UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DATA COLLECTED BY THE U.S. GEOLOGICAL SURVEY DURING A STUDY OF URBAN RUNOFF IN BELLEVUE, WASHINGTON, 1979-82

By J. C. Ebbert, J. E. Poole, and K. L. Payne

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CONTENTS

ILLUSTRATIONS
(plates are in pocket)

TABLES

TABLES--Continued

METRIC (SI) CONVERSION FACTORS

Multiply	By	To obtain
inches (in.)	25.4	millimeters (mm)
	2.540	centimeters (cm)
	0.0254	meters (m)
feet (ft)	0.3048	meters (m)
miles (mi)	1.609	kilometers (km)
square miles (mi^2)	2.590	square kilometers (km^2)
acres	4047.	square meters (m^2)
acre-feet (acre-ft)	1233.	cubic meters (m^3)
	0.001233	cubic hectometers (hm^3)
gallons	0.001233	cubic hectometers (hm^3)
cubic feet per second (ft^3/s)	0.02832	cubic meters per second (m^3/s)
	28.32	liters per second (L/s)
degrees Celsius (°C)	1.8 then add 32	degrees Fahrenheit (°F)

National Geodetic Vertical Datum of 1929 (NGVD of 1929): A geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called "mean sea level." NGVD of 1929 is referred to as sea level in this report.

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ABSTRACT

To assess the quality of urban storm-water runoff and to evaluate the effectiveness of street sweeping and detention storage for the attenuation of constituent loads and concentrations in storm runoff, data were collected from October 1979 through January 1982 from three catchments in Bellevue, Wash. The two catchments used to evaluate the effects of street sweeping on runoff quality are both single-family residential areas of approximately 100 acres. The third catchment, used to evaluate detention storage, has a total area of 24 acres. A four-lane arterial street takes up about one-fourth of this area.

During the study, precipitation on and the resultant discharge from the three catchments were monitored and recorded at 5-minute intervals. Approximately 900 discrete storm-runoff samples were collected from the two residential catchments during 37 individual storms, and about 400 discrete storm-runoff samples were collected from the third catchment during 23 individual storms. Wet- and dry-atmospheric-deposition samples were collected for chemical analysis from each catchment. The contents of the atmospheric-deposition samplers were removed on a monthly schedule; however, the schedule was usually modified to provide data on the quality of rainfall during a storm that was sampled for runoff quality, and on the quality of dry deposition before these storms. Detailed basin characteristics data, including physical characteristics and environmental factors, were compiled and tabulated. The water-quality data, in conjunction with discharge and precipitation data, were used to calculate constituent loads in storm runoff and in wet- and dry-atmospheric deposition. Rainfall and discharge data were used to calculate hydrologic and climatic variables including rainfall rates, peak discharges, and antecedent conditions.

INTRODUCTION

From October 1979 through January 1982 the U.S. Geological Survey conducted a study of urban storm-water runoff in Bellevue, Wash. The study, done in cooperation with the City of Bellevue, was part of the U.S. Environmental Protection Agency's National Urban Runoff Program. The objectives of the study were to:

1. Establish a consistent and accessible data base for typical urban watersheds;

2. Determine the magnitude and frequency of storm-runoff loads of water-quality constituents from three catchments in the city;

3. Develop methods for estimating storm and annual loads of water-quality constituents from unsampled catchments in the study area; and

4. Test the effectiveness of storm-water-quality management alternatives, such as street sweeping and detention storage, for the attenuation of constituent loads carried in storm runoff.

To accomplish these objectives, data were collected from three urban catchments in the city of Bellevue. Two of the catchments were used to evaluate the effectiveness of street sweeping in reducing the amount of constituents in storm-water runoff, and the third catchment was used to investigate the effects of runoff detention on the quality of storm runoff.

Data collection in the three catchments included the continuous monitoring of precipitation and resultant discharge; the collection of discrete storm-runoff-quality samples during selected storms; the collection of wet- and dry-atmospheric-deposition samples for chemical analysis; and the collection of basin-characteristics data to include physical characteristics and environmental factors. The data-collection sites and the types of data collected at each site are listed in table 1 and shown on figure 1.

This report presents the basic data collected during the Bellevue urban-runoff project and information derived from the basic data, such as maximum rainfall intensities, peak discharges, and constituent loads in storm runoff.

TABLE 1.--Data-collection sites with site identification numbers, locations, and types of data collected

Catchment and site names	USGS site identification number[1]	Location		Types of data collected			
		Latitude	Longitude	Storm discharge	Storm-water quality	Rainfall amount	Wet- and dry-atmospheric deposition quality
Surrey Downs Catchment							
Surrey Downs storm sewer outfall at Bellevue, Washington	12120005	47°36'02"	122°11'30"	X	X	X	
Surrey Downs wet- and dry-atmospheric deposition collector at Bellevue, Washington	473602122113002	47°36'02"	122°11'30"				X
Surrey Downs Elementary School at Bellevue, Washington	473617122112701	47°36'17"	122°11'27"			X	
Bellevue Senior High School at Bellevue, Washington	473614122114901	47°36'14"	122°11'49"			X	
Lake Hills Catchment							
Lake Hills storm sewer outfall at Bellevue, Washington	12119725	47°36'23"	122°08'12"	X	X	X	
St. Louise Parish at Bellevue, Washington	473632122075700	47°36'32"	122°07'57"			X	X
148th Avenue S.E. Catchment							
148th Avenue S.E. storm sewer below Lake Hills Boulevard at Bellevue, Washington	12119730	47°36'01"	122°08'30"	X	X	X	
Robinswood School at Bellevue, Washington	473532122082400	47°35'32"	122°08'24"			X	X
148th Avenue S.E. detention basin No. 3 outlet at Bellevue, Washington	473542122083001	47°35'42"	122°08'30"		X		
148th Avenue S.E. detention basin No. 5 outlet at Bellevue, Washington	473544122083001	47°35'44"	122°08'30"	X	X		

[1] 8-digit downstream order numbers were used for sites where samples were collected to determine the quality of storm runoff from a catchment. Other site identification numbers are a latitude-longitude coordinate plus a 2-digit sequence number.

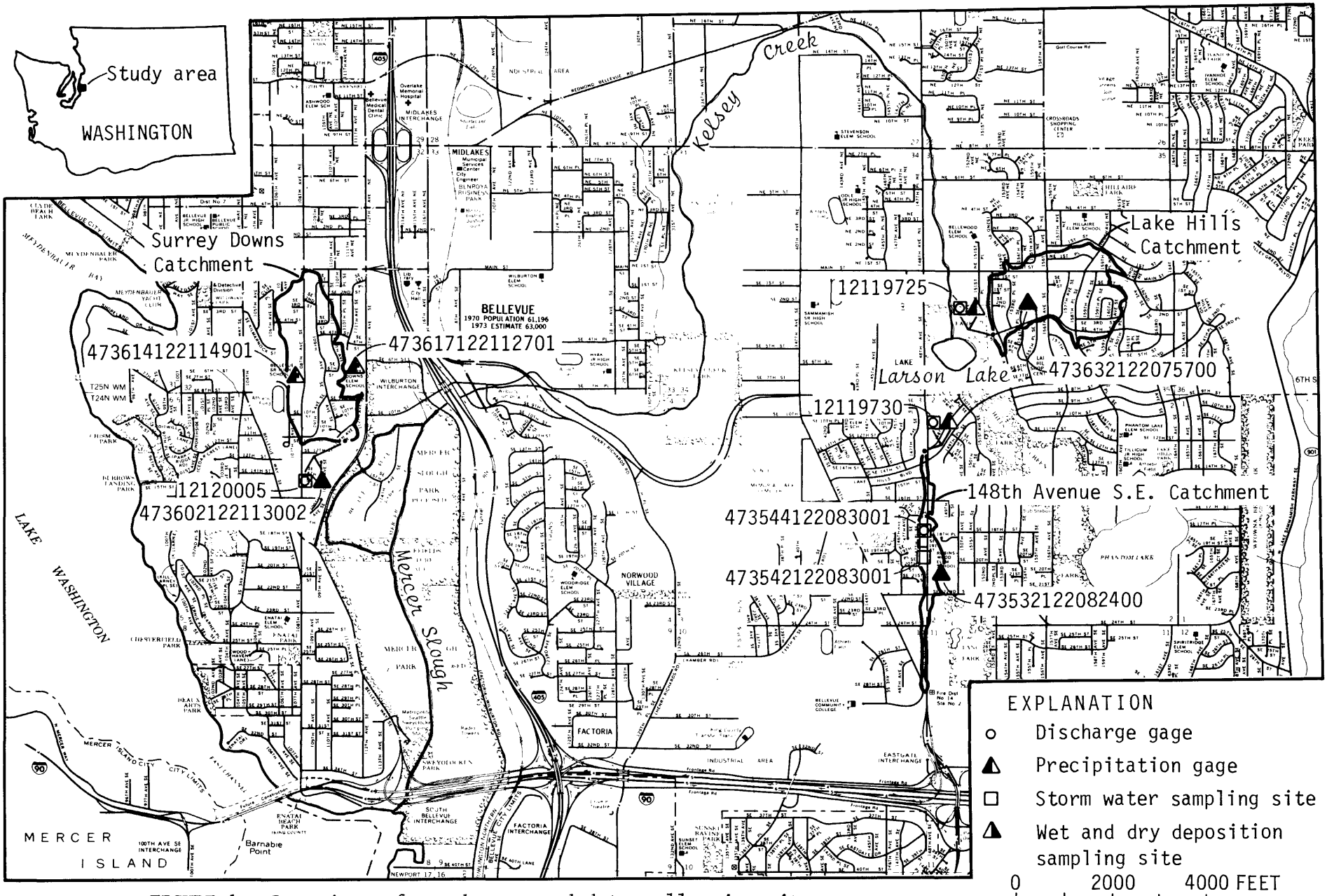


FIGURE 1.--Locations of catchments and data-collection sites. Site identification numbers are shown for data-collection sites.

DESCRIPTION OF THE STUDY AREA

Bellevue, Wash., a city with a population of about 74,000 in 1980, is located in the Puget Sound lowlands, on the west side of the Cascade Range. The city of Seattle is located about 4 miles west of Bellevue on the opposite side of Lake Washington. The mean annual precipitation is about 35 inches, which occurs mainly as rainfall during the months of October through May. Most of the rainfall results from frontal storm systems formed over the Pacific Ocean. During the autumn and winter months, rainfall of low to moderate intensity is a frequent occurrence.

Three catchments in the city, Surrey Downs, Lake Hills, and 148th Avenue S.E., were studied (fig. 1 and pls. 1-3). Surrey Downs and Lake Hills are single-family residential areas of similar size, and were used to investigate the effectiveness of street sweeping for reducing constituent loads and concentrations in storm runoff. The third catchment, 148th Avenue S.E., contains a divided four-lane arterial street and adjacent areas, including sidewalks, parking lots, commercial buildings, apartments, and parks. The data from this site were used to investigate the effects of detention storage on the quality of storm runoff. Storm runoff from the three catchments drains to Kelsey Creek or its extension, Mercer Slough, which flows into Lake Washington.

DESCRIPTION OF CATCHMENTS

Physical Characteristics

Selected physical characteristics of the catchments are presented on plates 1-3 and in table 2. On each plate is a detailed map of a catchment showing data-collection sites, streets, buildings, land-surface elevations, the storm-drainage system, and soil types. Also included on each plate are tables giving details of the storm-drainage system, a description of soil types, and percentages of pervious and impervious areas within the catchment. Additional physiographic and land-use characteristics not included on plates 1-3 are found in table 2. Areas within the catchments were classified as either pervious--lawns, gardens, and areas of natural vegetal cover—or impervious—all roofs, driveways, streets, parking lots, and other paved areas. The impervious classification was further divided into (1) "effective impervious" that drain to other impervious areas or directly to the storm-drainage system; (2) "ineffective impervious" that drain onto the surface of pervious areas, such as roof-gutter downspouts that discharge onto lawns; and (3) "impervious areas draining to dry wells," roofs whose drainage systems discharge to dry wells and are assumed to contribute no surface runoff.

TABLE 2.--Physiographic and land-use characteristics of the catchments

Variable Name	Catchment		
	Surrey Downs	Lake Hills	148th Avenue
Site identification number	12120005	12119725	12119730
Total drainage area, in square miles, excluding non-contributing areas	0.140	0.149	0.0375
Impervious area, in percentage of drainage area	31.0	36.1	56.5
Effective impervious area, in percentage of drainage area, including only impervious surfaces connected directly to a sewer pipe or principal conveyance*	22.1	28.0	40.8
Average basin slope, in feet per mile, determined from an average of terrain slopes at 50 or more equispaced points on plates 1 through 3	570	320	92
Main conveyance slope, in feet per mile, measured at points 10 and 85 percent of the distance from the gaging station to the divide	132	149	104
Permeability of the A horizon of the soil profile, in inches per hour (Snyder and others, 1973)	1.0	.12	.11
Available water capacity as an average of the A, B, and C soil horizons, in inches of water per inch of soil (Snyder and others, 1973)	.1	.1	.1
Soil-water pH of the "A" horizon (in H_2O) (Synder and others, 1973)	5.6	5.6	5.6
Hydrologic soil group (A, B, C, or D) according to SCS methodology using numeric codes, A=1, B=2, etc. (Snyder and others, 1973)	1	1	1
Population density in persons/mi^2	5870	7950	4470
Street density, in lane miles per square mile using approximately 12 ft lanes	45.2	51.3	80.8
Land use of the basins as a percentage of drainage area including:			
a. Rural and pasture	.0	.0	.0
b. Agricultural	.0	.0	.0
c. Low density residential (½ to 2 acres/dwelling	2.2	.0	.0
d. Medium density residential (3 to 8 dwellings/acre)	86.4	89.8	1.7
e. High density residential (9 or more dwellings/acre)	2.1	.0	14.5
f. Commercial	5.7	6.8	23.4
g. Industrial	.0	.0	.0
h. Under construction (bare surface)	.2	.0	2.0
i. Idle or vacant land	1.4	.0	.0
j. Wetland	.0	.0	.0
k. Parkland	2.0	3.4	58.4
Detention storage, in acre-feet of storage	.0	.0	**.048
Percent of watershed upstream from detention storage	--	--	71.6
Percent of area drained by a storm sewer system	100.0	100.0	100.0
Percent of streets with curb and gutter drainage	76.5	100.0	100.0
Percent of streets with ditch and swale drainage	23.5	.0	.0
Mean annual rainfall in inches (NOAA, 1971-81 Seattle State EMSU station)	37	37	37
Ten year 1-hour rainfall, intensity in inches per hour (long term) (Phillips, 1968)	.52	.52	.52

* From optimization of rainfall-runoff model to be discussed in future report.
** Detention basin No. 5 and associated pipes as used in this study.

Surrey Downs

The Surrey Downs catchment (pl. 1) is predominately a single-family residential area that was developed in the late 1950's. Also located within the catchment are the Bellevue Senior High School and a few apartments and duplexes in the northeast part. The total area is 95.1 acres, and altitudes range from 40 to 176 feet. Slopes in the basin are generally moderate east of 109th Avenue S.E., but relatively steep on the west side. The surficial geology is typified by relatively shallow, sandy soil that overlies glacial till with hardpan.

Surrey Downs is isolated from neighboring areas by the general lack of easy vehicular access and convenient "shortcuts" through the neighborhood. Thus, most automobile traffic in this area is locally generated. The speed limit on the streets in Surrey Downs is 25 miles per hour, and the quiet residential atmosphere and curving streets are conducive to maintaining low vehicle speeds.

The structural drainage system, streets, curbs and gutters, storm inlets, catchbasins, and culverts are in good condition. All streets have curbs or gutters, except two near the west boundary, 108th Avenue S.E. and Westwood Homes Road. The storm-drainage system is not subject to surcharging during normal storm events. The outfall from the storm-drainage system discharges to an artificial pond, which in turn discharges through Mercer Slough to Lake Washington.

Lake Hills

The Lake Hills catchment (pl. 2) is primarily a single-family residential area which, like Surrey Downs, was developed in the late 1950's. The St. Louis Parish Church and School are also located within the catchment. The total area of the catchment is 101.7 acres, slopes are generally moderate, and altitudes range from 260 to 406 feet. Although the residential areas within the catchment are basically isolated, two through streets, Main Street and 156th Avenue S.E., carry more traffic than a typical residential street.

The drainage system is similar to that in Surrey Downs, except that all streets have curbs and fewer have gutters. The outfall for the catchment's storm-sewer system flows into an open channel about 0.15 mile long that joins Kelsey Creek just downstream from Larson Lake. Kelsey Creek discharges through Mercer Slough into Lake Washington.

148th Avenue S.E.

The 148th Avenue S.E. catchment (pl. 3) was used to investigate the effect of detention basins on the quality of urban storm-water runoff. The catchment contains 4,960 feet of 148th Avenue, a divided four-lane arterial, and some adjacent land with sidewalks, apartments, parking lots, office buildings, part of Robinswood Elementary School, and a small, unnamed park with five grassy swales that can be used as detention basins. Altitudes in the catchment range from 336 to 429 feet, and the street surface slope ranges from 0.5 to 4.68 percent. The total area of the catchment is 24.0 acres, and slightly more than one-fourth of the catchment area is taken up by the 148th Avenue S.E. street surface. On September 1, 1981, storm runoff from 37.5 acres of Robinswood Park (pl. 3) was routed into the 148th Avenue S.E. storm-drainage system.

The main trunkline of the storm-sewer system is parallel to the avenue and is fed by short laterals that connect to catch basins in 148th Avenue S.E., and in adjacent areas (pl. 3). A unique feature of the storm sewer is a system of weirs and valves at five control points that permit the storm water to be detained in the five grassy swales. Additional details describing the configuration and operation of the detention system are given in the section on management alternatives for controlling the quality of storm runoff. Outflow from the catchment discharges into Larson Lake, and eventually into Lake Washington via Kelsey Creek.

Environmental Variables

A number of environmental factors can affect the quality of storm runoff, including operational practices such as the frequency of catch-basin cleaning and other variable factors such as street surface condition. Table 3 lists selected environmental factors for each of the study catchments.

During the study, other miscellaneous events potentially affected storm-runoff quality, including ashfall from the eruption of Mount St. Helens, construction, and street sanding. These events are listed in table 4.

TABLE 3.--Environmental factors with potential influence on storm-runoff quality

Factor	Catchment		
	Surrey Downs	Lake Hills	148th Avenue
Average frequency of street sweeping, in days	See table 5	See table 5	32
Average storm-sewer flushing frequency, in days	Not flushed during study	Not flushed during study	Not flushed during study
Average catch basin cleaning frequency, in days	Not cleaned during study	Not cleaned during study	Not cleaned during study
Estimated averge daily vehicle traffic, in vehicle miles per day	3,660	6,490	20,700
Method and type of equipment for street cleaning	Mobile 4-wheel mechanical sweeper	Mobile 4-wheel mechanical sweeper	Mobile 4-wheel mechanical sweeper
Refuse collection practice	Weekly pickup	Weekly pickup	Weekly pickup
Solid waste disposal areas in watershed	None	None	None
Flood retarding features	None	None	Detention storage
Leaf disposal practice in catchment, in percent[1]			
a. put in garbage	55	72	Unknown
b. compost or mulch	40	27	Unknown
c. dump on vacant property	5	1	Unknown
Major sediment sources	Land erosion, street abrasion	Land erosion, street abrasion	Street abrasion, street sanding in winter
Street pavement type and condition	Asphalt, good	Asphalt, good with some weeds in joints between street and curb	Asphalt, good
De-icing chemicals	Salt mixed with sand, seldom used	Salt mixed with sand, seldom used	Salt mixed with sand

[1]Data from the city of Bellevue.

TABLE 4.--Miscellaneous events which may have affected storm-runoff quality

	Surrey Downs
Feb. 25, 1980 and Jan. 17, 1981	Residential landscaping work was done. Beauty bark and soil were piled on the street before being distributed onto yards and gardens.
Oct. 14-16, 1981	Due to a power outage a sanitary sewage pumping station adjacent to sampling shelter was inoperable. This resulted in raw sewage being diverted into the storm drainage system.
Dec. 14-21, 1981	A small section of road surface was torn up to repair a natural gas line
	Lake Hills
	No unusual events were noted
	148th Avenue
Feb. 11-13, 1981 and Dec. 30, 1981 to Jan. 4, 1982	148th Avenue was sanded due to snowfall in the area.
Sept. 1, 1981	37.5 acres of Robinswood Park was added to the catchment.
	All Catchments
During the summer of 1980, ash from the eruption of Mount St. Helens fell in trace amounts on the Puget Sound area. The heaviest ashfall occurred on August 7-8, 1980.	

MANAGEMENT ALTERNATIVES USED TO INVESTIGATE THE CONTROL OF STORM-RUNOFF QUALITY

Streets in Lake Hills and Surrey Downs, the two catchments used to investigate the effects of street sweeping on storm-runoff quality, were swept alternately, beginning in March 1980. The street-sweeping schedule, given in table 5, was such that one catchment was swept approximately three times per week for a 5-month period while the other catchment, acting as a control, remained unswept. Rotation of the control and experimental catchments occurred after a 2-month period in which neither catchment was swept. All streets in the Lake Hills catchment were swept. In the Surrey Downs catchment all streets were swept except Westwood Homes Road, 108th Avenue S.E., and streets west of 108th Avenue S.E. (pl. 1).

The detention storage incorporated into the storm-drainage system in the 148th Avenue S.E. catchment was used to study the effects of detention on the quality of storm runoff. The detention basins consist of five swales that were contoured into the small park adjacent to 148th Avenue S.E. (pl. 3). The park, about 1,000 feet long and 100 feet wide, consists mostly of grass and a few trees, and the swales are entirely grass-lined. The 27-inch trunkline of the 148th Avenue storm-drainage system runs under the park. Located along the trunkline are five control structures used to regulate flow and storage by means of weirs and valves. Parallel to the trunkline is an 8-inch line connecting the control structures and the detention basins in series. Two valves at each control structure that bypass water through 6-inch pipes under the weirs allow runoff from low-intensity storms to pass through the system with little detention and permit the detention basins to drain. When flow exceeds the capacity of the bypass pipes in a control structure, water backs up the 8-inch line into the detention basin above the control structure. The detention basin fills until the water-surface elevation exceeds the elevation of the top of the weir, at which time water spills over the weir.

During most of the study, the configuration of the detention system as described was simplified to detain water in basin No. 5 only (pl. 3) or to permit water to pass through the system undetained. Table 6 describes the configuration of the detention system at various times during the study.

While storm runoff was detained in basin No. 5, the height of the weir in control structure No. 5 was increased 6.2 inches above the original height, the bypass valves were closed, and a 2-inch-square orifice was cut into the bottom of the weir (fig. 2), permitting the slow release of water stored in the detention basin. A recorder installed behind the weir measured stage. With these modifications, water could be stored during much smaller storms than in the original configuration.

TABLE 5.--Days when streets were swept in the Surrey Downs and Lake Hills catchments; prior to March 1980 streets in both catchments were swept about twice per month. (S denotes Surrey Downs was swept; L denotes Lake Hills was swept)

	1980										1981											1982	
Day	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	O	J	F
1								L								L	L							
2		S		S	S							L	L	L	L					S	S			
3								L		L				L										
4				S								L	L		L							S		
5	S		S						L		L					L				S	S			
6				S				L					L	L	L									
7	S	S	S		S						L											S		
8								L		L					L					S				
9			S	S	S						L	L	L	L		L								
10	S							L	L	L				L										
11		S		S	S								L			L						S		
12	S		S						L	L	L				L	L				S				
13				S				L				L	L	L	L									
14	S		S						L											S		S		
15							L			L				L	L	L							S	
16		S		S									L							S	S	S		
17							L	L	L					L		L								
18		S		S								L	L		L									
19			S				L		L		L										S			
20				S								L	L							S	S			
21	S	S	S								L			L	L					S		S		
22							L	L		L					L									
23		S	S	S							L	L		L		L		S	S		S		
24	S						L	L	L	L			L	L		L					S			
25		S		S									L					S			S			
26			S				L		L		L					L								
27				S				L				L	L	L										
28	S		S								L											S		
29							L	L				-		L		L		S	S					
30		S	S	S							L	-	L					S	S	S				
31		-		-			-		-	L		-		-		-			-		-			

TABLE 6.--Configuration of the 148th Avenue S.E. stormwater detention system during the study

Prior to May 9, 1980	Weirs at all 5 control structures were in place, and the bypass valves at control structures 2-5 were open. The bypass valves at control structures no. 1 were closed. In this mode some detention of unknown volume occurred.
May 9, 1980, to July 8, 1980	The bypass valves at all control structures were open, and all weirs were in place. Some detention of unknown volume occurred during larger storms.
July 8, 1980, to March 5, 1981	All weirs were removed and no runoff was detained.
March 5, 1981, to April 8, 1981	At control structure No. 5 the valves were closed and weirs of different heights and with different size orifices were tested. There was no detention in any of the other basins.
April 8, 1981, to February 1, 1982	Flow was detained in basin No. 5. At control structure No. 5 the valves were closed and the weir was in place but had a 2-inch square orifice at the bottom. There was no detention in any of the other basins.

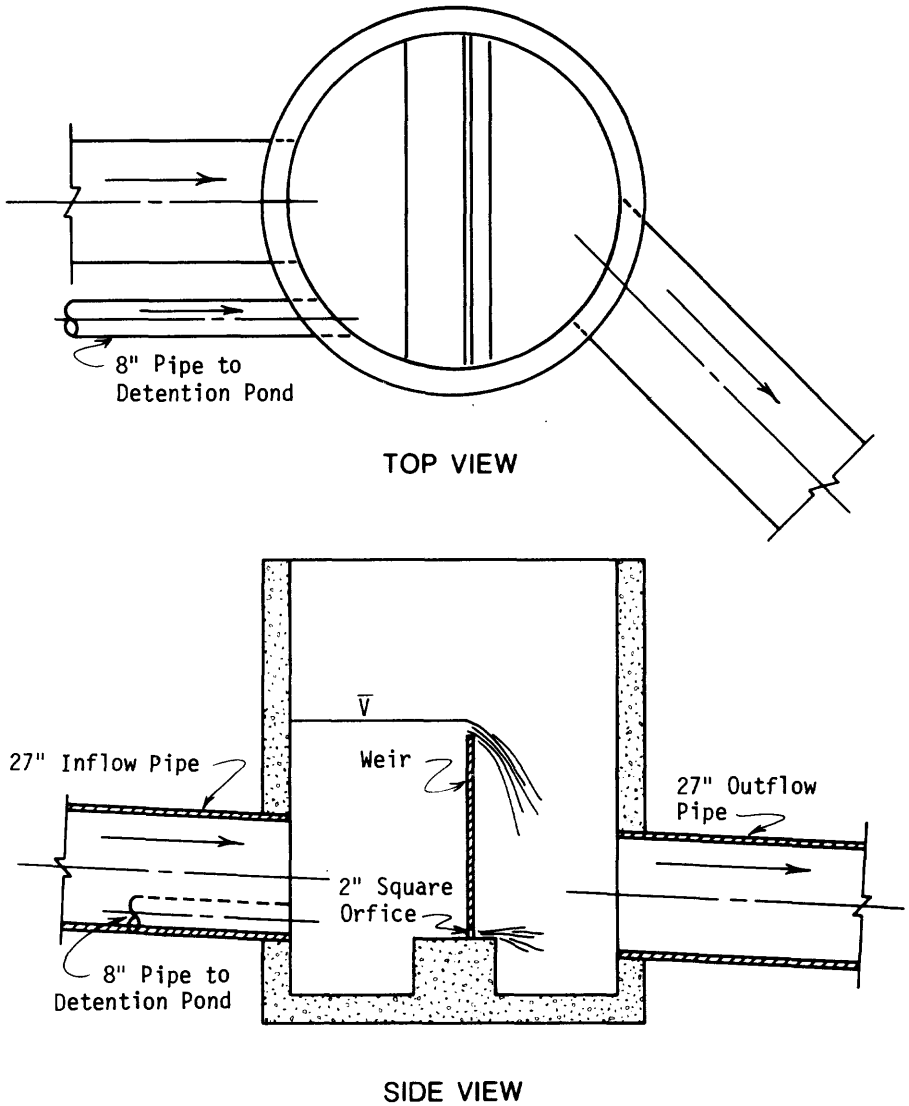


FIGURE 2.--Storm-water detention control structure No. 5 in the 148th Avenue S.E. catchment (shown in the configuration used in this study after April 8, 1981).

DATA COLLECTION

Instrumentation

A walk-in instrument shelter located near the mouth of each catchment housed a data-recording system and a sample-control-and-collection system (fig. 1 and pls. 1-3). The sample-control-and-collection system, developed by the U.S. Geological Survey, is described by Smoot, Davidian, and Billings (1974). The recording system produced a standard paper-tape digital record of clock time, a code that indicated if a storm-runoff sample had been taken, accumulated precipitation for each rain gage within the catchment, and one or two stage records for computing discharge. Data were recorded at 5-minute intervals whenever discharge exceeded a preset threshold or whenever there was measurable precipitation. In addition to the walk-in instrument shelter, a small hutch containing a recorder to measure the stage in 148th Avenue S.E. detention basin No. 5, was located near the basin outlet.

Two or three tipping-bucket rain gages were located in each catchment (fig. 1 and pls. 1-3). These were connected directly or by telephone line to the data-recording system. One wet- and dry-atmospheric-deposition collector was located in each catchment. Details pertaining to all instrumentation are discussed in subsequent sections.

Discharge

Water discharge from the Surrey Downs and Lake Hills catchments was determined by monitoring stage to the nearest 0.01 foot behind V-notch weirs. The stage-discharge relationship was determined by discharge measurements using standard current-meter techniques. Water discharge from the 148th Avenue S.E. catchment was determined by monitoring pressures in and above a constriction that was placed in the storm sewerline. The pressures were converted to stage to the nearest 0.005 foot by pressure transducers. The stage-discharge relationship was developed using the salt-dilution method to determine discharge.

Water discharge from detention basin No. 5 in the 148th Avenue S.E. catchment was determined by monitoring stage to the nearest 0.01 foot behind the weir at control structure No. 5. The form of the stage-discharge relationship (fig. 3) was determined by formulas for an orifice and a sharp-crested weir. The coefficients in the formulas were determined by discharge measurements using standard current-meter techniques. The inflow to detention basin No. 5 was calculated as the outflow from the basin plus the change in storage in the basin.

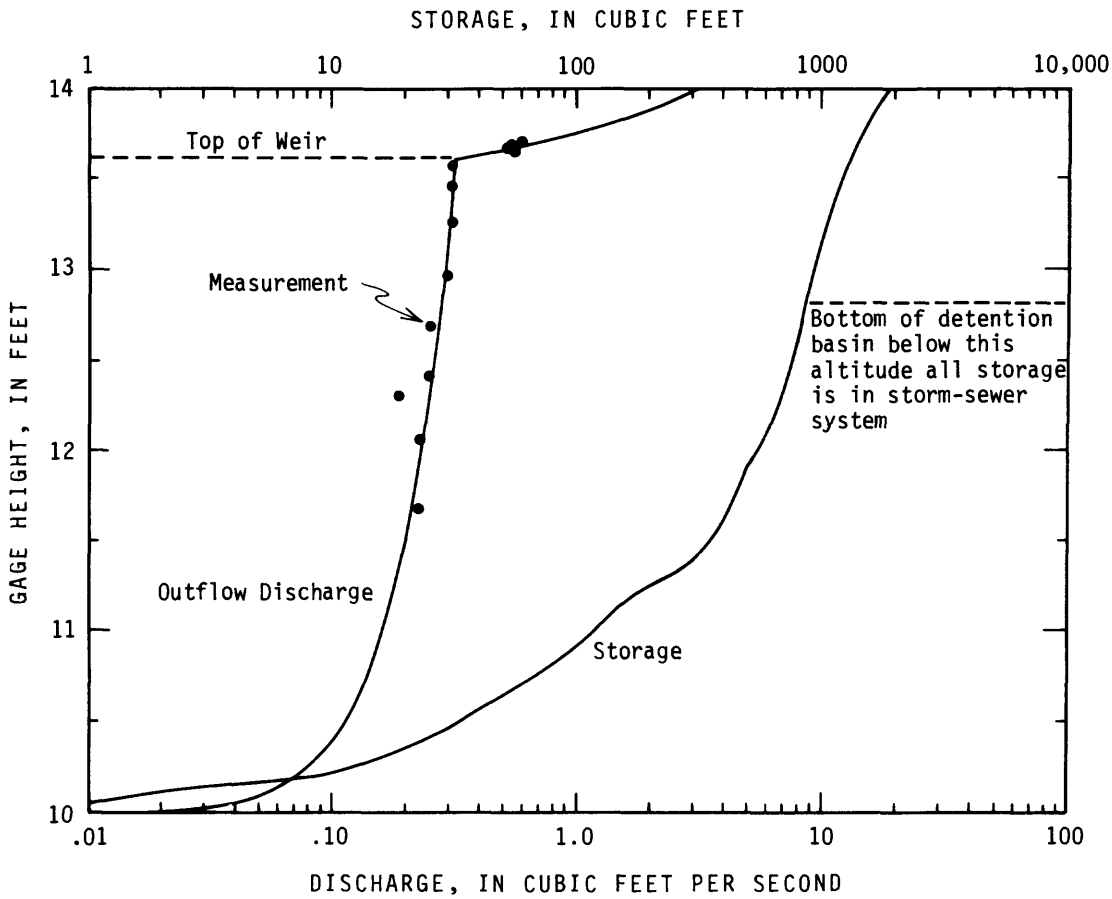


FIGURE 3.--Outflow discharge rating and storage rating for detention basin No. 5 in the 148th Avenue S.E. catchment.

The discharge records for the Surrey Downs and Lake Hills catchments have a good degree of accuracy, about 95 percent of the discharges are within 10 percent. A problem in determining water discharge from the Lake Hills catchment occurred during periods of long-term rainfall when the level of Larson Lake occasionally increased to cause backwater at the Lake Hills gage. With the exception of a storm sampled for runoff quality on December 1-2, 1979, discharge was not computed for the Lake Hills gage during periods with backwater.

The 148th Avenue S.E. catchment-discharge record is good from 0.1 to 0.8 ft^3/s and above 1.6 ft^3/s; it is poor (accuracy less than 15 percent) between 0 and 0.1 ft^3/s and between 0.8 and 1.6 ft^3/s. The discharge records for the inflow and outflow of detention basin No. 5 are good.

Daily discharges for all catchments and the 148th Avenue S.E. detention basin were tabulated for the entire study period (table 17). For most storm events occurring during the study period unit 5-minute data were stored in WATSTORE (a U.S. Geological Survey data storage and retrieval system) and in the urban hydrology data base (see page 21 for more details on these data bases).

Precipitation

Rainfall data, recorded at 5-minute intervals, were collected using tipping-bucket rain gages with resolutions of 0.01 inch. Three rain gages were located in the Surrey Downs catchment and two each in the Lake Hills and 148th Avenue S.E. catchments (see fig. 1 and pls. 1-3).

Daily precipitation data from one gage site in each catchment for the entire study period appear in table 18. Gages nearest to the catchment outlets were chosen because they had the least amount of missing data. If one of these gages malfunctioned, then the precipitation was estimated by using another gage in that catchment. For most periods of snowfall, daily precipitation as an equivalent amount of rainfall was estimated using National Oceanic and Atmospheric Administration (NOAA) data from the Seattle State EMSU station. Periods of snowfall are indicated in table 18.

The 5-minute rainfall data from all rain gages for most storms occurring during the study are stored in WATSTORE and in the urban hydrology data base. These data were used to calculate rainfall characteristics, such as peak rainfall rates and total rainfall, for individual storms. To calculate rainfall characteristics for a catchment, data from the different gages in the catchment were averaged using the Thiessen method (Linsley, Kohler, and Paulhus, 1975).

Storm-Runoff Quality

Discrete storm-runoff samples were collected near the mouth of each catchment and at the inflow and outflow of detention basin No. 5 in the 148th Avenue S.E. catchment (fig. 1). The outflow at control structure No. 3 was sampled to determine the chemical quality of the inflow to detention basin No. 5 because the water level of the outflow of control structure No. 3 was always above that of detention basin No. 5. Although there is some inflow to the main trunkline between control structures 3 and 5 (pl. 3), samples collected at the outflow of control structure No. 3 were considered to be representative of the inflow to detention basin No. 5.

Most of the storm-runoff samples were analyzed for a core list of characteristics and constituents (table 7) specified by the Advisory Technical Planning Committee for the U.S. Geological Survey and the U.S. Environmental Protection Agency. Some of the samples were analyzed for major anions and cations, trace elements, ultimate carbonaceous biochemical oxygen demand, insecticides, herbicides, oil and grease, particle size, and total volatile residue (loss on ignition) (tables 20-28). Some temperature measurements were made of the storm runoff (table 29).

Automatic samplers were used to collect runoff samples at the outlets of the catchments. Samples collected above and below detention basin No. 5 in the 148th Avenue S.E. catchment were collected manually using a depth-integrating sampler equipped with a silicone rubber gasket and a teflon nozzle. During sampling periods, the automatic sampler pumped water continuously from an intake in the storm sewer to a rotating distributor that sequentially filled 24 two-liter polyethylene bottles stored in a refrigeration chest. An individual bottle was filled in approximately 10 seconds, and after filling, the distributor rotated to a position that allowed water to drain back into the storm sewer. Samples were collected at preset intervals (5 to 50 minutes) and stored in the refrigeration chests at $3^{\circ}C$ until they were removed for processing.

