (U.S. Army Corps of Engineers, 1979). Vegetation in these developed areas consist primarily of domestic grasses, shrubs, and trees.

Geology

The geology of the Anchorage area has been described by Miller and Dobrovolny (1959) and Cederstrom and others (1964). Trainer and Waller (1965) summarized the subsurface deposits in the Anchorage area on the basis of water-well data. The well drillers' logs used in their analyses of the subsurface geology are in the files of the U.S. Geological Survey in Anchorage.

The Anchorage Bowl is underlain by unconsolidated deposits of Quaternary age, weakly lithified deposits of Tertiary age, and metamorphic rocks of Cretaceous/Jurassic age (Clark and others, 1976). The unconsolidated deposits beneath the airport generally consist of interlayered alluvial, glacial, and estuarine sediments. The alluvial and glacial sediments consist of silty sand and sand with some gravel (Schmoll and Dobrovolny, 1972; Freethey, 1976). The estuarine deposits are composed of clayey silt and silty clay with some interbedded sand (Ulery and Updike, 1983). The unconsolidated deposits thicken progressively from less than a few meters on much of the Chugach Mountains to about 300 m beneath the western part of the Anchorage Bowl (Freethey and Scully, 1980). Underlying the unconsolidated deposits are weakly lithified siltstone, claystone, and sandstone (Schmoll and Barnwell, 1984). Underlying these rocks and exposed in the Chugach Mountains are metamorphic sandstones, siltstones, and volcanic rocks. Glass (1988) provides a map of the depth to bedrock in the Anchorage Bowl. A geologic cross section through Anchorage extending eastward from downtown Anchorage on the shore of Knik Arm to the lower slopes of the Chugach Mountain front is presented by Schmoll and Barnwell (1984). The geologic cross section is a compilation of well logs drilled in the Anchorage area and includes logs of wells that are near Merrill Field airport.

HYDROLOGY

Surface Water

Major surface-water bodies near the airport include North Fork of Chester Creek, Chester Creek, Knik Arm of Cook Inlet (fig. 2), and wetlands.

Chester Creek heads in the Chugach Mountains and has a drainage area of about 80 km^2 upstream from Westchester Lagoon (fig. 2) (Brabets, 1987). North Fork Chester Creek originates about 1 km east of the airport and flows southwestward until it intersects with the main stem about 1 km south of the airport. In the early 1970's, the North Fork Chester Creek was diverted into a corrugated metal conduit through the middle of the Merrill Field landfill (Brunett, 1990). The conduit, which is still in use, leaves the landfill just west of Sitka Street. From the outlet of the conduit, North Fork Chester Creek flows southward in an open ditch to its junction with Chester Creek. The North Fork serves primarily as a storm drain for urbanized areas (Brabets, 1987). From the intersection of North Fork and the main stem, Chester Creek flows approximately 5 km to Westchester Lagoon and finally into Knik Arm of Cook Inlet.

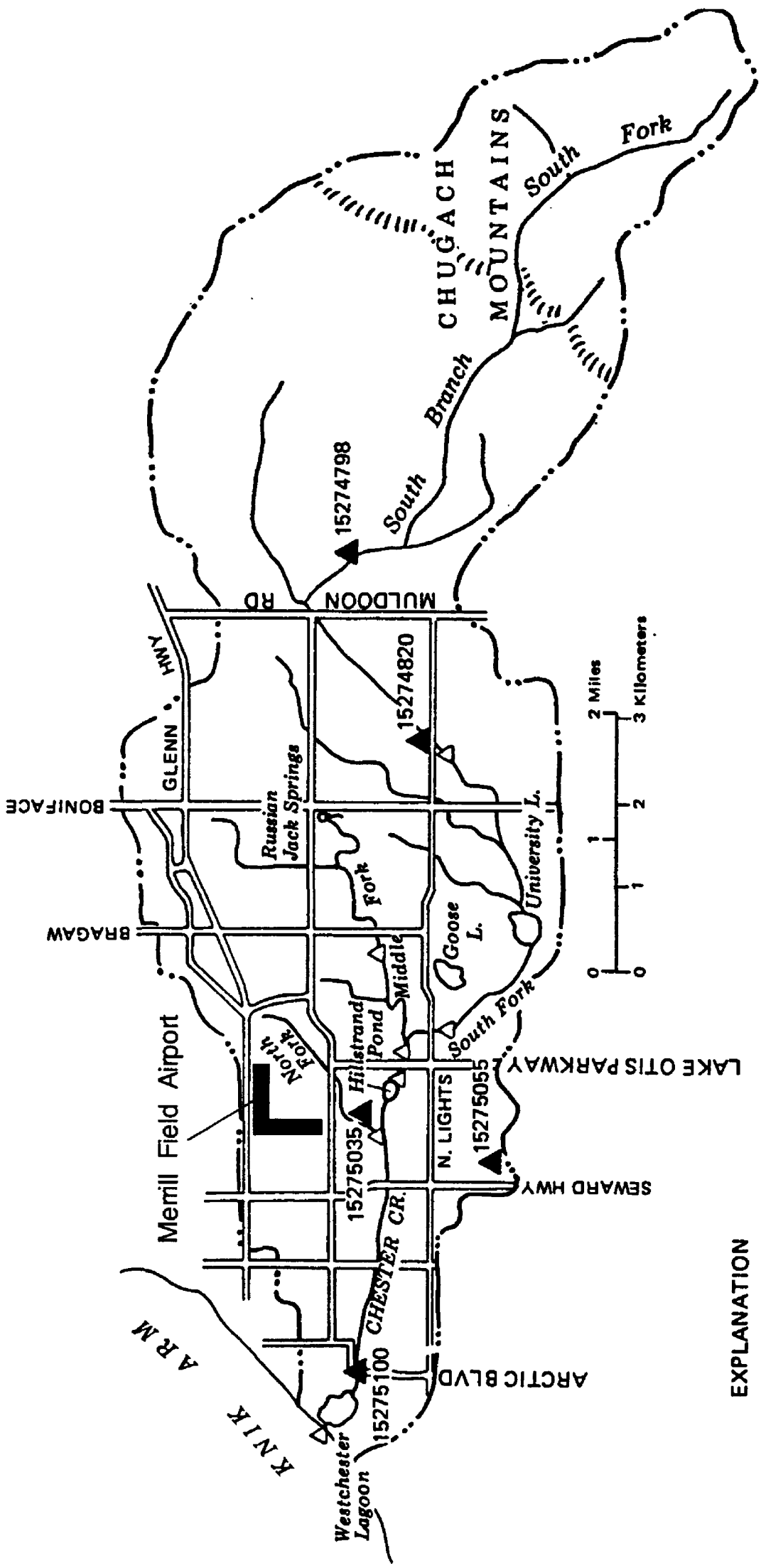

Figure 2. Chester Creek drainage basin. (Modified from Brabets, 1987.)

At Arctic Boulevard, mean daily discharges commonly range from about 0.5 to 3.0 m^3/s (fig. 3). The drainage area upstream from Arctic Boulevard is approximately 70 km^2 (Still and Cosby, 1989). The average annual runoff from the Chester Creek basin is about 230 mm, and runoff measured at a station upstream from the mouth of North Fork (station No. 15275035, fig. 2) is about 100 mm (Brabets, 1987). Runoff from paved areas and other impervious surfaces in the drains upstream from this site are reflected in the hydrograph (fig. 3) as short duration peaks. An impoundment at the mouth of Chester Creek, regulates outflow and maintains the water level of Westchester Lagoon.

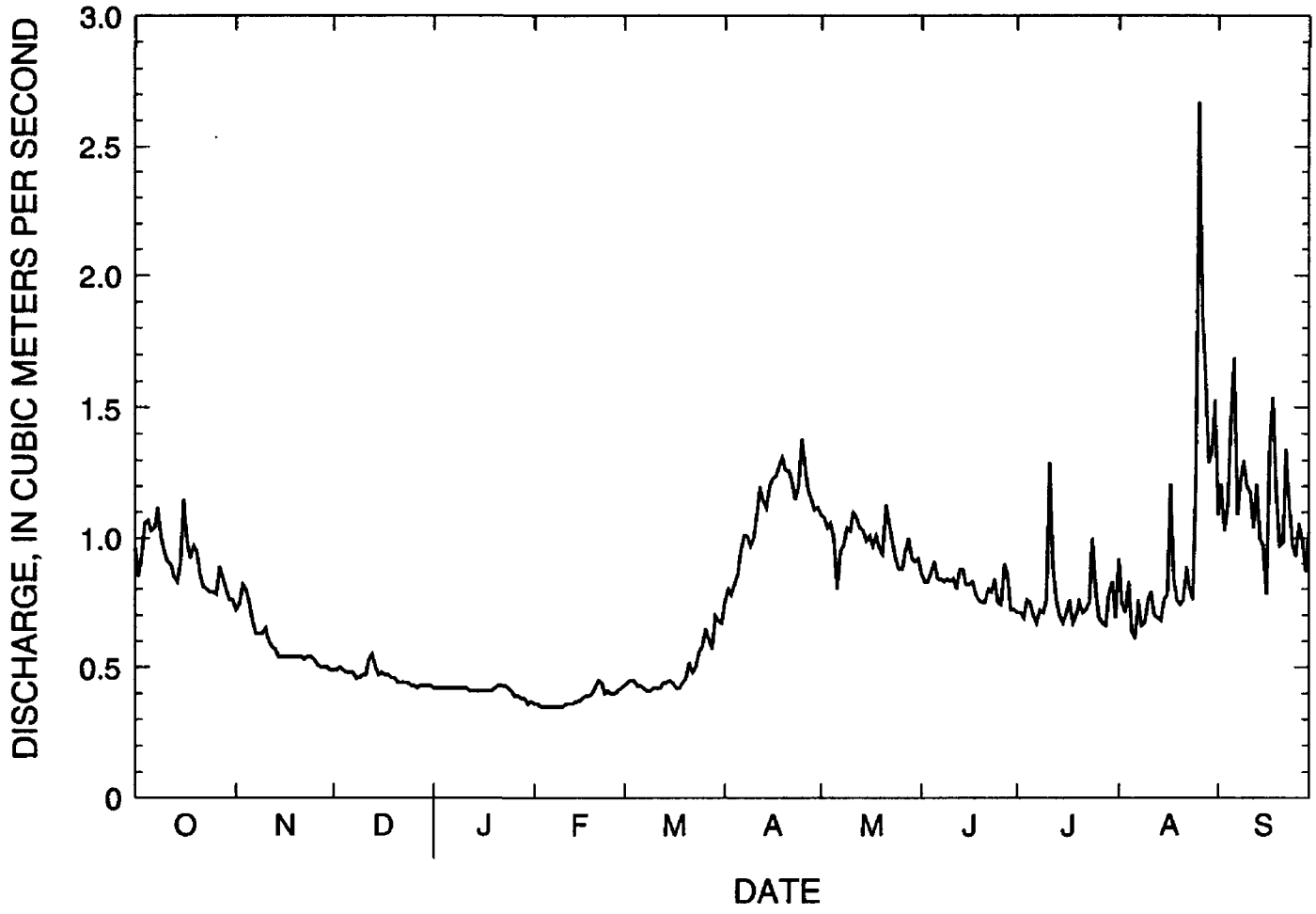

Figure 3. Five-year average, mean daily discharge for Chester Creek at Arctic Boulevard, Anchorage, water years 1989-93.

Runoff from the airport is diverted into a storm-water drainage system and discharges through a single outfall onto the wetlands south of the airport. Prior to the 1991, the landfill buried some of the airport drainage outfall lines. During 1991, the drainage outfall lines that ran under the landfill were abandoned and new outfall routes, serving the airport only, were constructed (Dave Lundeby, Merrill Field airport manager, oral commun., 1994).

In the early 1970's, a leachate collection system (subdrain) was installed in the landfill at the top of a confining clay layer to intercept the leachate and discharge it into the sanitary sewer system. The subdrain routes the leachate to a lift station about 60 m east of the intersection of East 15th Avenue and Sitka Street. From here, the leachate is pumped into a concrete sanitary sewer line and eventually reaches the Point Woronzof Wastewater Treatment Facility (fig. 1) (Brunett, 1990).

Surface-Water Quality

A 1991 study by USGS on the water quality from the airport drainage outfall system, prior to the upgrade, reported evidence that effluent from the landfill entered the drainage system and discharged onto the wetlands (R.L. Rickman, USGS, written commun, 1991). It is believed that the effluent from the landfill no longer enters the upgraded drainage system; however, water-quality tests of the current drainage system have not been done (Dave Lundeby, Merrill Field airport manager, oral commun., 1994).

According to Brunett (1990), North Fork Chester Creek does not appear to undergo significant contamination during its transit through its conduit buried in the landfill, but it was suggested that a small amount of leachate may be entering the creek through leaks in the conduit. Trace amounts of six organic compounds, only one of which is present in the creek above the landfill, were detected in samples from the conduit outlet. The concentrations of iron and manganese, both of which are commonly present in high concentrations in leachate, increase in concentration in Chester Creek downstream from the landfill (Brunett, 1990; appendix 1). Sodium and chloride, however, which are commonly highly concentrated in leachate, were found at lower concentrations downstream from the landfill.

A 2-year water-quality study of the Chester Creek basin during 1982-83 reported that fecal coliform bacteria concentrations near the mouth of Chester Creek exceeded State of Alaska drinking-water regulations during all levels of flow (Brabets, 1987). Lead concentrations exceeded State regulations during rainfall-runoff periods and snowmelt periods. Chloride concentrations exceeded State regulations during snowmelt periods. Water-quality records for North Fork Chester Creek and drains near the Merrill Field airport are shown in appendix 1.

Water from Chester Creek is not used for drinking water, but is used extensively for recreation. No commercial fisheries are present at Chester Creek or Westchester Lagoon, although recreational fishing does occur. Murphy and others (1972) studied the effect of discharging domestic wastewater into Cook Inlet and concluded that because the inlet is a "completely and continuously mixed basin," it is unlikely to become adversely affected by domestic waste water discharge by a population of 10 times that of the 1990 Anchorage census. The study by Murphy and others (1972), however, did not examine the potential effects of hazardous waste discharge into Cook Inlet.

Ground Water

The sediments in the Anchorage Bowl generally form a freshwater aquifer system consisting of an unconfined aquifer and one or more confined aquifers separated by less permeable layers. Recharge to the aquifers is primarily from infiltration of precipitation and seepage from streams. Patrick and others (1989) present an analysis of the distribution and relative contribution of recharge to the aquifer system. An estimated 280 to 380 million L/d is naturally lost from the ground-water system in the Anchorage Bowl from evaporation, plant transpiration, and seepage (Glass, 1987).

Patrick and others (1989, fig. 4) provide a generalized map illustrating the variation in thickness of the unconfined aquifer throughout the Anchorage Bowl. The thickness of the unconfined aquifer in the vicinity of the Merrill Field airport and landfill ranges from 0 m to about 15 m. The depth to ground water at the Merrill Field landfill is generally less than 3 m (Freethey and others, 1974). North of the landfill, beneath much of the airport where the topography is slightly higher, the depth to ground water is generally greater than 6 m. The surficial deposits near the airport and landfill are considered highly to very highly permeable relative to other soils in the Anchorage area (Freethey, 1976). Hydraulic conductivity is the capacity of geologic materials to transmit water.

The rate at which water can flow laterally through geologic materials is proportional to the horizontal hydraulic conductivity. On the basis of local lithology and specific capacity data, Patrick and others (1989) estimated that horizontal hydraulic conductivity of the unconfined aquifer in the Anchorage Bowl ranged from about 1 to 46 m/d. The horizontal hydraulic conductivity of the sediments of the unconfined aquifer in the vicinity of Merrill Field was estimated to be about 5 m/d (Patrick and others, 1989).

The confined aquifer underlying the Anchorage Bowl generally thickens from east to west. The thickness of the confined aquifer ranges from 0 m near the mountain front to more than 330 m in the western part of the Anchorage Bowl. Adjacent to the Chugach Mountains, the confined and unconfined aquifers share a common source of recharge because the confining sediments are discontinuous. Patrick and others (1989, fig. 6) provide a generalized map illustrating the variation in thickness of the confined aquifer. The thickness of the confined aquifer in the vicinity of the airport ranges from about 150 to 180 m. Patrick and others (1989, fig. 13) estimated that the horizontal hydraulic conductivity of the sediments of the confined aquifer in the Anchorage Bowl ranged from 0.9 to 21 m/d. In the vicinity of the airport, the hydraulic conductivity of the sediments of the confined aquifer was approximately 3 m/d.

The confining layers are variable in lithology and thickness, which results in local differences in their ability to retard movement of water from one aquifer to another. The main confining layer in the central part of the Anchorage Bowl is the estuarine deposits—an areally extensive layer of silty clay and clayey silt with some interbedded lenses of sand. In the western and eastern parts of the Anchorage Bowl, confining layers generally consist of coarser till or till-like deposits and may be discontinuous or absent. The confining layer ranges in thickness from 0 to about 80 m beneath the Anchorage Bowl and from 15 to 30 m beneath the airport (Patrick and others, 1989, fig. 5). The vertical hydraulic conductivity of the confining layers was estimated to be approximately 0.00003 m/d where the confining layers are predominantly clay and 0.3 m/d along the mountain front area where the confining layers are discontinuous.

Nelson (1982) estimated that the vertical hydraulic conductivity of the confining unit was 0.003 m/d for gravelly sand and silt, and 0.00006 m/d for silty clay. Some of the refuse at the landfill has been buried below the water table, creating an environment in which the refuse is continuously leached. Nelson (1982) estimated that it would take many tens of years for minor amounts of pollutants to reach the confined aquifer and about 300 years for water with the composition of the leachate to reach the confined aquifer, had municipal pumping continued at its 1980 rate. However, the Municipality has significantly reduced ground-water pumping since the Eklutna water system began delivering water to Anchorage. As a result of the reduced ground-water pumping, vertical ground-water gradients near Merrill Field are upward. Upward gradients will prevent downward migration of soluble contaminants (Gordon Nelson, U.S. Geological Survey, oral commun., 1995).

A mathematical simulation of ground-water flow by Patrick and others (1989) indicated that the regional ground-water flow direction in the Anchorage Bowl is westward from the Chugach Mountains towards Cook Inlet. A water-table contour map based on measured water levels in the unconfined aquifer shows that locally, ground water at Merrill Field airport flows to the southwest towards Chester Creek (Dearborn and Freethey, 1974). A study of the lateral migration of contaminants in the shallow, unconfined aquifer near the landfill also shows that ground-water generally flows from the Merrill Field airport and landfill areas southwestward towards Chester Creek (fig. 4). A series of wells drilled in the landfill and in wetlands south of the landfill provide information (table 2) on the ground-water flow direction and subsurface geology of the area (fig. 4).

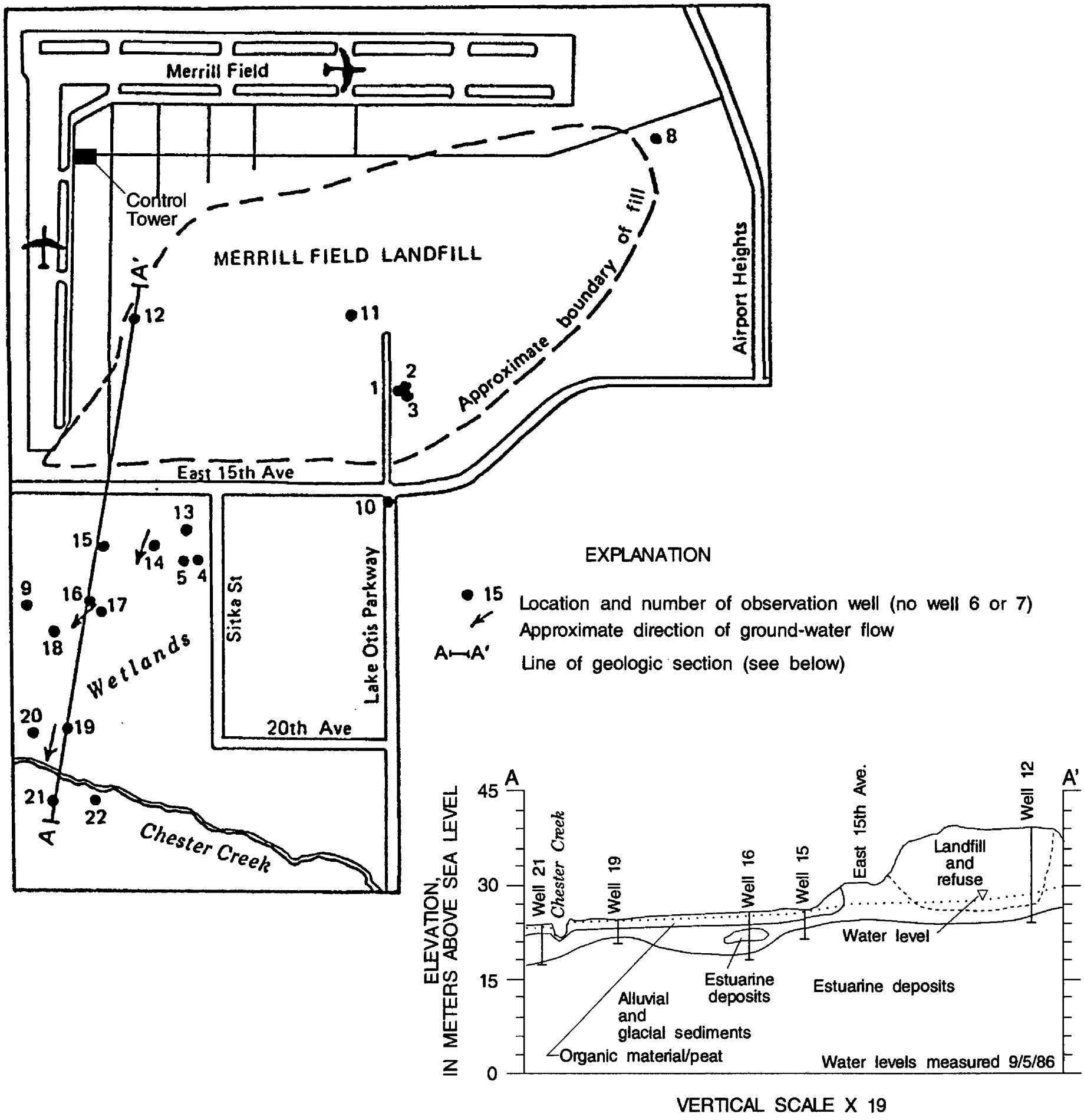

Figure 4. Locations of observation wells, and geologic section through wetlands and the landfill. (See figure 1 for location; modified from Brunett, 1990.)

Table 2. Information on wells in the Merrill Field airport area
[Data modified from Brunett (1990)]

Well No. (fig. 4)	Date drilled	Well depth (meters)	Well completion		Water level (Measured Sept. 5, 1986)	
			Type	Screened interval (meters)	Depth (meters)	Elevation above mean sea level (meters)
1	6/06/74	35	Open end	--	12.3	24.7
2	6/10/74	27	Open end	--	12.2	24.7
3	6/11/74	12	Screened	4-6	8.63	28.3
4	8/17/76	28	Open end	--	1.63	24.5
5	8/28/76	11	Screened	9-11	1.67	24.6
8	10/03/85	6	Screened	3-6	1.15	32.7
9	10/03/85	8	Screened	5-8	1.13	21.9
10	10/09/85	14	Screened	8-14	2.31	27.2
11	10/01/85	21	Screened	15-21	11.7	27.7
12	10/02/85	15	Screened	9-15	9.15	27.9
13	9/ 2/86	6	Screened	3-6	2.07	24.4
14	9/ 2/86	6	Screened	3-6	1.94	24.0
15	9/ 3/86	5	Screened	2-5	0.20	23.8
16	9/ 3/86	6	Screened	3-6	0.20	23.3
17	9/ 3/86	6	Screened	2-5	0.20	23.2
18	9/ 4/86	5	Screened	2-5	0.20	22.5
19	9/ 4/86	5	Screened	2-5	- 0.02	22.0
20	9/ 4/86	6	Screened	2-5	0.17	21.4
21	8/28/86	6	Screened	3-6	0.01	21.3
22	8/28/86	6	Screened	3-6	0.06	21.9

Ground-Water Quality

Water-quality tests of samples taken from wells downgradient from the landfill near the airport indicated that minor amounts of contaminants have reached the wetlands as far south as Chester Creek (Brunett, 1990). Wells from which samples had concentrations of some constituents that exceeded U.S. Environmental Protection Agency (1993) maximum contaminant levels (MCL) for drinking water are shown in table 3.

Table 3. Wells near Merrill Field airport in which water sample concentrations exceeded drinking-water regulations

[Data modified from Brunett (1990); µg/L, microgram per liter; USEPA, U.S. Environmental Protection Agency; MCL, maximum contaminant level]

Constituent	Wells in which observed (fig. 4)	USEPA (1993) MCL for drinking water (µg/L)	Maximum sample concentration detected (µg/L)
Benzene	3, 12	5.0	20
Trichloroethylene	12	5.0	8.0
Vinyl chloride	3, 11, 12, 14	2.0	53
Arsenic, total	1, 2, 5	50	130
Chromium, total	8, 9	100	350
Iron, total	All, except 1, 4, 21	300	500,000
Lead, total	3, 10, 11, 22	50	300
Manganese, total	All	50	84,000
Nickel, total	8, 9, 10, 11, 12, 15, 17, 18, 22	100	1,000

Drinking Water

Present Drinking-Water Supplies

Most of the water used for domestic, industrial, and commercial uses in the airport area is from a public water-distribution system; relatively few people utilize private water wells. The water system, operated by the Anchorage Water and Wastewater Utility (AWWU), is supplied from two surface water sources—Eklutna Lake and Ship Creek (fig. 1)—and from wells located throughout the city (AWWU, 1993). Water from Ship Creek, is withdrawn at a dam located at the mouth of a canyon on the edge of the Chugach Mountains. In 1992, Ship Creek supplied an average 47.3 million L/d and has a production capacity of 90.8 million L/d. Eklutna Lake, located approximately 24 km northeast of downtown Anchorage, supplied approximately 34.4 million L/d in 1992 and has a production capacity of 133 million L/d (AWWU, 1993). The Municipality of

Anchorage also pumps water from 19 wells: 1 well is pumped continuously, 12 wells are used intermittently, and 6 are pumped for only maintenance purposes and are available if needed. In 1992, ground-water sources provided an average of 8.2 million L/d to the city's water system but have a production capacity of 89.3 million L/d. Total water withdrawals for the Municipality of Anchorage in 1990 represent about 25 percent of the combined production capacity of the surface- and ground-water sources. Pumpage data for wells in the Anchorage area during 1990 is summarized by Petrik (1991).