In addition to the samples collected with the automatic device, a few runoff samples were collected manually with the depth-integrating sampler at the catchment outlets, including all samples for insecticide, herbicide, oil and grease, and sediment particle-size determinations. Insecticide, herbicide, and oil and grease samples were collected in specially cleaned glass bottles. To verify sediment concentrations in samples collected with the automatic device, some suspended-sediment samples were collected manually at each outlet using the depth-integrating sampler.

All samples were taken to a field processing center. The digital record of the sample-collection period was processed on a desktop computer to give a listing and a graphical display of precipitation, discharge, and sample-collection times. The graphical displays were used to help select which samples would be submitted for analysis. Measurements of specific conductance and pH were made on aliquots of the selected samples, which were then prepared for shipment to the laboratory. Because the various analyses required several different types of sample preparation, it was necessary to split each sample into components. This was done using a teflon and plastic laboratory sample splitter, US LSS-762A, obtained from the Federal Inter-Agency Sedimentation Project, St. Anthony Falls Hydraulic Laboratory, Minneapolis, Minn.

TABLE 7.--Core characteristics and constituents measured in storm runoff

Field determinations
Specific conductance
pH
Major nutrients
Dissolved nitrite-plus-nitrate (as N)
Dissolved ammonia (as N)
Total ammonia plus organic nitrogen (as N)
Dissolved ammonia plus organic nitrogen (as N)
Total phosphorus (as P)
Dissolved phosphorus (as P)
Trace elements
Total recoverable lead
Organic and biological constituents
Chemical oxygen demand
Carbonaceous biochemical oxygen demand, 5-day
Dissolved organic carbon
Suspended organic carbon
Fecal coliform bacteria
Other constituents
Suspsended solids
Dissolved solids

Wet- and Dry-Atmospheric-Deposition Quality

Wet- and dry-atmospheric-deposition quality samples were collected at one location in each catchment (fig. 1) using a sampler that automatically exposed one collection container when rain or snow was falling and another when it was not. All samplers were located in open areas approximately 15 feet above ground. Collection containers were high-density polyethylene buckets with a 3.4-gallon capacity and an inside diameter of 11.3 inches. The contents of the samplers were removed monthly; however, the schedule was usually modified to provide data on the quality of rain falling during a storm that was sampled for runoff quality and on the quality and amount of dry deposition before these storms. When possible, the contents of rainfall buckets were removed prior to and after these storms, and the dry-deposition samples were collected prior to the storms.

The samples were taken to the field-processing center for field measurements, and then split into components in preparation for shipment to the laboratory. Field measurements of wet deposition included specific conductance, pH, and sample volume. The pH measurements were made using a low ionic-strength electrode. The volume of the sample was measured using a graduate cylinder. The interior of the collection bucket was rinsed with distilled water and the volume of rinse water was measured and added to the sample water. A cone sample splitter, developed by the U.S. Geological Survey, was used to split the samples. Wet-deposition samples were analyzed for all the constituents listed in table 7, except for biochemical-oxygen demand and fecal-coliform bacteria. Some samples were selected for dissolved lead and major anion-cation determinations (tables 31 and 32).

Dry atmospheric-deposition samples were prepared for the laboratory by washing the inside of the collection bucket with distilled water while using a rubber spatula to remove the particles adhering to the walls of the bucket. Most of the dry deposition consisted of dust, although larger particles such as leaves were sometimes found in the collection buckets. The small particles were rinsed from these and retained, and the larger particles discarded. Sufficient wash water was added to prepare the necessary samples for analysis, the volume was measured, and the cone sample splitter was used to obtain sample aliquots. Dry-deposition samples were analyzed for the total (as opposed to dissolved) nutrients listed in table 7, and for total solids, total recoverable lead, chemical oxygen demand, and dissolved and suspended organic carbon. All determinations are reported as total or total recoverable, with the exception of suspended and dissolved organic carbon. Organic carbon samples were filtered through a 0.45-micron silver filter and both the filtrate and filter cake were submitted for analysis. Therefore, the dissolved organic carbon concentrations for dry-atmospheric-deposition samples represent only the organic carbon that was dissolved from the deposition material during sample processing. Although suspended and dissolved organic carbon concentrations in dry deposition are reported as basic data (table 33), elsewhere in the report the two concentrations are summed to obtain a total organic carbon concentration.

In the Lake Hills catchment, contamination of the dry-deposition sampler with bird droppings became a problem beginning in May 1981. The problem was corrected by attaching toy pinwheels near the collector to frighten the birds away. Samples that were known to be contaminated with bird droppings were discarded.

Analytical Methods

All laboratory analyses, except for biochemical-oxygen demand and fecal-coliform bacteria, were done in the U.S. Geological Survey Central Laboratory in Arvada, Colo. Fecal-coliform bacteria and biochemical-oxygen demand determinations were done under contract by a private laboratory. Sample preparation, storage, and analysis were done according to U.S. Geological Survey methodology as specified by Skougstad and others (1979), Greeson and others (1977), and Guy (1969), except for the semiquantitative determinations of inorganic constituents that were used to aid in designing and verifying the analytical protocol. The data from these determinations appear in table 26. They should not be used for other applications that require a moderate degree of confidence in the reported results.

DATA MANAGEMENT

The data collected by the U.S. Geological Survey during this project are stored in two computer data bases. WATSTORE, the U.S. Geological Survey data storage and retrieval system, contains (1) discharge at 5-minute intervals, (2) mean daily discharge, (3) 5-minute precipitation, (4) daily precipitation, (5) daily pan evaporation at a nearby location, (6) runoff-water quality, and (7) wet- and dry-atmospheric-deposition quality. The other data base is part of a data-management system developed for the U.S. Geological Survey National Urban Runoff Program (Doyle and Lorens, 1981) for fast and economical access. It contains the project data stored in WATSTORE plus the catchment characteristics given in tables 1 and 2 and a list of storm characteristics (the characteristics are listed in tables 8 and 16; the data appear in table 16, p. 108).

TABLE 8.--Storm-characteristics variables stored in the urban hydrology data base

Variable name	Variable identification
BDATE	Storm begin date; year, month, day
BTIME	Storm begin time
EDATE	Storm end date; year, month, day
ETIME	Storm end time
TRAINA	Total rainfall, average for the catchment, in inches
MAXR5	Maximum 5-minute rainfall rate, in inches/hour
MAXR15	Maximum 15-minute rainfall rate, in inches/hour
MAX1H	Maximum 1-hour rainfall rate, in inches/hour
NDRD02	Number of hours prior to storm, counting backwards to storm with rainfall greater than 0.2 inch
DERNPD	Depth of rainfall accumulated during the previous 24 hours, in inches
DERNP3	Depth of rainfall accumulated during the previous 72 hours, in inches
DERNP7	Depth of rainfall accumulated during the previous 168 hours, in inches
TOTRUN	Total runoff, not including base flow, in inches
PEAKQ	Peak discharge, not including base flow, in cubic feet per second
BFLOW	Base flow prior to storm, in cubic feet per second
DURRNF	Duration of rainfall, in minutes
TIMBPK	Approximate response time of catchment, in minutes
DURSTO	Duration of storm used to calculate load, in minutes
TILASC	Time since last street cleaning, in days

SUMMARY DATA

Storm-Runoff Quality

Selected data summarizing storm-runoff quality, such as maximum, minimum, and median constituent concentrations, are presented in this section. All individual analysis are given in tables 19-29.

Rainfall, runoff, specific conductance, and suspended-solids concentrations during sampled storms were plotted and are shown in figures 4-6. The Surrey Downs and Lake Hills catchments were usually sampled during the same storm, and the plots are presented in pairs to facilitate comparisons between the catchments (fig. 4). Similar plots for the 148th Avenue S.E. catchment are shown in figure 5 and the inflow to and outflow from the 148th Avenue S.E. detention basin are compared in figure 6.

Constituent loads in storm runoff were calculated from storm-runoff-quality data collected near the mouth of each catchment and from data collected above and below the detention basin in the 148th Avenue S.E. catchment. The data, which are listed in table 9, are given in pounds per 1,000 acres for all constituents except fecal-coliform bacteria, which are given in millions of colonies per acre. Constituent loads in storm runoff were calculated by numerically integrating the products of water discharge and constituent concentrations. The procedure for performing the computations is given by Doyle and Lorens (1981). The time step chosen for numerical integration was 5 minutes, the recording interval for discharge. Constituent concentrations at 5-minute intervals were obtained by linear interpolation between data at sampling times, which were usually spaced at intervals greater than 5 minutes. For discharge occurring before the first sample point, the constituent value at the first sample point was used; for discharge occurring after the last sample point, the constituent value at the last sample point was used. The periods for which load calculations were made usually bracket an entire storm or a period of significant runoff occurring during a storm of long duration (figs. 4-6). If the calculated mass of a constituent washed off during the portion of a storm between the first and last sample was less than two-thirds of the mass calculated for the entire storm, then the value was considered invalid and was not retained as part of the load data.

In load computations, specific-conductance measurements were used to estimate dissolved-solids concentrations. Early in the study, linear regressions were used to establish a relationship between dissolved-solids concentrations and specific-conductance values measured in the storm runoff from each catchment. A few unusually high specific-conductance values (greater than 250 umhos/cm) were deleted from the regression analyses. Results of the regressions, which were done by forcing the y-intercept through zero, showed that the slopes of the regression lines were the same for data from all catchments. A regression was then performed using 234 observations from all catchments. The results was

Dissolved-solids concentration, in mg/L	= (0.78)	Specific conductance, in umhos/cm .

The standard error of estimate of the slope was 0.01, and the root-mean-square error was 9.3 mg/L.

Mean annual loads of water-quality constituents in storm-water runoff are given in table 10. These were calculated by first summing constituent loads from all sampled storms and dividing by the total runoff of the sampled storms, to give a discharge-weighted average concentration for each constituent. The average concentration was then multiplied by the mean annual runoff to give an approximate mean annual load.

Maximum, minimum, and median concentrations of the core water-quality constituents in storm runoff from the three catchments are given in table 11.

Wet- and Dry-Atmospheric-Deposition Quality

Wet- and dry-atmospheric-deposition quality are summarized in this section. Individual analyses appear in tables 30-33.

Monthly mean deposition rates for constituents in wet- and dry-deposition are shown in figure 7. Monthly mean deposition rates were computed by dividing the mass of a constituent deposited per unit area per month by the days in the month. When the collection period for a sample included more than one calendar month, the mass collected was assumed to have been deposited at a uniform rate during the collection period. Because deposition rates for constituents in rainfall are somewhat dependent on the amount of rainfall, monthly rainfall amounts for each of the catchments are shown in figure 8.

Mean monthly and mean annual deposition rates for constituents in wet- and dry-deposition are given in table 12. Mean monthly rates were obtained by averaging monthly mean data, and mean annual rates were computed by taking a time-weighted average of the mean monthly rates.

Contributions of loads in rain to observed loads of constituents in runoff are given in table 13. These were computed as the product of the constituent concentrations in the rainwater, obtained from a collection bucket exposed during a storm sampled for runoff quality and the volume of storm runoff. With one exception in each catchment, the collection period for the rainfall-quality sample included the period of the storm and varied in length from the duration of the storm to about 1 month. For the storm sampled for runoff quality in the Surrey Downs and Lake Hills catchments on August 31, 1981, concentrations of constituents in rainfall obtained from the previous composite period were used, even though that period did not bracket the sampled storm. This was done because the previous rainfall sample was thought to be more representative of rain falling during the August 31st storm. This was also done for the storm sampled September 1, 1981, in the 148th Avenue catchment.

Table 14 lists dry-deposition masses per unit area that were deposited in the period between a storm sampled for runoff quality and the preceding storm that had 0.2 inch or more of rain. These masses were computed by multiplying the average dry-deposition rates for the period between the storms by the length of the period.

A summary of maximum, minimum, and median concentrations of constituents in wet- and dry-deposition for the entire study period is given in table 15.

Storm Characteristics and Antecedent Conditions

Table 16 lists storm characteristics and antecedent conditions for each catchment and for most storms that occurred during the study period. Typical storm characteristics include rainfall and runoff volumes and maximum intensities, and antecedent conditions include variables, such as the amounts of rain that fell during various periods of time before the storm.

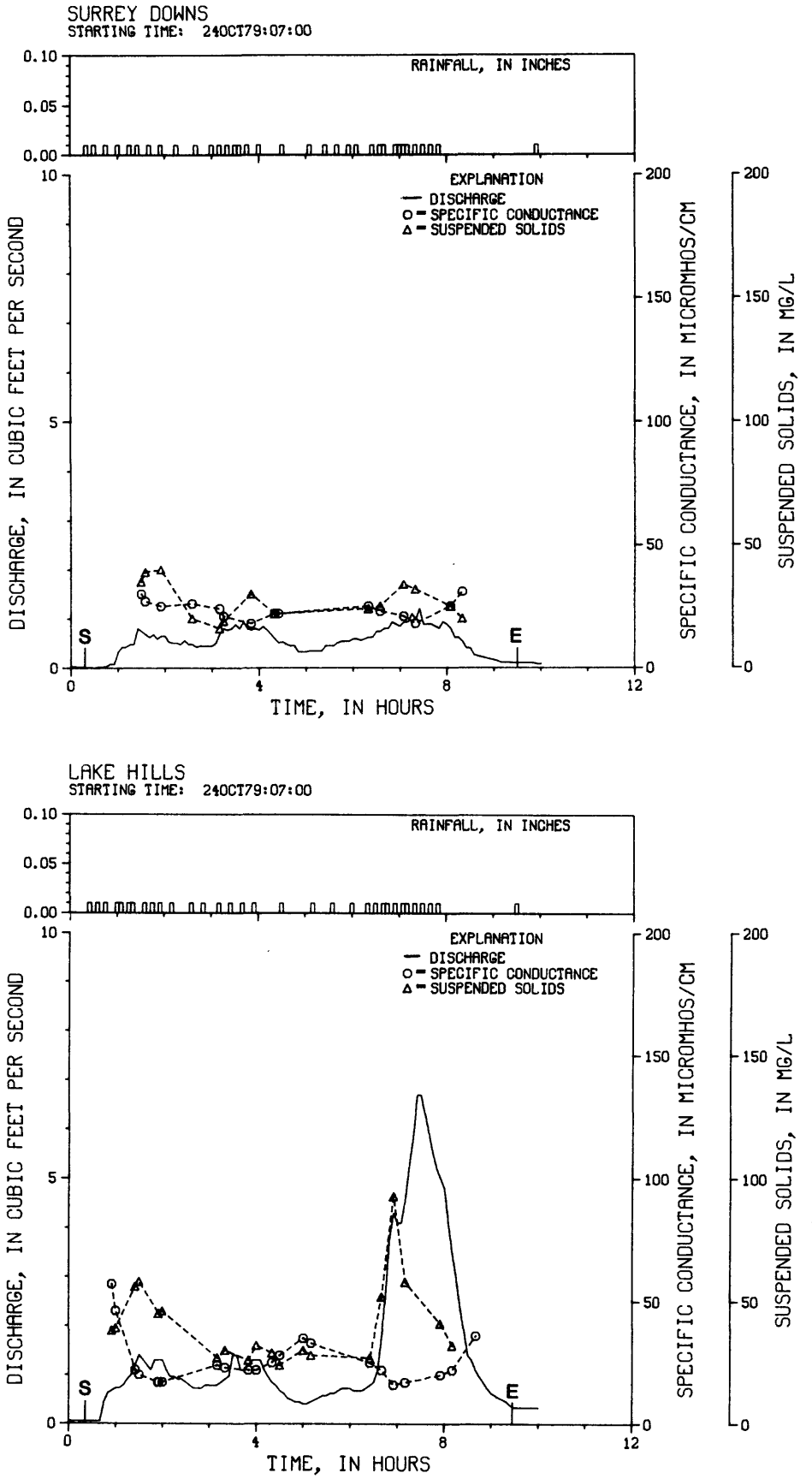
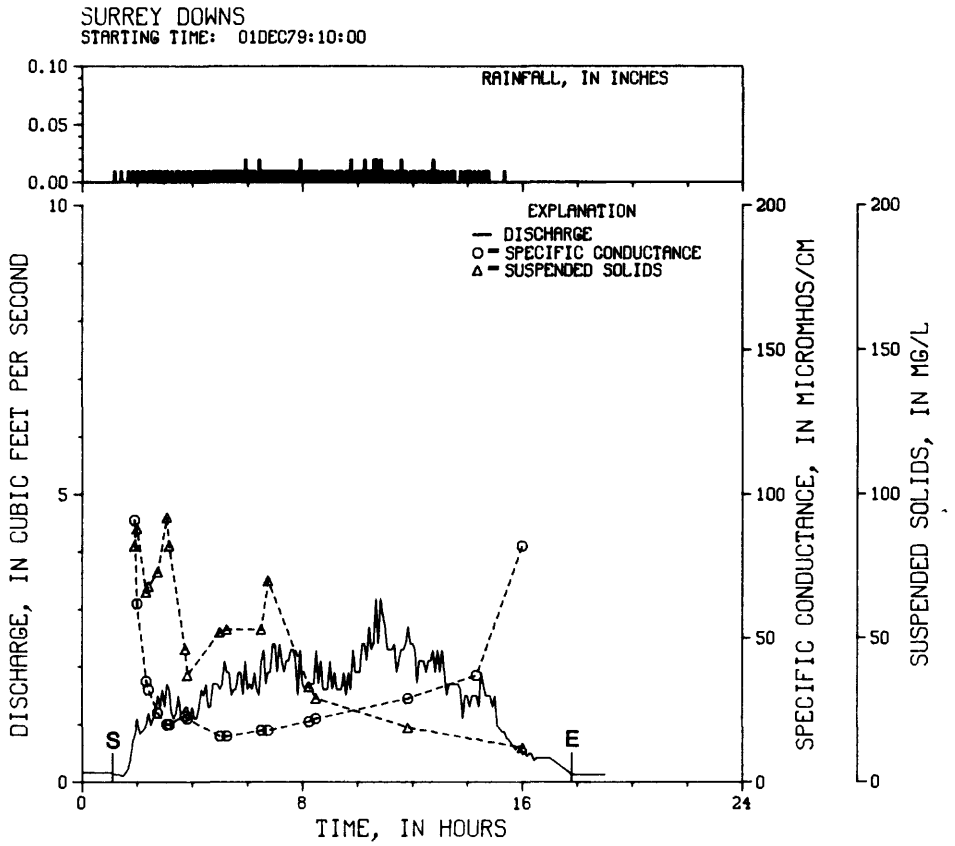
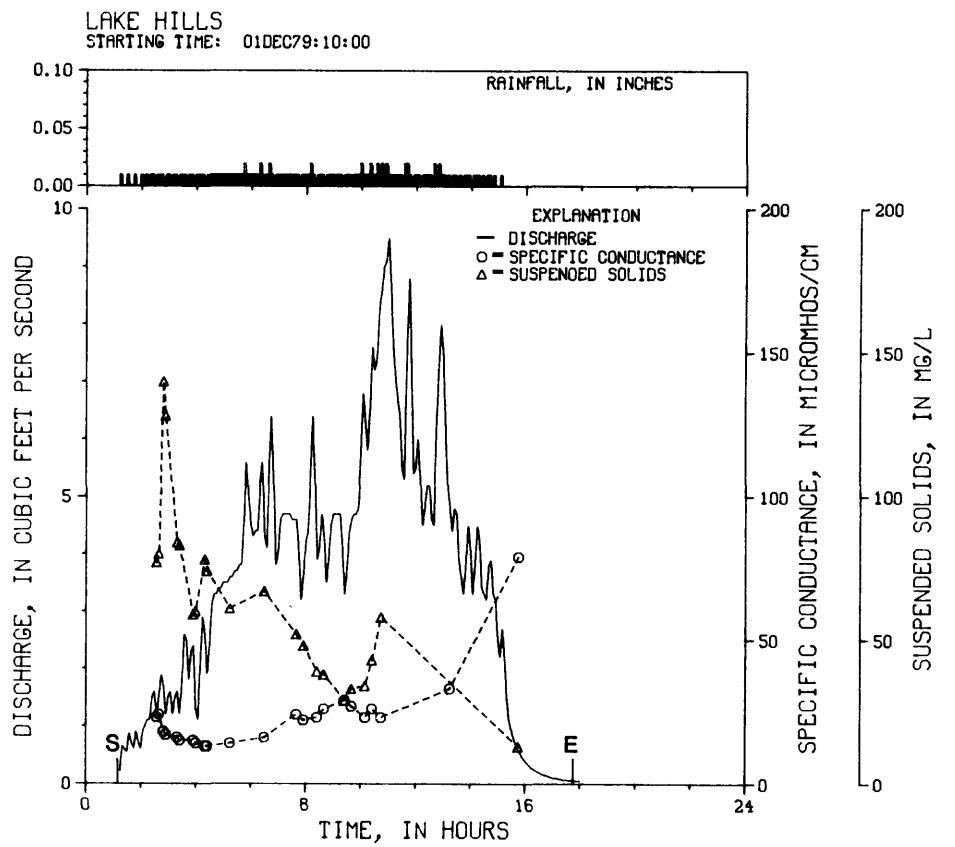


FIGURE 4.--Rainfall, runoff, specific conductance, and suspended-solids concentrations in runoff sampled from the Surrey Downs and Lake Hills catchments. Periods for which constituent loads were calculated are bracketed with: S = start, E = end.





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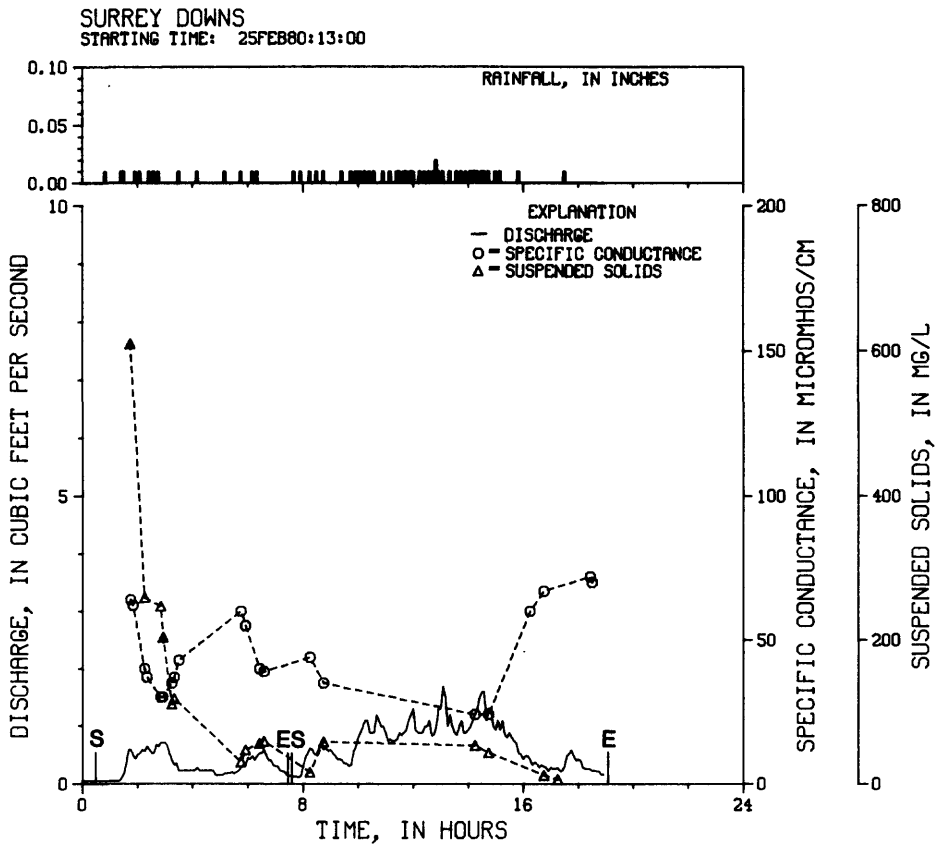

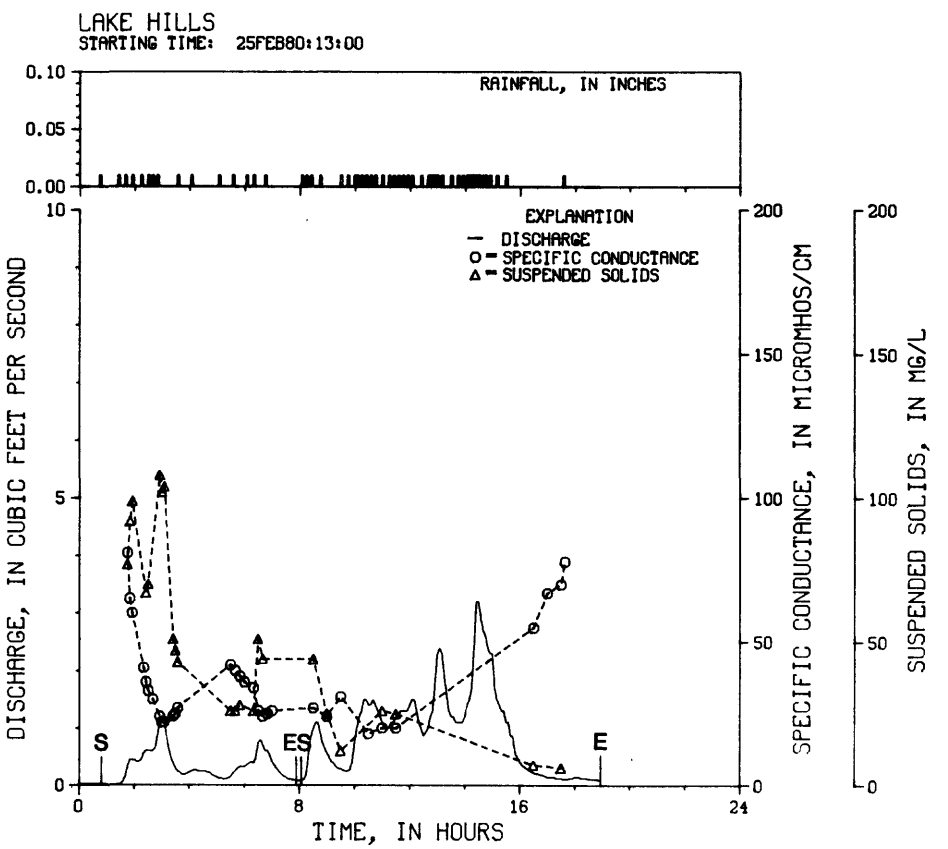

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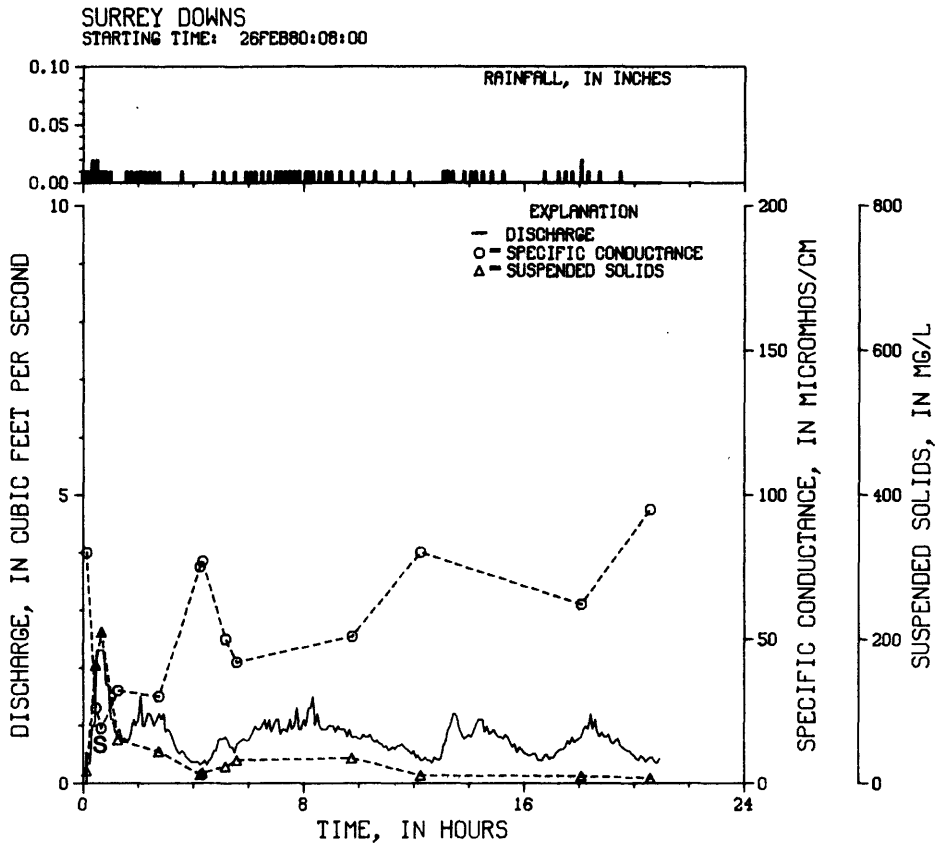

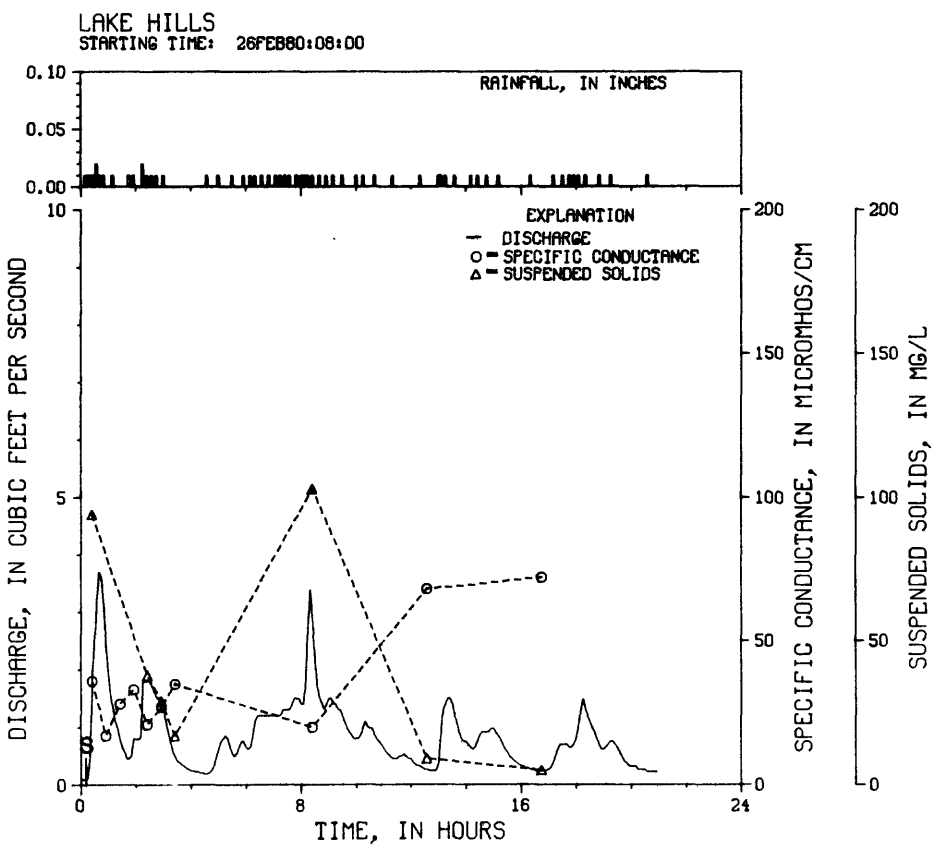

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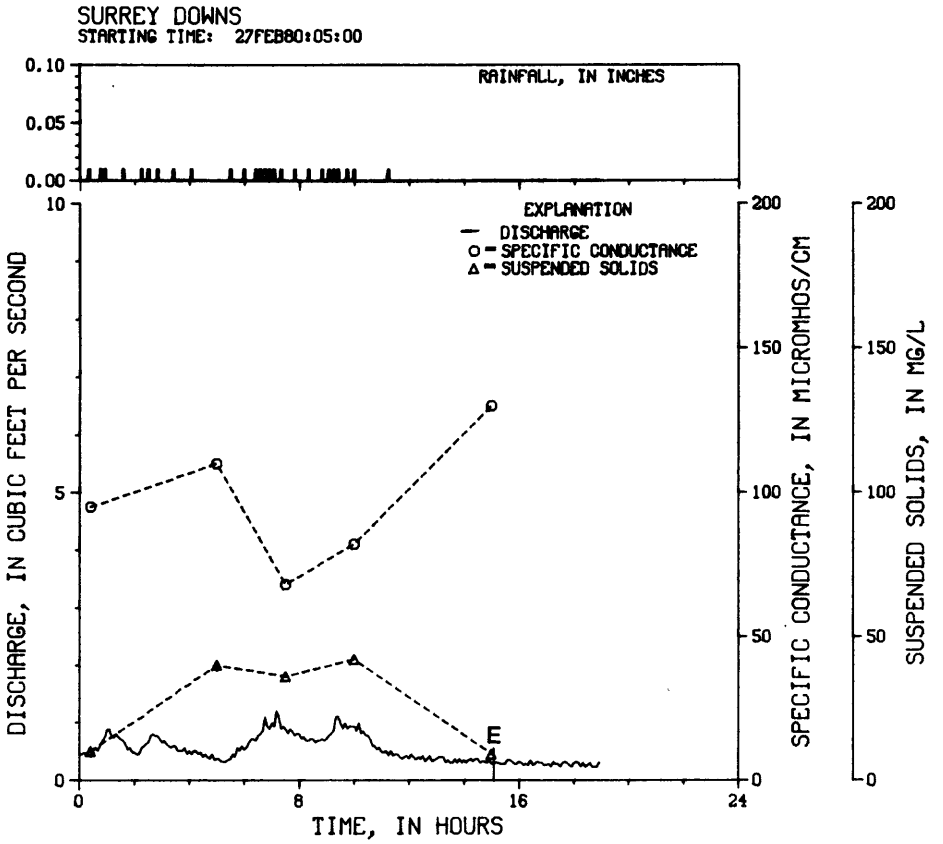

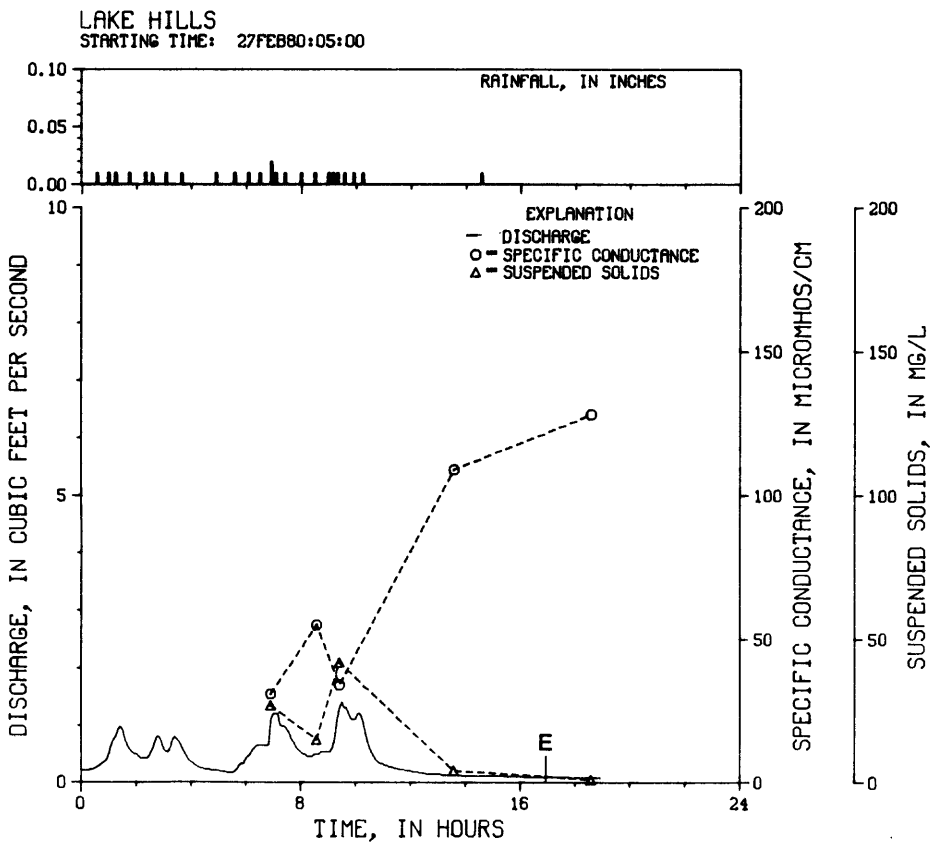

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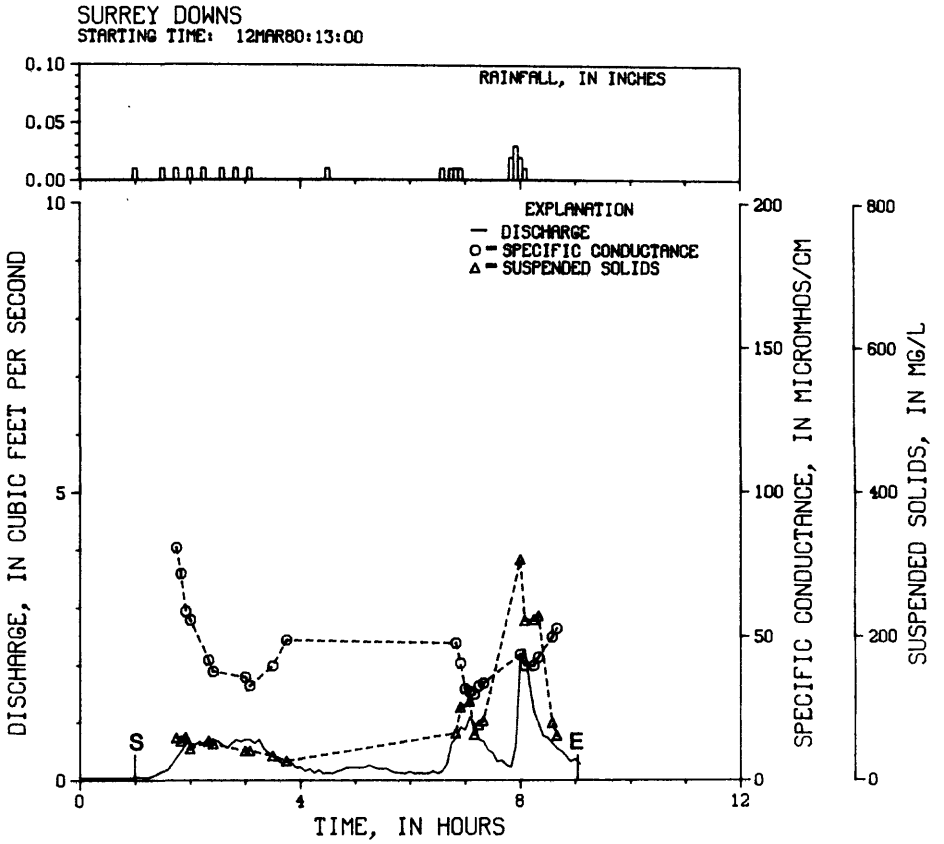