Most private wells used for water supply in the Merrill Field area were installed during a period of accelerated residential development before municipal services were extended into these locations. Records in the USGS Ground Water Site Inventory (GWSI) database for wells within about a 1-km radius from Merrill Field airport control tower are shown in appendix 2. A recent survey, however, has not been conducted to determine how many of the wells in the area are currently in use.

Quality of Present Supplies

Surface water is flocculated, filtered, chlorinated, and fluoridated before it is distributed; ground water is chlorinated and fluoridated (AWWU, 1993). The AWWU Annual Water Quality Report for 1992 (AWWU, 1993) contains water-quality data for surface and ground-water supplies and indicates both met the drinking-water regulations established by State of Alaska.

Alternative Drinking-Water Sources

If the aquifer(s) become contaminated, new wells could be drilled outside the affected area or the municipal water system could be made available as an alternative water supply. The AWWU system has the capacity to increase production and a water distribution system already exists in much of the area in and around the Merrill Field airport area.

SUMMARY

The Federal Aviation Administration operates airway support and navigation facilities on Merrill Field in an urban area east of downtown Anchorage. A solid-waste landfill formerly occupied the eastern and southern sides of the airport. Water-quality records from ground-water drains and nearby surface water reflect high concentrations of some constituents commonly associated with landfill leachate. Most residential, commercial, and industrial consumers in the area obtain water from a municipal water-supply system.

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APPENDIX 1

Water-quality records for North Fork Chester Creek and drains near the Merrill Field airport

15275037 - MERRILL FIELD STORM DRAIN EAST AT ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	LAT-I-TUDE	LONG-I-TUDE	MEDIUM CODE	SAMPLE TYPE	RECORD NUMBER	STREAM WIDTH (FT) (00004)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	TEMPER-ATURE WATER (DEG C) (00010)	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)
AUG										
22...	1800	61 12 30 N	149 50 58 W	9	9	99100311	--	--	8.5	1028
SEP										
15...	1010	61 12 30 N	149 50 58 W	9	9	99100341	--	--	10.5	1028
SEP										
15-15	1010	61 12 30 N	149 50 58 W	9	H	99100344	--	--	--	1028
19...	1928	61 12 30 N	149 50 58 W	9	9	99100336	9.00	1.00	12.0	1028
SEP										
19-19	1930	61 12 30 N	149 50 58 W	9	H	99100337	--	--	--	1028

15275037 - MERRILL FIELD STORM DRAIN EAST AT ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	ALKA-LINITY WAT WH TOT IT FIELD MG/L AS CACO3 (00419)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L) (00556)	NITRO-GEN, TOTAL (MG/L AS N) (00600)
AUG											
22...	80020	0.01	6150	41	6.3	6.0	1410	1920	340	3	77
SEP											
15...	80020	0.96	112	120	6.6	6.8	39	40	19	1	1.9
SEP											
15-15	80020	--	166	170	--	6.8	60	56	20	--	3.2
19...	80020	16	18	62	6.3	6.8	5	4	22	3	0.90
SEP											
19-19	80020	--	--	71	--	6.7	14	9	34	--	1.1

15275037 - MERRILL FIELD STORM DRAIN EAST AT ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHATE, TOTAL (MG/L AS PO4) (00650)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORGANIC TOTAL (MG/L AS P) (00670)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
AUG										
22...	9.0	67.0	0.030	0.840	76	0.870	0.03	0.090	0.08	1500
SEP										
15...	0.40	1.30	0.020	0.220	1.7	0.240	0.06	0.050	0.03	36
SEP										
15-15	1.0	1.90	0.020	0.290	2.9	0.310	--	0.040	--	54
19...	0.64	0.160	0.020	0.080	0.80	0.100	0.09	0.140	0.11	11
SEP										
19-19	0.52	0.480	0.020	0.090	1.0	0.110	0.09	0.100	0.07	15

15275037 - MERRILL FIELD STORM DRAIN EAST AT ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DRAINAGE AREA (SQ. MI.) (81024)	SAMPLING METHOD, CODES (82398)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)
AUG										
22...	200	160	0.40	0.010	86	340	80.0	0.27	70	3840
SEP										
15...	5.5	3.8	<0.01	0.020	1.7	8.6	80.0	0.27	--	106
SEP										
15-15	7.4	5.0	<0.10	<0.010	2.4	14	80.0	0.27	70	166
19...	1.8	1.5	<0.10	0.030	0.21	4.0	80.0	0.27	70	43
SEP										
19-19	2.8	1.8	<0.10	0.030	0.62	4.9	80.0	0.27	90	55

15275038 - MERRILL FIELD STORM DRAIN WEST AT ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	LATITUDE	LONGITUDE	MEDIUM CODE	SAMPLE TYPE	RECORD NUMBER	TEMPERATURE WATER (DEG C) (00010)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	FLOW RATE, INSTANTANEOUS (G/M) (00059)
MAY										
07...	2140	61 12 30 N	149 51 00 W	9	9	99200062	4.5	1028	80020	1.1
MAY										
07-07	2145	61 12 30 N	149 51 00 W	9	H	99200063	5.0	1028	80020	--

15275038 - MERRILL FIELD STORM DRAIN WEST AT ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG L) (00340)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	ALKALINITY WAT WH TOT IT FIELD MG/L AS CACO3 (00419)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG L) (00556)	NITROGEN, TOTAL (MG/L AS N) (00600)
MAY										
07...	<0.01	27	59	7.3	6.3	6	6	260	<1	1.0
MAY										
07-07	<0.01	26	60	--	6.4	6	6	60	--	0.78

15275038 - MERRILL FIELD STORM DRAIN WEST AT ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHATE, TOTAL (MG/L AS PO4) (00650)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORGANIC TOTAL (MG L AS P) (00670)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
MAY										
07...	0.47	0.330	0.030	0.190	0.80	0.220	0.31	0.150	0.05	18
MAY										
07-07	0.31	0.290	0.050	0.130	0.60	0.180	0.55	0.150	0.0	14

15275038 - MERRILL FIELD STORM DRAIN WEST AT ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	PHOSPHORUS ORTHO TOTAL (MG/L AS P) (70507)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DRAINAGE AREA (SQ. MI.) (81024)	SAMPLING METHOD, CODES (82398)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)
MAY										
07...	2.0	1.0	<0.10	0.100	0.42	4.5	80.0	0.02	70	32
MAY										
07-07	1.8	1.0	<0.10	0.180	0.37	3.5	80.0	0.02	70	32

611220149503600 - NF CHESTER C BL 15TH AVE AT ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	LATITUDE	LONGITUDE	MEDIUM CODE	SAMPLE TYPE	RECORD NUMBER	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	BAROMETRIC PRESSURE (MM OF HG) (00025)
SEP									
12...	1240	61 12 20 N	149 50 36 W	9	9	98001256	7.5	8.0	770

611220149503600 - NF CHESTER C BL 15TH AVE AT ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	BICARBONATE WATER WH FET FIELD MG/L AS HCO3 (00440)	CARBONATE WATER WH PET FIELD MG/L AS CO3 (00445)	COLIFORM, FECAL, 0.7 UM-MF (COLS. 100 ML) (31625)
SEP										
12...	1.2	375	12.0	99	6.5	56	90	110	0	<1

611220149503600 - NF CHESTER C BL 15TH AVE AT ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	LATITUDE	LONGITUDE	MEDIUM CODE	SAMPLE TYPE	RECORD NUMBER	TEMPERATURE WATER (DEG C) (00010)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)
DEC											
02...	1200	61 12 20 N	149 50 36 W	9	9	98600389	--	1028	80020	1.0	430
AUG											
27...	1230	61 12 20 N	149 50 36 W	9	9	98600537	10.5	1028	80020	2.2	180

611220149503600 - NF CHESTER C BL 15TH AVE AT ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SAMPLE TREAT-MENT (CODES) (00115)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CYANIDE TOTAL (MG/L AS CN) (00720)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
DEC												
02...	1	--	8.0	126	1.90	1.90	<0.010	<0.010	190	53	15	15
AUG												
27...	1	5.7	6.7	59	0.650	0.650	<0.010	--	80	23	5.4	8.3

611220149503600 - NF CHESTER C BL 15TH AVE AT ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SODIUM AD-SORP-TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	ARSENIC TOTAL (UG/L AS AS) (01002)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) (01012)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)
DEC												
02...	0.5	14	2.6	45	25	<0.10	17	<1	<10	<1	8	4
AUG												
27...	0.4	18	2.0	19	14	0.10	7.3	3	--	1	24	23

611220149503600 - NF CHESTER C BL 15TH AVE AT ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE) (01044)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN) (01054)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	THAL-LIUM, TOTAL (UG/L AS TL) (01059)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
DEC											
02...	0	5300	5800	<1	30	270	240	<1	1	<1	50
AUG											
27...	--	11000	1300	60	--	350	170	--	18	--	210

611220149503600 - NF CHESTER C BL 15TH AVE AT ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	DI-CHLORO-BROMO-METHANE TOTAL (UG/L) (32101)	CARBON-TETRA-CHLO-RIDE TOTAL (UG/L) (32102)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)	BROMO-FORM TOTAL (UG/L) (32104)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-FORM TOTAL (UG/L) (32106)	TOLUENE TOTAL (UG/L) (34010)	BENZENE TOTAL (UG/L) (34030)	ACE-NAPHTH-YLENE TOTAL (UG L) (34200)
DEC											
02...	<1	<1	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	5.0	<3.0	<5.0
AUG											
27...	1	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	--

611220149503600 - NF CHESTER C EL 15TH AVE AT ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ACE-NAPHTH-ENE TOTAL (UG/L) (34205)	ANTHRA-CENE TOTAL (UG/L) (34220)	BENZO B FLUOR-AN-THENE TOTAL (UG/L) (34230)	BENZO K FLUOR-AN-THENE TOTAL (UG/L) (34242)	BENZO-A-PYRENE TOTAL (UG/L) (34247)	BIS 2-CHLORO-ETHYL ETHER TOTAL (UG/L) (34273)	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L) (34278)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L) (34283)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L) (34292)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-ETHANE TOTAL (UG/L) (34311)
DEC											
02...	<5.0	<5.0	<10.0	<10.0	<10.0	<5.0	<5.0	<5.0	<5.0	<3.0	<3.0
AUG											
27...	--	--	--	--	--	--	--	--	--	<1.20	<0.2

611220149503600 - NF CHESTER C EL 15TH AVE AT ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	CHRY-SENE TOTAL (UG/L) (34320)	DIETHYL PHTHAL-ATE TOTAL (UG/L) (34336)	DI-METHYL PHTHAL-ATE TOTAL (UG/L) (34341)	ETHYL-BENZENE TOTAL (UG/L) (34371)	FLUOR-ANTHENE TOTAL (UG/L) (34376)	FLUOR-ENE TOTAL (UG/L) (34381)	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L) (34386)	HEXA-CHLORO-ETHANE TOTAL (UG/L) (34396)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L) (34403)	ISO-PHORONE TOTAL (UG/L) (34408)	METHYL-BROMIDE TOTAL (UG/L) (34413)
DEC											
02...	<10.0	<5.0	<5.0	<3.0	<5.0	<5.0	<5.0	<5.0	<10.0	<3.0	<3.0
AUG											
27...	--	--	--	<0.2	--	--	--	--	--	--	<0.2

611220149503600 - NF CHESTER C EL 15TH AVE AT ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	METHYL-CHLO-RIDE TOTAL (UG/L) (34418)	METHYL-ENE CHLO-RIDE TOTAL (UG/L) (34423)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L) (34428)	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L) (34433)	N-NITRO-SODI-METHY-LAMINE TOTAL (UG/L) (34438)	NITRO-BENZENE TOTAL (UG/L) (34447)	PARA-CHLORO-META CRESOL TOTAL (UG/L) (34452)	PHENAN-THRENE TOTAL (UG/L) (34461)	PYRENE TOTAL (UG/L) (34469)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)
DEC											
02...	--	<3.0	<5.0	<5.0	<5.0	<5.0	<30.0	<5.0	<5.0	<3.0	<3.0
AUG											
27...	<0.2	<2.0	--	--	--	--	--	--	--	1.2	<0.2

611220149503600 - NF CHESTER C EL 15TH AVE AT ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L) (34511)	ETHANE, 1,1,2,2-TETRA-CHLORO-WAT UNF REC (UG/L) (34516)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL UG/L) 34521)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE TOTAL (UG/L) (34526)	BENZENE O-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	1,2-DI-CHLORO-PROPANE TOTAL UG/L) 34541)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L) (34546)	BENZENE 1,2,4-TRI-CHLORO-WAT UNF REC (UG/L) (34551)
DEC											
02...	<3.0	<3.0	<3.0	<3.0	<3.0	<10.0	<5.0	<5.0	<3.0	1.0	<5.0
AUG											
27...	0.2	<0.2	<0.2	<0.2	<0.2	--	--	<0.20	<0.2	1.2	--

611220149503600 - NF CHESTER C BL 15TH AVE AT ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	1,2,5,6 -DIBENZ -ANTHRA -CENE TOTAL (UG/L) (34556)	1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34561)	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34571)	2- CHLORO- ETHYL- VINYL- ETHER TOTAL (UG/L) (34576	2- CHLORO- NAPH- THALENE TOTAL (UG/L) (34581)	2- CHLORO- PHENOL TOTAL (UG/L) (34586)	2- NITRO- PHENOL TOTAL (UG/L) (34591)	DI-N- OCTYL PHTHAL- ATE TOTAL (UG/L) (34596)	2,4-DI- CHLORO- PHENOL TOTAL (UG/L) (34601)	2,4-DI- METHYL- PHENOL TOTAL (UG/L) (34606)
DEC											
02...	<10.0	<3.0	<5.0	<5.0	<3.0	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0
AUG											
27...	--	<0.20	<0.20	<0.20	<0.2	--	--	--	--	--	--