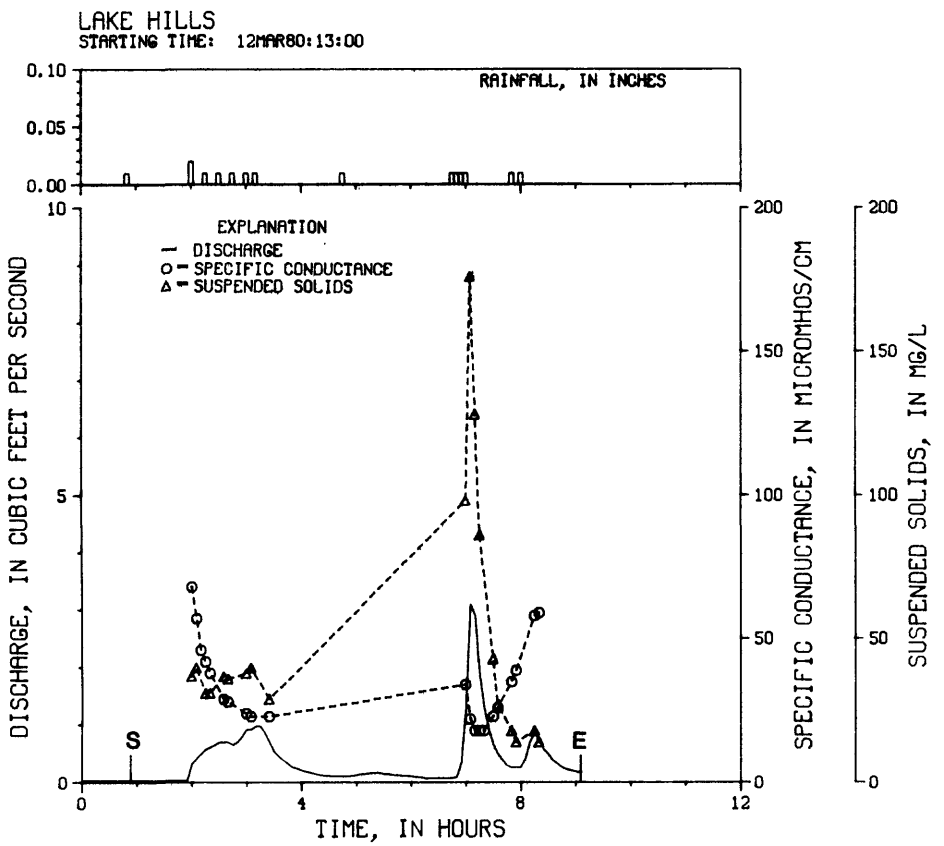

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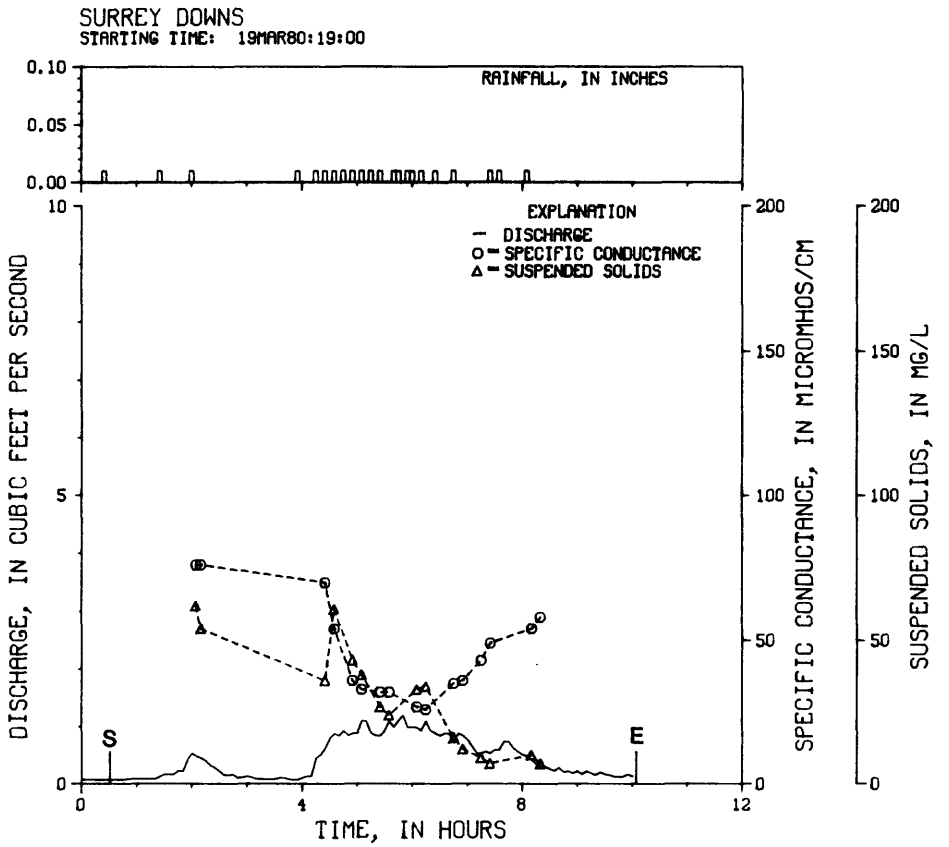

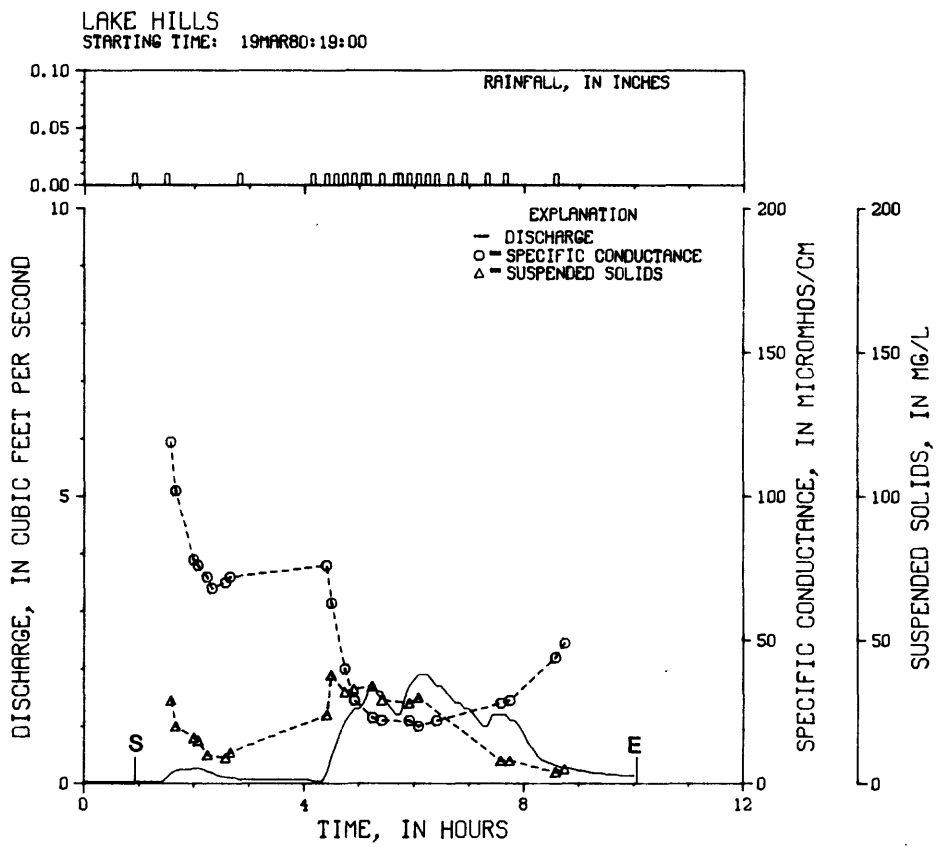

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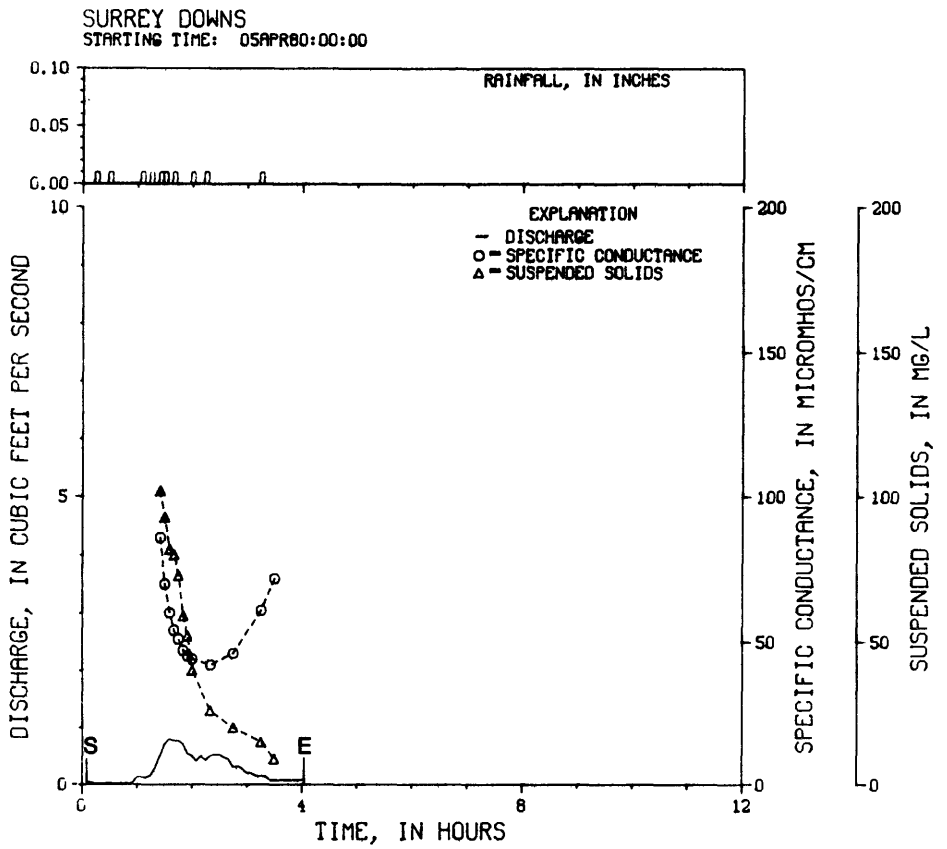

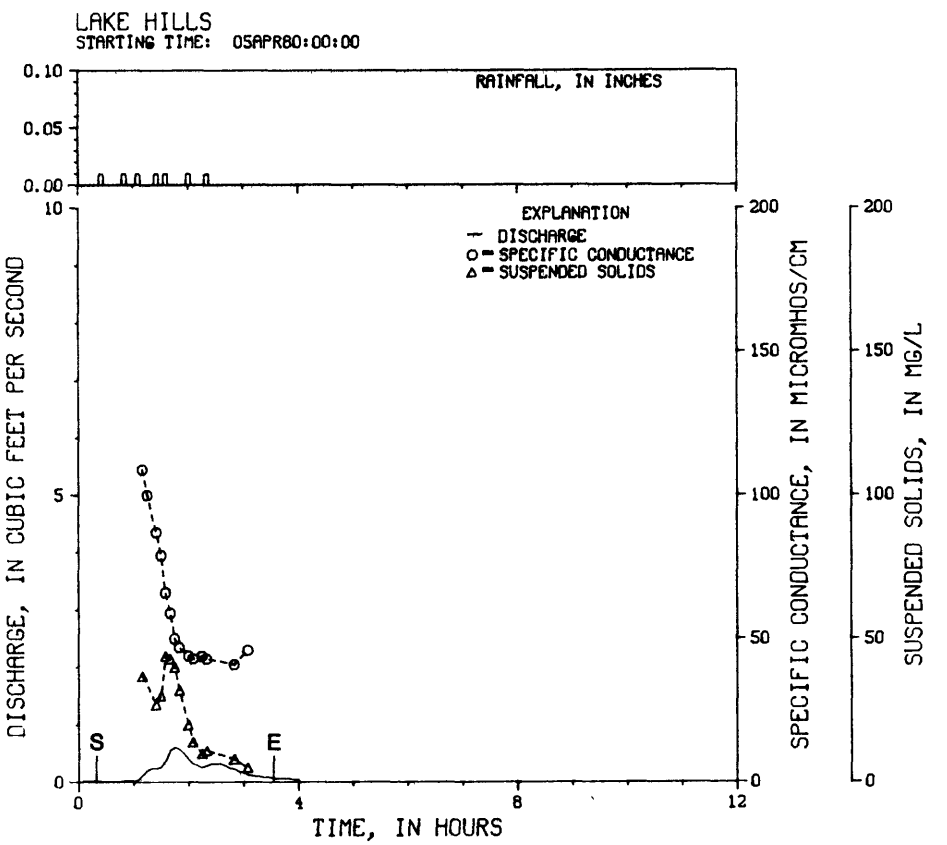

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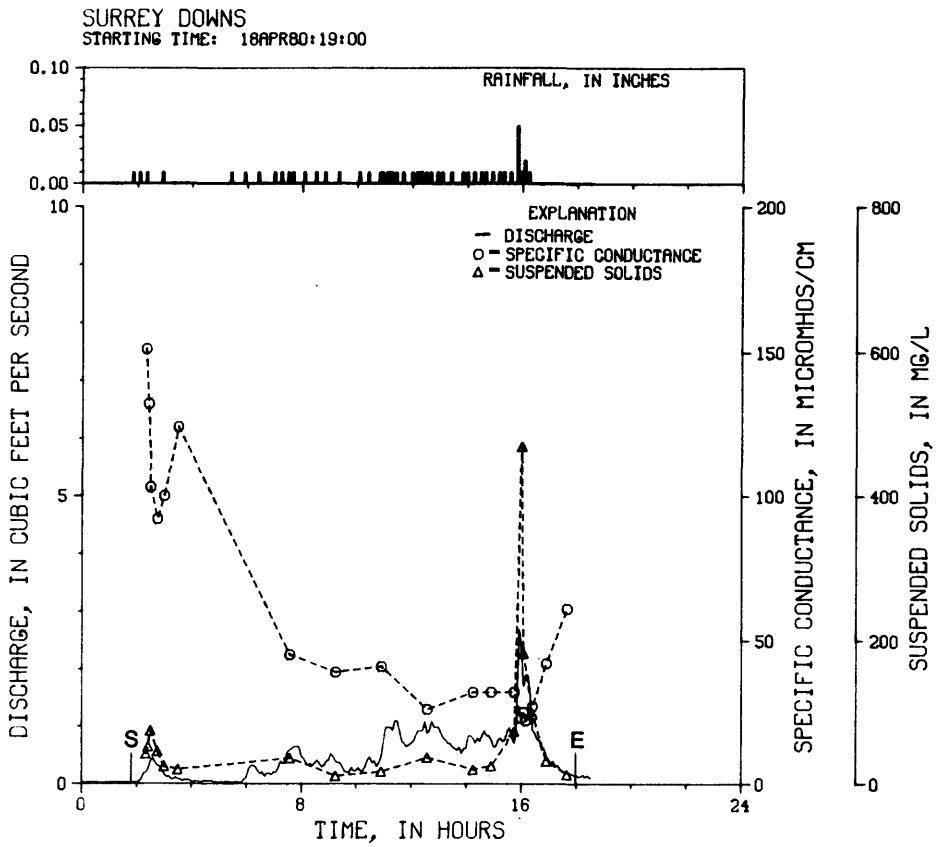

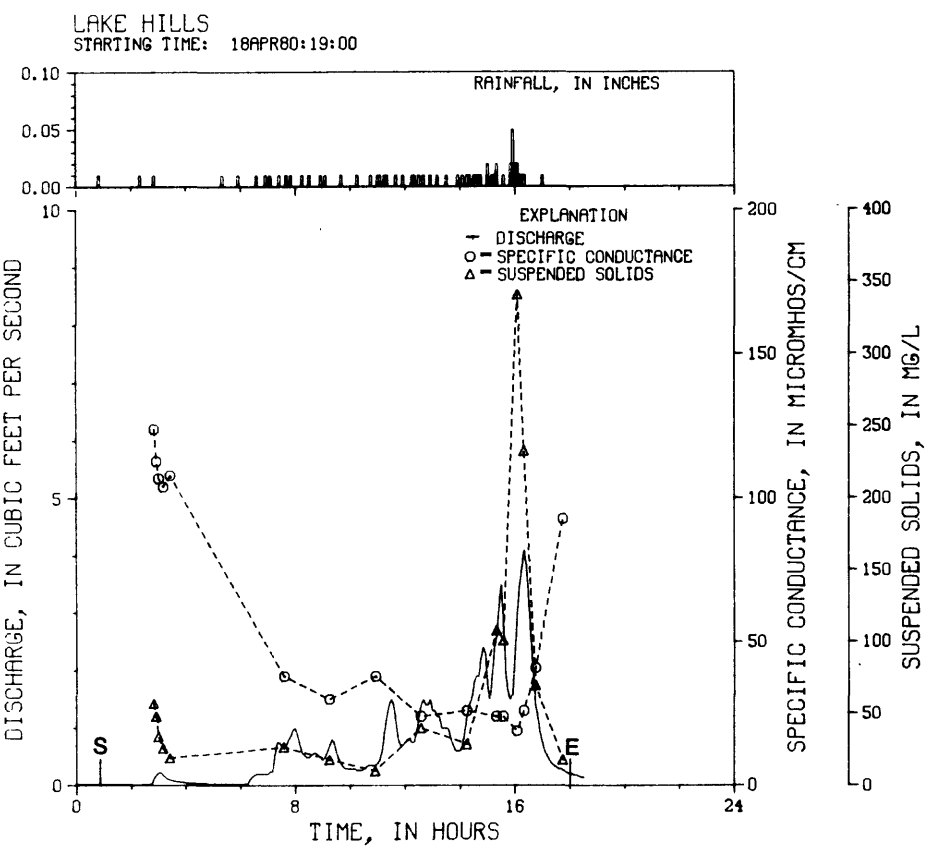

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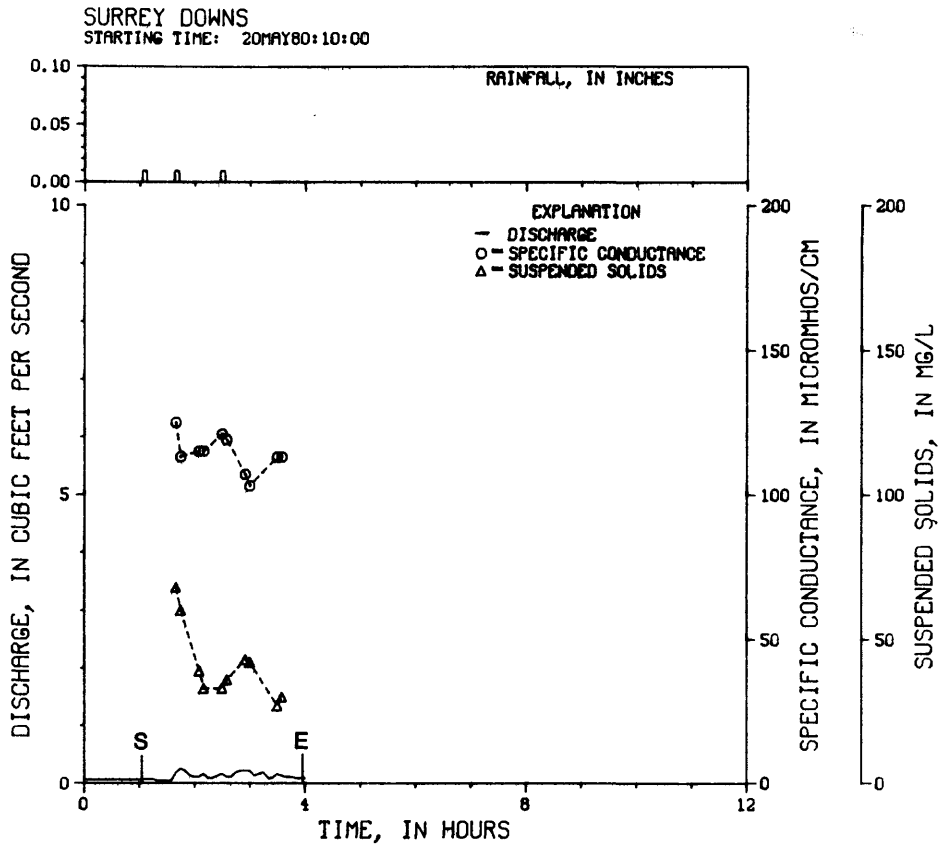

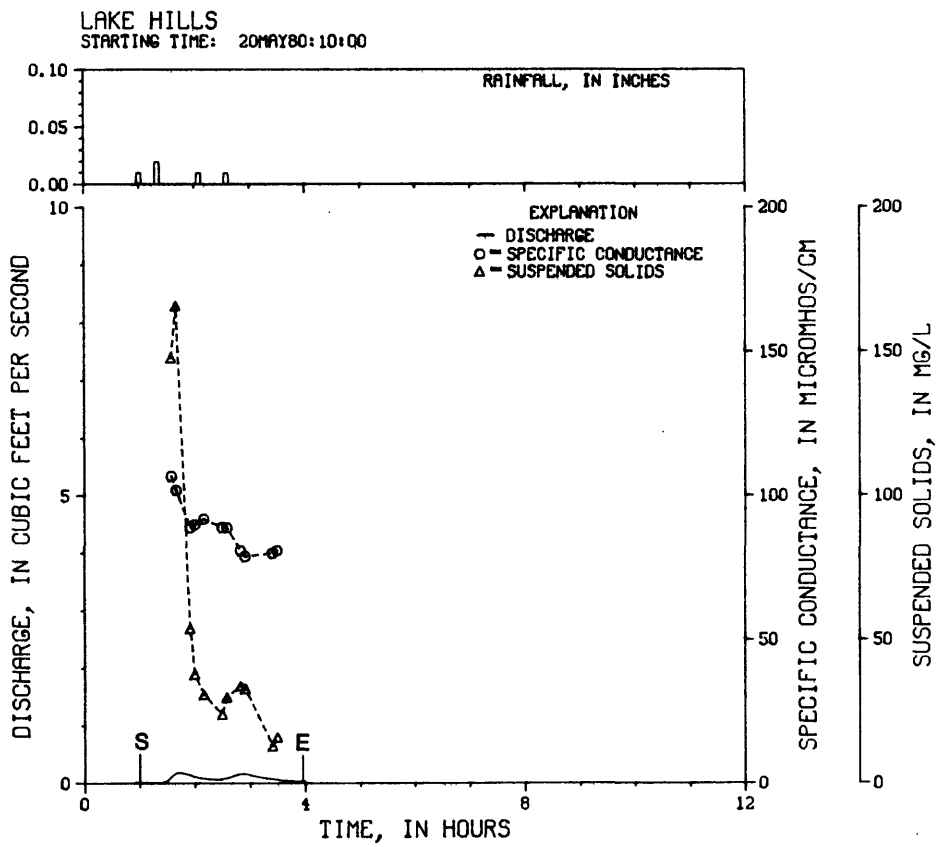

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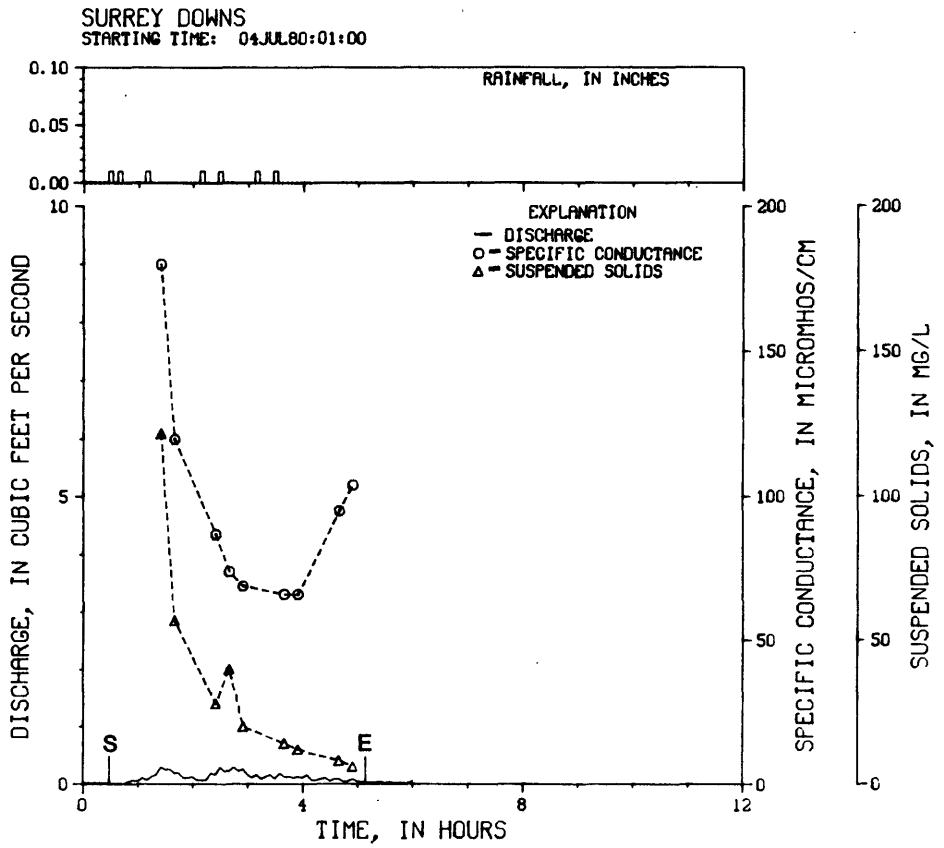

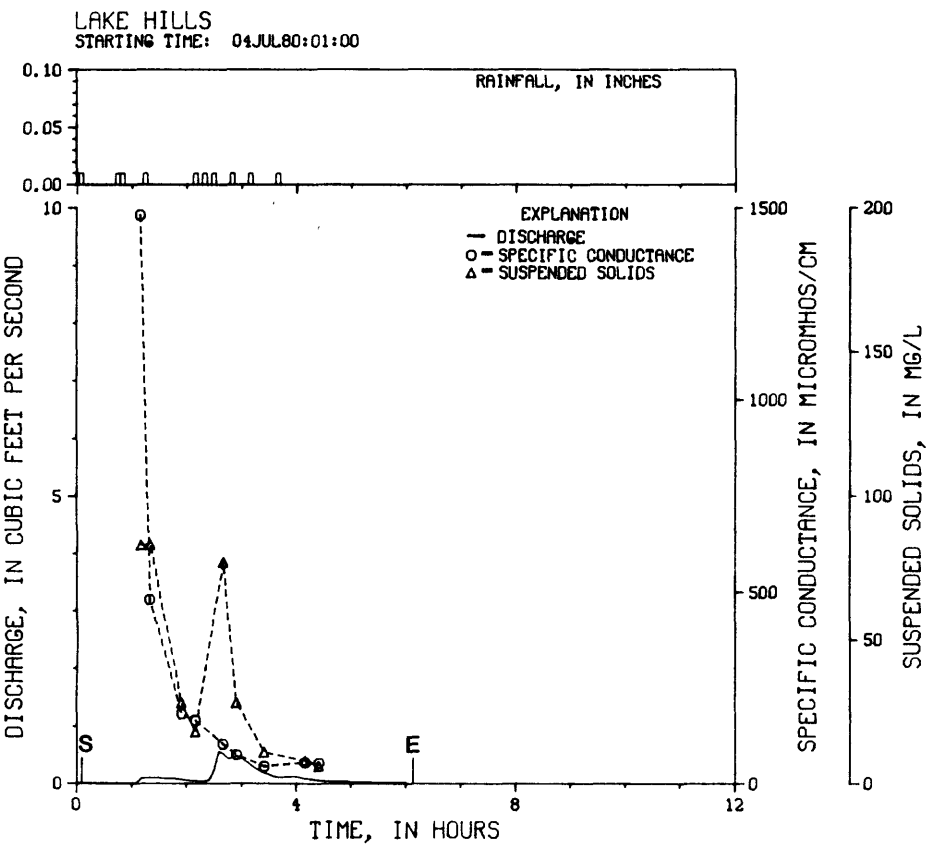

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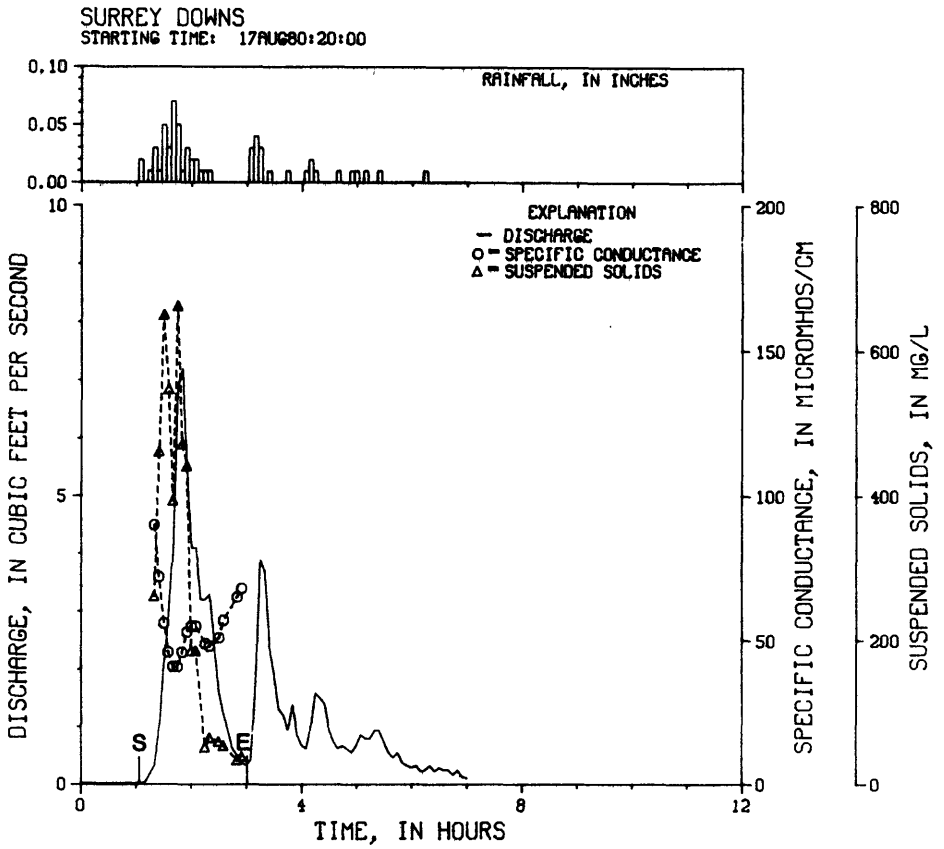

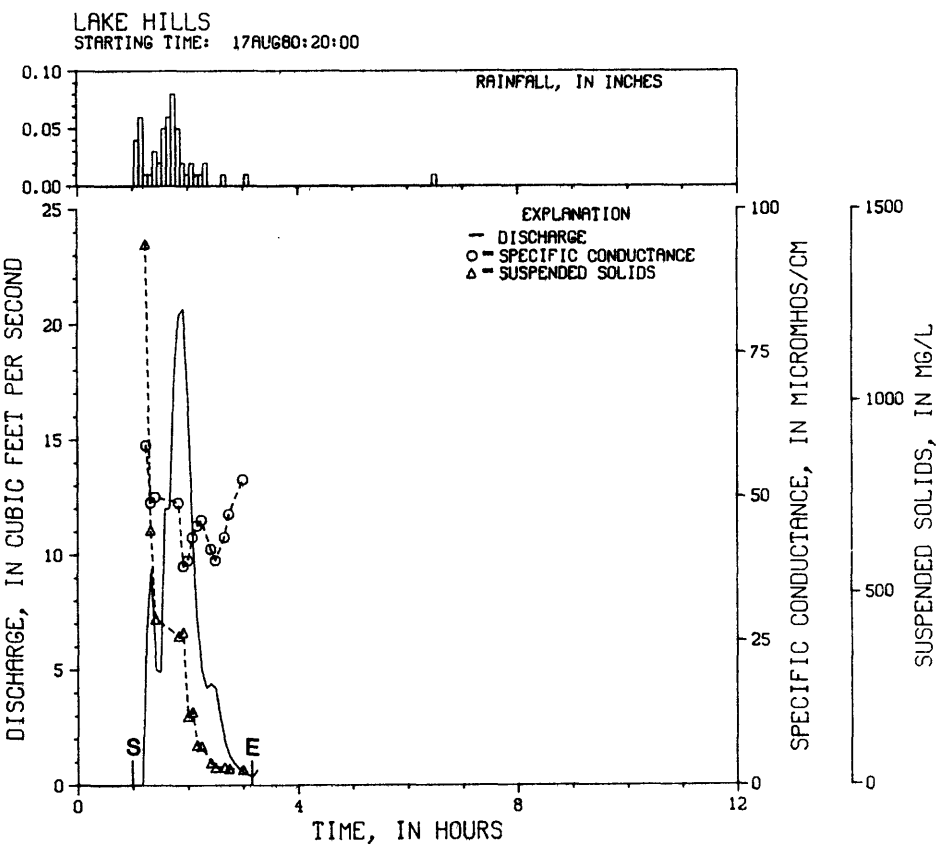

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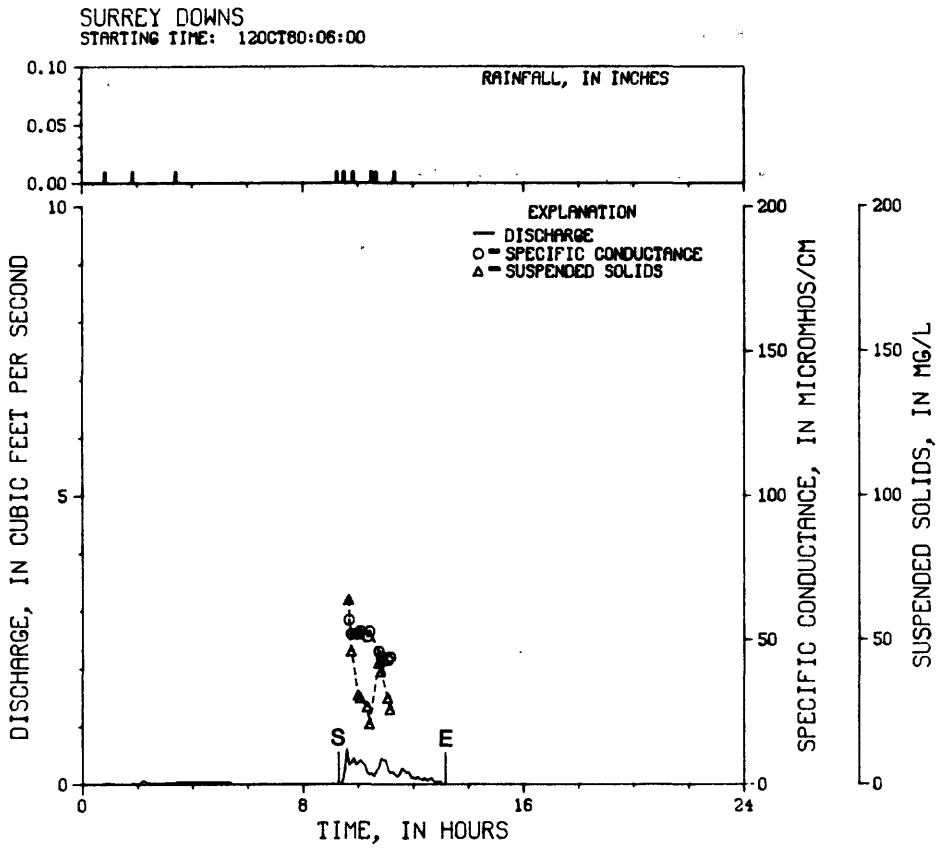

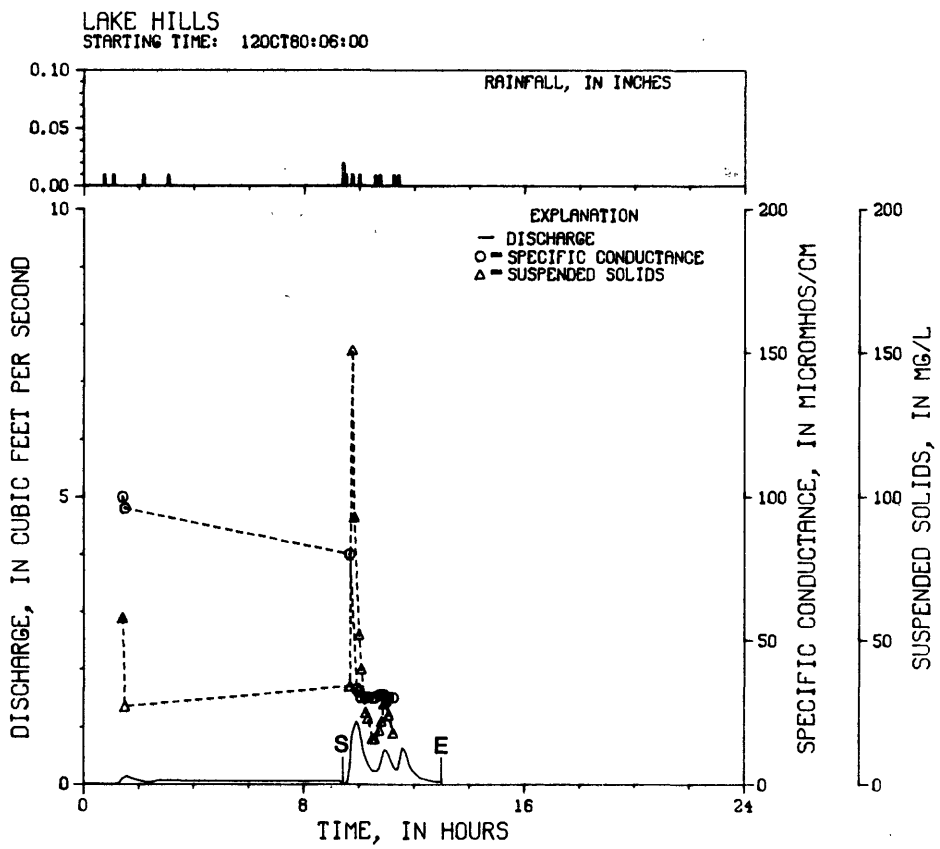

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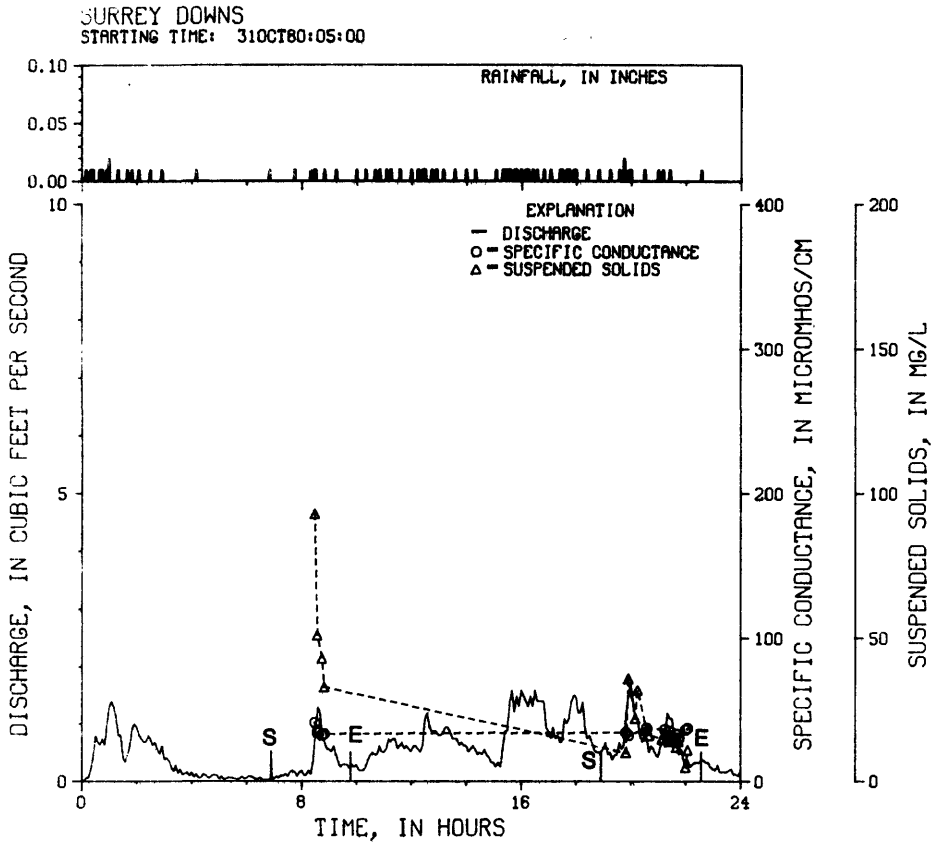

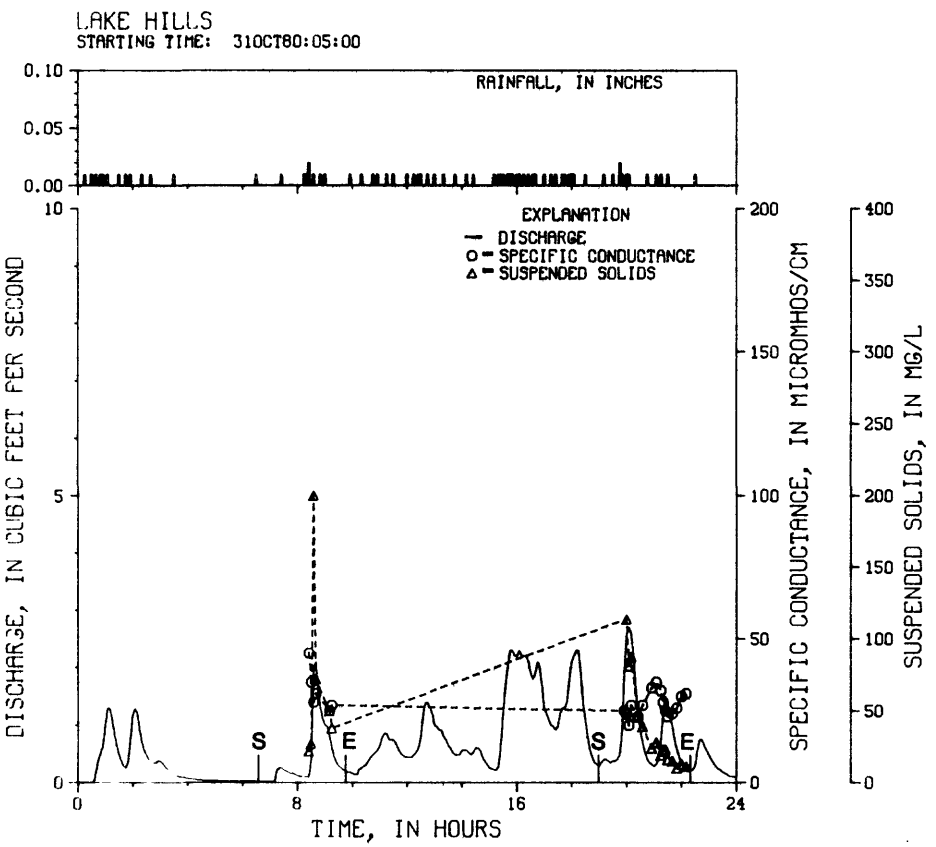

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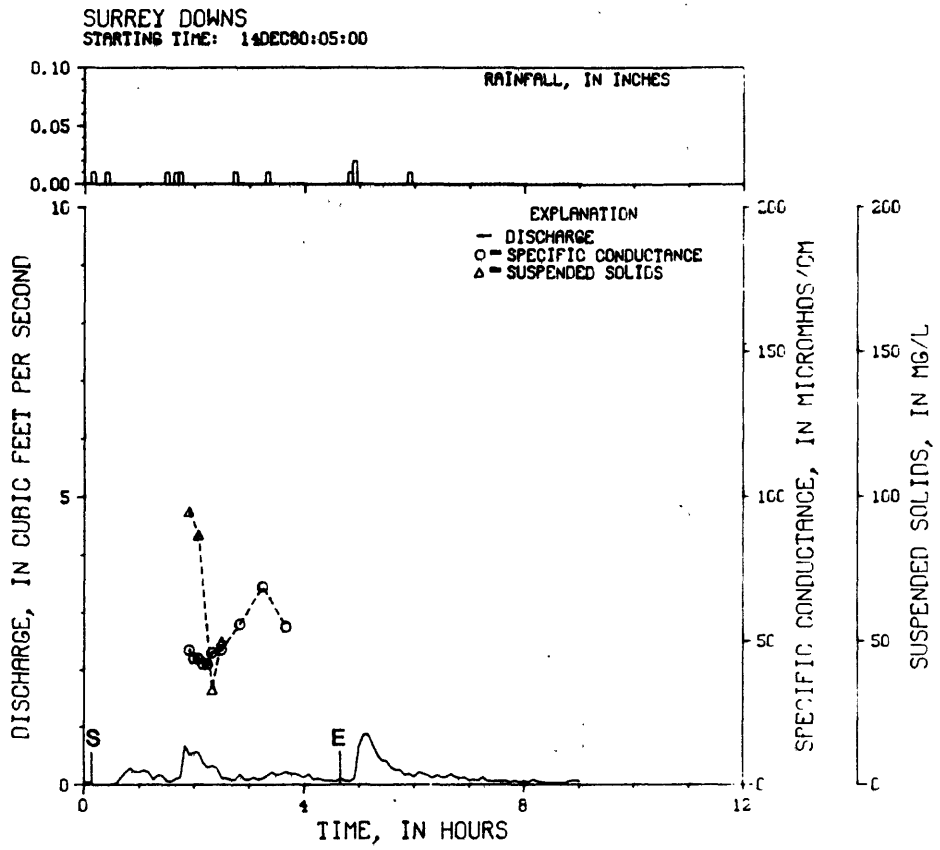

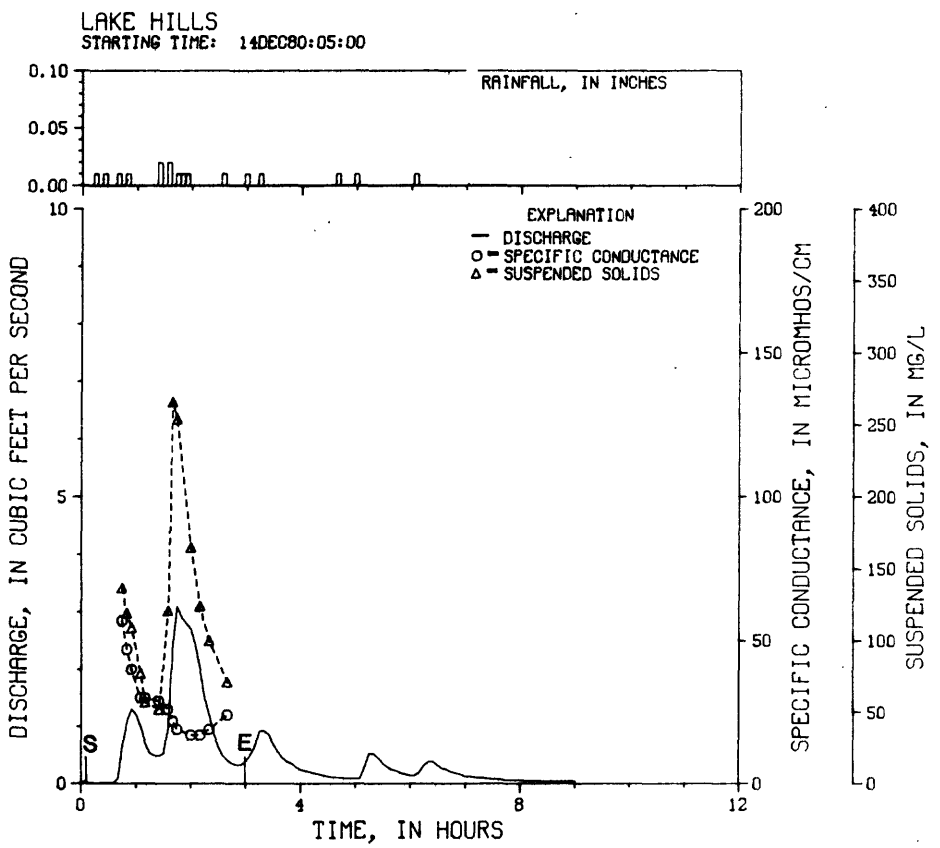

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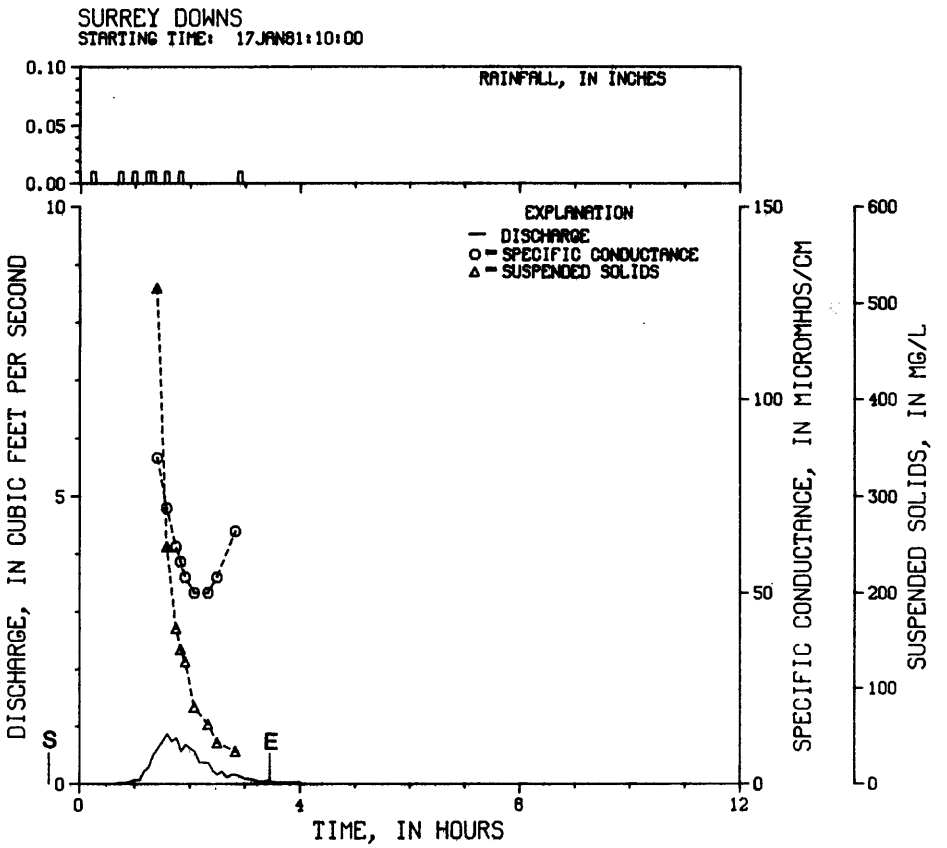


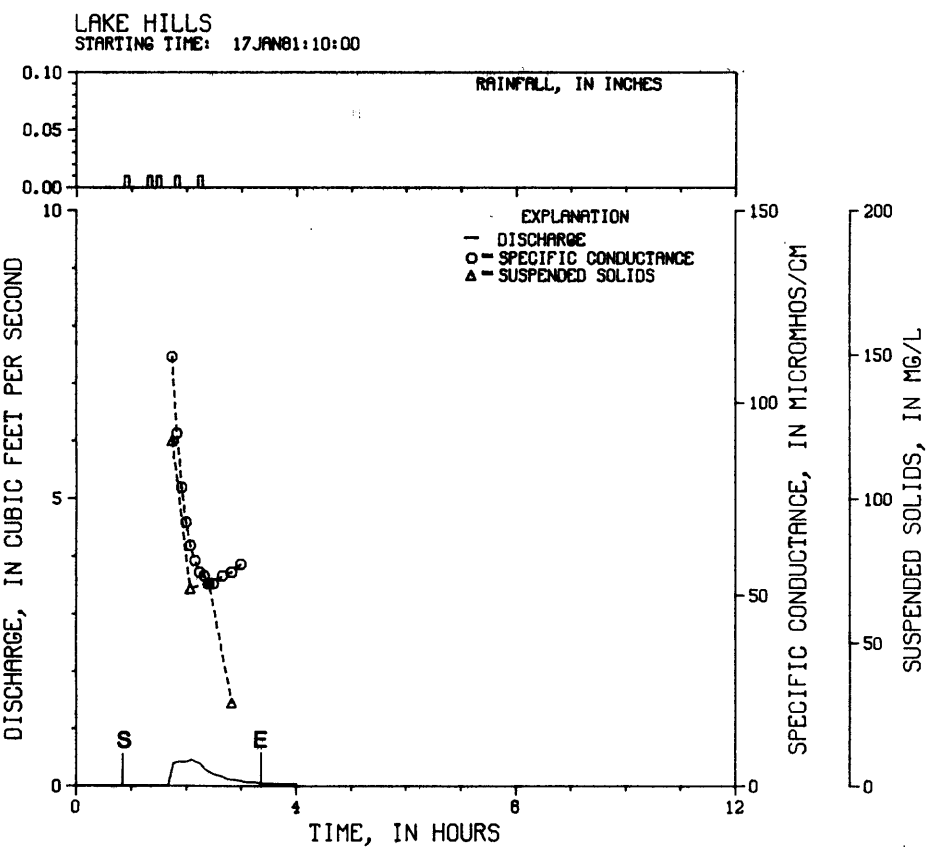
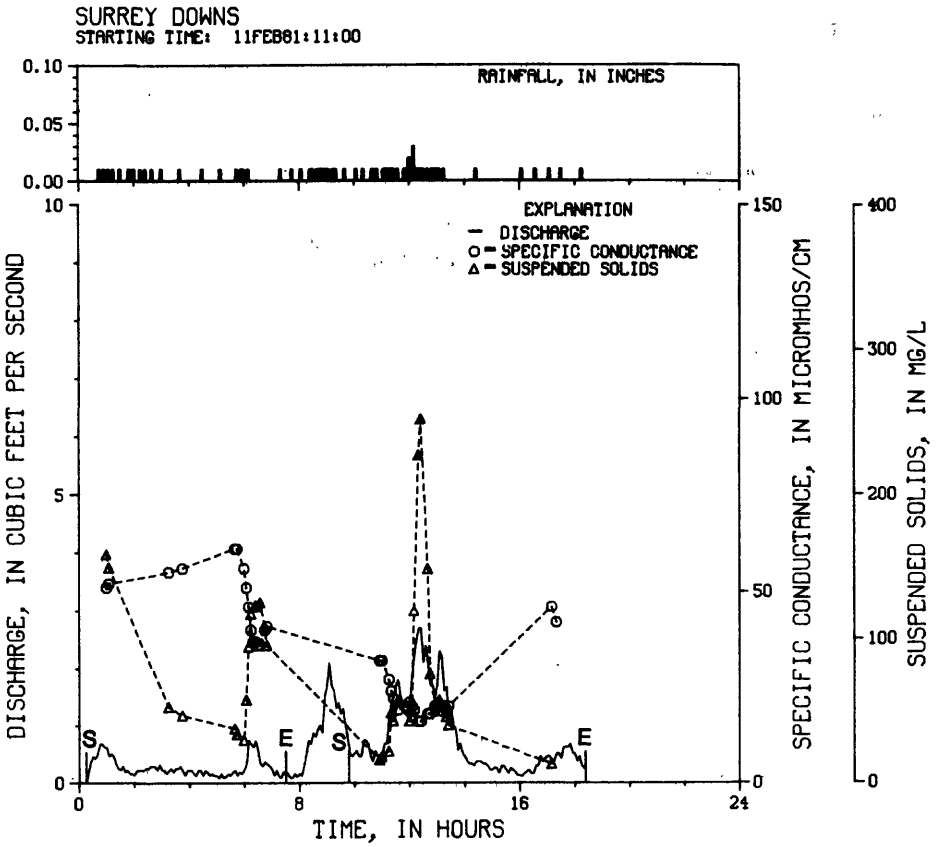


FIGURE 4.--Continued



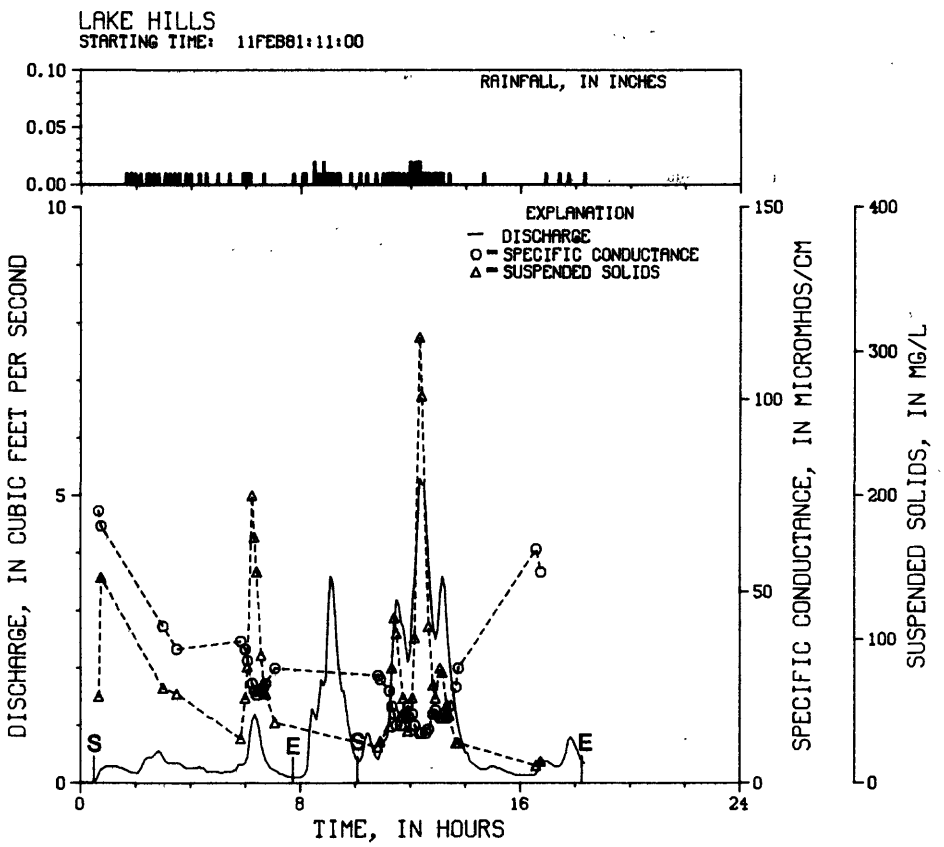
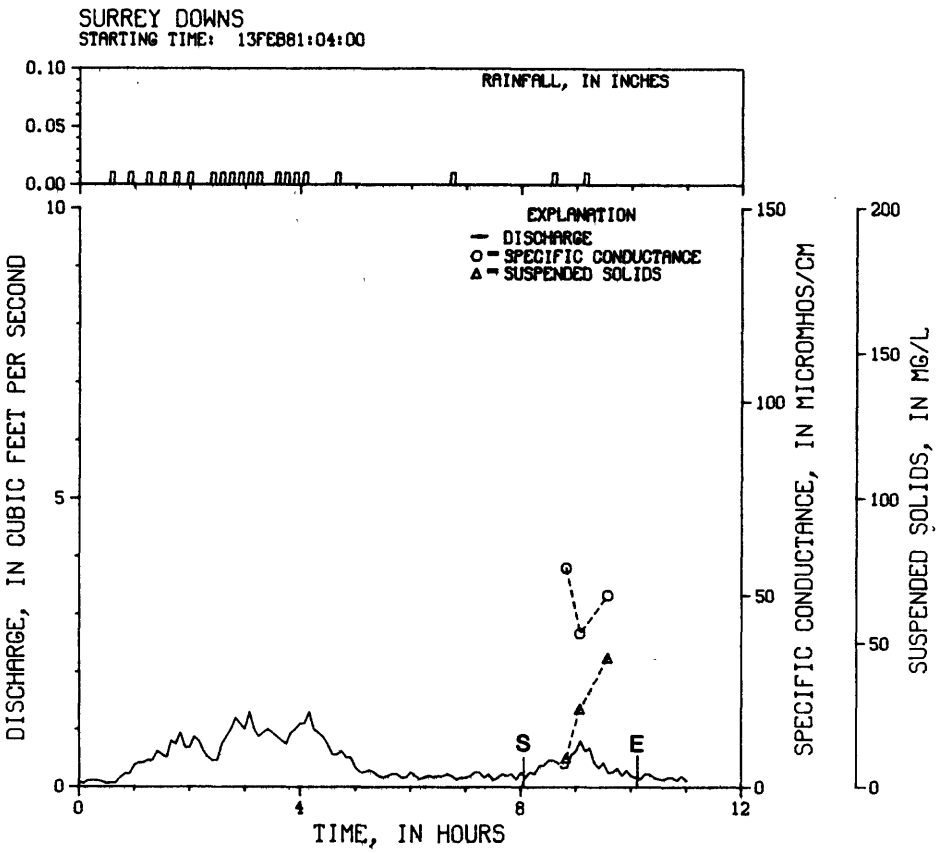


FIGURE 4.--Continued



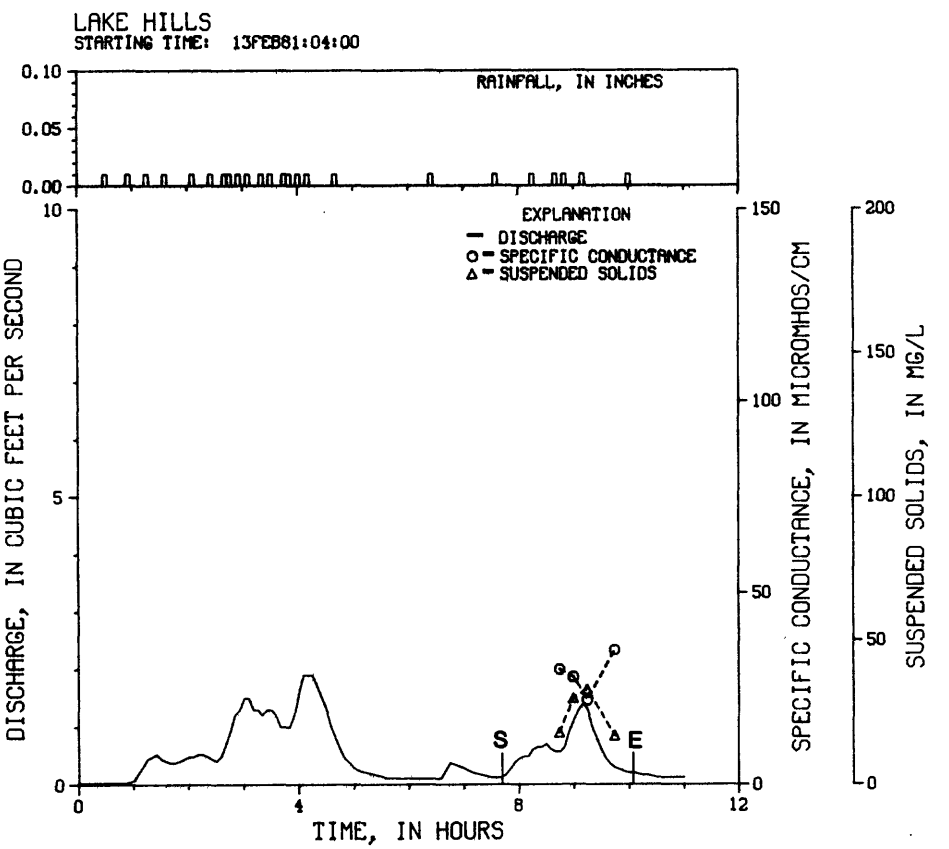
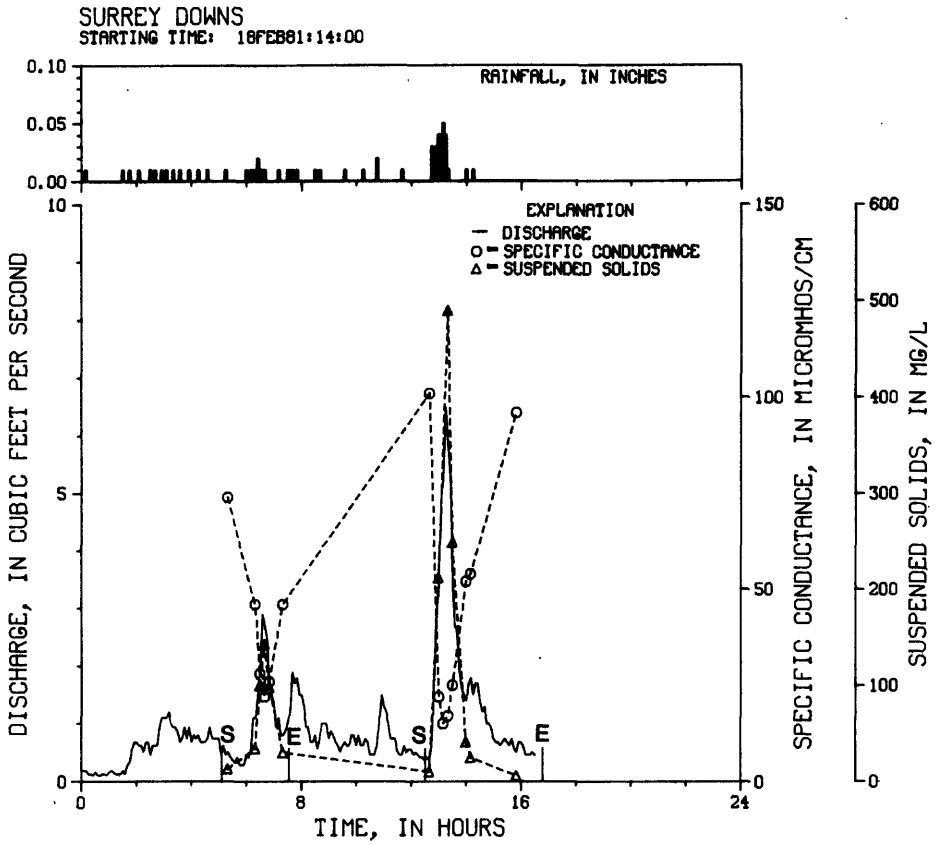


FIGURE 4.--Continued



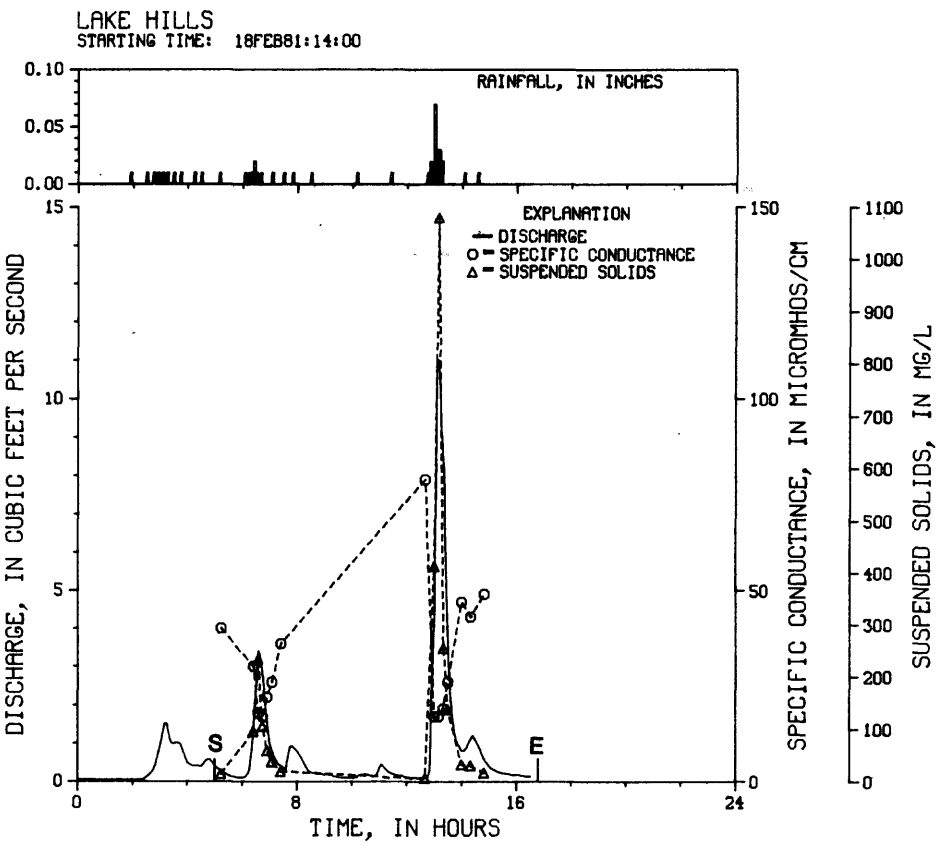
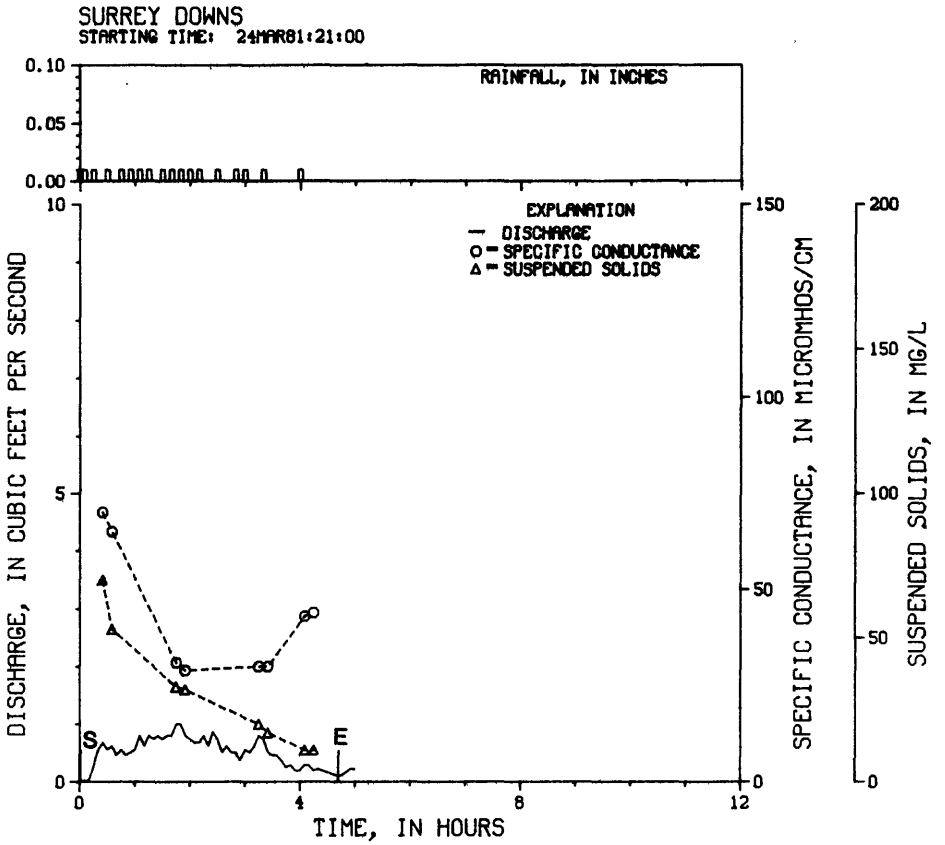