611220149503600 - NF CHESTER C BL 15TH AVE AT ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	2,4-DI- NITRO- TOLUENE TOTAL (UG/L) (34611)	2,4,- DI- NITRO- PHENOL TOTAL (UG/L) (34616)	2,4,6- TRI- CHLORO- PHENOL TOTAL (UG/L) (34621)	2,6-DI- NITRO- TOLUENE TOTAL (UG/L) (34626)	4- BROMO- PHENYL PHENYL ETHER TOTAL (UG/L) (34636	4- CHLORO- PHENYL PHENYL ETHER TOTAL (UG/L) (34641)	4- NITRO- PHENOL TOTAL (UG/L) (34646)	4,6- DINITRO -ORTHO- CRESOL TOTAL (UG/L) (34657)	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L) (34668)	PHENOL (C6H- 5OH) TOTAL (UG/L) (34694)	NAPHTH- ALENE TOTAL (UG/L) (34696)
DEC											
02...	<5.0	<20.0	<20.0	<5.0	<5.0	<5.0	<30.0	<30.0	<3.0	<5.0	<5.0
AUG											
27...	--	--	--	--	--	--	--	--	0.5	--	--

611220149503600 - NF CHESTER C BL 15TH AVE AT ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TRANS- 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34699)	CIS 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34704)	PENTA- CHLORO- PHENOL TOTAL (UG/L) (39032)	1,2- DIBROMO ETHYL- ENE TOTAL (UG/L) (39082)	BIS(2- ETHYL HEXYL PHTHAL- ATE TOTAL (39100	DI-N- BUTYL PHTHAL- ATE TOTAL (39110)	VINYL CHLO- RIDE TOTAL (39175)	TRI- CHLORO- ETHYL- ENE TOTAL (39180)	HEXA- CHLORO- BENZENE TOTAL (39700)	HEXA- CHLORO- BUT- ADIENE TOTAL (39702)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)
DEC											
02...	--	--	<30.0	--	<5.0	<5.0	<3.0	<3.0	<5.0	<5.0	263
AUG											
27...	<0.2	<0.2	--	<0.2	--	--	0.2	0.2	--	--	119

611220149503600 - NF CHESTER C BL 15TH AVE AT ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	SAM- PLING CONDI- TION (72006)	STYRENE TOTAL (UG/L) (77128	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	HARD- NESS NONCARB WH WAT TOT LAB MG/L AS CACO3 (95902)	ALKA- LINITY, CARBON- ATE IT-FLD (MG/L - CAC03) (99430)	BICAR- BONATE IT-FLD (MG L AS HCO3) (99440)	CAR- BONATE IT-FLD (MG/L AS CO3) (99445)
DEC											
02...	0.71	0.36	0.10	1.00	--	464	124	70	126	154	0
AUG											
27...	0.71	0.16	0.10	1.00	<0.2	154	41	--	60	73	0

611254149491700 - NF CHESTER C AT AIRPORT HTS RD NR ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	LAT-I-TUDE	LONG-I-TUDE	MEDIUM CODE	SAMPLE TYPE	RECORD NUMBER	TEMPER-ATURE WATER (DEG C) (00010)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
MAR									
27...	--	61 12 54 N	149 49 17 W	9	9	97200990	3.0	0.59	275
APR									
10...	0900	61 12 54 N	149 49 17 W	9	9	97200991	2.0	--	270
MAY									
03...	1000	61 12 54 N	149 49 17 W	9	9	97200992	4.0	--	286
JUN									
06...	--	61 12 54 N	149 49 17 W	9	9	97200993	--	--	262
SEP									
21...	--	61 12 54 N	149 49 17 W	9	9	97200994	5.5	--	284

611254149491700 - NF CHESTER C AT AIRPORT HTS RD NR ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	BICAR-BONATE WATER WH FET FIELD MG/L AS HCO3 (00440)	CAR-BONATE WATER WH FET FIELD MG/L AS CO3 (00445)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
MAR										
27...	--	7.3	11	96	120	0	0.001	1.10	0.0	0.050
APR										
10...	8.2	--	--	99	120	0	0.001	1.10	0.0	0.050
MAY										
03...	10.2	7.0	7.8	40	49	0	0.003	0.080	0.06	0.060
JUN										
06...	7.3	6.6	39	89	110	0	0.002	0.720	0.0	0.050
SEP										
21...	6.2	6.6	42	86	100	0	--	1.30	0.0	0.060

611254149491700 - NF CHESTER C AT AIRPORT HTS RD NR ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS HYDRO-LYZABLE DIS. (MG/L AS P) (00672)	PHOS-PHORUS HYDRO. + ORTHO DIS. (MG/L AS P) (00677)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB WH WAT TOT FLD MG/L AS CACO3 (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM PERCENT (00932)
MAR										
27...	0.00	--	--	110	14	35	5.4	--	--	--
APR										
10...	0.00	--	--	130	31	34	10	--	--	--
MAY										
03...	0.020	--	--	--	--	--	--	--	--	--
JUN										
06...	0.00	0.02	0.02	140	51	36	11	--	--	--
SEP										
21...	0.00	--	--	130	44	34	12	5.5	0.2	8

611254149491700 - NF CHESTER C AT AIRPORT HTS RD NR ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	BORON, DISSOLVED (UG/L AS B) (01020)	BORON, TOTAL RECOVERABLE (UG/L AS B) (01022)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)
MAR										
27...	--	--	20	30	--	--	30	40	4.9	0.00
APR										
10...	0.70	--	20	30	0	--	80	30	4.9	0.00
MAY										
03...	--	8.0	40	40	--	--	170	20	0.40	0.01
JUN										
06...	--	13	50	30	--	--	20	30	3.2	0.01
SEP										
21...	1.1	14	20	20	--	10	10	32	5.8	--

611254149491700 - NF CHESTER C AT AIRPORT HTS RD NR ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	LATITUDE	LONGITUDE	MEDIUM CODE	SAMPLE TYPE	RECORD NUMBER	TEMPERATURE WATER (DEG C) (00010)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SAMPLE TREATMENT (CODES) (00116)
DEC											
02...	1100	61 12 54 N	149 49 17 W	9	9	98600414	--	1028	80020	364	1
AUG											
27...	1015	61 12 54 N	149 49 17 W	9	9	98600979	9.5	1028	80020	250	1

611254149491700 - NF CHESTER C AT AIRPORT HTS RD NR ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	ALKALINITY WAT WH TOT PET FIELD MG/L AS CACO3 (00410)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CYANIDE TOTAL (MG/L AS CN) (00720)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM ADSORPTION RATIO (01931)
DEC												
02...	--	8.2	93	2.00	2.00	<0.010	<0.010	160	42	13	11	1.4
AUG												
27...	6.7	7.3	65	1.30	1.30	<0.010	--	110	29	8.4	8.9	1.4

611254149491700 - NF CHESTER C AT AIRPORT HTS RD NR ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SODIUM PERCENT (00932)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	ARSENIC TOTAL (UG/L AS AS) (01002)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)
DEC												
02...	13	1.5	41	23	<0.10	16	<1	<10	<1	8	1	140
AUG												
27...	15	1.3	25	19	0.10	12	2	--	<1	14	10	--

611254149491700 - NF CHESTER C AT AIRPORT HTS RD NR ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN) (01054)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	THAL-LIUM, TOTAL (UG/L AS TL) (01059)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	ZINC TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)
DEC												
02...	510	370	<1	10	60	46	<1	1	<1	41	<1	<1
AUG												
27...	3900	160	<5	--	130	41	--	6	--	141	<1	--

611254149491700 - NF CHESTER C AT AIRPORT HTS RD NR ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	DI-CHLORO-BROMO-METHANE TOTAL (UG/L) (32101)	CARBON-TETRA-CHLO-RIDE TOTAL (UG/L) (32102)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)	BROMO-FORM TOTAL (UG/L) (32104)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-FORM TOTAL (UG/L) (32106)	TOLUENE TOTAL (UG/L) (34010)	BENZENE TOTAL (UG/L) (34030)	ACE-NAPHTH-YLENE TOTAL (UG/L) (34200)	ACE-NAPHTH-ENE TOTAL (UG/L) (34205)	ANTHRA-CENE TOTAL (UG/L) (34220)	BENZO B FLUOR-AN-THENE TOTAL (UG/L) (34230)
DEC												
02...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<5.0	<5.0	<10.0
AUG												
27...	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	--	--	--	--

611254149491700 - NF CHESTER C AT AIRPORT HTS RD NR ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	BENZO K FLUOR-AN-THENE TOTAL (UG/L) (34242)	BENZO-A-PYRENE TOTAL (UG/L) (34247)	BIS 2-CHLORO-ETHYL ETHER TOTAL (UG/L) (34273)	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L) (34278)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L) (34283)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L) (34292)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-ETHANE TOTAL (UG/L) (34311)	CHRY-SENE TOTAL (UG/L) (34320)	DIETHYL PHTHAL-ATE TOTAL (UG/L) (34336)	DI-METHYL PHTHAL-ATE TOTAL (UG/L) (34341)	ETHYL-BENZENE TOTAL (UG/L) (34371)
DEC												
02...	<10.0	<10.0	<5.0	<5.0	<5.0	<5.0	<3.0	<3.0	<10.0	<5.0	<5.0	<3.0
AUG												
27...	--	--	--	--	--	--	<0.20	<0.2	--	--	--	<0.2

611254149491700 - NF CHESTER C AT AIRPORT HTS RD NR ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	FLUOR-ANTHENE TOTAL (UG/L) (34376)	FLUOR-ENE TOTAL (UG/L) (34381)	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L) (34386)	HEXA-CHLORO-ETHANE TOTAL (UG/L) (34396)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L) (34403)	ISO-PHORONE TOTAL (UG/L) (34408)	METHYL-BROMIDE TOTAL (UG/L) (34413)	METHYL-CHLO-RIDE TOTAL (UG/L) (34418)	METHYL-ENE CHLO-RIDE TOTAL (UG/L) (34423)	N-NITRO-SODI-PROPYL-AMINE TOTAL (UG/L) (34428)	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L) (34433)	N-NITRO-SODI-METHY-LAMINE TOTAL (UG/L) (34438)
DEC												
02...	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<3.0	--	<3.0	<5.0	<5.0	<5.0
AUG												
27...	--	--	--	--	--	--	<0.2	<0.2	<1.0	--	--	--

611254149491700 - NF CHESTER C AT AIRPORT HTS RD NR ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	NITRO-BENZENE TOTAL (UG/L) (34447)	PARA-CHLORO-META CRESOL TOTAL (UG/L) (34452)	PHENAN-THRENE TOTAL (UG/L) (34461)	PYRENE TOTAL (UG/L) (34469)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L) (34511)	ETHANE, 1,1,2,2 TETRA-CHLORO-WAT UNF REC (UG/L) (34516)	BENZOGHI PERYLENE1,12-BENZOPERYLENE TOTAL (UG/L) (34521)
DEC												
02...	<5.0	<30.0	<5.0	<5.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<10.0
AUG												
27...	--	--	--	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	--

611254149491700 - NF CHESTER C AT AIRPORT HTS RD NR ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	BENZO A ANTHRACENE1,2-BENZANTHRACENE TOTAL (UG/L) (34526)	BENZENE O-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L) (34541)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L) (34546)	BENZENE 1,2,4-TRI-CHLORO-WAT UNF REC (UG/L) (34551)	1,2,5,6-DIBENZ-ANTHRACENE TOTAL (UG/L) (34556)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34561)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L) (34576)	2-CHLORO-NAPH-THALENE TOTAL (UG/L) (34581)	2-CHLORO-PHENOL TOTAL (UG/L) (34586)
DEC												
02...	<5.0	<5.0	<3.0	<3.0	<5.0	<10.0	<3.0	<5.0	<5.0	<1.0	<3.0	<5.0
AUG												
27...	--	<0.20	<0.2	<0.2	--	--	<0.20	<0.20	<0.20	<1.0	--	--

611254149491700 - NF CHESTER C AT AIRPORT HTS RD NR ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	2-NITRO-PHENOL TOTAL (UG/L) (34591)	DI-N-OCTYL PHTHAL-ATE TOTAL (UG/L) (34596)	2,4-DI-CHLORO-PHENOL TOTAL (UG/L) (34601)	2,4-DI-METHYL-PHENOL TOTAL (UG/L) (34606)	2,4-DI-NITRO-TOLUENE TOTAL (UG/L) (34611)	2,4,-DI-NITRO-PHENOL TOTAL (UG/L) (34616)	2,4,6-TRI-CHLORO-PHENOL TOTAL (UG/L) (34621)	2,6-DI-NITRO-TOLUENE TOTAL (UG/L) (34626)	4-BROMO-PHENYL PHENYL ETHER TOTAL (UG/L) (34636)	4-CHLORO-PHENYL PHENYL ETHER TOTAL (UG/L) (34641)	4-NITRO-PHENOL TOTAL (UG/L) (34646)	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L) (34657)
DEC												
02...	<5.0	<10.0	<5.0	<5.0	<5.0	<20.0	<20.0	<5.0	<5.0	<1.0	<10.0	<30.0
AUG												
27...	--	--	--	--	--	--	--	--	--	--	--	--

611254149491700 - NF CHESTER C AT AIRPORT HTS RD NR ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)	PHENOL (C6H-5OH) TOTAL (UG/L) (34694)	NAPHTH-ALENE TOTAL (UG/L) (34696)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34699)	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34704)	PENTA-CHLORO-PHENOL TOTAL (UG/L) (39032)	1,2-DIBROMO ETHYL-ENE TOTAL (UG/L) (39082)	BIS(2-ETHYL HEXYL) PHTHAL-ATE TOTAL (UG/L) (39100)	DI-N-BUTYL PHTHAL-ATE TOTAL (UG/L) (39110)	VINYL CHLO-RIDE TOTAL (UG/L) (39175)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)	HEXA-CHLORO-BENZENE TOTAL (UG/L) (39700)
DEC												
02...	<3.0	<5.0	<5.0	--	--	<30.0	--	<5.0	<5.0	<1.0	<3.0	<5.0
AUG												
27...	0.4	--	--	<0.2	<0.2	--	<0.2	--	--	<1.0	<0.2	--

611254149491700 - NF CHESTER C AT AIRPORT HTS RD NR ANCHORAGE AK
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

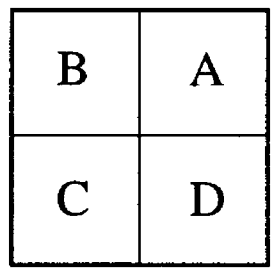
DATE	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L) (39702)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SAM-PLING CONDI-TION (72006)	STYRENE TOTAL (UG/L) (77128)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	HARD-NESS NONCARB WH WAT TOT LAB MG/L AS CACO3 (95902)	ALKA-LINITY, CARBON-ATE IT-FLD (MG/L - CAC03) (99430)	BICAR-BONATE IT-FLD (MG/L AS HCO3) (99440)	CAR-BONATE IT-FLD (MG/L AS CO3) (99445)
DEC												
02...	<5.0	212	0.29	<0.10	1.00	--	378	93	65	93	113	0
AUG												
27...	--	149	0.20	<0.10	1.00	<0.2	263	65	--	66	80	0

APPENDIX 2

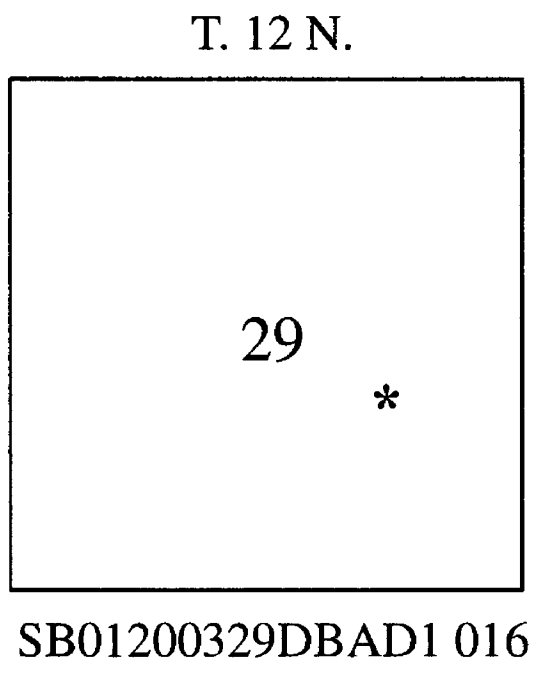
Well inventory and water-quality data for wells in the Merrill Field airport area

EXPLANATION OF LOCAL NUMBER

The local well-numbering system is based on the rectangular subdivision of public lands. The first two letters indicate the well's position in reference to a base and meridian (first letter) and the quadrant formed by the intersection of the base line and the principal meridian (second letter), lettered counter-clockwise from the northeast corner:



The first three digits indicate the township in which the well is located, the next three digits, the range, and the last two digits, the section. For example, a well in south Anchorage numbered SB01200329DBAD1 016 is located in township 12 north, range 3 west, section 29. Letters following the section number indicate further subdivision: the quarter section, the quarter-quarter section, and so forth to the fourth section subdivision. Like the quadrants formed by the base and meridian, each succeeding subdivision is lettered counter-clockwise from the northeast corner. The number after the letters refers to the sequential listing of wells in the smallest subdivision. Thus, well SB01200329DBAD1 was the first well located in the southeast quarter (D) of the northeast quarter (A) of the northwest quarter (B) of the southeast quarter (D) of section 29. The number following the fourth section subdivision is a sequence number referring to the number of wells in that fourth section subdivision.



Local Well Number	Date Well Constructed	Primary Use of Water	Owner	Depth of Well (m)	Static Water Level (m)	Date of Water Level Measurement	Type of Log Available
SB01300316BCCD1 004	08 01 56	domestic	STEVENSON R J	59	12.0	08 09 56	drillers
SB01300316CBDB1 005	---	commercial	WESTERN RADIO SV	---	---	---	---
SB01300317DADA1 012	05 06 69	unused	ANCHORAGE MUNICIPL	93	---	05 07 69	drillers
---	---	---	---	---	---	---	gamma ray
---	---	---	---	---	---	---	neutron
---	---	---	---	---	---	---	temperature
---	---	---	---	---	---	---	gamma-gamma
SB01300316CCBC2 006	06 10 74	unused	ANCHORAGE MUNICIPL	21	17.0	06 12 74	drillers
---	---	---	---	---	---	---	neutron
---	---	---	---	---	---	---	gamma-gamma
SB01300316CCBC3 006	06 11 74	unused	ANCHORAGE MUNICIPL	5	2.4	06 12 74	drillers
SB01300316CCBC1 006	06 06 74	unused	ANCHORAGE MUNICIPL	29	13.0	06 12 74	drillers
---	---	---	---	---	---	---	gamma ray
---	---	---	---	---	---	---	neutron
---	---	---	---	---	---	---	temperature
---	---	---	---	---	---	---	gamma-gamma
SB01300317DDDD1 002	10 01 85	unused	USGS ANCHORAGE	21	---	10 04 85	geologists
SB01300317DCDC1 011	10 02 85	unused	USGS ANCHORAGE	15.0	---	10 04 85	drillers
SB01300320ABBB1 001	08 01 55	public supply	ANCHORAGE MUNICIPL	107	4.6	01 18 56	drillers
---	---	---	---	---	5.1	---	---
SB01300320AAAC1 034	09 01 76	unused	ANCHORAGE MUNICIPL	8.4	---	10 15 76	drillers
							---

Local Well Number	Date Well Constructed	Primary Use of Water	Owner	Depth of Well (m)	Static Water Level (m)	Date of Water Level Measurement	Type of Log Available
SB01300320AADA1 003	10 09 85	unused	USGS ANCHORAGE	14	---	10 15 85	drillers
SB01300320ABDA1 051	---	unused	ANCH MUNICIPL (LANDFILL)	6	---	---	---
SB01300320ABCD1 053	---	unused	ANCH MUNICIPL (LANDFILL)	5	---	---	---
SB01300320ABDC1 052	---	unused	ANCH MUNICIPL (LANDFILL)	6	---	---	---
SB01300320ABDD1 033	08 17 76	unused	ANCHORAGE MUNICIPL	28	11.0	08 26 76	drillers
---	---	---	---	---	---	---	geologists
SB01300320ABDD2 033	08 28 76	unused	ANCHORAGE MUNICIPL	11	---	09 14 76	drillers
SB01300317CADD1 015	07 01 50	commercial	CITY ELECTRIC	10	---	09 14 50	drillers
SB01300317DBDA1 004	09 03 55	commercial	SPERNAK GEORGE	45	7.6	09 03 55	drillers
SB01300317DADA2 012	09 20 72	other	USGS	12	---	---	---
SB01300317CDDD2 010	07 28 67	---	USGS	30	---	07 29 67	drillers
---	---	---	---	---	---	---	gamma ray
---	---	---	---	---	---	---	neutron
---	---	---	---	---	---	---	gamma-gamma
SB01300317CDDD1 010	07 26 67	unused	USGS	30	---	07 27 67	drillers
---	---	---	---	---	---	---	gamma ray
---	---	---	---	---	---	---	neutron
---	---	---	---	---	---	---	gamma-gamma
SB01300317CDDD3 010	09 25 70	unused	USGS	9	---	10 05 70	drillers

611223149503901 - SB01300320ABDD1 033 CITY LANDFILL 4
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	LAT-I-TUDE	LONG-I-TUDE	MEDIUM CODE	SAMPLE TYPE	RECORD NUMBER	TEMPERATURE WATER (DEG C) (00010)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	FLOW RATE, INSTANTANEOUS (G/M) (00059)	SPECIFIC CONDUCTANCE (US/CM) (00095)
AUG 26...	0930	61 12 23 N	149 50 39 W	6	9	98600529	4.5	1028	80020	8.0	420

611223149503901 - SB01300320ABDD1 033 CITY LANDFILL 4
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SAMPLE TREATMENT (CODES) (00115)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM ADSORPTION RATIO (00931)
AUG 26...	1	7.1	8.3	157	<0.100	0.15	0.050	190	42	21	17	0.5

611223149503901 - SB01300320ABDD1 033 CITY LANDFILL 4
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	POTASSIUM, DISSOLVED SODIUM PERCENT (00932)	CHLORIDE, DISSOLVED (MG/L AS K) (00935)	SULFATE DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS SO4) (00945)	SILICA, DISSOLVED (MG/L AS F) (00950)	ARSENIC TOTAL (MG/L AS SIO2) (00955)	CADMIUM TOTAL RECOVERABLE (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CD) (01027)	COPPER, TOTAL RECOVERABLE (UG/L AS CR) (01034)	IRON, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, DISSOLVED (UG/L AS FE) (01045)	(UG/L AS FE) (01046)
AUG 26...	16	2.4	19	51	0.10	13	23	<1	9	3	370	67

611223149503901 - SB01300320ABDD1 033 CITY LANDFILL 4
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	NICKEL, TOTAL RECOVERABLE (UG, L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	DI-CHLOROBROMOMETHANE TOTAL (UG/L) (32101)	CARBONTETRACHLORIDE TOTAL (UG/L) (32102)	1,2-DICHLOROETHANE TOTAL (UG/L) (32103)	BROMOFORM TOTAL (UG/L) (32104)	CHLORODIBROMOMETHANE TOTAL (UG/L) (32105)	CHLOROFORM TOTAL (UG/L) (32106)
AUG 26...	<5	150	130	2	10	1	<0.2	0.2	<0.2	<0.2	<0.2	0.2

611223149503901 - SB01300320ABDD1 033 CITY LANDFILL 4
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TOLUENE TOTAL (UG/L) (34010)	BENZENE TOTAL (UG/L) (34030)	CHLOROBENZENE TOTAL (UG/L) (34301)	CHLOROETHANE TOTAL (UG/L) (34311)	ETHYLBENZENE TOTAL (UG/L) (34371)	METHYLBROMIDE TOTAL (UG/L) (34413)	METHYLCHLORIDE TOTAL (UG/L) (34418)	METHYLENE CHLORIDE TOTAL (UG/L) (34423)	TETRACHLOROETHYLENE TOTAL (UG/L) (34475)	TRICHLOROFLUOROMETHANE TOTAL (UG/L) (34488)	1,1-DICHLOROETHANE TOTAL (UG/L) (34496)	1,1-DICHLOROETHYLENE TOTAL (UG/L) (34501)
AUG 26...	0.3	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	66	<0.2	0.3	<0.2	<0.2

611223149503901 - SB01300320ABDD1 033 CITY LANDFILL 4
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	1,1,1-TRICHLOROETHANE TOTAL (UG/L) (34506)	1,1,2-TRICHLOROETHANE TOTAL (UG/L) (34511)	ETHANE, 1,1,2,2 TETRACHLORO-WAT UNF REC (UG/L) (34516)	BENZENE O-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	1,2-DICHLOROPROPANE TOTAL (UG/L) (34541)	1,2-TRANSDICHLOROETHENE TOTAL (UG/L) (34546)	1,3-DICHLOROPROPENE TOTAL (UG/L) (34561)	BENZENE 1,3-DICHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DICHLORO-WATER UNFLTRD REC (UG/L) (34571)	2-CHLOROETHYLVINYLETHER TOTAL (UG/L) (34576)	DICHLORODIFLUOROMETHANE TOTAL (UG/L) (34668)	TRANS-1,3-DICHLOROPROPENE TOTAL (UG/L) (34699)
AUG 26...	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20	<0.20	<0.20	<0.2	0.2	<0.2

611223149503901 - SB01300320ABDD1 033 CITY LANDFILL 4
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	CIS 1,3-DICHLOROPROPENE TOTAL (UG/L) (34704)	1,2-DIBROMOETHYLENE TOTAL (UG/L) (39082)	VINYL CHLORIDE TOTAL (UG/L) (39175)	TRICHLOROETHYLENE TOTAL (UG/L) (39180)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF HOLE, TOTAL (FEET) (72001)	DEPTH TO TOP OF WATER-BEARING ZONE (FT) (72002)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN) (72004)	SAMPLE SOURCE (72005)
AUG 26...	<0.2	<0.2	<0.2	0.4	260	0.35	<0.10	85.6	91	89	55	1