FIGURE 4.--Continued



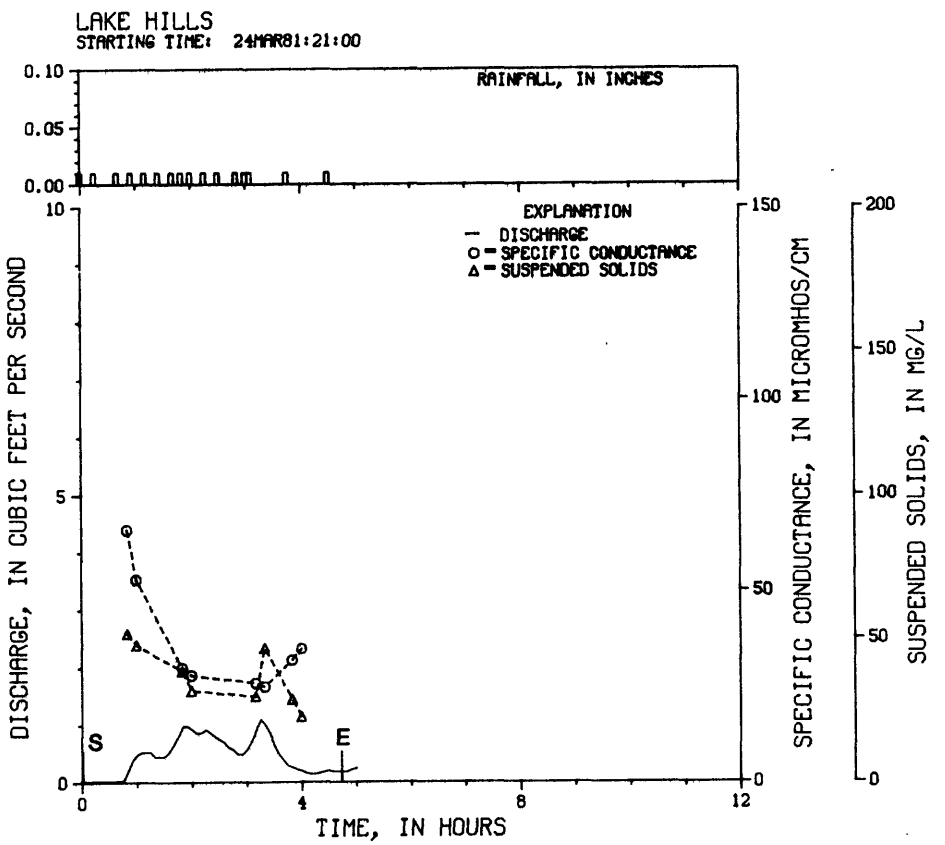
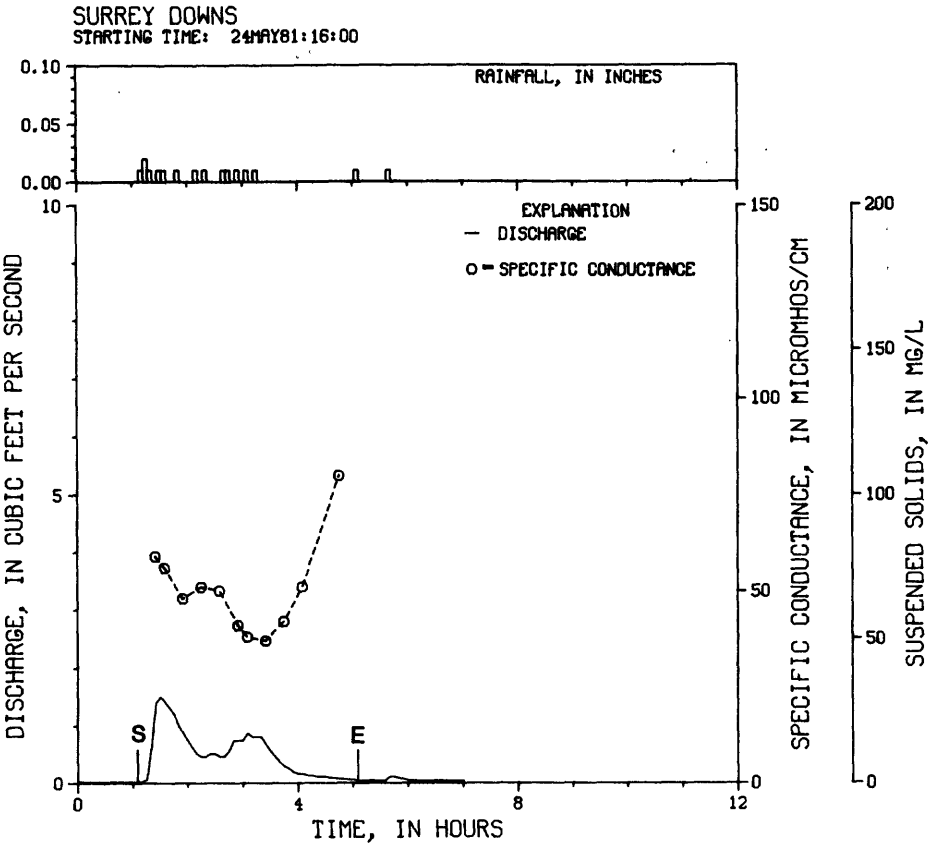


FIGURE 4.--Continued



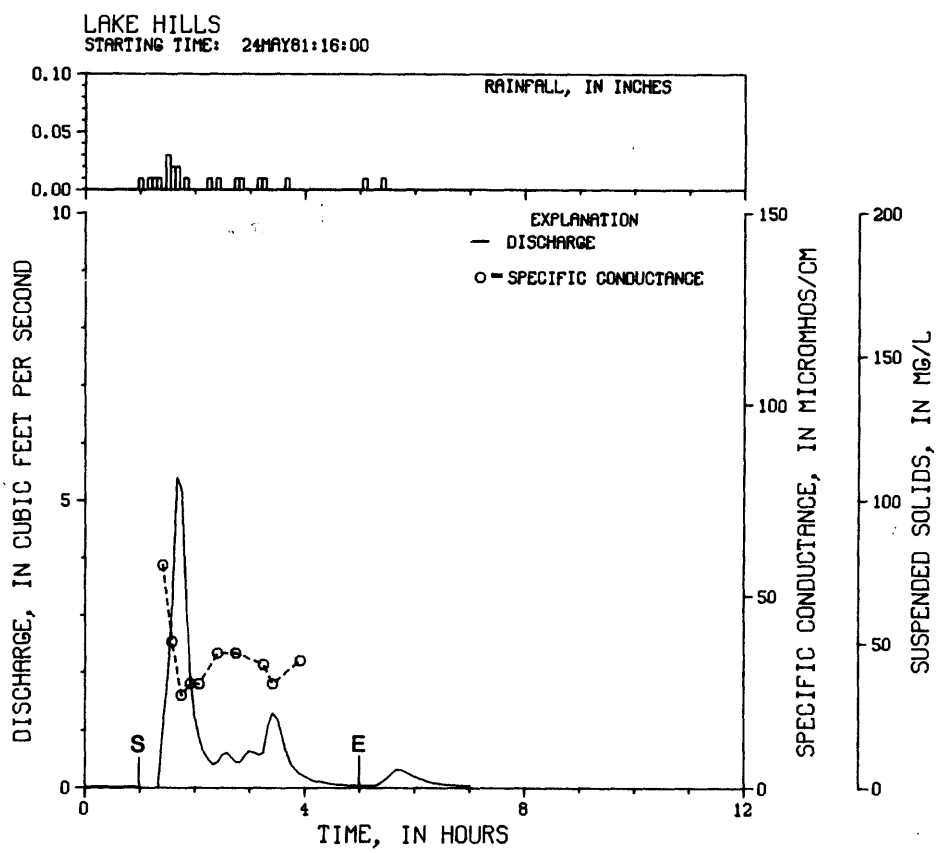
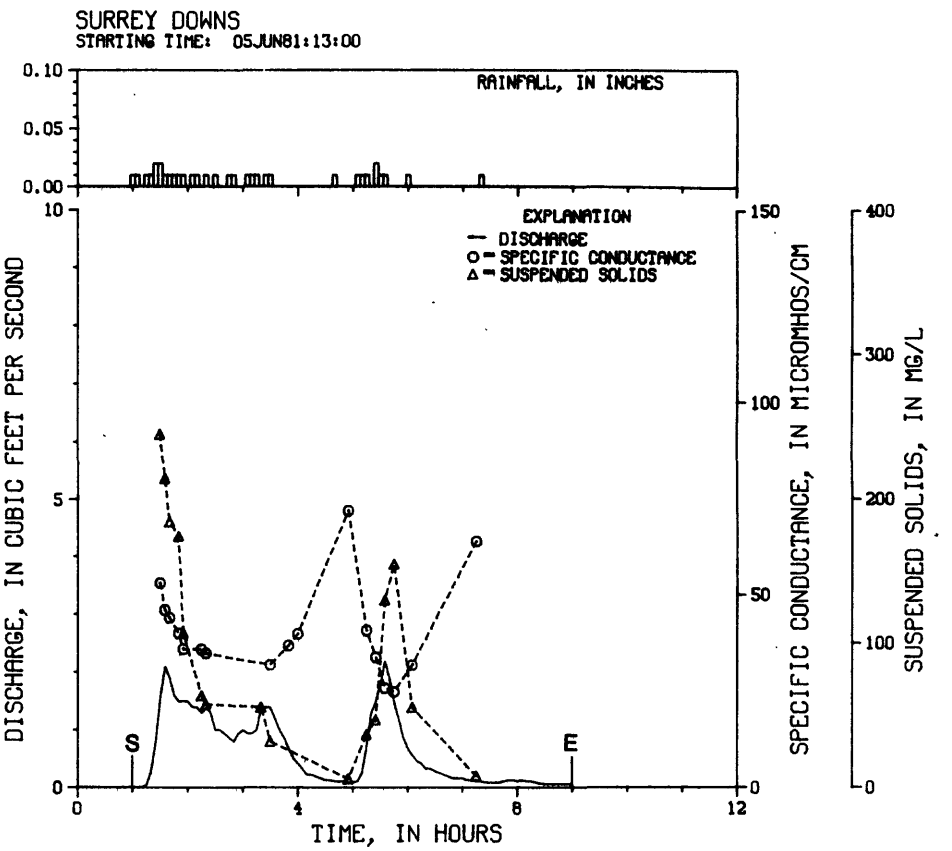


FIGURE 4.--Continued



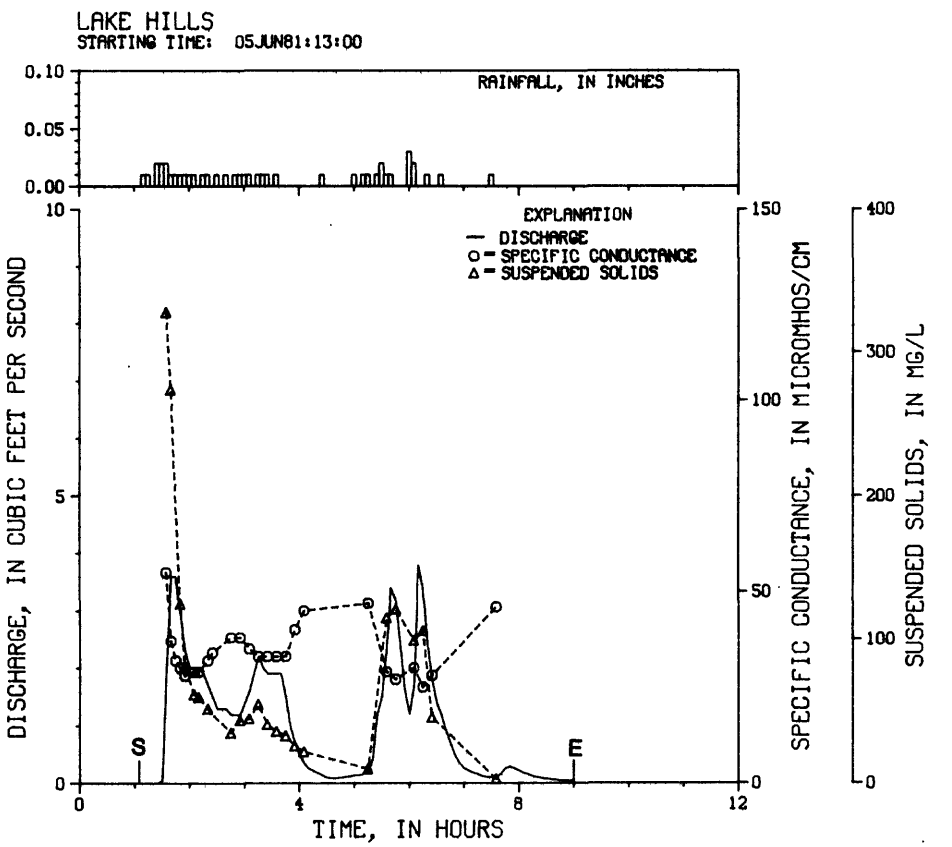
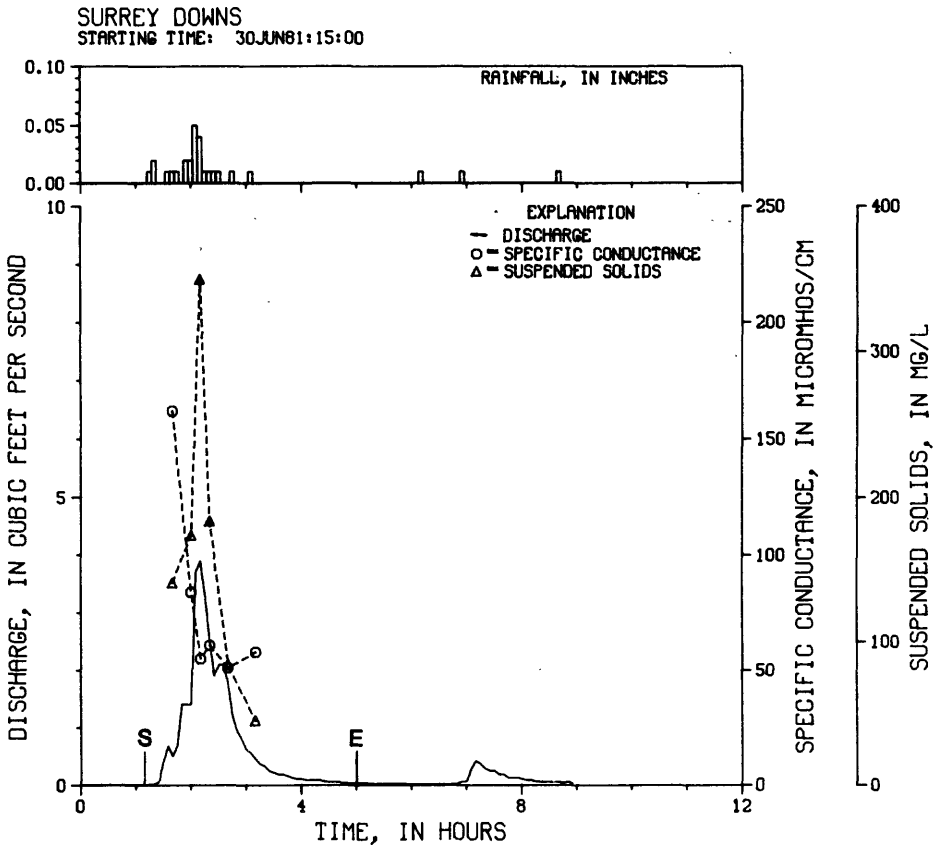


FIGURE 4.--Continued



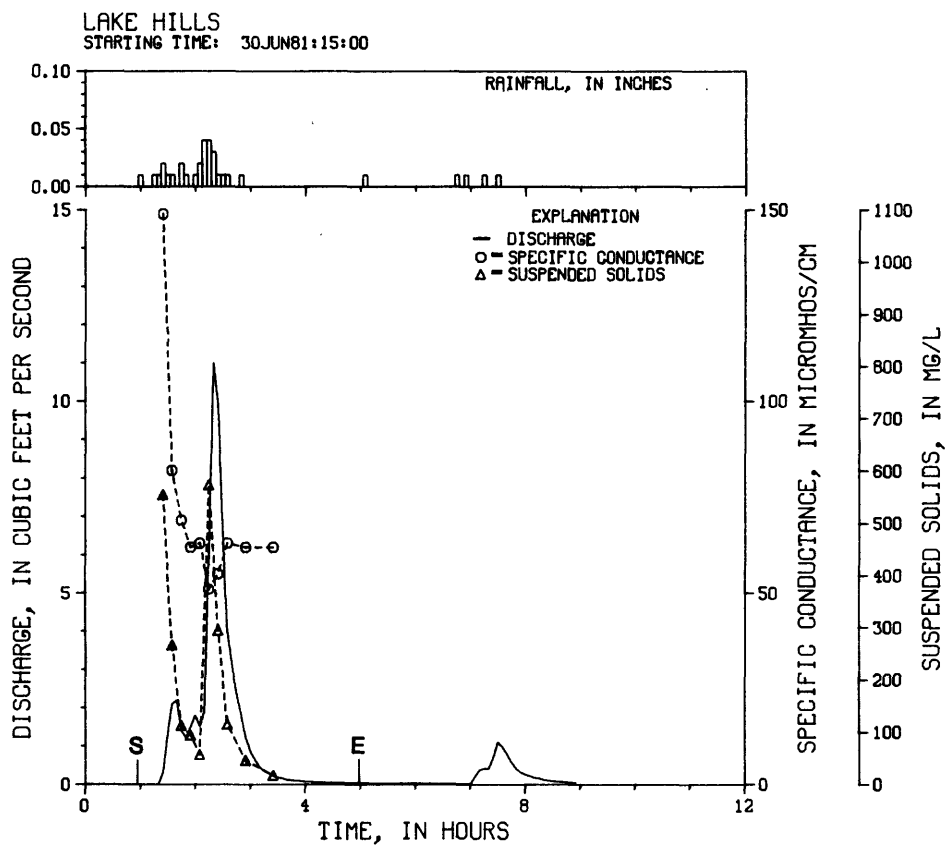
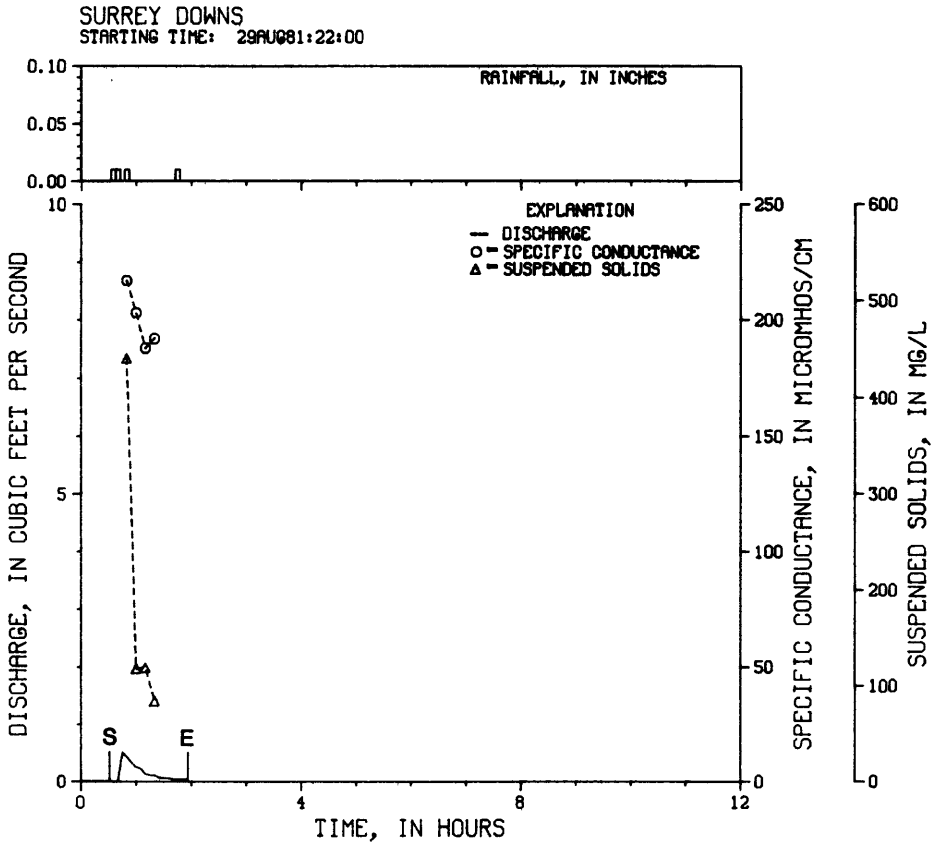


FIGURE 4.--Continued



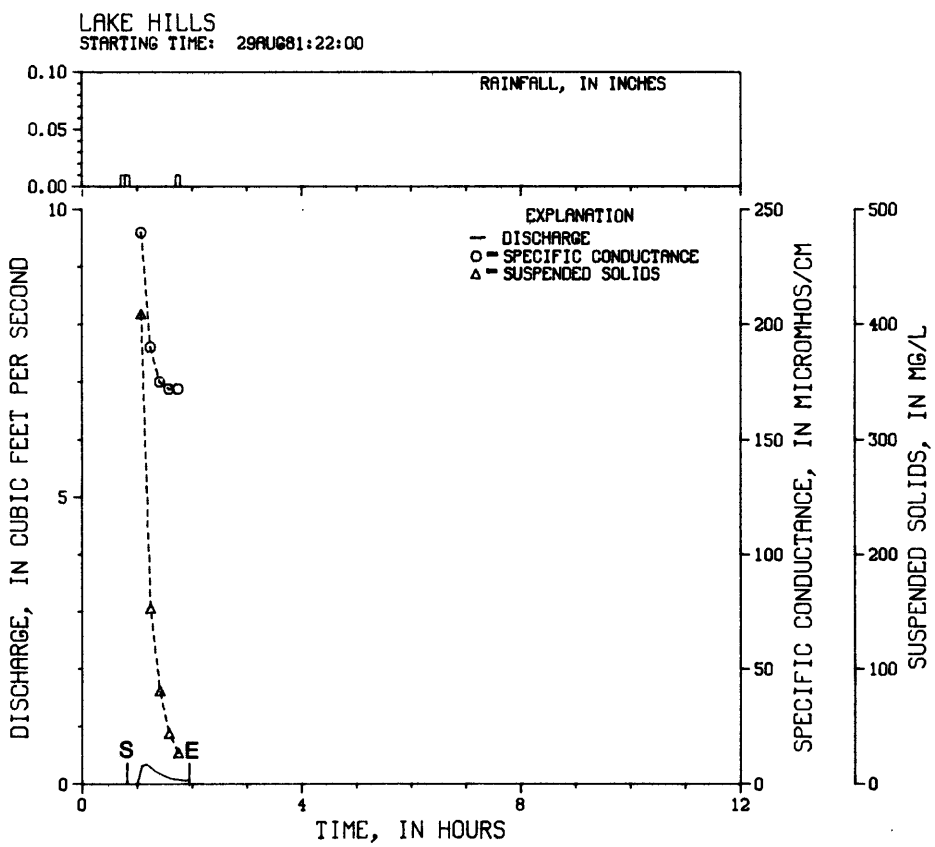
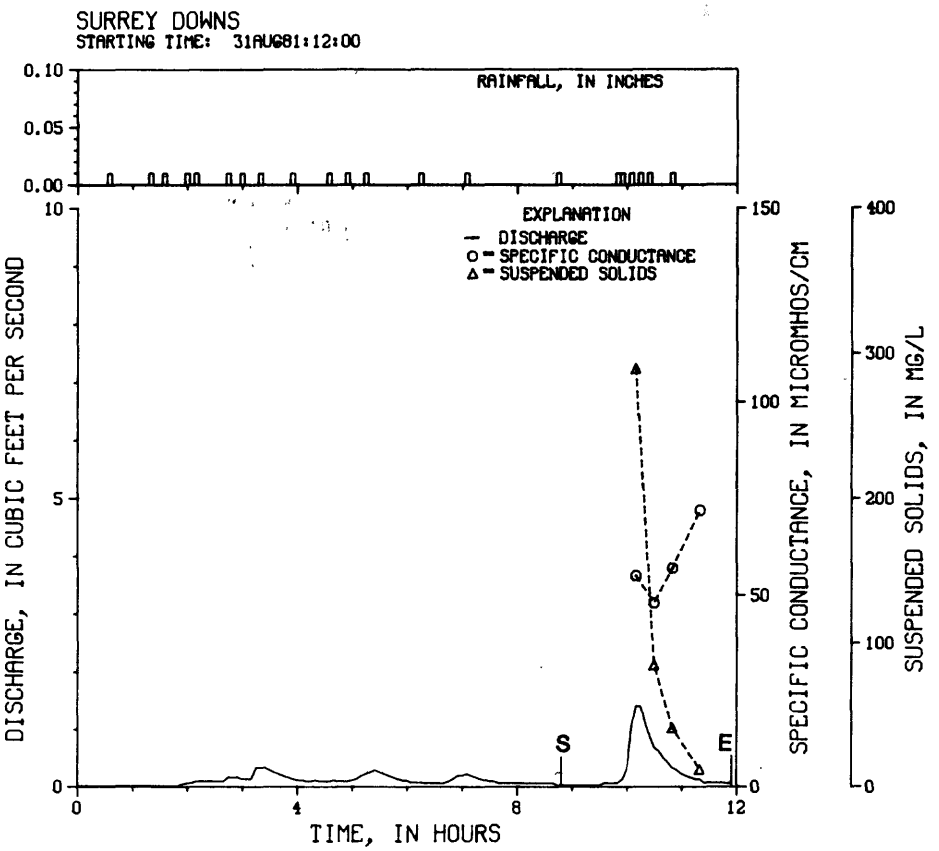


FIGURE 4.--Continued



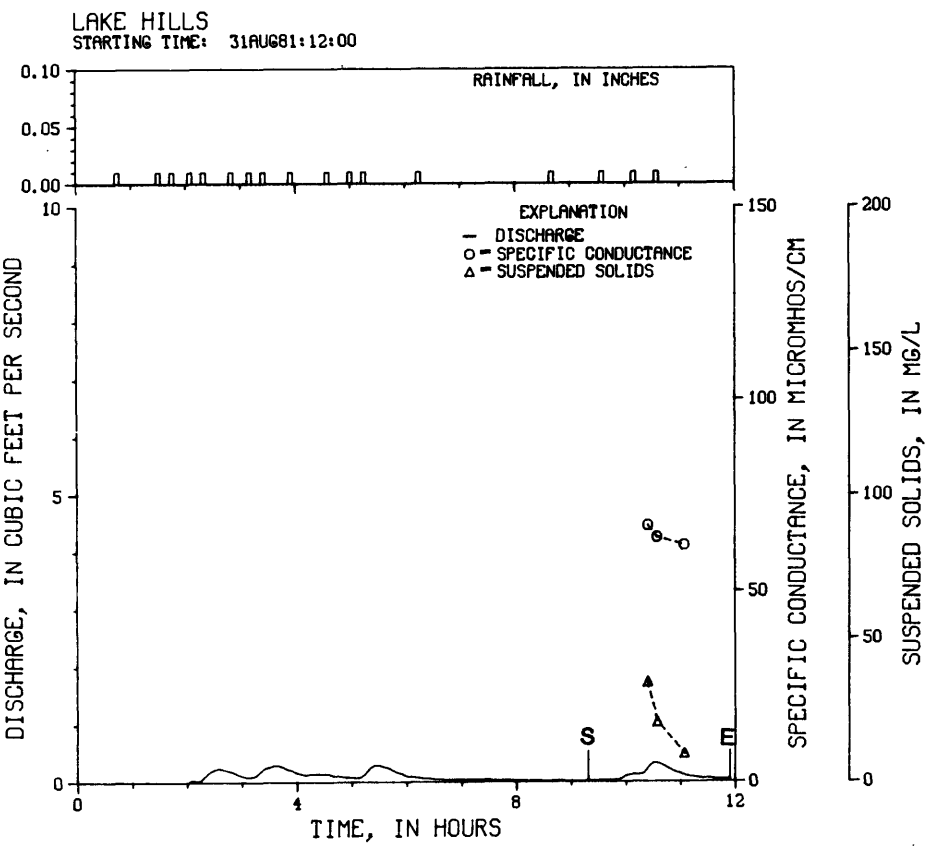
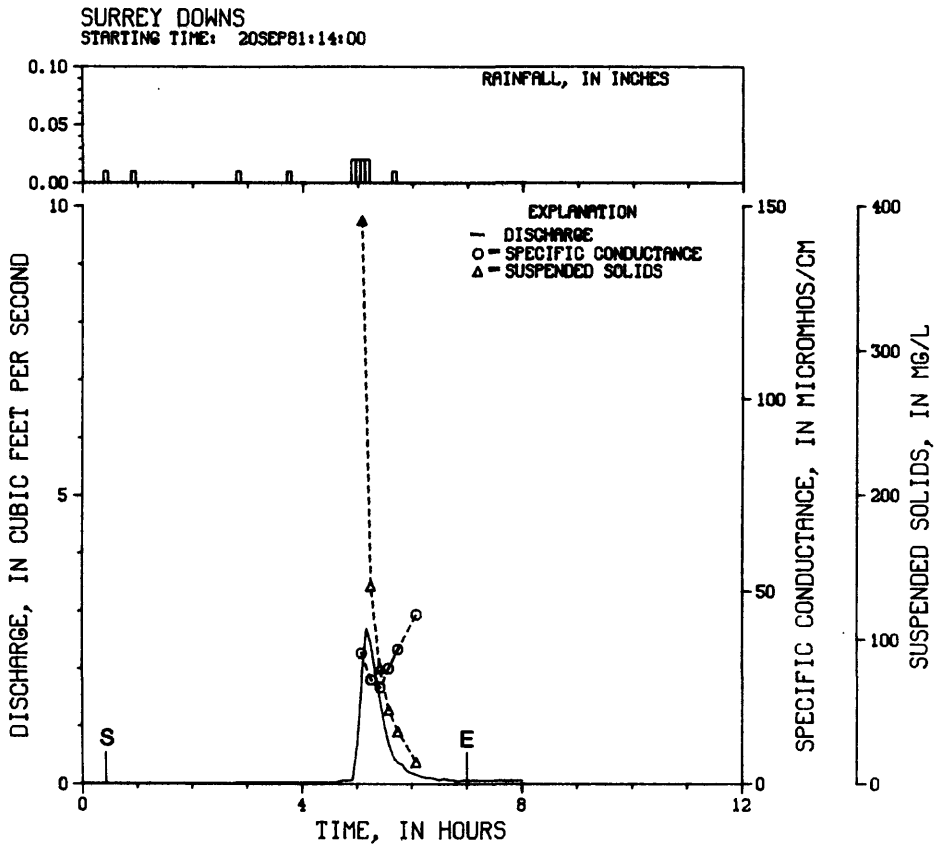
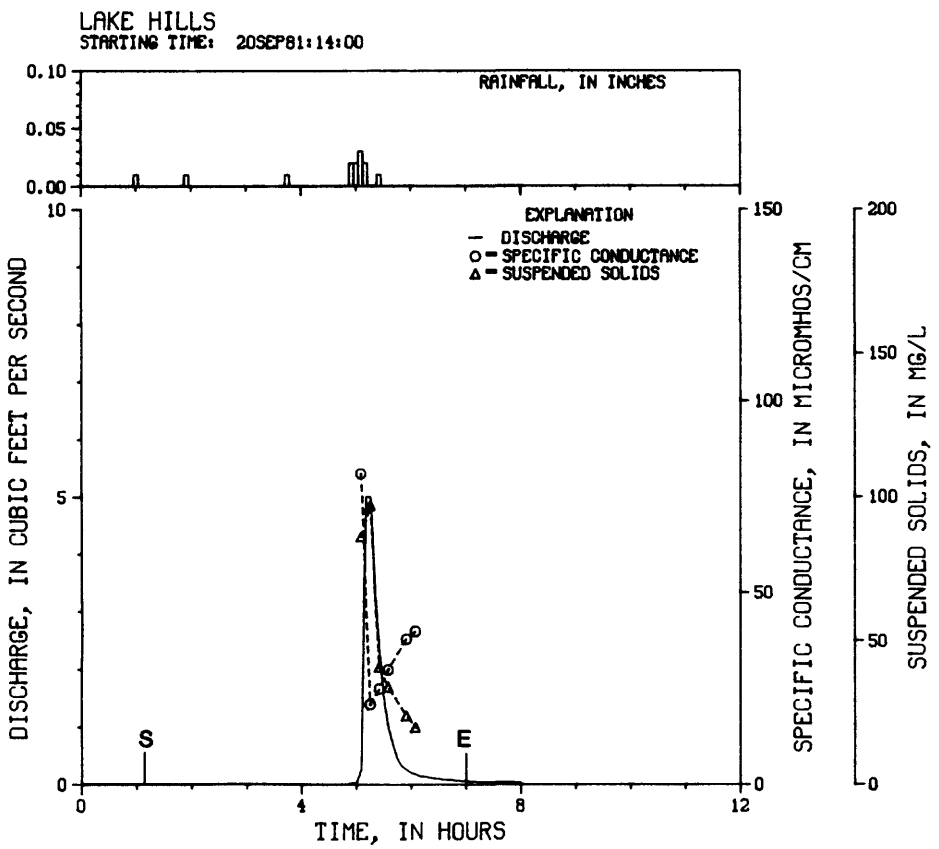


FIGURE 4.--Continued





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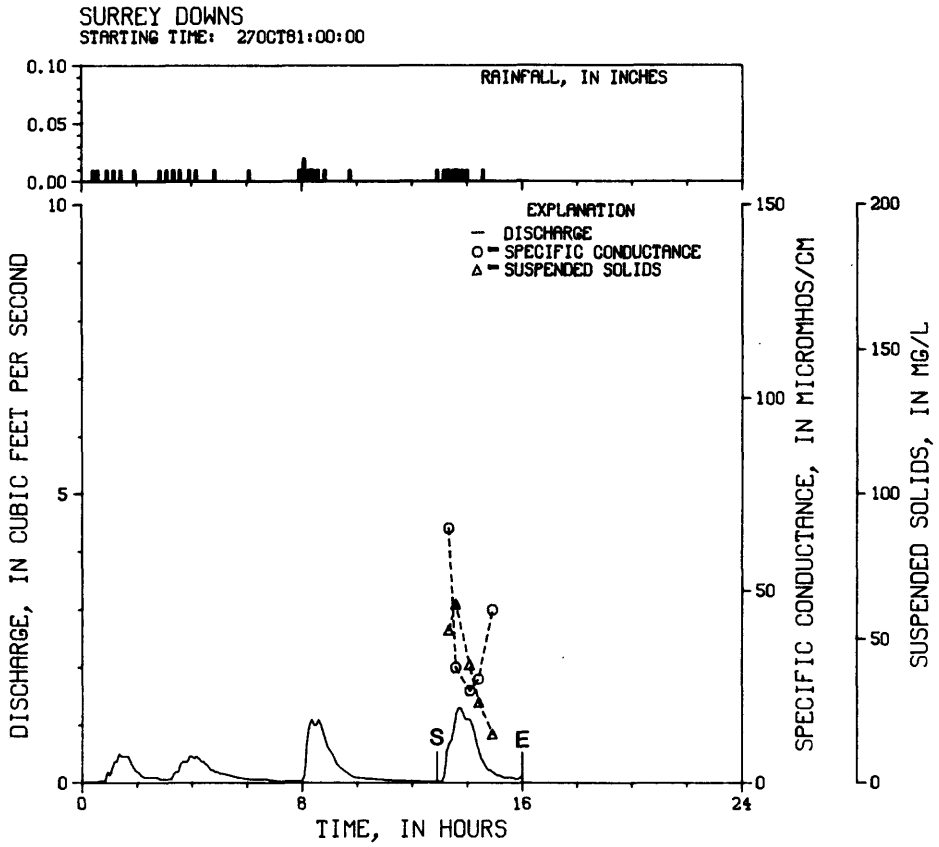


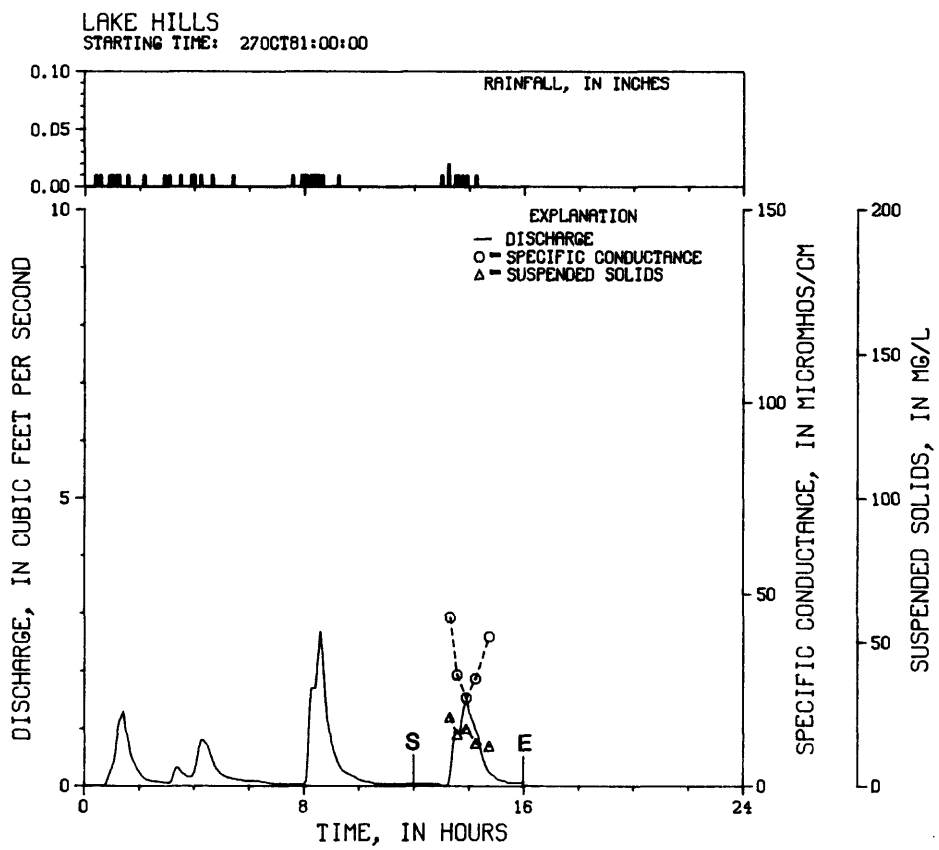
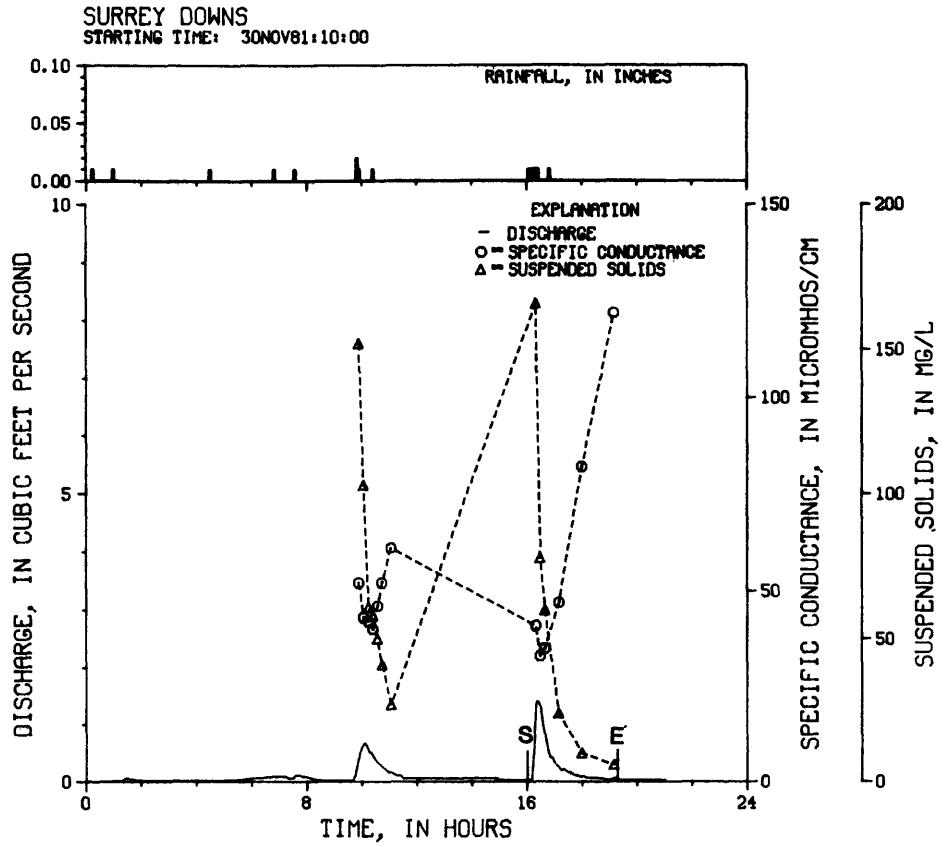