611223149503901 - SB01300320ABDD1 033 CITY LANDFILL 4
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SAMPLING CONDITION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	STYRENE TOTAL (UG/L) (77128)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	ALKALINITY LAB (MG/L AS CACO3) (90410)	ALKALINITY, CARBONATE IT-FLD (MG/L - CAC03) (99430)	BICARBONATE IT-FLD (MG/L AS HCO3) (99440)	CARBONATE IT-FLD (MG/L AS CO3) (99445)
AUG 26...	1.00	91.00	91	91	6.02	<0.2	449	157	157	191	0

611223149503902 - SB01300320ABDD2 033 CITY LANDFILL 5
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	LATITUDE	LONGITUDE	MEDIUM CODE	SAMPLE TYPE	RECORD NUMBER	TEMPERATURE WATER (DEG C) (00010)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	FLOW RATE, INSTANTANEOUS (G/M) (00059)	SPECIFIC CONDUCTANCE (US/CM) (00095)
AUG 26...	1035	61 12 23 N	149 50 39 W	6	9	98600535	5.0	1028	80020	2.0	850

611223149503902 - SB01300320ABDD2 033 CITY LANDFILL 5
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SAMPLE TREATMENT (CODES) (00115)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM ADSORPTION RATIO (00931)	SODIUM PERCENT (00932)
AUG 26...	1	6.8	7.1	217	<0.100	<0.010	290	82	20	59	2	30

611223149503902 - SB01300320ABDD2 033 CITY LANDFILL 5
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
AUG 26...	5.1	140	24	<0.10	28	130	<1	29	33	14000	11000	<5

611223149503902 - SB01300320ABDD2 033 CITY LANDFILL 5
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	DICHLOROBROMOMETHANE TOTAL (UG/L) (32101)	CARBON-TETRACHLORIDE TOTAL (UG/L) (32102)	1,2-DICHLOROETHANE TOTAL (UG/L) (32103)	BROMOFORM TOTAL (UG/L) (32104)	CHLORODIBROMOMETHANE TOTAL (UG/L) (32105)	CHLOROFORM TOTAL (UG/L) (32106)	TOLUENE TOTAL (UG/L) (34010)
AUG 26...	3000	3000	13	30	4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.7

611223149503902 - SB01300320ABDD2 033 CITY LANDFILL 5
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	BENZENE TOTAL (UG/L) (34030)	CHLOROBENZENE TOTAL (UG/L) (34301)	CHLOROETHANE TOTAL (UG/L) (34311)	ETHYLBENZENE TOTAL (UG/L) (34371)	METHYLBROMIDE TOTAL (UG/L) (34413)	METHYLCHLORIDE TOTAL (UG/L) (34418)	METHYLENE CHLORIDE TOTAL (UG/L) (34423)	TETRACHLOROETHYLENE TOTAL (UG/L) (34475)	TRICHLOROFLUOROMETHANE TOTAL (UG/L) (34488)	1,1-DICHLOROETHANE TOTAL (UG/L) (34496)	1,1-DICHLOROETHYLENE TOTAL (UG/L) (34501)	1,1,1-TRICHLOROETHANE TOTAL (UG/L) (34506)
AUG 26...	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<2.0	<0.2	<0.2	0.4	<0.2	<0.2

611223149503902 - SB01300320ABDD2 033 CITY LANDFILL 5
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	1,1,2-TRICHLOROETHANE TOTAL (UG/L) (34511)	ETHANE, 1,1,2,2 TETRACHLORO-WAT UNF REC (UG/L) (34516)	BENZENE O-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	1,2-DICHLOROPROPANE TOTAL (UG/L) (34541)	1,2-TRANSDICHLOROETHENE TOTAL (UG/L) (34546)	1,3-DICHLOROPROPENE TOTAL (UG/L) (34561)	BENZENE 1,3-DICHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DICHLORO-WATER UNFLTRD REC (UG/L) (34571)	2-CHLOROETHYLVINYLETHER TOTAL (UG/L) (34576)	DICHLORODIFLUOROMETHANE TOTAL (UG/L) (34668)	TRANS-1,3-DICHLOROPROPENE TOTAL (UG/L) (34699)	CIS 1,3-DICHLOROPROPENE TOTAL (UG/L) (34704)
AUG 26...	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20	<0.20	<0.20	<0.2	0.7	<0.2	<0.2

611223149503902 - SB01300320ABDD2 033 CITY LANDFILL 5
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	1,2-DIBROMOETHYLENE TOTAL (UG/L) (39082)	VINYL CHLORIDE TOTAL (UG/L) (39175)	TRICHLOROETHYLENE TOTAL (UG/L) (39180)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF HOLE, TOTAL (FEET) (72001)	DEPTH TO BOTTOM OF WATER-BEARING ZONE (FT) (72003)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN) (72004)	SAMPLE SOURCE (72005)
AUG 26...	<0.2	0.9	<0.2	504	0.69	<0.10	86.0	45	35	60	1

611223149503902 - SB01300320ABDD2 033 CITY LANDFILL 5
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SAMPLING CONDITION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	STYRENE TOTAL (UG/L) (77128)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	ALKALINITY LAB (MG/L AS CACO3) (90410)	ALKALINITY, CARBONATE IT-FLD (MG/L - CAC03) (99430)	BICARBONATE IT-FLD (MG/L AS HCO3) (99440)	CARBONATE IT-FLD (MG/L AS CO3) (99445)
AUG 26...	1.00	35.00	32	35	5.53	<0.2	831	214	221	269	0

611227149504501 - SB01300320ABDC1 052 CITY LANDFILL 14
WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	LATITUDE	LONGITUDE	MEDIUM CODE	SAMPLE TYPE	RECORD NUMBER	TEMPERATURE WATER (DEG C) (00010)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)
JUN 23...	0835	61 12 27 N	149 50 45 W	6	9	98700238	4.0	1028	80020

611227149504501 - SB01300320ABDC1 052 CITY LANDFILL 14
WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	SPECIFIC CONDUCTANCE (US/CM) (00095)	DICHLOROBROMOMETHANE TOTAL (UG/L) (32101)	CARBONTETRACHLORIDE TOTAL (UG/L) (32102)	1,2-DICHLOROETHANE TOTAL (UG/L) (32103)	BROMOFORM TOTAL (UG/L) (32104)	CHLORODIBROMOMETHANE TOTAL (UG/L) (32105)	CHLOROFORM TOTAL (UG/L) (32106)	TOLUENE TOTAL (UG/L) (34010)	BENZENE TOTAL (UG/L) (34030)	CHLOROBENZENE TOTAL (UG/L) (34301)
JUN 23...	1180	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2	<0.2	<0.20

611227149504501 - SB01300320ABDC1 052 CITY LANDFILL 14
WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	CHLOROETHANE TOTAL (UG/L) (34311)	ETHYLBENZENE TOTAL (UG/L) (34371)	METHYLBROMIDE TOTAL (UG/L) (34413)	METHYLCHLORIDE TOTAL (UG/L) (34418)	METHYLENE CHLORIDE TOTAL (UG/L) (34423)	TETRACHLOROETHYLENE TOTAL (UG/L) (34475)	TRICHLOROFLUOROMETHANE TOTAL (UG/L) (34488)	1,1-DICHLOROETHANE TOTAL (UG/L) (34496)	1,1-DICHLOROETHYLENE TOTAL (UG/L) (34501)	1,1,1-TRICHLOROETHANE TOTAL (UG/L) (34506)
JUN 23...	<0.2	<0.2	<0.2	17	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

611227149504501 - SB01300320ABDC1 052 CITY LANDFILL 14
WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	1,1,2-TRICHLOROETHANE TOTAL (UG/L) (34511)	ETHANE, 1,1,2,2 TETRACHLORO-WAT UNF REC (UG/L) (34516)	BENZENE O-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	1,2-DICHLOROPROPANE TOTAL (UG/L) (34541)	1,2-TRANSDICHLOROETHENE TOTAL (UG/L) (34546)	1,3-DICHLOROPROPENE TOTAL (UG/L) (34561)	BENZENE 1,3-DICHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DICHLORO-WATER UNFLTRD REC (UG/L) (34571)	2-CHLOROETHYLVINYLETHER TOTAL (UG/L) (34576)	DICHLORODIFLUOROMETHANE TOTAL (UG/L) (34668)
JUN 23...	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20	<0.20	<0.20	<0.2	4.6

611227149304501 - SB01300320ABDC1 052 CITY LANDFILL 14
WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34699)	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34704)	1,2-DIBROMO ETHYL-ENE TOTAL (UG/L) (39082)	VINYL CHLO-RIDE TOTAL (UG/L) (39175)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	STYRENE TOTAL (UG/L) (77128)	XYLENE WATER UNFLTRD REC (UG/L) (81551)
JUN 23...	<0.2	<0.2	<0.2	1.9	<0.2	85.1	20.00	6.50	<0.2	<0.20

611228149303901 - SB01300320ABDA1 051 CITY LANDFILL 13
WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	LAT-I-TUDE	LONG-I-TUDE	MEDIUM CODE	SAMPLE TYPE	RECORD NUMBER	TEMPER-ATURE WATER (DEG C) (00010)	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE CODE NUMBER) (00028)
JUN 23...	1021	61 12 28 N	149 50 39 W	6	9	98700243	4.5	1028	30020

611228149303901 - SB01300320ABDA1 051 CITY LANDFILL 13
WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	DI-CHLORO-BROMO-METHANE TOTAL (UG/L) (32101)	CARBON-TETRA-CHLO-RIDE TOTAL (UG/L) 32102)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)	BROMO-FORM TOTAL (UG/L) (32104)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-FORM TOTAL (UG/L) (32106)	TOLUENE TOTAL (UG/L) (34010)	BENZENE TOTAL (UG/L) (34030)	CHLORO-BENZENE TOTAL (UG/L) 34301)
JUN 23...	820	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.3	<0.20

611228149303901 - SB01300320ABDA1 051 CITY LANDFILL 13
WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	CHLORO-ETHANE TOTAL (UG/L) (34311)	ETHYL-BENZENE TOTAL (UG/L) (34371	METHYL-BROMIDE TOTAL UG/L) 34413)	METHYL-CHLO-RIDE TOTAL (UG/L) (34418)	METHYL-ENE CHLO-RIDE TOTAL (UG/L) (34423)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)	1,1,1-TRI-CHLORO-ETHANE TOTAL UG/L) 34506)
JUN 23...	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

611228149303901 - SB01300320ABDA1 051 CITY LANDFILL 13
WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L) (34511)	ETHANE, 1,1,2,2-TETRA-CHLORO-WAT UNF REC (UG/L) (34516	BENZENE O-CHLORO-WATER UNFLTRD REC UG/L) 34536)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L) (34541)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L) (34546)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34561)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L) (34576)	DI-CHLORO-DI-FLUORO-METHANE TOTAL UG/L) 34668)
JUN 23...	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20	<0.20	<0.20	<0.2	<0.2

611228149503901 - SB01300320ABDA1 051 CITY LANDFILL 13
WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34699)	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34704)	1,2-DIBROMO ETHYL-ENE TOTAL (UG/L) (39082)	VINYL CHLO-RIDE TOTAL (UG/L) (39175)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	STYRENE TOTAL (UG/L) (77128)	XYLENE WATER UNFLTRD REC (UG/L) (81551)
JUN 23...	<0.2	<0.2	<0.2	<0.2	<0.2	86.7	20.00	6.57	<0.2	<0.20

611228149505401 - SB01300320ABCD1 053 CITY LANDFILL 15
WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	LAT-I-TUDE	LONG-I-TUDE	MEDIUM CODE	SAMPLE TYPE	RECORD NUMBER	TEMPER-ATURE WATER (DEG C) (00010)	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)
JUN 23...	0925	61 12 28 N	149 50 54 W	6	9	98700241	2.0	1028	80020

611228149505401 - SB01300320ABCD1 053 CITY LANDFILL 15
WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	DI-CHLORO-BROMO-METHANE TOTAL (UG/L) (32101)	CARBON-TETRA-CHLO-RIDE TOTAL (UG/L) (32102)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)	BROMO-FORM TOTAL (UG/L) (32104)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-FORM TOTAL (UG/L) (32106)	TOLUENE TOTAL (UG/L) (34010)	BENZENE TOTAL (UG/L) (34030)	CHLORO-BENZENE TOTAL (UG/L) (34301)
JUN 23...	560	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	<0.20

611228149505401 - SB01300320ABCD1 053 CITY LANDFILL 15
WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	CHLORO-ETHANE TOTAL (UG/L) (34311)	ETHYL-BENZENE TOTAL (UG/L) (34371)	METHYL-BROMIDE TOTAL (UG/L) (34413)	METHYL-CHLO-RIDE TOTAL (UG/L) (34418)	METHYL-ENE CHLO-RIDE TOTAL (UG/L) (34423)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)
JUN 23...	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

611228149505401 - SB01300320ABCD1 053 CITY LANDFILL 15
WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L) (34511)	ETHANE, 1,1,2,2 TETRA-CHLORO-WAT UNF REC (UG/L) (34516)	BENZENE O-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L) (34541)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L) (34546)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34561)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L) (34576)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)
JUN 23...	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20	<0.20	<0.20	<0.2	0.2