FIGURE 4.--Continued



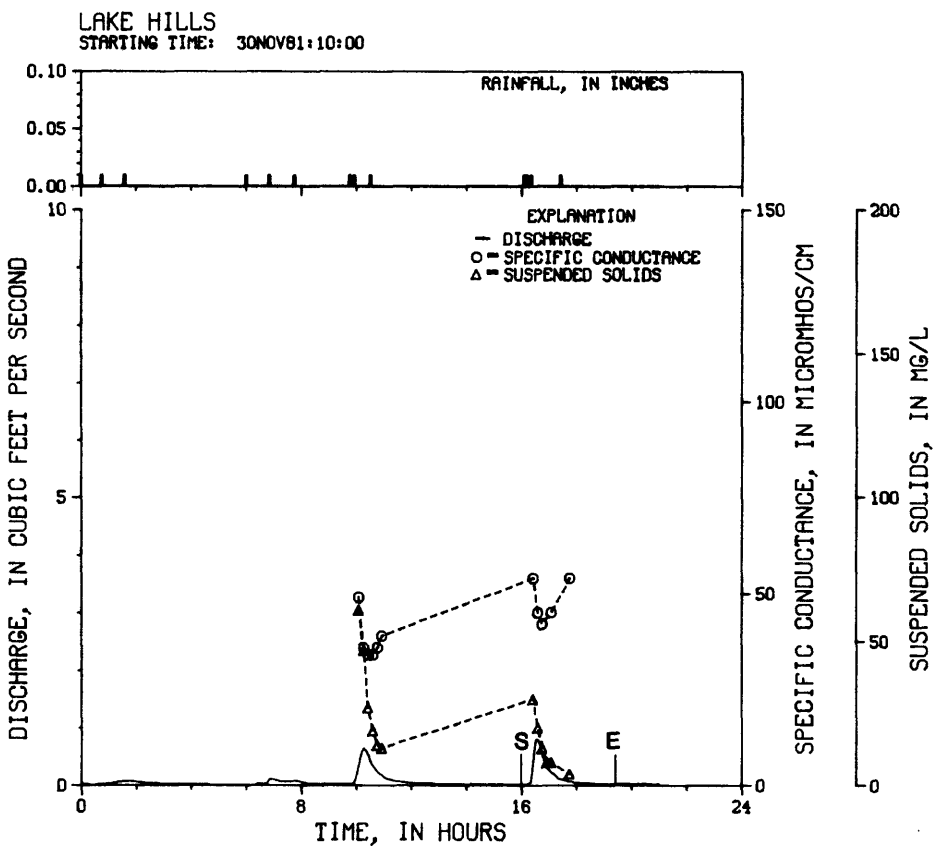
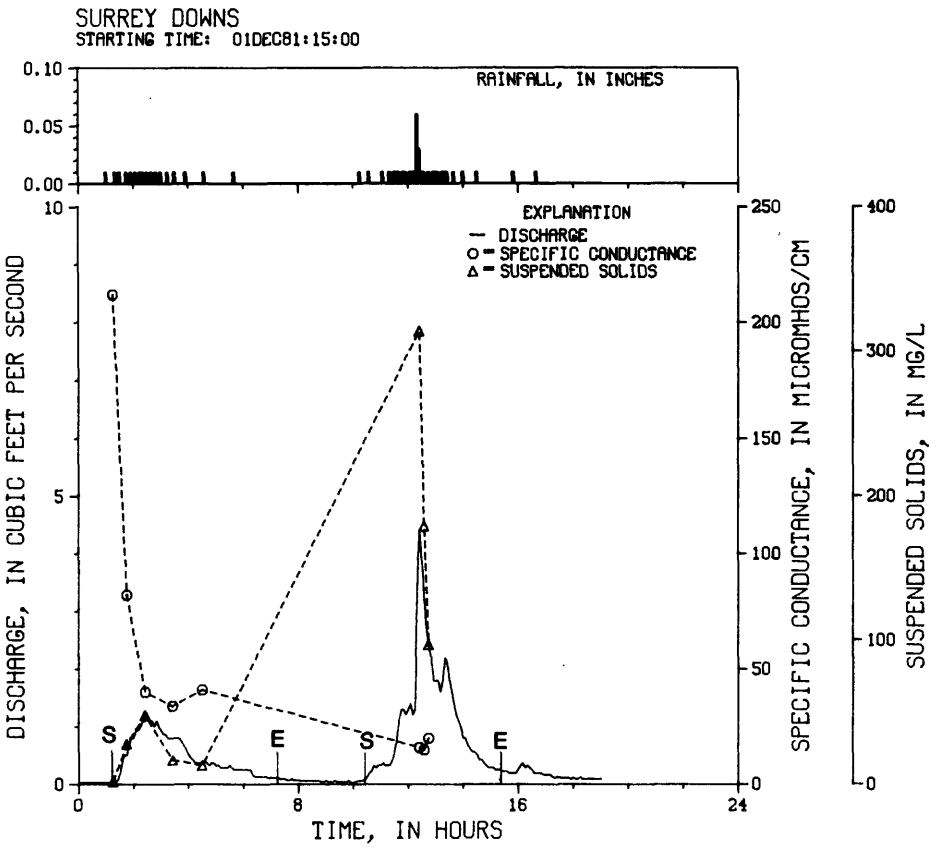


FIGURE 4.--Continued



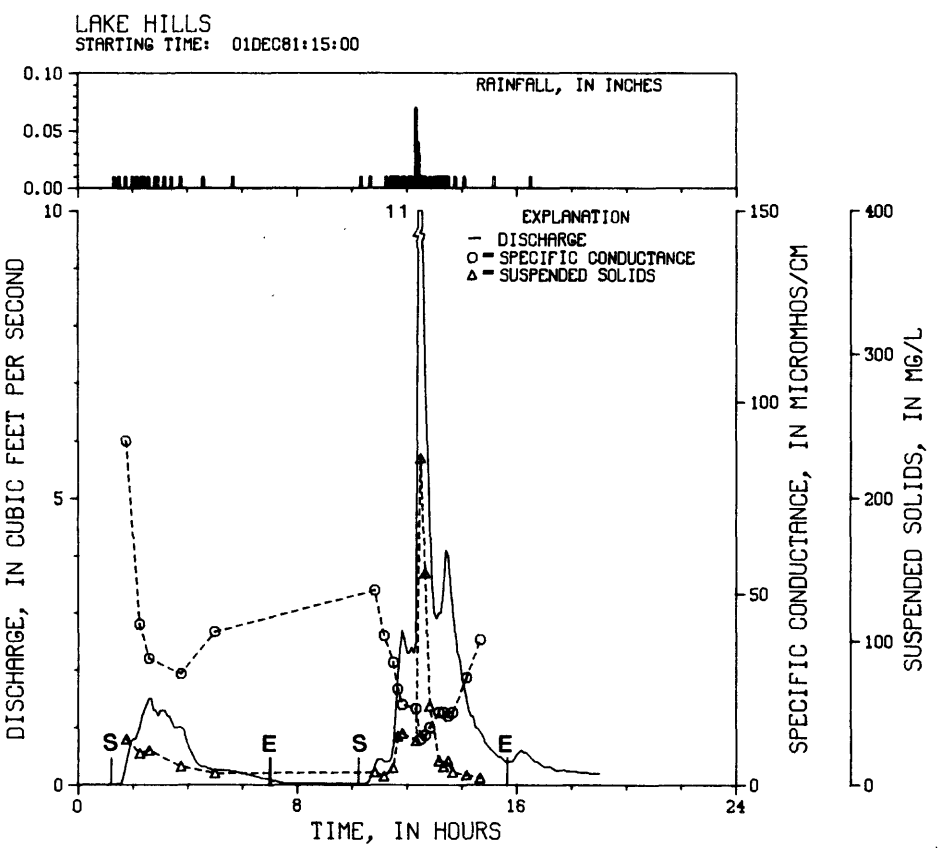
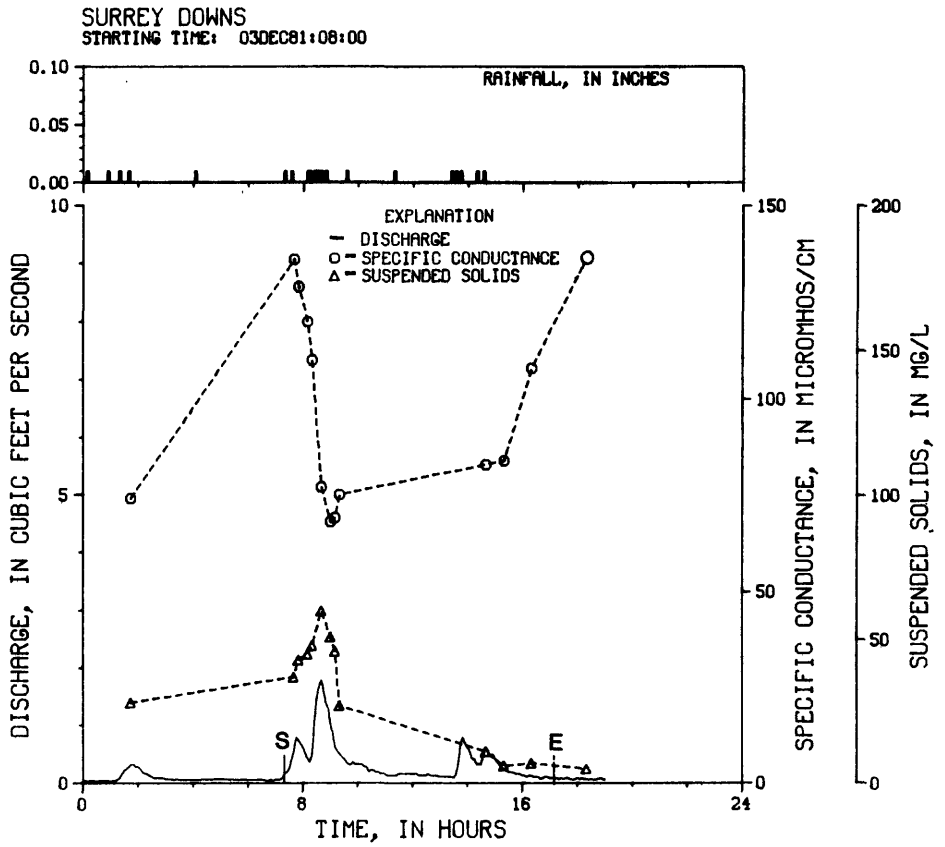


FIGURE 4.--Continued



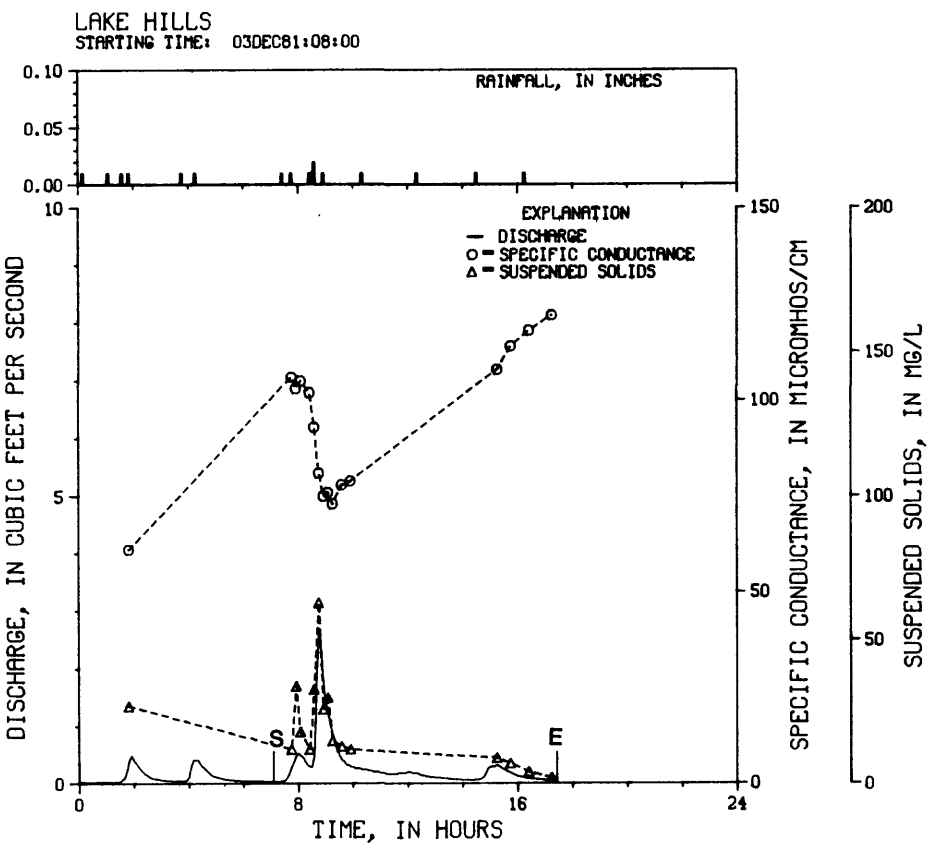
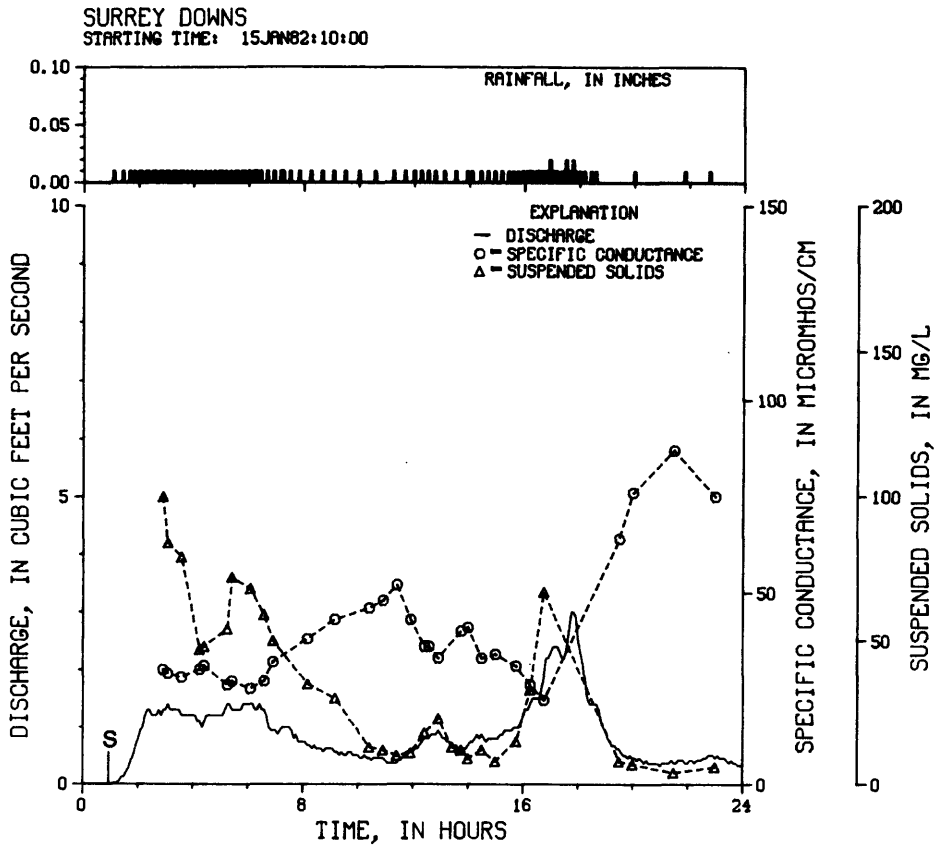


FIGURE 4.--Continued



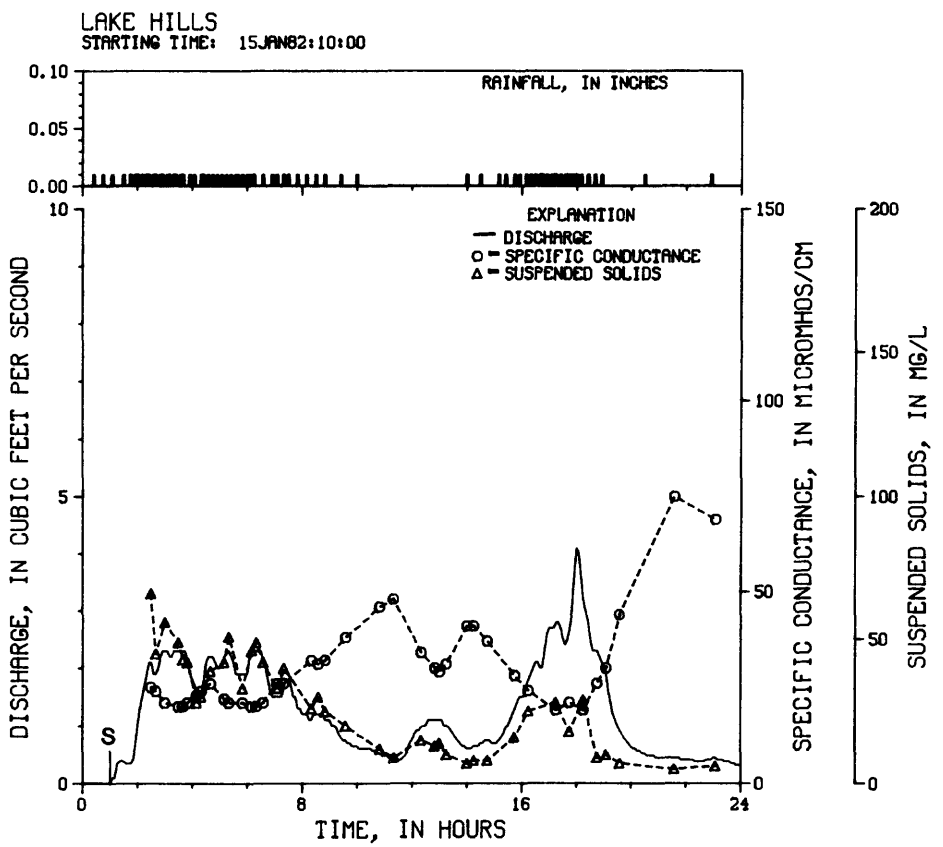
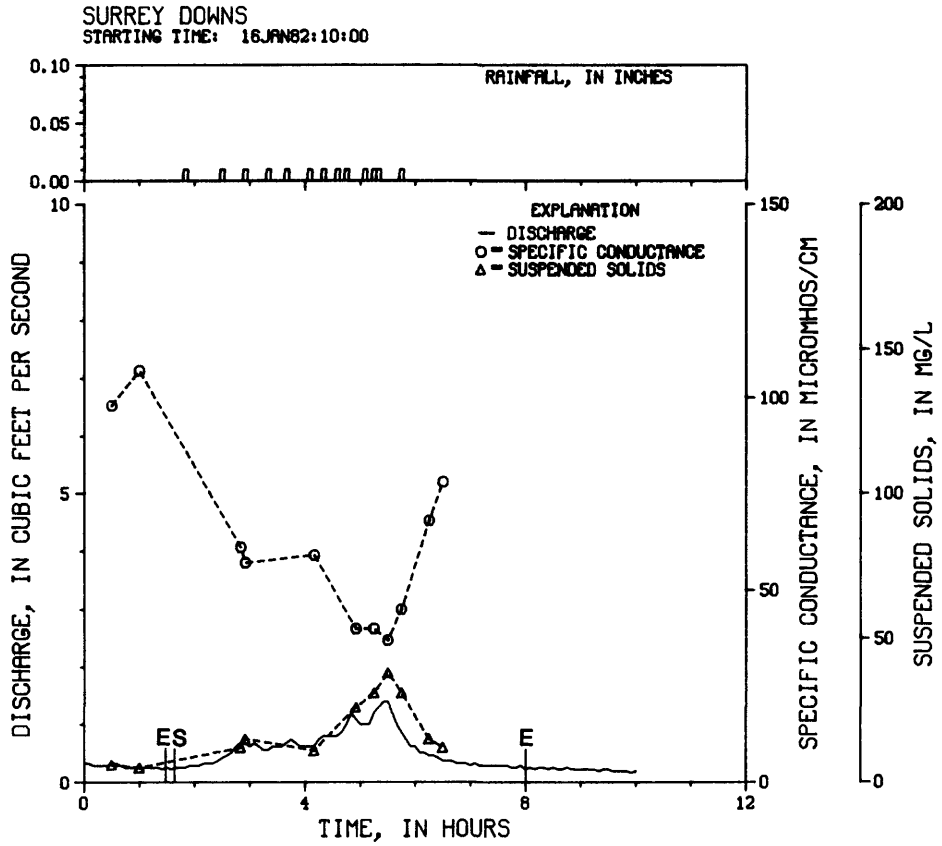
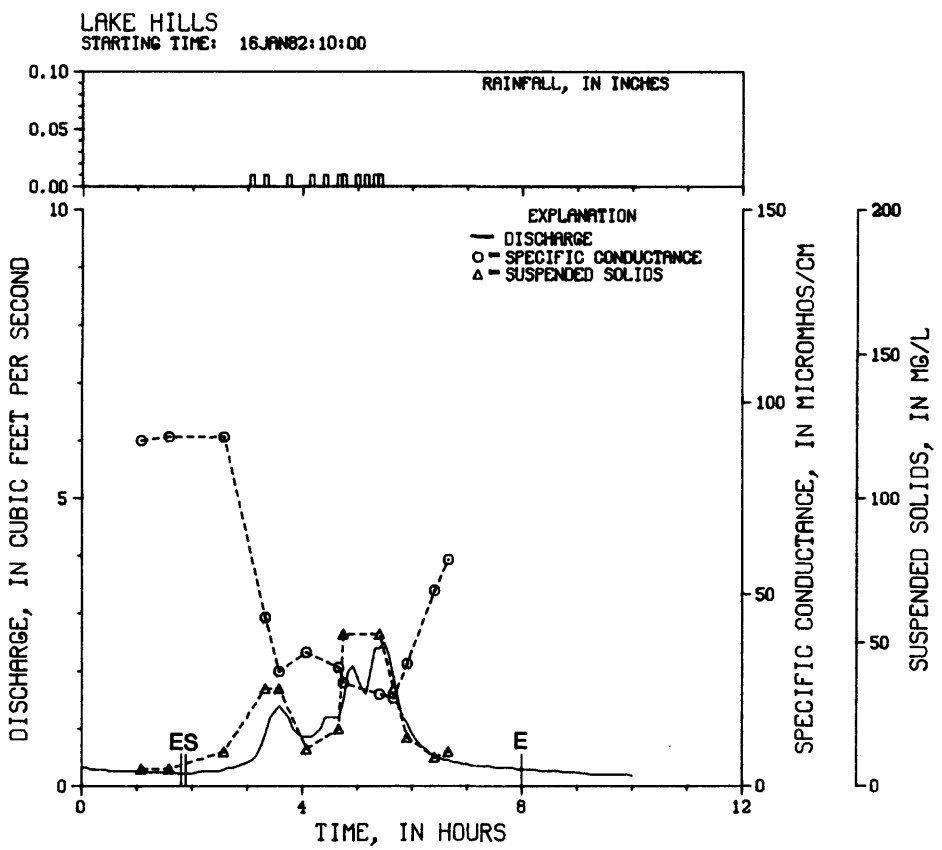


FIGURE 4.--Continued





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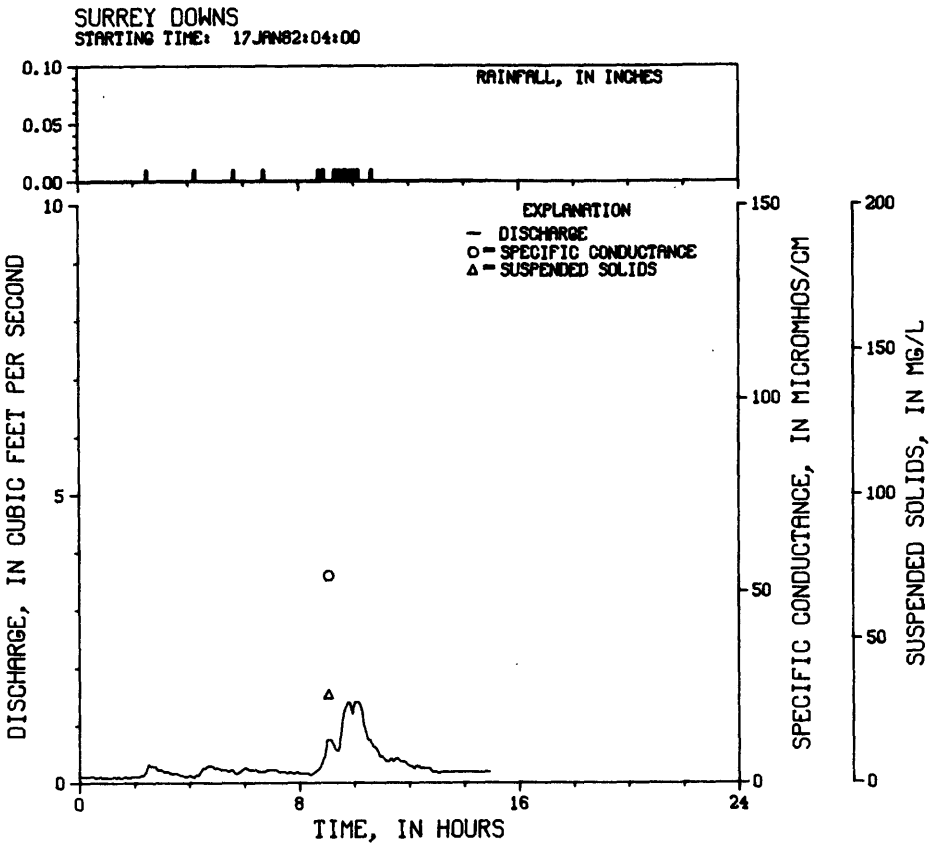


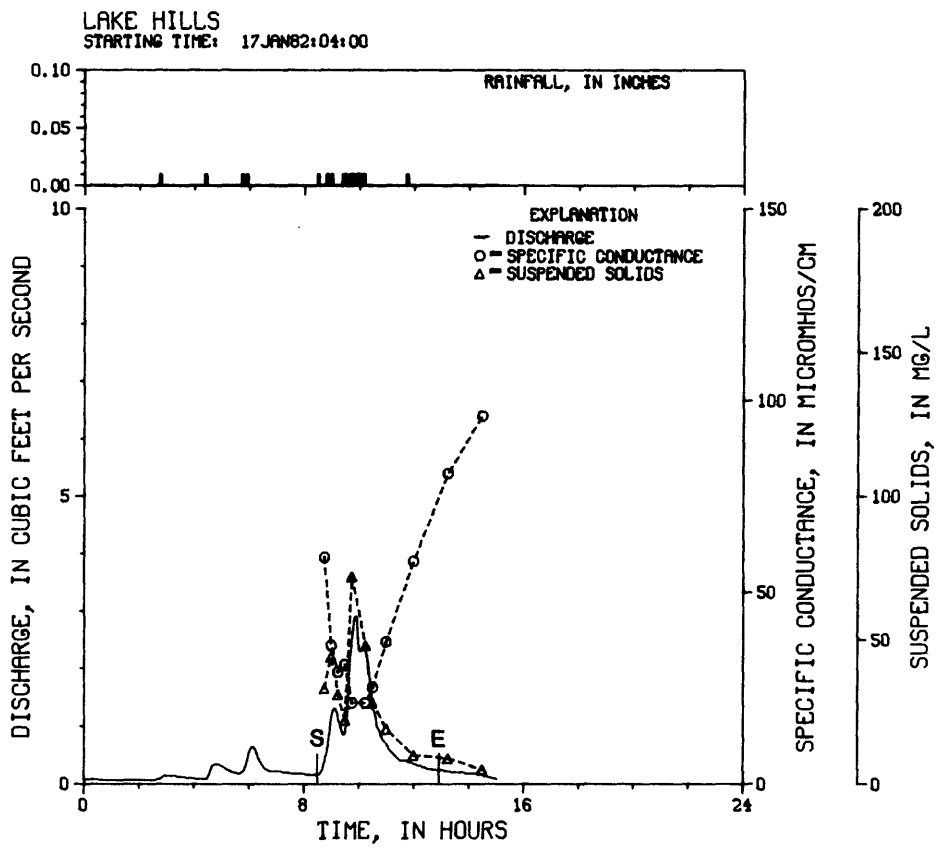


FIGURE 4.--Continued

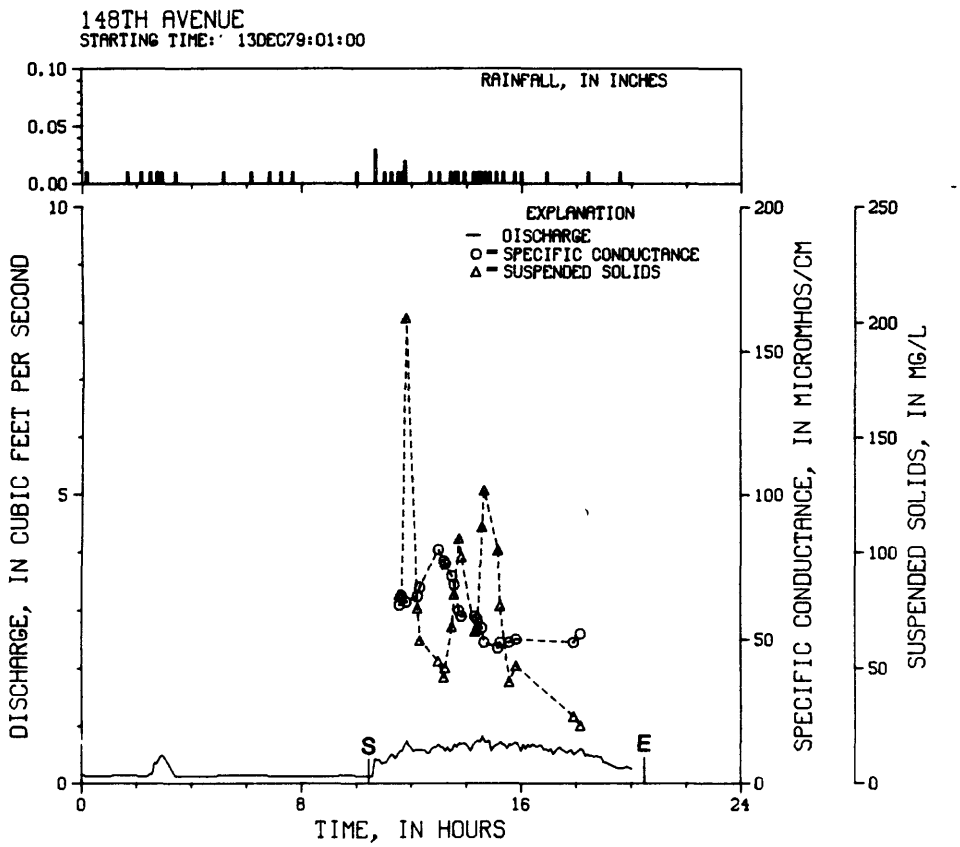
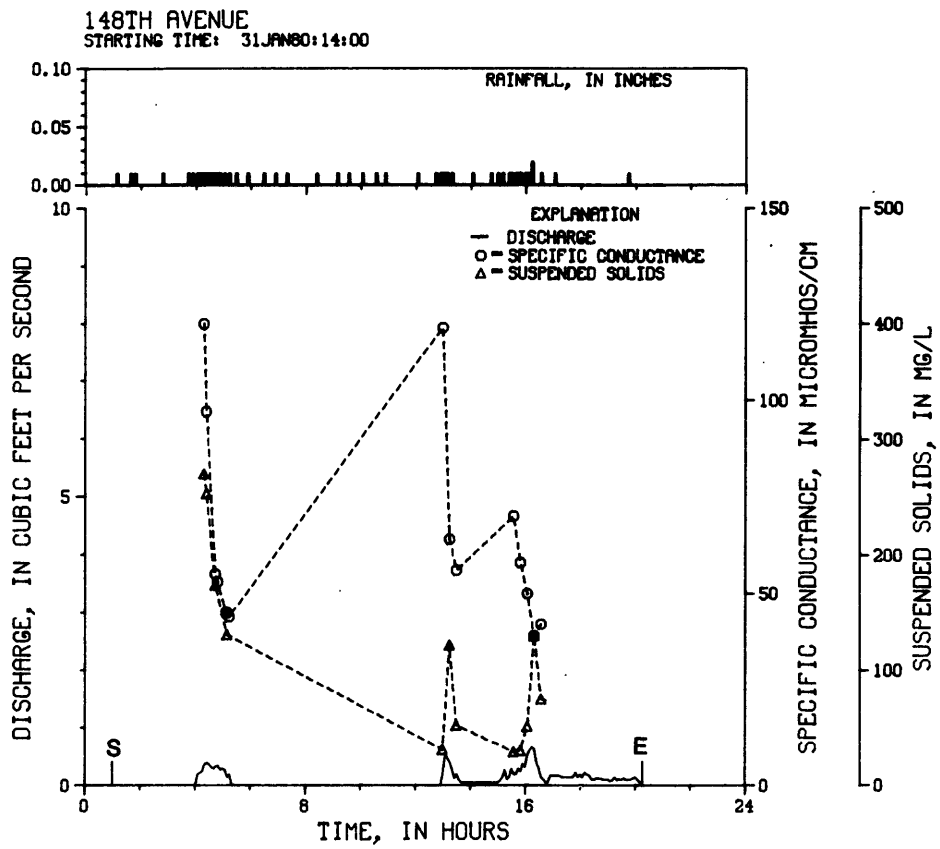


FIGURE 5.--Rainfall, runoff, specific conductance, and suspended-solids concentrations in runoff sampled from the 148th Avenue S.E. catchment. Periods for which constituent loads were calculated are bracketed with: S = start, E = end.



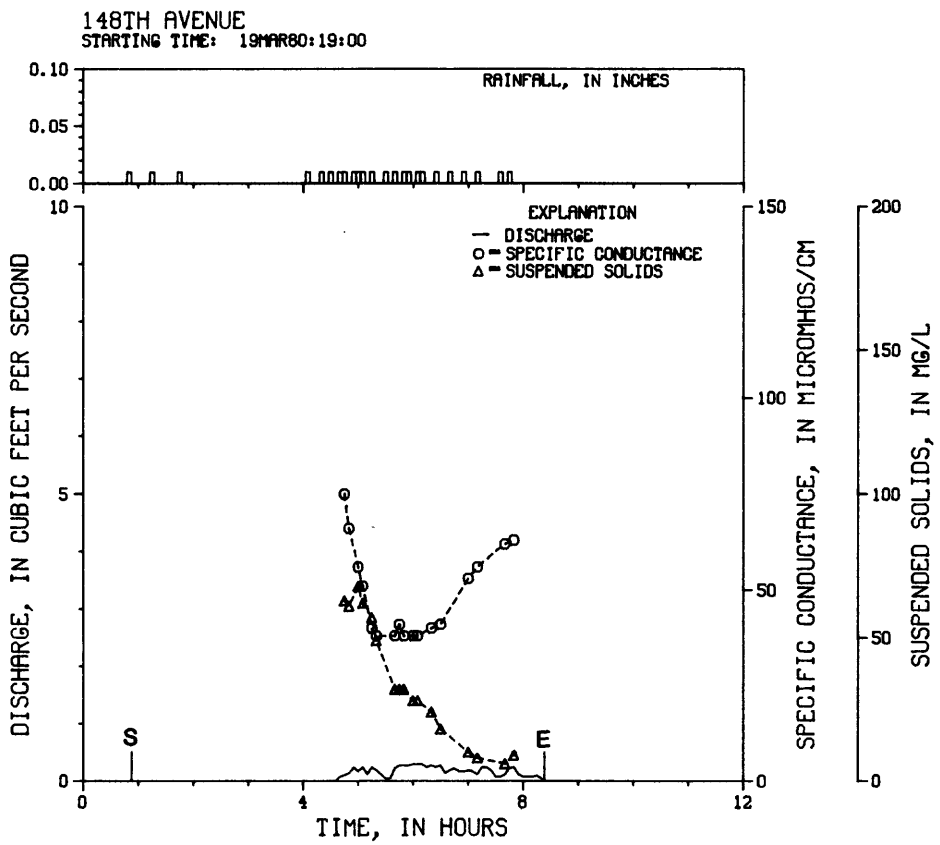
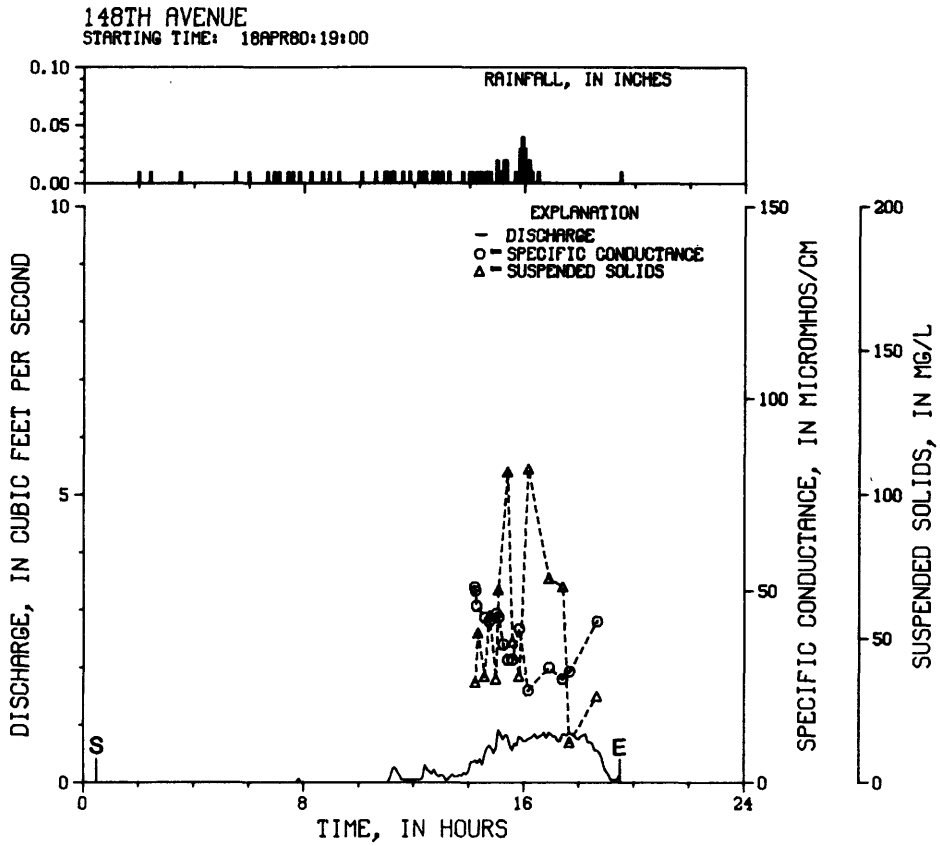


FIGURE 5.--Continued



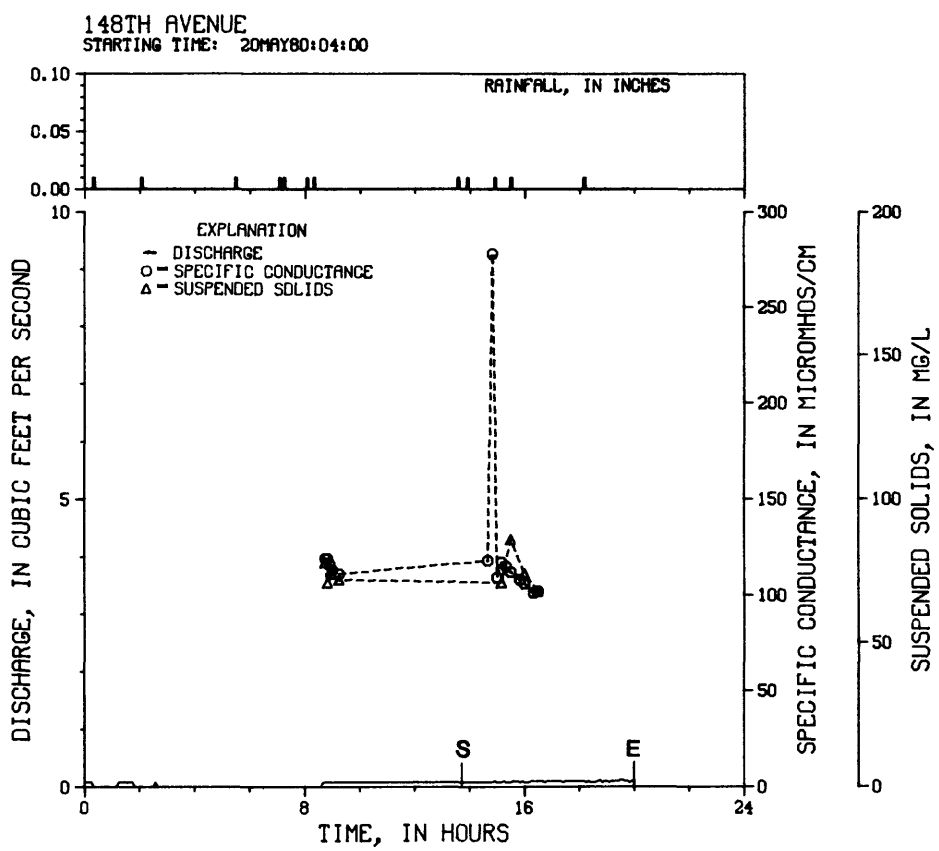
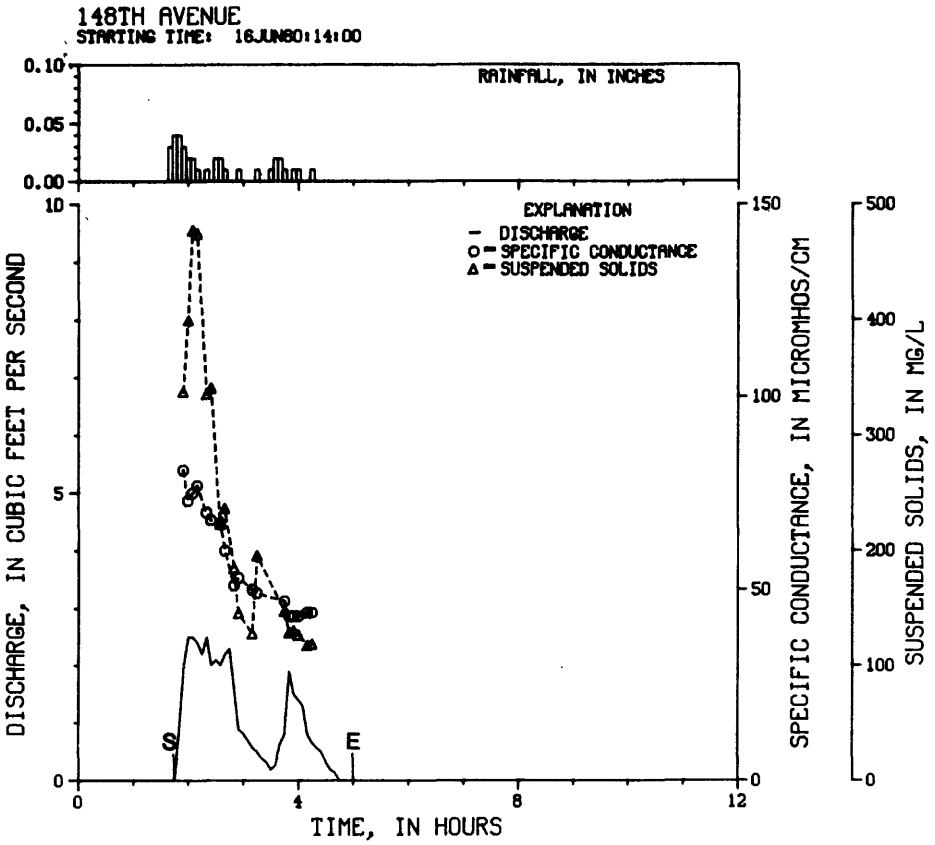


FIGURE 5.--Continued



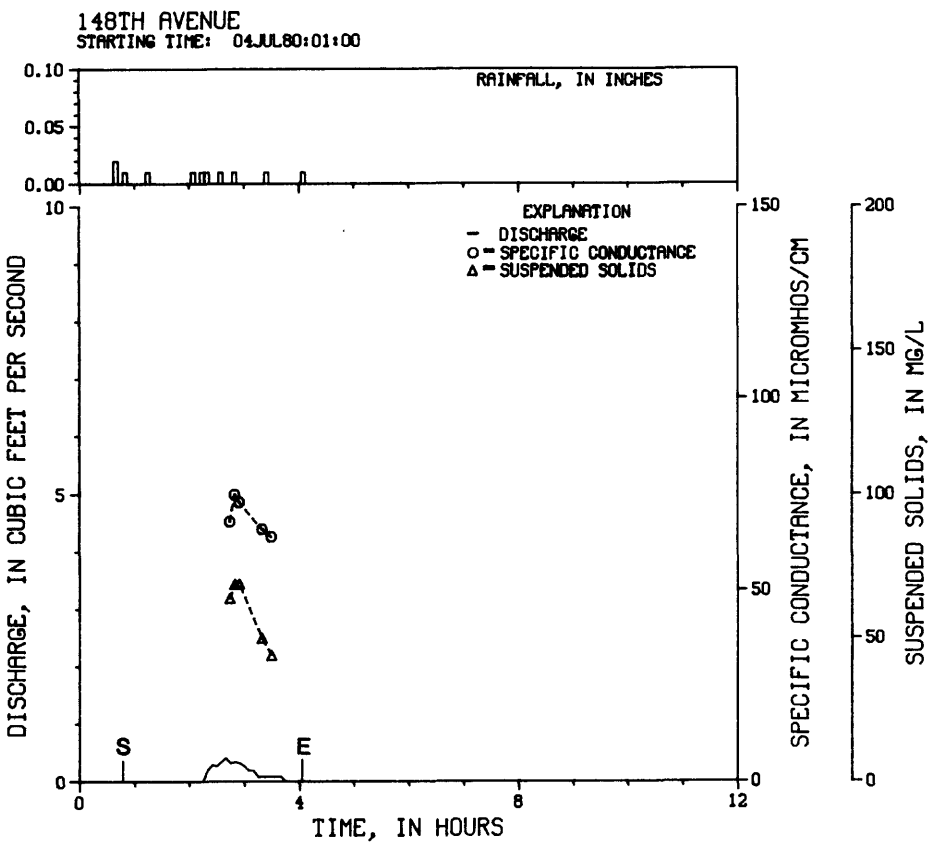
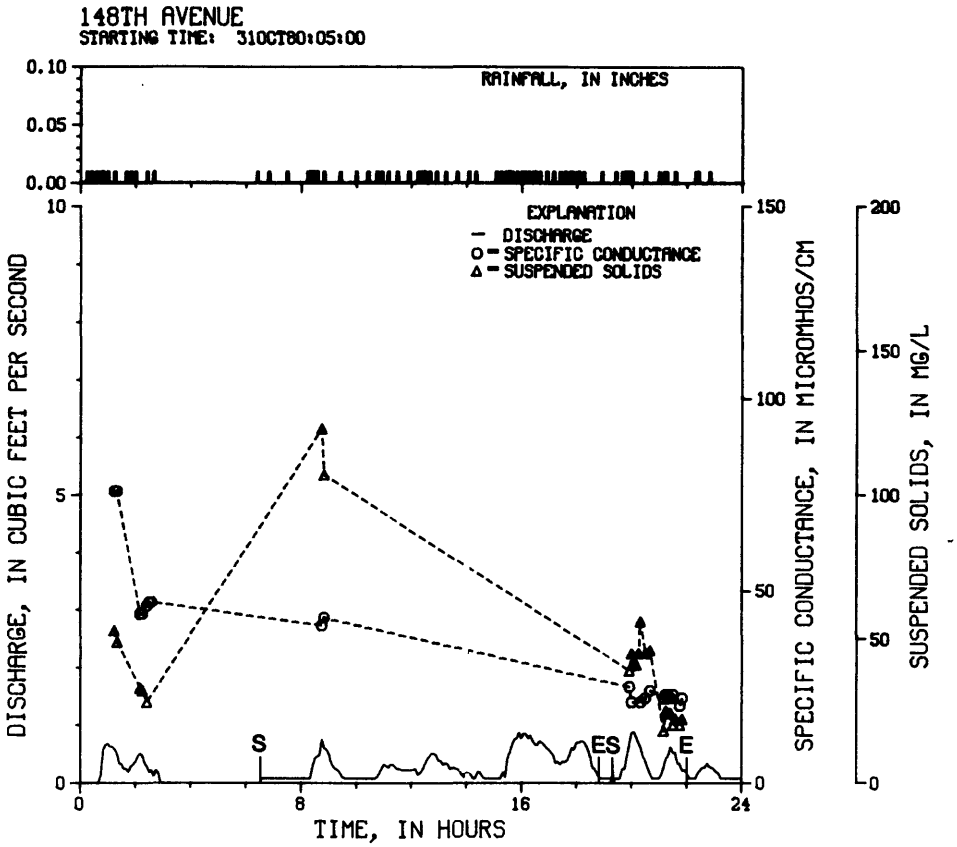


FIGURE 5.--Continued



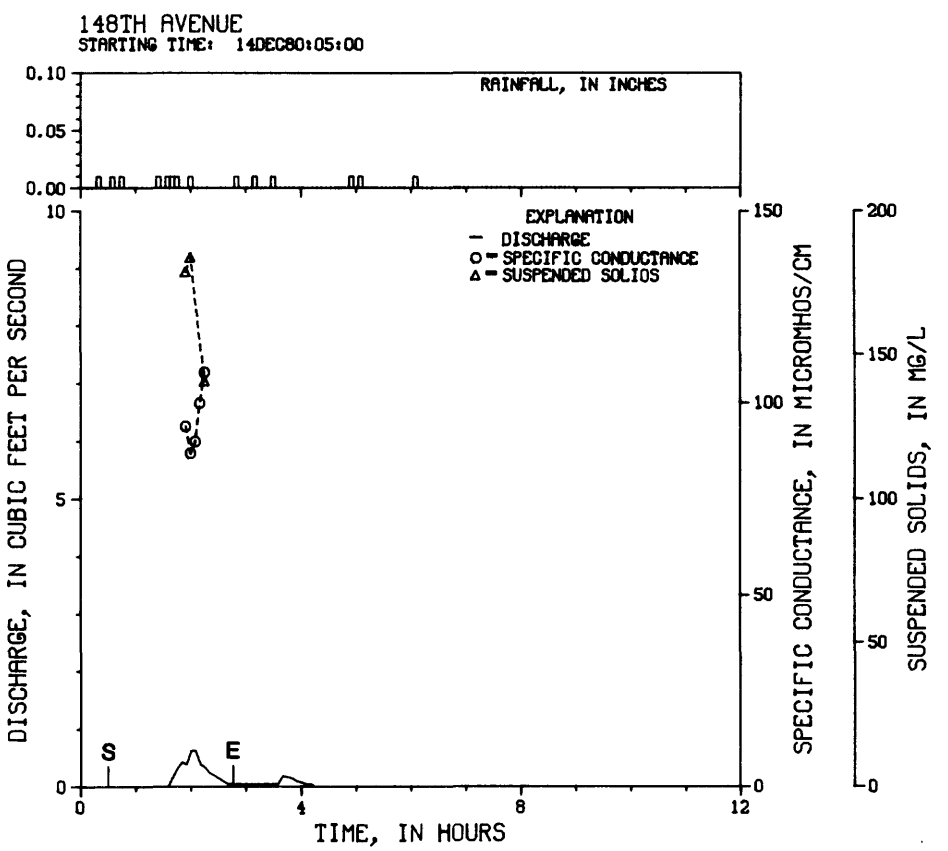
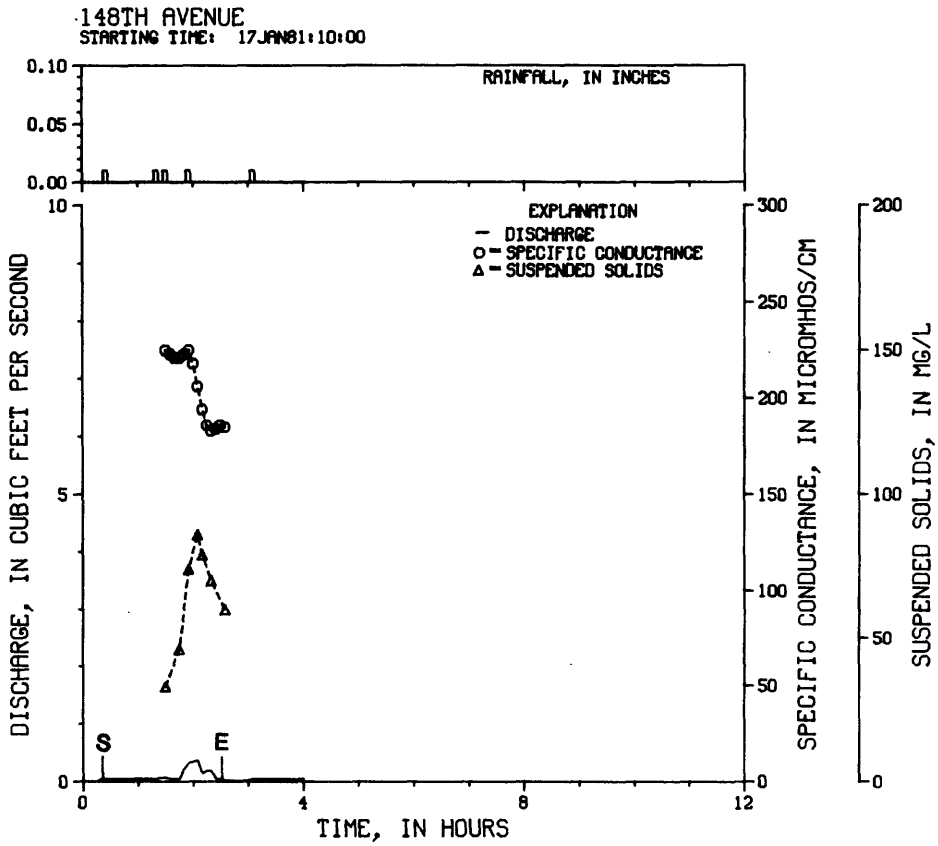


FIGURE 5.--Continued



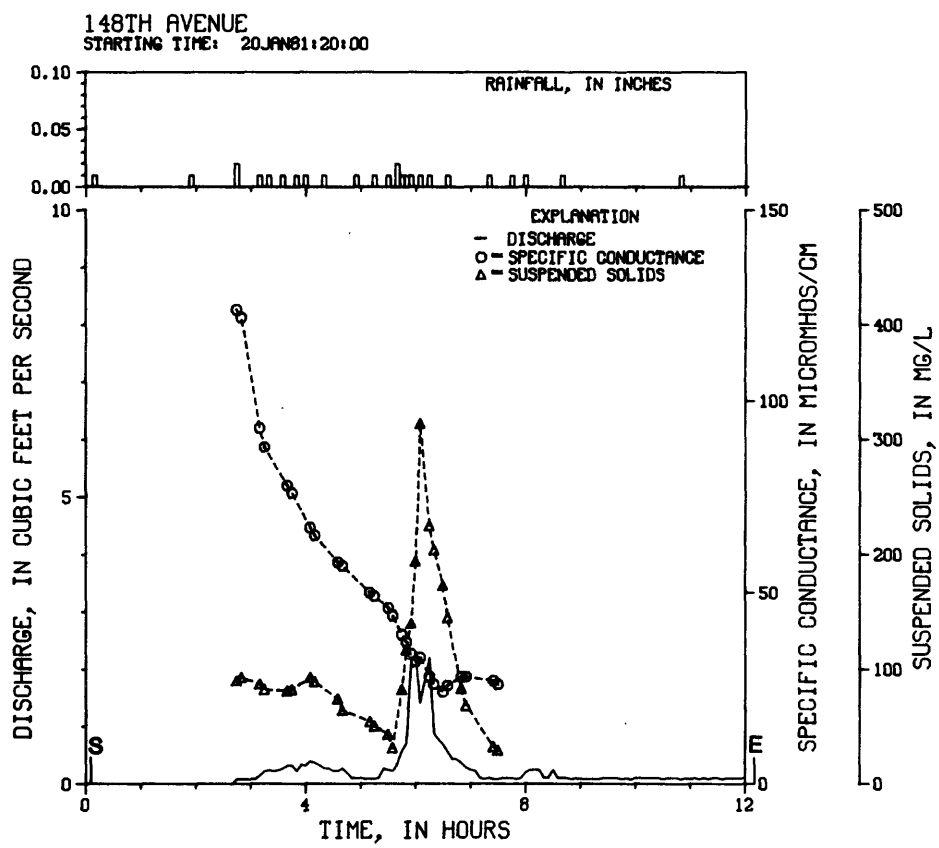
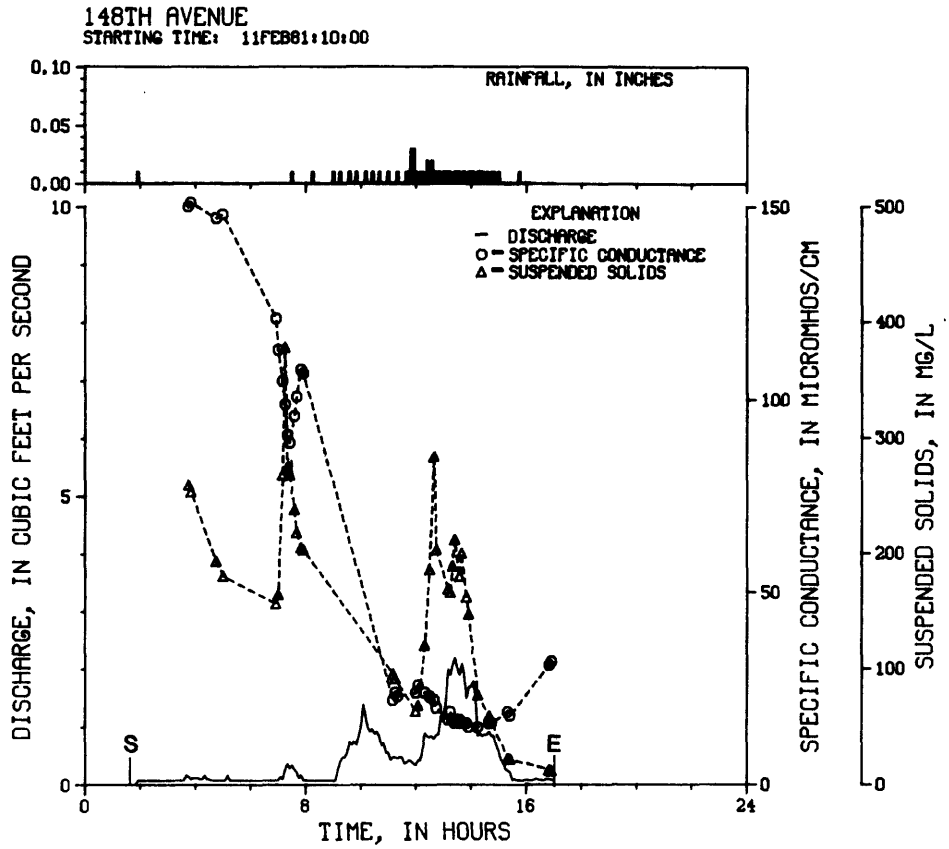


FIGURE 5.--Continued



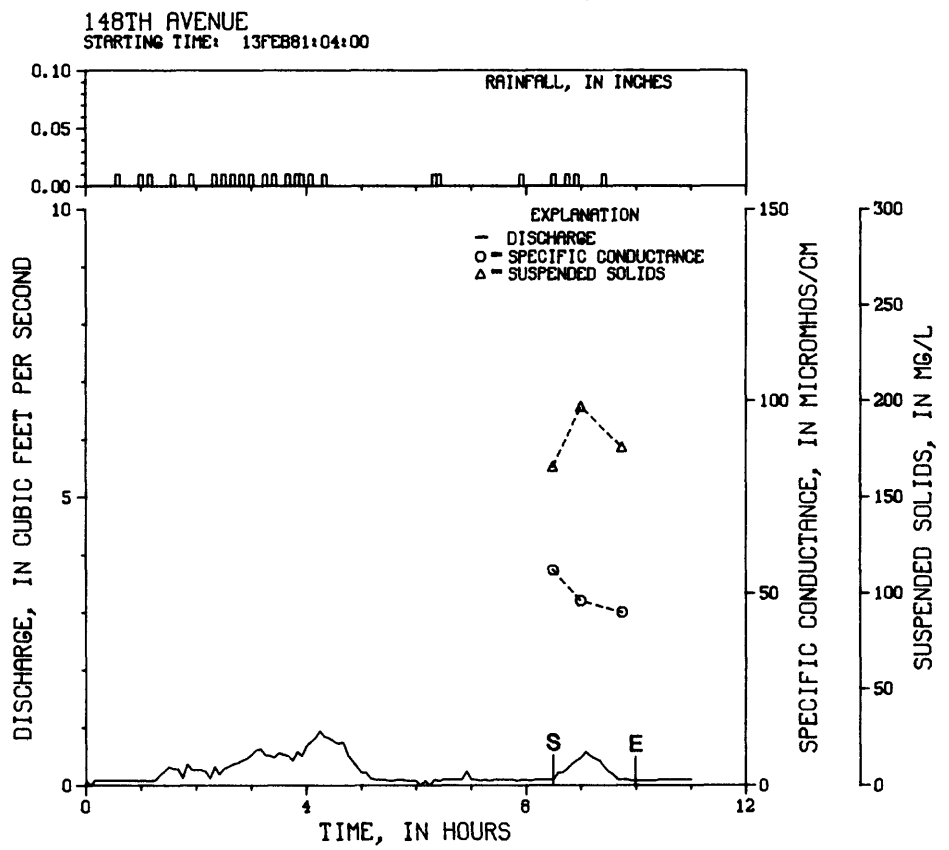
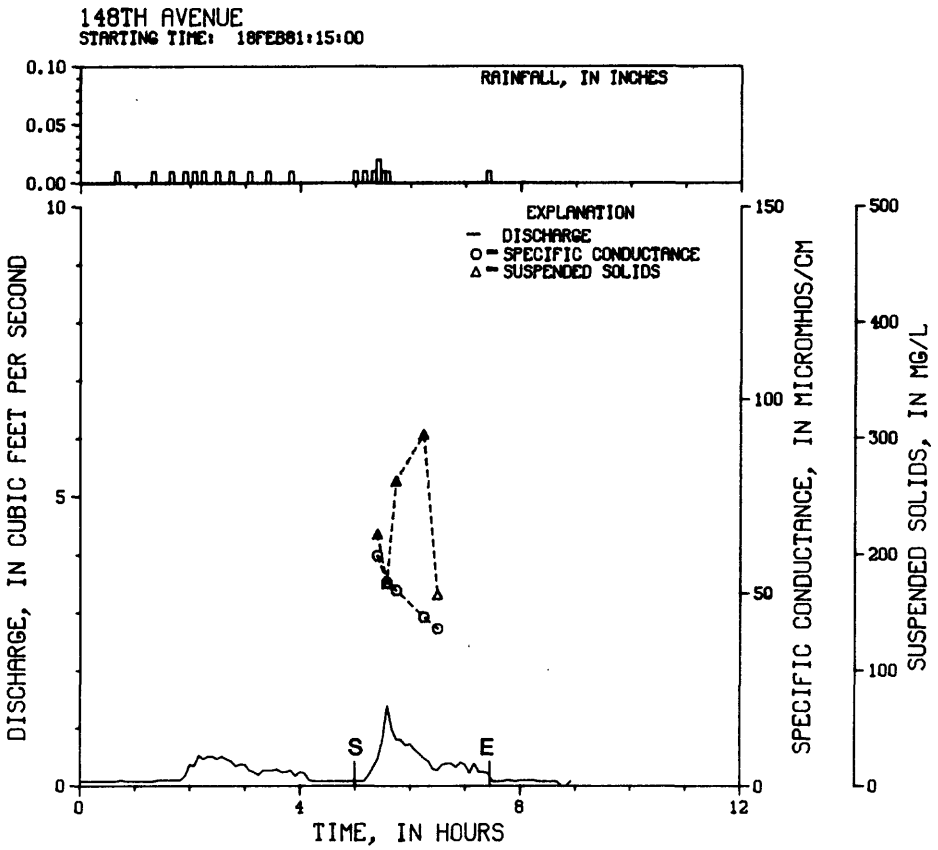


FIGURE 5.--Continued



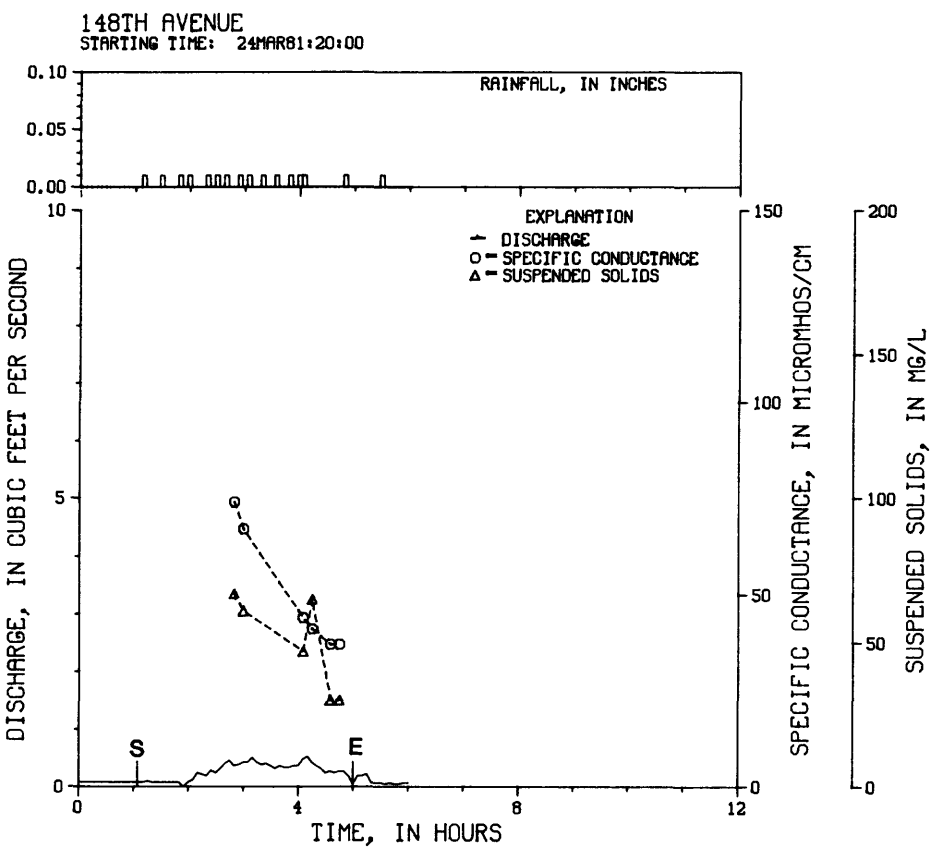
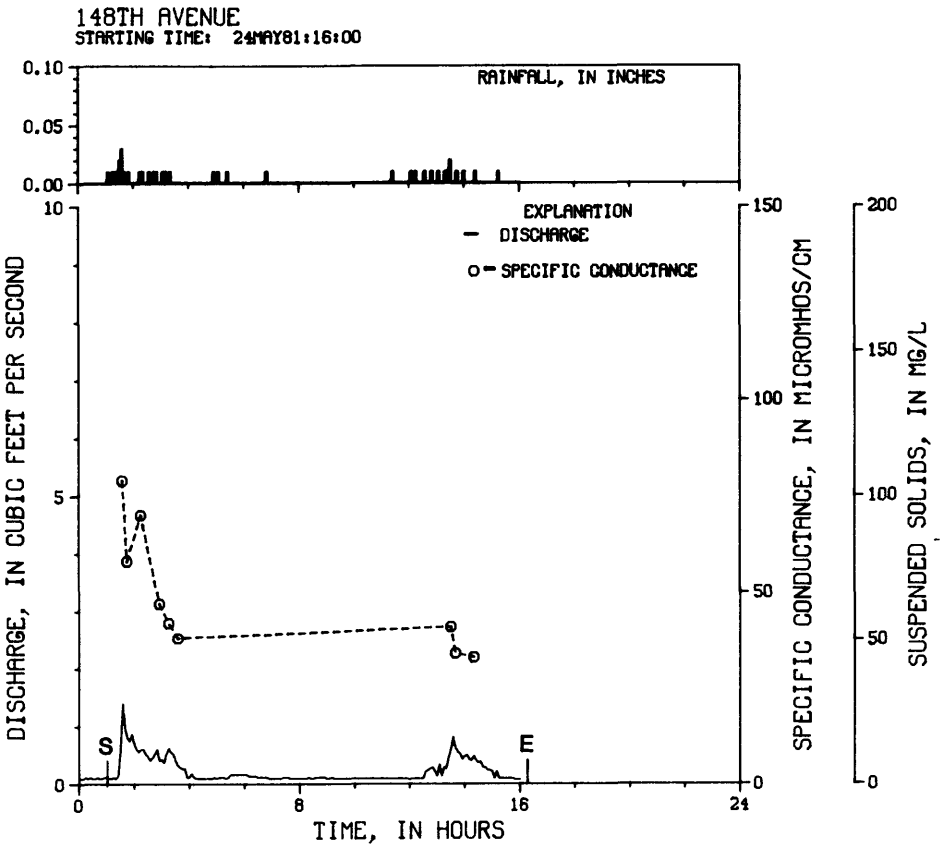


FIGURE 5.--Continued



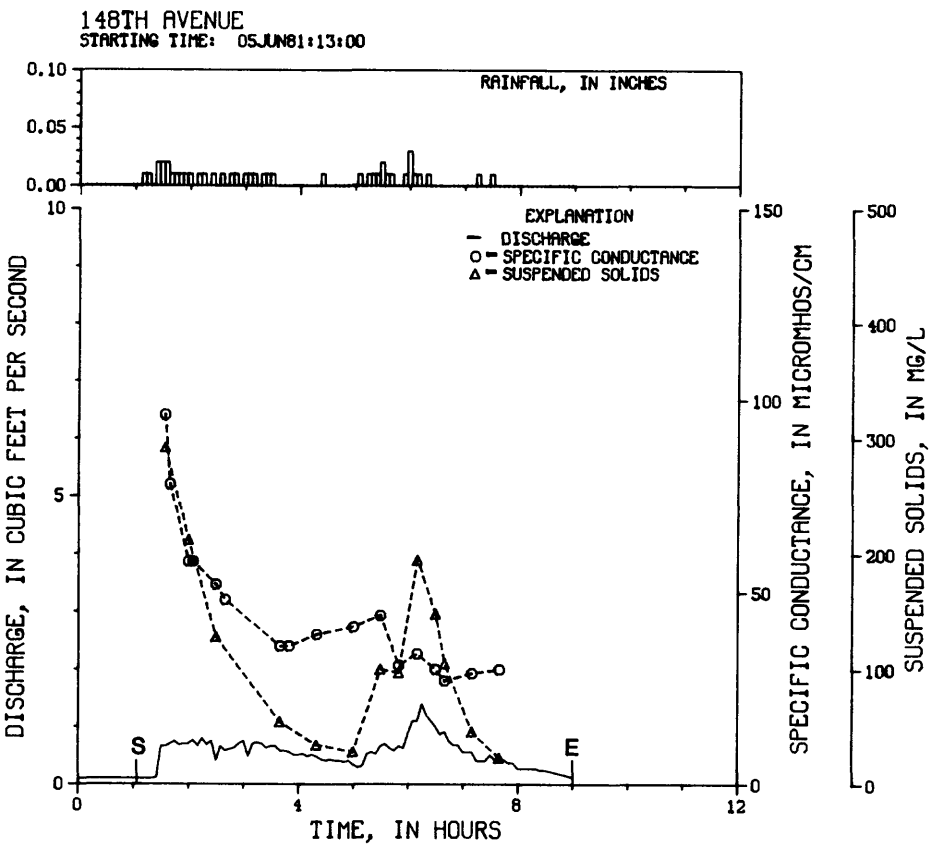
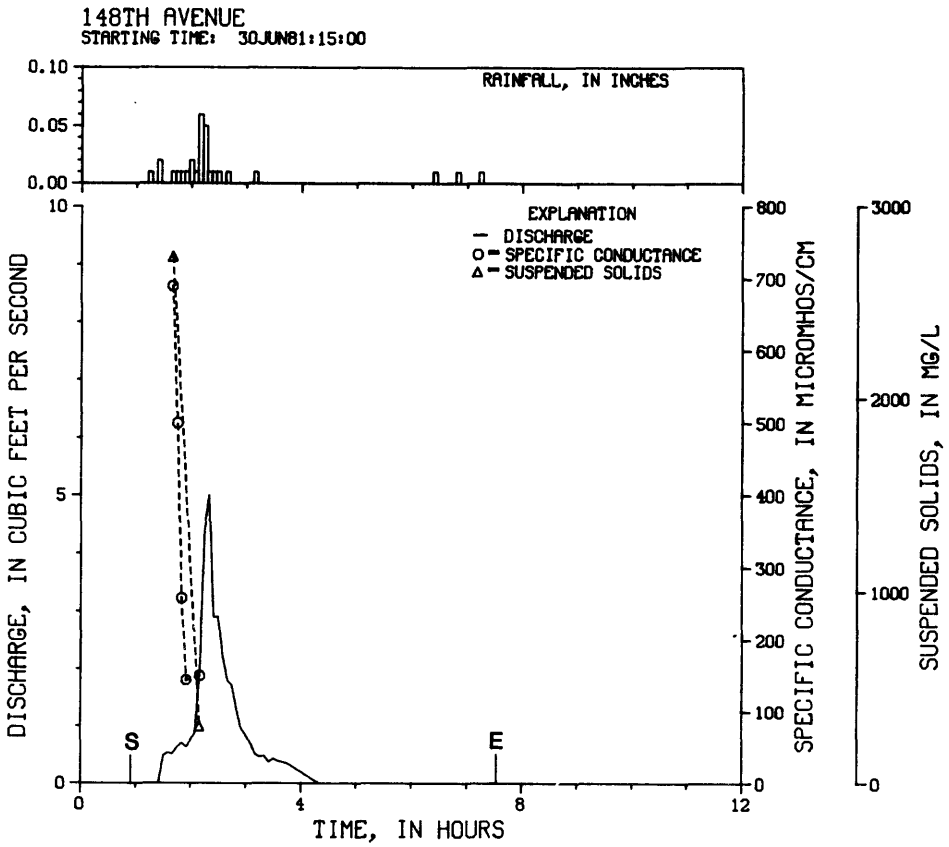