611228149505401 - SB01300320ABCD1 053 CITY LANDFILL 15
WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TRANS-1,3-DICHLOROPROPENE TOTAL (UG/L) (34699)	CIS 1,3-DICHLOROPROPENE TOTAL (UG/L) (34704)	1,2-DIBROMOETHYLENE TOTAL (UG/L) (39082)	VINYL CHLORIDE TOTAL (UG/L) (39175)	TRICHLOROETHYLENE TOTAL (UG/L) (39180)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF WELL, TOTAL (FEET) (72008)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	STYRENE TOTAL (UG/L) (77128)	XYLENE WATER UNFLTRD REC (UG/L) (81551)
JUN 23...	<0.2	<0.2	<0.2	<0.2	<0.2	78.6	15.00	0.85	<0.2	<0.20

611230149502301 - SB01300320AAAC1 034
WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	LATITUDE	LONGITUDE	MEDIUM CODE	SAMPLE TYPE	RECORD NUMBER	TEMPERATURE WATER (DEG C) (00010)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SAMPLE TREATMENT (CODES) (00115)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
OCT 15...	1440	61 12 30 N	149 50 23 W	6	9	97700600	4.5	340	1	153

611230149502301 - SB01300320AAAC1 034
WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	BICARBONATE WATER WH FET FIELD MG/L AS HCO3 (00440)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB WH WAT TOT FLD MG/L AS CACO3 (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM ADSORPTION RATIO (00931)	CHLORIDE, DISSOLVED MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	ARSENIC DISSOLVED (UG/L AS AS) (01000)
OCT 15...	190	19	0	3.9	2.2	68	7	3.9	12	1

611230149502301 - SB01300320AAAC1 034
WATER-QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	ARSENIC TOTAL (UG/L AS AS) (01002)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF HOLE, TOTAL (FEET) (72001)	SAMPLE SOURCE (72005)	SAMPLING CONDITION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)
OCT 15...	16	200	20	87.5	34	32	15.00	27.50	28	28

611232149505801 - SB01300320ABBB1 001
WATER-QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	LATITUDE	LONGITUDE	MEDIUM CODE	SAMPLE TYPE	RECORD NUMBER	TEMPERATURE WATER (DEG C) (00010)	FLOW RATE, INSTANTANEOUS (G/M) (00059)
APR 20...	1330	61 12 32 N	149 50 58 W	6	9	97800664	4.5	1100

611232149505801 - SB01300320ABBB1 001
WATER-QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SPECIFIC CONDUCTANCE (US/CM) (00095)	SAMPLE TREATMENT (CODES) (00115)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	BICARBONATE WATER WH FET FIELD MG/L AS HCO3 (00440)	CARBONATE WATER WH FET FIELD MG/L AS CO3 (00445)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF HOLE, TOTAL (FEET) (72001)
APR 20...	190	2	6.9	21	86	100	0	91.8	452

611232149505801 - SB01300320ABBB1 001
WATER-QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	DEPTH TO TOP OF WATER-BEARING ZONE (FT) (72002)	DEPTH TO BOTTOM OF WATER-BEARING ZONE (FT) (72003)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN) (72004)	SAMPLE SOURCE (72005)	SAMPLING CONDITION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)
APR 20...	268	338	270	1	8.00	351.00	296	351

611243149500701 - SB01300316CCBC1 006 CITY LANDFILL 1
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	LATITUDE	LONGITUDE	MEDIUM CODE	SAMPLE TYPE	RECORD NUMBER	TEMPERATURE WATER (DEG C) (00010)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	FLOW RATE, INSTANTANEOUS (G'M) (00059)	SPECIFIC CONDUCTANCE (US/CM) (00095)
AUG 25...	1100	61 12 43 N	149 50 07 W	6	9	98600531	4.5	1028	80020	7.5	263

611243149500701 - SB01300316CCBC1 006 CITY LANDFILL 1
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SAMPLE TREATMENT (CODES) (00115)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM ADSORPTION RATIO (00931)
AUG 25...	1	7.8	8.0	125	<0.100	0.18	0.060	91	23	8.2	24	1

611243149500701 - SB01300316CCBC1 006 CITY LANDFILL 1
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SODIUM PERCENT (00932)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)
AUG 25...	36	2.6	4.8	9.4	0.30	12	36	<1	10	10	2400	1000

611243149500701 - SB01300316CCBC1 006 CITY LANDFILL 1
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) 01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	DI-CHLORO-BROMO-METHANE TOTAL (UG/L) (32101)	CARBON-TETRA-CHLO-RIDE TOTAL (UG/L) (32102)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)	BROMO-FORM TOTAL (UG/L) (32104)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-FORM TOTAL (UG/L) (32106)
AUG 25...	26	250	230	7	30	2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

611243149500701 - SB01300316CCBC1 006 CITY LANDFILL 1
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TOLUENE TOTAL (UG/L) (34010)	BENZENE TOTAL UG/L) 34030)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-ETHANE TOTAL (UG/L) (34311)	ETHYL-BENZENE TOTAL (UG/L) (34371)	METHYL-BROMIDE TOTAL (UG/L) (34413)	METHYL-CHLO-RIDE TOTAL (UG/L) (34418)	METHYL-ENE CHLO-RIDE TOTAL (UG/L) (34423)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)
AUG 25...	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

611243149500701 - SB01300316CCBC1 006 CITY LANDFILL 1
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)	1,1,2-TRI-CHLORO-ETHANE TOTAL UG/L) 34511)	ETHANE, 1,1,2,2 TETRA-CHLORO-WAT UNF REC (UG/L) (34516)	BENZENE O-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L) (34541)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L) (34546)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34561)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L) (34576)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34699)
AUG 25...	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20	<0.20	<0.20	<0.2	<0.2	<0.2

611243149500701 - SB01300316CCBC1 006 CITY LANDFILL 1
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34704)	1,2-DIBROMO ETHYL-ENE TOTAL UG/L) 39082)	VINYL CHLO-RIDE TOTAL (UG/L) (39175)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF HOLE, TOTAL (FEET) (72001)	DEPTH TO TOP OF WATER-BEARING ZONE (FT) (72002)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	SAMPLE SOURCE (72005)
AUG 25...	<0.2	<0.2	<0.2	<0.2	160	0.22	0.30	101	95	91	45	1

611243149500701 - SB01300316CCBC1 006 CITY LANDFILL 1
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SAM-PLING CONDI-TION (72015	DEPTH OF WELL, TOTAL (FEET) (72008)	DEPTH TO TOP OF SAMPLE INTER-VAL (FT) (72015)	DEPTH TO BOT-TOM OF SAMPLE INTER-VAL (FT) (72016)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	STYRENE TOTAL (UG/L) (77128)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	ALKA-LINITY, CARBON-ATE IT-FLD (MG/L - CAC03) (99430)	BICAR-BONATE IT-FLD (MG/L AS HCO3) (99440)	CAR-BONATE IT-FLD (MG/L AS CO3) (99445)
AUG 25...	1.10	95.00	95	95	21.20	<0.2	273	126	124	152	0

611243149500702 - SB01300316CCBC2 006 CITY LANDFILL 2
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	LAT-I-TUDE	LONG-I-TUDE	MEDIUM CODE	SAMPLE TYPE	RECORD NUMBER	TEMPER-ATURE WATER (DEG C) (00010)	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	FLOW RATE, INSTAN-TANEOUS (G/M) (00059)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
AUG 25...	1230	61 12 43 N	149 50 07 W	6	9	98600532	5.0	1028	80020	7.5	256

611243149500702 - SB01300316CCBC2 006 CITY LANDFILL 2
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SAMPLE TREAT-MENT (CODES) (00115)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)
AUG 25...	1	8.3	8.1	132	<0.100	0.18	0.060	90	23	7.9	23	1

611243149500702 - SB01300316CCBC2 006 CITY LANDFILL 2
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SODIUM PERCENT (00932)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
AUG 25...	35	2.4	4.2	9.6	0.30	12	38	<1	28	10	8500	700

611243149500702 - SB01300316CCBC2 006 CITY LANDFILL 2
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	DI-CHLORO-BROMO-METHANE TOTAL (UG/L) (32101)	CARBON-TETRA-CHLO-RIDE TOTAL (UG/L) (32102)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)	BROMO-FORM TOTAL (UG/L) (32104)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-FORM TOTAL (UG/L) (32106)
AUG 25...	10	320	210	7	30	1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

611243149500702 - SB01300316CCBC2 006 CITY LANDFILL 2
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TOLUENE TOTAL (UG/L) (34010)	BENZENE TOTAL (UG/L) (34030)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-ETHANE TOTAL (UG/L) (34311)	ETHYL-BENZENE TOTAL (UG/L) (34371)	METHYL-BROMIDE TOTAL (UG/L) (34413)	METHYL-CHLO-RIDE TOTAL (UG/L) (34418)	METHYL-ENE CHLO-RIDE TOTAL (UG/L) (34423)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)
AUG 25...	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	1.0	<0.2	<0.2	<0.2	<0.2

611243149500702 - SB01300316CCBC2 006 CITY LANDFILL 2
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	1,1,1-TRICHLOROETHANE TOTAL (UG/L) (34506)	1,1,2-TRICHLOROETHANE TOTAL (UG/L) (34511)	ETHANE, 1,1,2,2 TETRACHLORO-WAT UNF REC (UG/L) (34516)	BENZENE O-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	1,2-DICHLOROPROPANE TOTAL (UG/L) (34541)	1,2-TRANSDICHLOROETHENE TOTAL (UG/L) (34546)	1,3-DICHLOROPROPENE TOTAL (UG/L) (34561)	BENZENE 1,3-DICHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DICHLORO-WATER UNFLTRD REC (UG/L) (34571)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L) (34576)	DICHLORO-DIFLUORO-METHANE TOTAL (UG/L) (34668)	TRANS-1,3-DICHLOROPROPENE TOTAL (UG/L) (34699)
AUG 25...	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20	<0.20	<0.20	<0.2	<0.2	<0.2

611243149500702 - SB01300316CCBC2 006 CITY LANDFILL 2
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	CIS 1,3-DICHLOROPROPENE TOTAL (UG/L) (34704)	1,2-DIBROMOETHYLENE TOTAL (UG/L) (39082)	VINYL CHLORIDE TOTAL (UG/L) (39175)	TRICHLOROETHYLENE TOTAL (UG/L) (39180)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF HOLE, TOTAL (FEET) (72001)	DEPTH TO TOP OF WATER-BEARING ZONE (FT (72002)	DEPTH TO BOTTOM OF WATER-BEARING ZONE (FT) (72003)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN) (72004)
AUG 25...	<0.2	<0.2	0.4	<0.2	162	0.22	<0.10	101	70	66	70	35

611243149500702 - SB01300316CCBC2 006 CITY LANDFILL 2
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SAMPLING SOURCE (72005)	DEPTH OF CONDITION (72006)	WELL, TOTAL (FEET) (72008)	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	STYRENE TOTAL (UG/L) (77128)	SPECIFIC CONDUCTANCE LAB (US CM) (90095)	ALKALINITY LAB (MG/L AS CACO3) (90410)	ALKALINITY CARBONATE IT-FLD (MG/L - CACO3 (99431)	BICARBONATE IT-FLD (MG/L AS HCO3) 99440)	CARBONATE IT-FLD (MG/L AS CO3) (99445)
AUG 25...	1	1.00	70.00	70	70	20.50	<0.2	269	125	131	160	0

611243149500703 - SB01300316CCBC3 006 CITY LANDFILL 3
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	LATITUDE	LONGITUDE	MEDIUM CODE	SAMPLE TYPE	RECORD NUMBER	TEMPERATURE WATER (DEG C) (00010)	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	FLOW RATE, INSTANTANEOUS (G/M) 00059)	SPECIFIC CONDUCTANCE (US/CM) (00095)
AUG 25...	1430	61 12 43 N	149 50 07 W	6	9	98600530	7.5	1028	8001	1.0	6090

611243149500703 - SB01300316CCBC3 006 CITY LANDFILL 3
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SAMPLE TREATMENT (CODES) (00115)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM DISSOLVED (MG/L AS NA) (00930)	SODIUM ADSORPTION RATIO 00931)	SODIUM PERCENT (00932)
AUG 25...	1	6.8	6.8	2600	<0.100	<0.010	1800	420	180	580	6	40

611243149500703 - SB01300316CCBC3 006 CITY LANDFILL 3
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
AUG 25...	60	690	27	<0.10	26	41	<1	<1	8	88000	8300	230

611243149500703 - SB01300316CCBC3 006 CITY LANDFILL 3
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	DICHLOROBROMOMETHANE TOTAL (UG/L) (32101)	CARBONTETRACHLORIDE TOTAL (UG/L) (32102)	1,2-DICHLOROETHANE TOTAL (UG/L) (32103)	BROMOFORM TOTAL (UG/L) (32104)	CHLORODIBROMOMETHANE TOTAL (UG/L) (32105)	CHLOROFORM TOTAL (UG/L) (32106)	TOLUENE TOTAL (UG/L) (34010)
AUG 25...	6300	5900	80	40	7	<0.2	<0.2	1.5	<0.2	<0.2	<0.2	560

611243149500703 - SB01300316CCBC3 006 CITY LANDFILL 3
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	BENZENE TOTAL (UG/L) (34030)	CHLOROBENZENE TOTAL (UG/L) (34301)	CHLOROETHANE TOTAL (UG/L) (34311)	ETHYLBENZENE TOTAL (UG/L) (34371)	METHYLBROMIDE TOTAL (UG/L) (34413)	METHYLCHLORIDE TOTAL (UG/L) (34418)	METHYLENE CHLORIDE TOTAL (UG/L) (34423)	TETRACHLOROETHYLENE TOTAL (UG/L) (34475)	TRICHLOROFLUOROMETHANE TOTAL (UG/L) (34488)	1,1-DICHLOROETHANE TOTAL (UG/L) (34496)	1,1-DICHLOROETHYLENE TOTAL (UG/L) (34501)	1,1,1-TRICHLOROETHANE TOTAL (UG/L) (34506)
AUG 25...	17	<0.20	<6.9	4.3	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2

611243149500703 - SB01300316CCBC3 006 CITY LANDFILL 3
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	1,1,2-TRICHLOROETHANE TOTAL (UG/L) (34511)	ETHANE, 1,1,2,2 TETRACHLORO-WAT UNF REC (UG/L) (34516)	BENZENE O-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	1,2-DICHLOROPROPANE TOTAL (UG/L) (34541)	1,2-TRANSDICHLOROETHENE TOTAL (UG/L) (34546)	1,3-DICHLOROPROPENE TOTAL (UG/L) (34561)	BENZENE 1,3-DICHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DICHLORO-WATER UNFLTRD REC (UG/L) (34571)	2-CHLOROETHYLVINYLETHER TOTAL (UG/L) (34576)	DICHLORODIFLUOROMETHANE TOTAL (UG/L) (34668)	TRANS-1,3-DICHLOROPROPENE TOTAL (UG/L) (34699)
AUG 25...	<0.2	<0.2	<0.20	0.5	6.9	<0.20	<0.20	<0.20	<0.2	<0.2	<0.2

611243149500703 - SB01300316CCBC3 006 CITY LANDFILL 3
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	CIS 1,3-DICHLOROPROPENE TOTAL (UG/L) (34704)	1,2-DIBROMOETHYLENE TOTAL (UG/L) (39082)	VINYL CHLORIDE TOTAL (UG/L) (39175)	TRICHLOROETHYLENE TOTAL (UG/L) (39180)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF HOLE, TOTAL (FEET) (72001)	DEPTH TO BOTTOM OF WATER-BEARING ZONE (FT) (72003)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN) (72004)	SAMPLE SOURCE (72005)
AUG 25...	<0.2	<0.2	46	0.7	3570	4.85	102	19	23	50	1

611243149500703 - SB01300316CCBC3 006 CITY LANDFILL 3
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SAMPLING CONDITION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	DEPTH TO TOP OF SAMPLE INTERVAL (FT) (72015)	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT) (72016)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	STYRENE TOTAL (UG/L) (77128)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	ALKALINITY LAB (MG/L AS CACO3) (90410)	ALKALINITY, CARBONATE IT-FLD (MG/L - CAC03) (99430)	BICARBONATE IT-FLD (MG/L AS HCO3) (99440)	CARBONATE IT-FLD (MG/L AS CO3) (99445)
AUG 25...	1.00	17.00	13	17	8.27	<0.2	5630	2190	2620	3190	0

611243149501401 - SB01300317DDDD1 002 CITY LANDFILL 11
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	LATITUDE	LONGITUDE	MEDIUM CODE	SAMPLE TYPE	RECORD NUMBER	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	FLOW RATE, INSTANTANEOUS (G/M) (00059)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SAMPLE TREATMENT (CODES) (00115)
AUG 27...	1120	61 12 37 N	149 50 13 W	6	9	98600539	1028	80020	0.3	2020	1

611243149501401 - SB01300317DDDD1 002 CITY LANDFILL 11
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00932)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
AUG 27...	7.2	798	<0.100	<0.010	550	110	68	200	4	41	49	220

611243149501401 - SB01300317DDDD1 002 CITY LANDFILL 11
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SULFATE DISSOLVED (MG/L AS SO4) (00945)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
AUG 27...	29	0.20	19	45	1	1	1100	500000	1200	300	13000	2700

611243149501401 - SB01300317DDDD1 002 CITY LANDFILL 11
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	DICHLOROBROMOMETHANE TOTAL (UG/L) (32101)	CARBONTETRACHLORIDE TOTAL (UG/L) (32102)	1,2-DICHLOROETHANE TOTAL (UG/L) (32103)	BROMOFORM TOTAL (UG/L) (32104)	CHLORODIBROMOMETHANE TOTAL (UG/L) (32105)	CHLOROFORM TOTAL (UG/L) (32106)	TOLUENE TOTAL (UG/L) (34010)	BENZENE TOTAL (UG/L) (34030)
AUG 27...	1000	3500	5	<0.2	<0.2	0.4	<0.2	<0.2	<0.2	<0.2	0.3

611243149501401 - SB01300317DDDD1 002 CITY LANDFILL 11
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-ETHANE TOTAL (UG/L) (34311)	ETHYL-BENZENE TOTAL (UG/L) (34371)	METHYL-BROMIDE TOTAL (UG/L) (34413)	METHYL-CHLO-RIDE TOTAL (UG/L) (34418)	METHYL-ENE CHLO-RIDE TOTAL (UG/L) (34423)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)
AUG 27...	<0.20	6.4	<0.2	<0.2	2.7	1.5	<0.2	<0.2	<0.2	<0.2	<0.2

611243149501401 - SB01300317DDDD1 002 CITY LANDFILL 11
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L) (34511)	ETHANE, 1,1,2,2 TETRA-CHLORO-WAT UNF REC (UG/L) (34516)	BENZENE O-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L) (34541)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L) (34546)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34561)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L) (34576)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34699)
AUG 27...	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20	<0.20	<0.20	<0.2	0.6	<0.2

611243149501401 - SB01300317DDDD1 002 CITY LANDFILL 11
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34704)	1,2-DIBROMO ETHYL-ENE TOTAL (UG/L) (39082)	VINYL CHLO-RIDE TOTAL (UG/L) (39175)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF HOLE, TOTAL (FEET) (72001)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	SAMPLE SOURCE (72005)
AUG 27...	<0.2	<0.2	2.9	<0.2	1180	1.61	1.1	129	70	80	33

611243149501401 - SB01300317DDDD1 002 CITY LANDFILL 11
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	DEPTH TO TOP OF SAMPLE INTER-VAL (FT) (72015)	DEPTH TO BOT-TOM OF SAMPLE INTER-VAL (FT) (72016)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	STYRENE TOTAL (UG/L) (77128)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	ALKA-LINITY, CARBON-ATE IT-FLD (MG/L - CAC03) (99430)	BICAR-BONATE IT-FLD (MG/L AS HCO3) (99440)	CAR-BONATE IT-FLD (MG/L AS CO3) (99445)
AUG 27...	1.00	69.50	50	70	39.29	<0.2	2080	748	804	981	0

611243149504801 - SB01300317DCDC1 011 CITY LANDFILL 12
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	LAT-I-TUDE	LONG-I-TUDE	MEDIUM CODE	SAMPLE TYPE	RECORD NUMBER	TEMPER-ATURE WATER (DEG C) (00010)	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	FLOW RATE, INSTAN-TANEOUS (G/M) (00059)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
AUG 27...	1510	61 12 37 N	149 50 47 W	6	9	98600551	7.5	1028	80020	0.5	2500

611243149504801 - SE01300317DCDC1 011 CITY LANDFILL 12
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SAMPLE TREAT-MENT (CODES) (00115)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM PERCENT (00932)
AUG 27...	1	6.2	6.4	1130	<0.100	<0.010	1200	340	80	56	0.7	9

611243149504801 - SE01300317DCDC1 011 CITY LANDFILL 12
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
AUG 27...	6.8	110	9.5	0.20	23	12	<1	2	32	140000	130000

611243149504801 - SE01300317DCDC1 011 CITY LANDFILL 12
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	DI-CHLORO-BROMO-METHANE TOTAL (UG/L) (32101)	CARBON-TETRA-CHLO-RIDE TOTAL (UG/L) (32102)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)	BROMO-FORM TOTAL (UG/L) (32104)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)
AUG 27...	<5	59000	56000	40	70	1	<0.2	<0.2	1.0	<0.2	<0.2

611243149504801 - SE01300317DCDC1 011 CITY LANDFILL 12
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	CHLORO-FORM TOTAL (UG/L) (32106)	TOLUENE TOTAL (UG/L) (34010)	BENZENE TOTAL (UG/L) (34030)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-ETHANE TOTAL (UG/L) (34311)	ETHYL-BENZENE TOTAL (UG/L) (34371)	METHYL-BROMIDE TOTAL (UG/L) (34413)	METHYL-CHLO-RIDE TOTAL (UG/L) (34418)	METHYL-ENE CHLO-RIDE TOTAL (UG/L) (34423)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L) (34488)
AUG 27...	0.6	440	4.7	<0.01	13	3.3	<0.2	1.3	210	0.4	4.5

611243149504801 - SE01300317DCDC1 011 CITY LANDFILL 12
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L) (34511)	ETHANE, 1,1,2,2 TETRA-CHLORO-WAT UNF REC (UG/L) (34516)	BENZENE O-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L) (34541)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L) (34546)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34561)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)
AUG 27...	140	<0.2	26	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20	<0.20	<0.20

611243149504801 - SB01300317DCDC1 011 CITY LANDFILL 12
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L) (34576)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34699)	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34704)	1,2-DIBROMO ETHYL-ENE TOTAL (UG/L) (39082)	VINYL CHLO-RIDE TOTAL (UG/L) (39175)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)
AUG											
27...	<0.2	90	<0.2	<0.2	<0.2	3.9	8.0	1490	2.03	0.20	122

611243149504801 - SB01300317DCDC1 011 CITY LANDFILL 12
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	DEPTH OF HOLE, TOTAL (FEET) (72001)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	DEPTH TO TOP OF SAMPLE INTER-VAL (FT) (72015)	DEPTH TO BOT-TOM OF SAMPLE INTER-VAL (FT) (72016)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	STYRENE TOTAL (UG/L) (77128)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)
AUG											
27...	50	35	1	1.00	49.30	29	49	29.76	<0.2	2330	877

611254149501301 - SB01300317DACAL 012
WATER-QUALITY DATA, WATER YEAR OCTOBER 1968 TO SEPTEMBER 1969

DATE	LAT-I-TUDE	LONG-I-TUDE	MEDIUM CODE	SAMPLE TYPE	RECORD NUMBER	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)
MAY											
07...	61 12 54 N	149 50 13 W	6	9	96900583	1.5	10	216	8.3	1.1	113

611254149501301 - SB01300317DACAL 012
WATER-QUALITY DATA, WATER YEAR OCTOBER 1968 TO SEPTEMBER 1969

DATE	BICAR-BONATE WATER WH FET FIELD MG/L AS HCO3 (00440)	CAR-BONATE WATER WH FET FIELD MG/L AS CO3 (00445)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB WH WAT TOT FLD MG/L AS CACO3 (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)
MAY											
07...	140	0	0.110	98	0	25	8.6	8.0	0.4	15	1.0

611254149501301 - SB01300317DACAL 012
WATER-QUALITY DATA, WATER YEAR OCTOBER 1968 TO SEPTEMBER 1969

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRATE DIS-SOLVED MG/L AS NO3) (71851)	IRON (UG/L AS FE) (71885)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF HOLE, TOTAL (FEET) (72001)	DEPTH OF WELL, TOTAL (FEET) (72008)
MAY											
07...	0.0	6.5	0.20	13	131	0.18	0.50	900	129	305	305.00

611255149495801 - SB01300316CBDB1 005
WATER-QUALITY DATA, WATER YEAR OCTOBER 1967 TO SEPTEMBER 1968

DATE	LAT-I-TUDE	LONG-I-TUDE	MEDIUM CODE	SAMPLE TYPE	RECORD NUMBER	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)	BICAR-BONATE WATER WH FET FIELD MG/L AS HCO3 (00440)
AUG 17...	61 12 55 N	149 49 58 W	6	9	96800736	10	293	7.8	4.5	144	180

611255149495801 - SB01300316CBDB1 005
WATER-QUALITY DATA, WATER YEAR OCTOBER 1967 TO SEPTEMBER 1968

DATE	CAR-BONATE WATER WH FET FIELD MG/L AS CO3 (00445)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB WH WAT TOT FLD MG/L AS CACO3 (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG 17...	0	0.050	120	0	30	12	16	0.6	22	2.2	5.8

611255149495801 - SB01300316CBDB1 005
WATER-QUALITY DATA, WATER YEAR OCTOBER 1967 TO SEPTEMBER 1968

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3) (71851)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF HOLE, TOTAL (FEET) (72001)	DEPTH OF WELL, TOTAL (FEET) (72008)	DEPTH TO TOP OF SAMPLE INTER-VAL (FT) (72015)	DEPTH TO BOT-TOM OF SAMPLE INTER-VAL (FT) (72016)
AUG 17...	10	0.20	10	173	0.24	0.20	132	170	170.00	170	170

611306149495701 - SB01300316BCCD1 004
WATER-QUALITY DATA, WATER YEAR OCTOBER 1956 TO SEPTEMBER 1957

DATE	LAT-I-TUDE	LONG-I-TUDE	MEDIUM CODE	SAMPLE TYPE	RECORD NUMBER	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
APR 11...	61 13 06 N	149 49 57 W	6	9	95700209	222

611306149495701 - SB01300316BCCD1 004
WATER-QUALITY DATA, WATER YEAR OCTOBER 1956 TO SEPTEMBER 1957

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	DEPTH OF HOLE, TOTAL (FEET) (72001)	DEPTH OF WELL, TOTAL (FEET) (72008)	DEPTH TO TOP OF SAMPLE INTER-VAL (FT) (72015)	DEPTH TO BOT-TOM OF SAMPLE INTER-VAL (FT) (72016)
APR 11...	8.9	136	192	192.00	192	192