FIGURE 5.--Continued



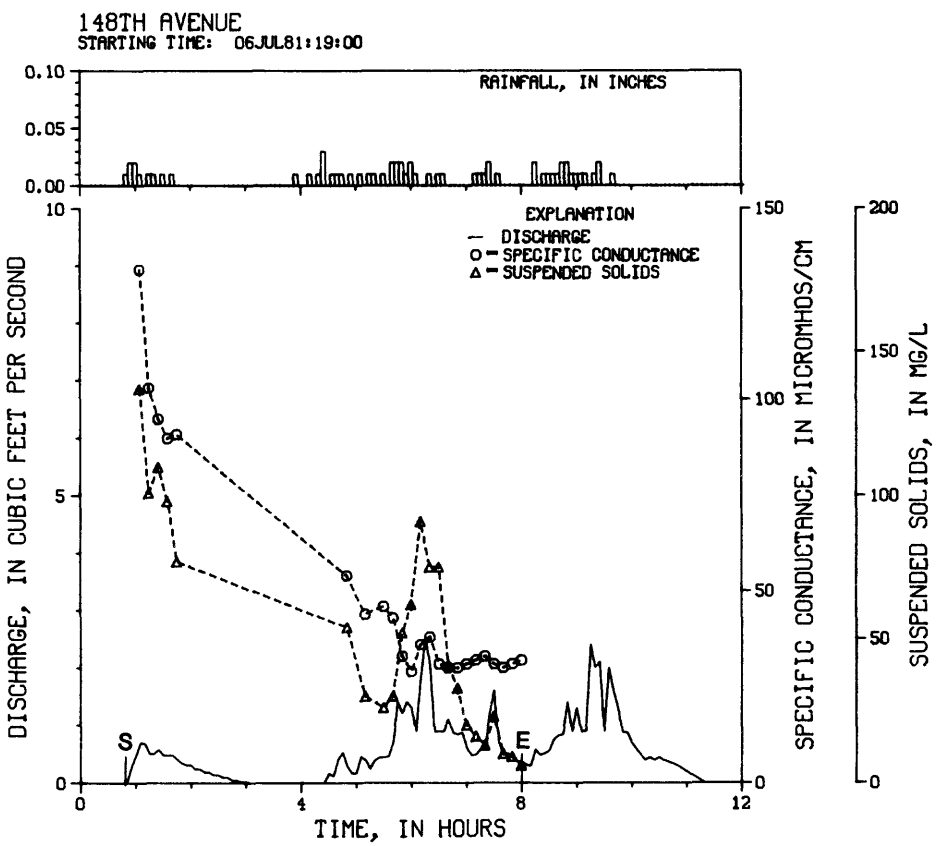
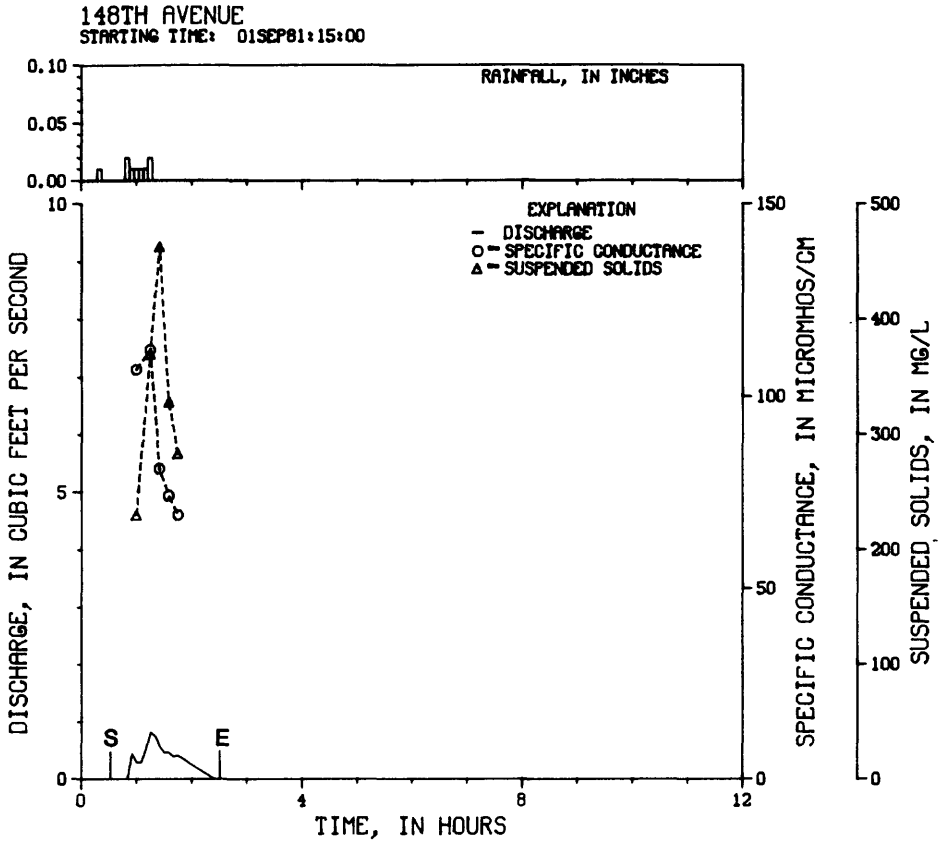


FIGURE 5.--Continued



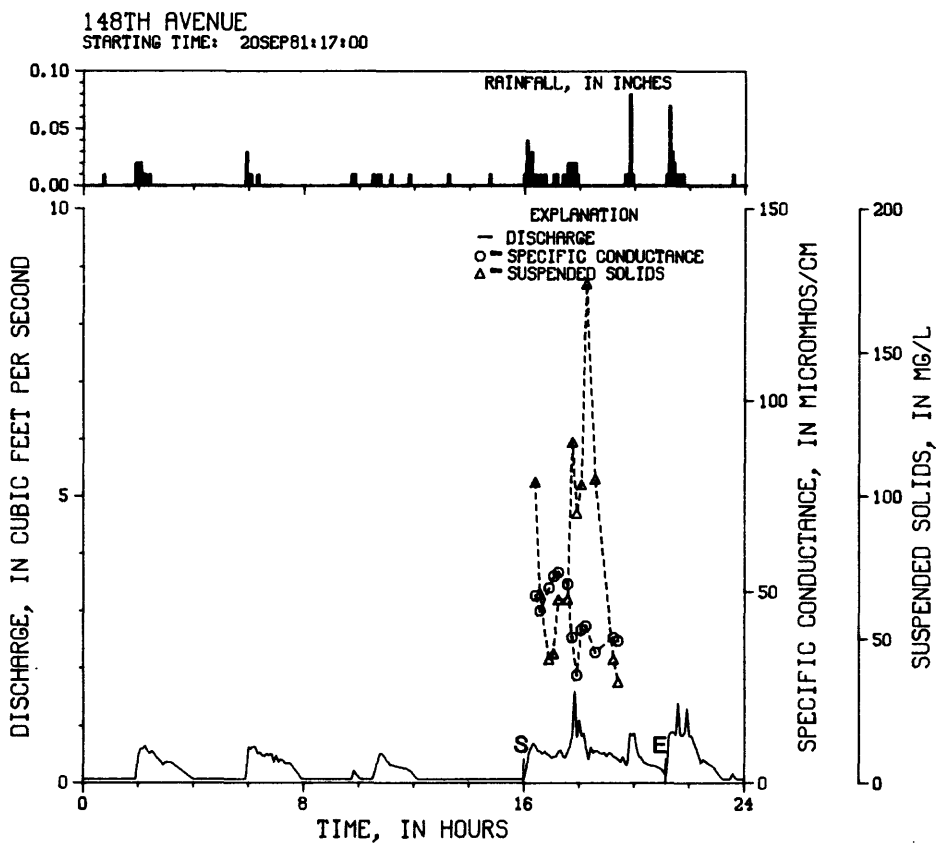
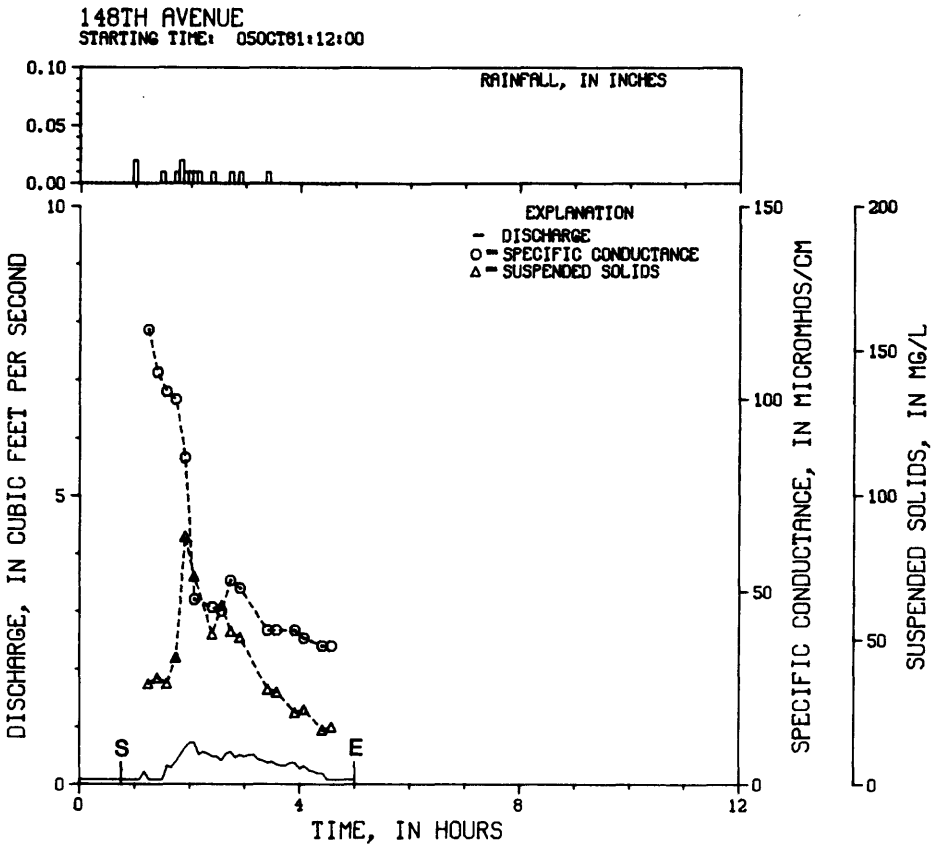


FIGURE 5.--Continued



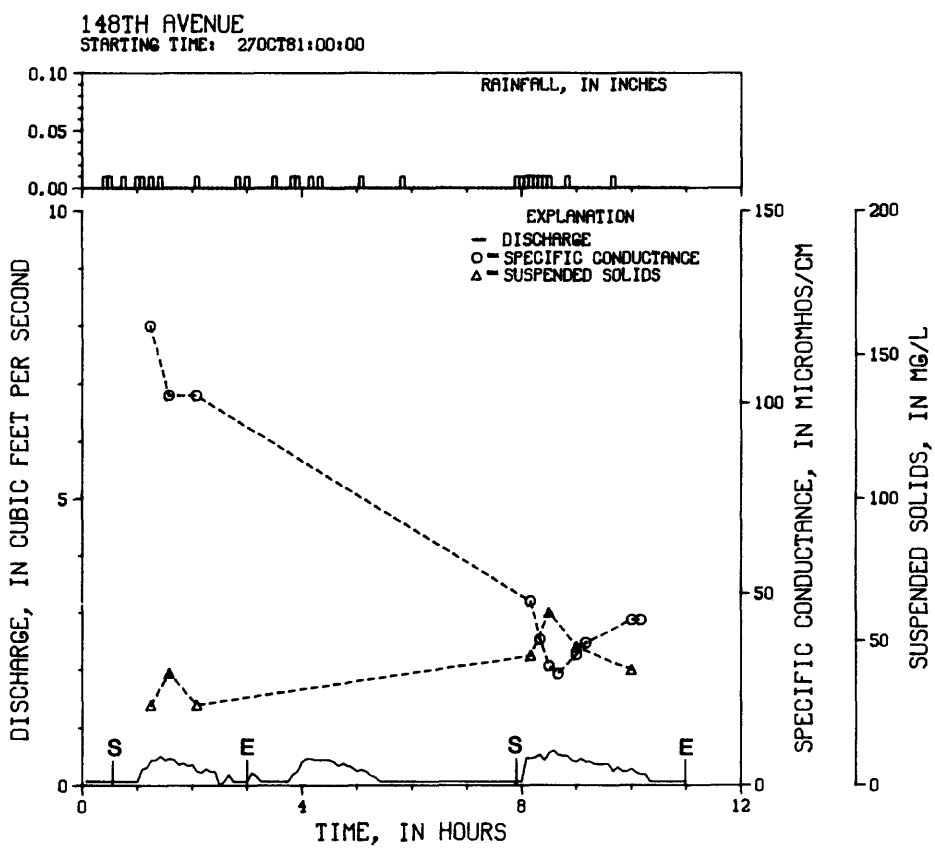
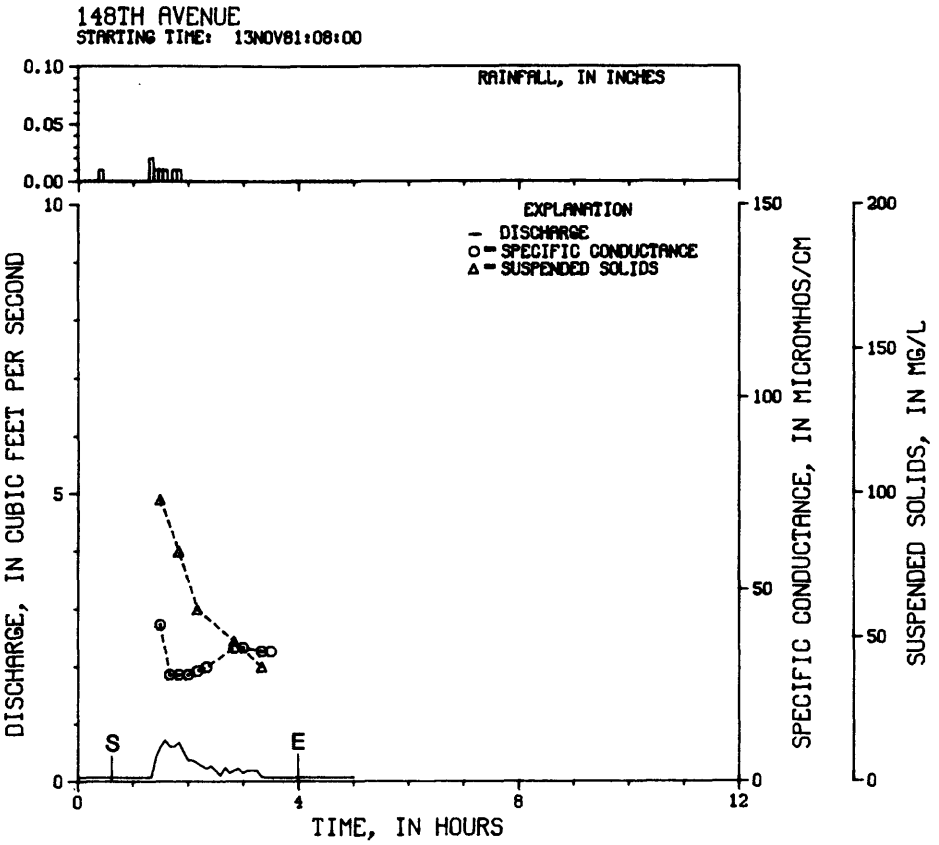
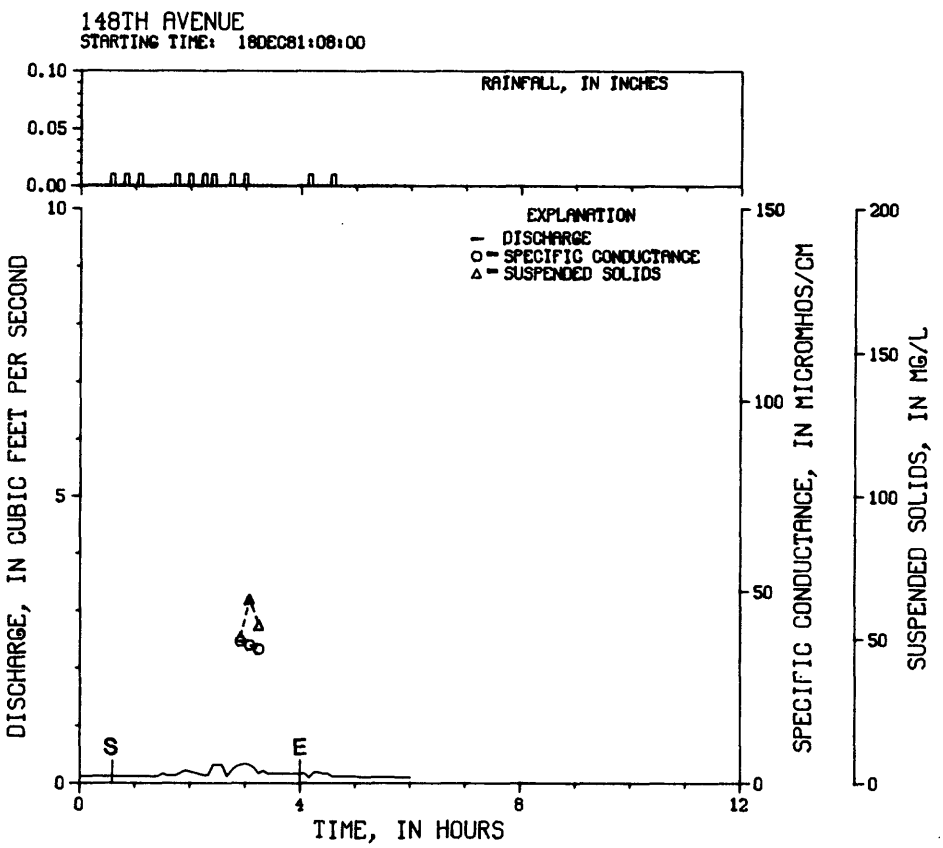


FIGURE 5.--Continued





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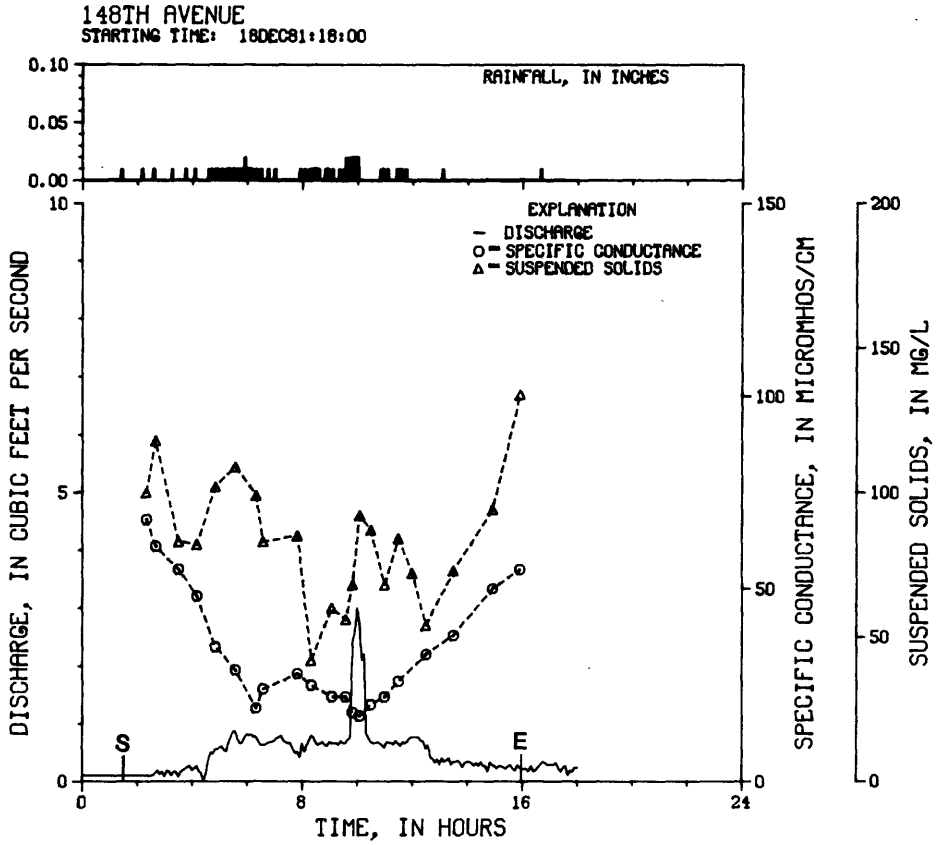

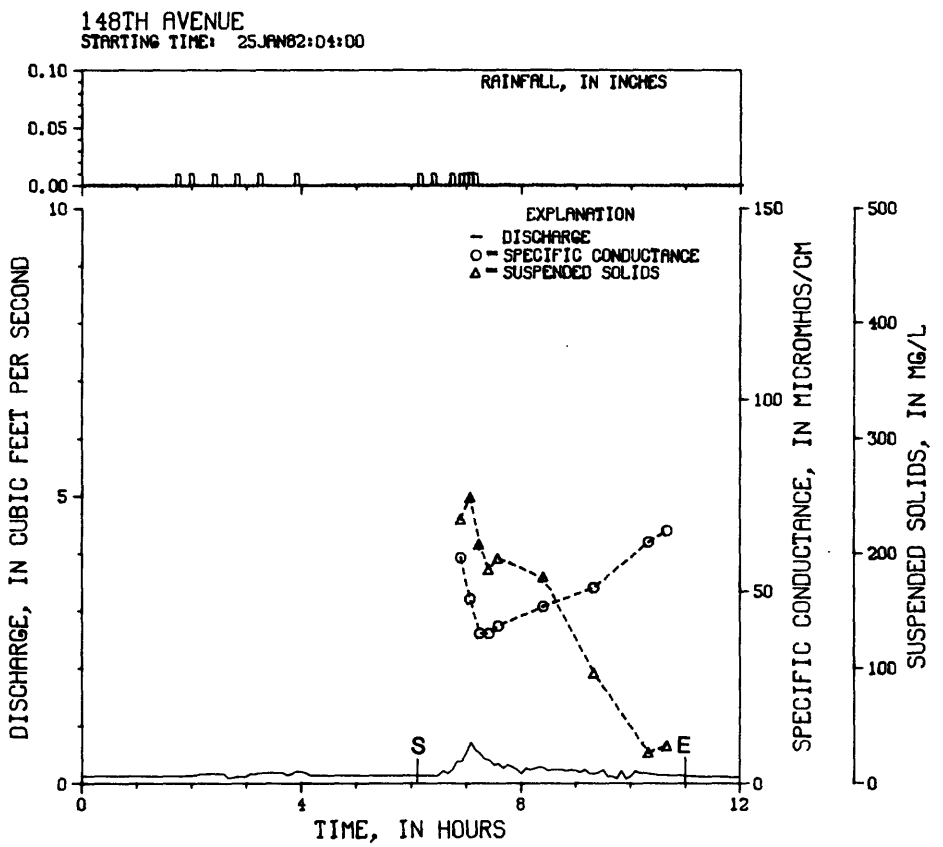

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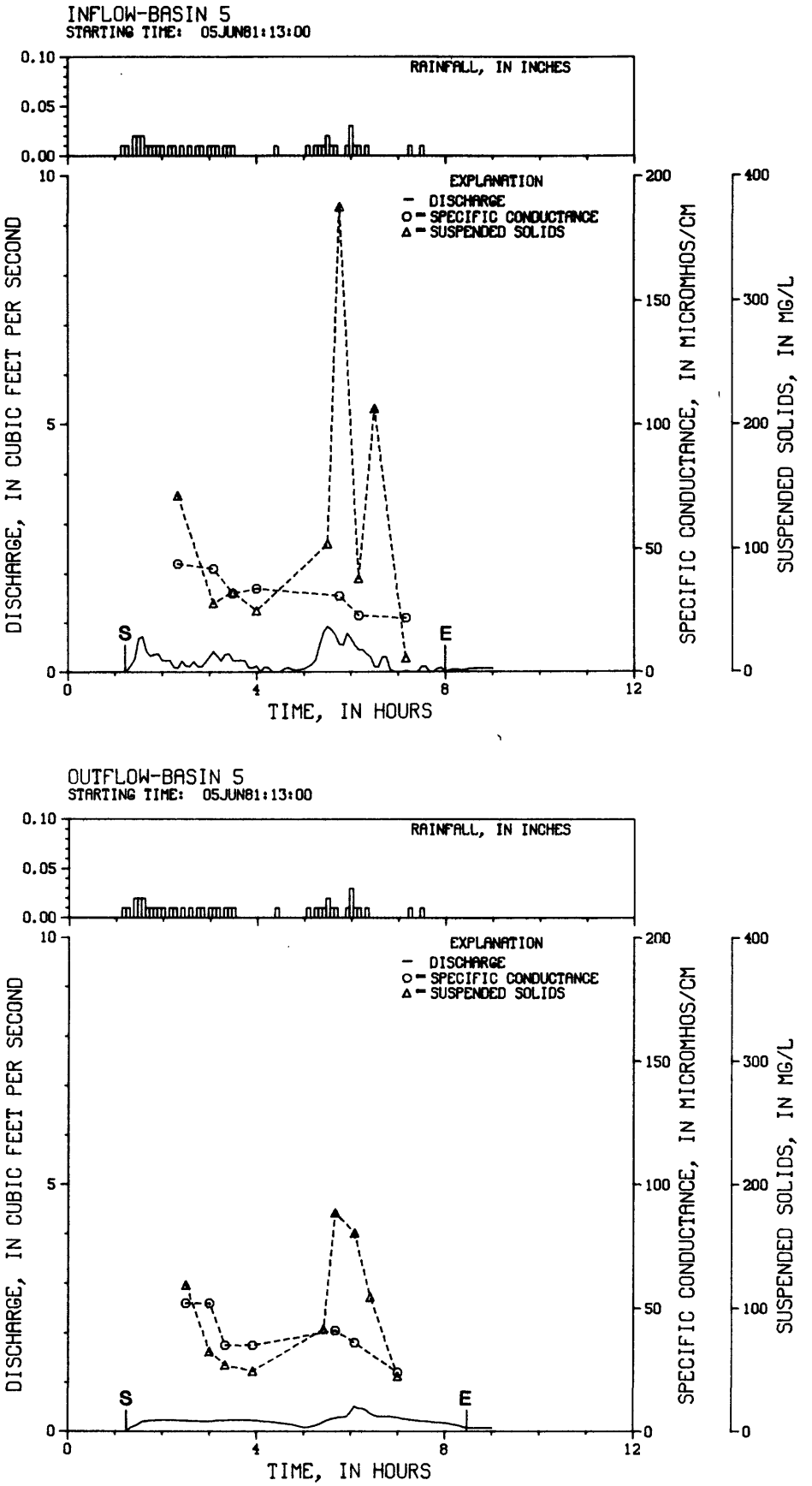
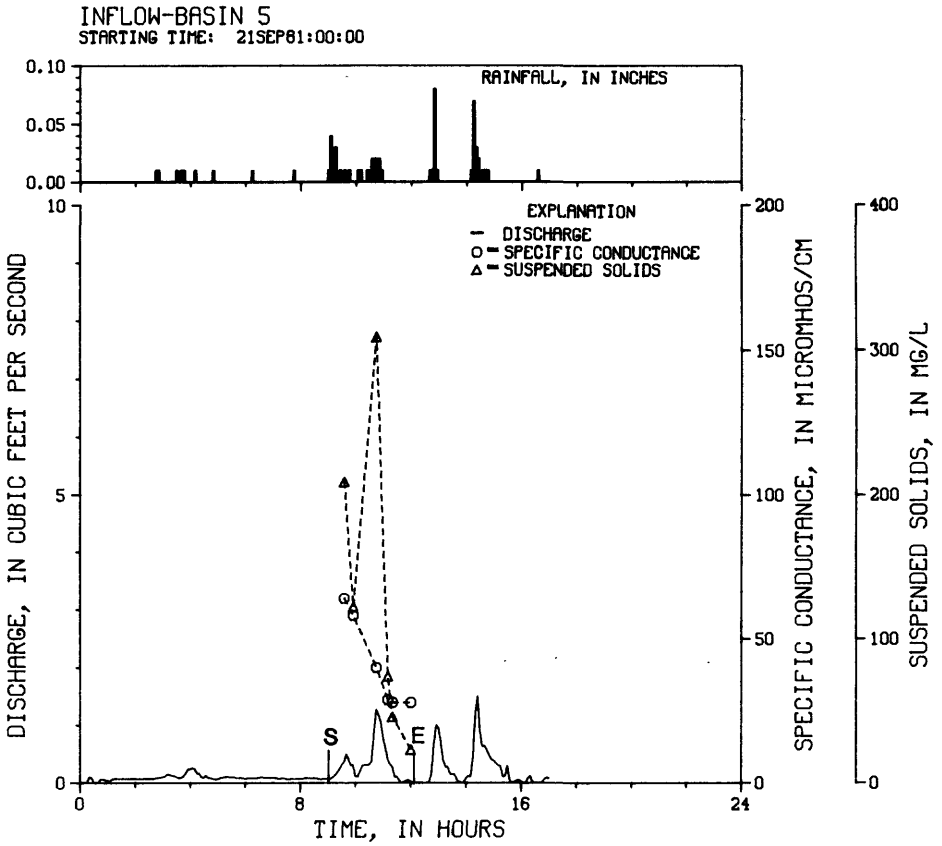
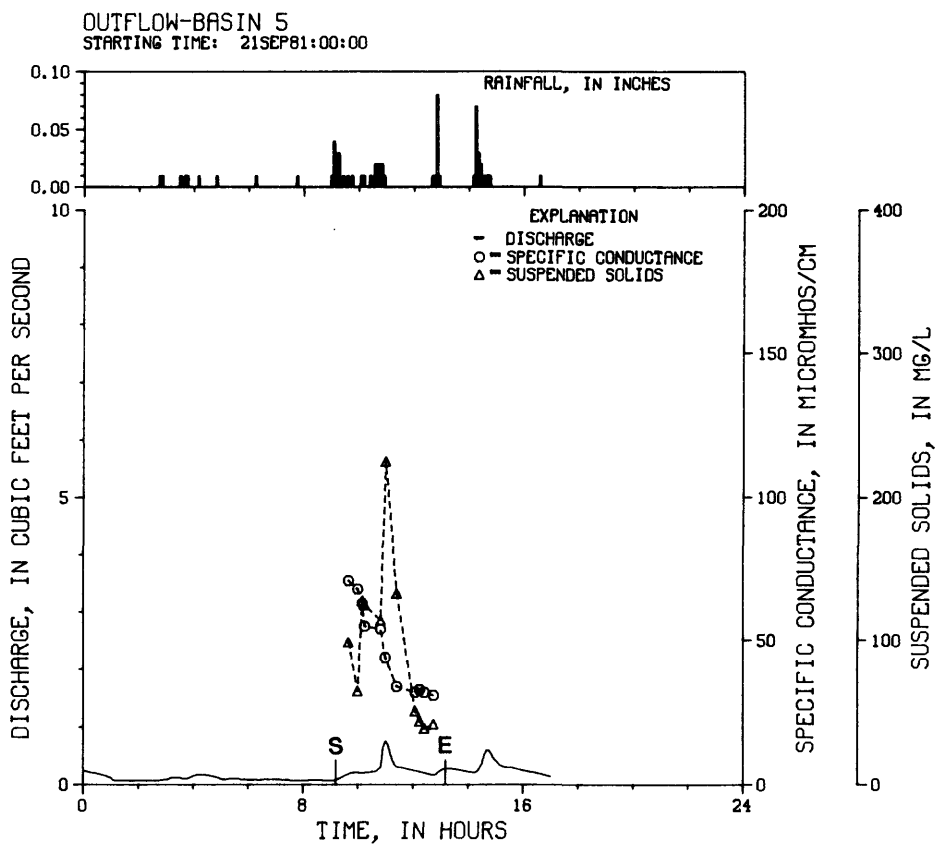


FIGURE 6.--Rainfall, runoff, specific conductance, and suspended-solids concentrations in runoff sampled above and below detention basin No. 5 in the 148th Avenue S.E. catchment. Periods for which constituent loads were calculated are bracketed with: S = start, E = end.





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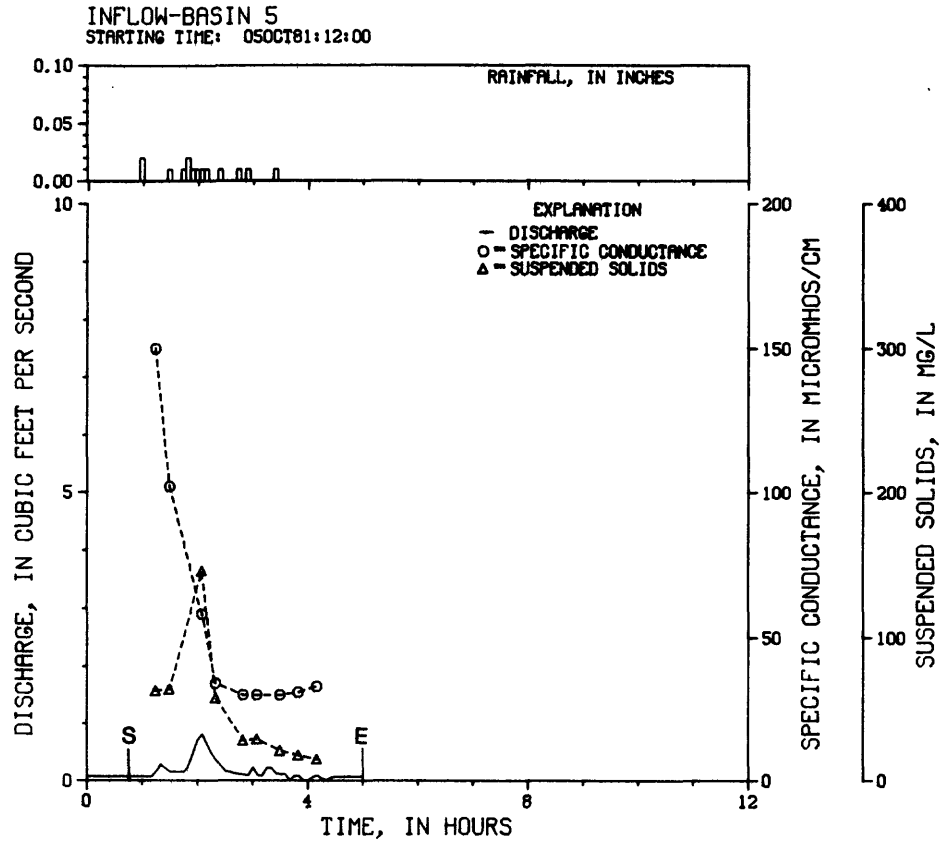

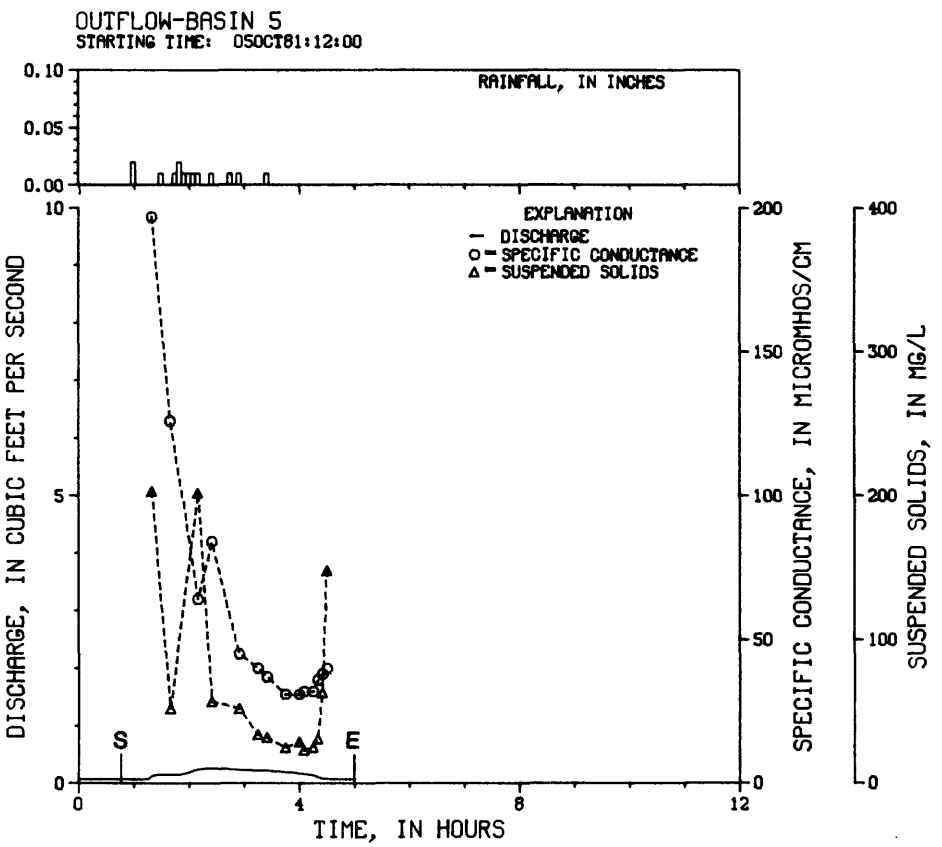

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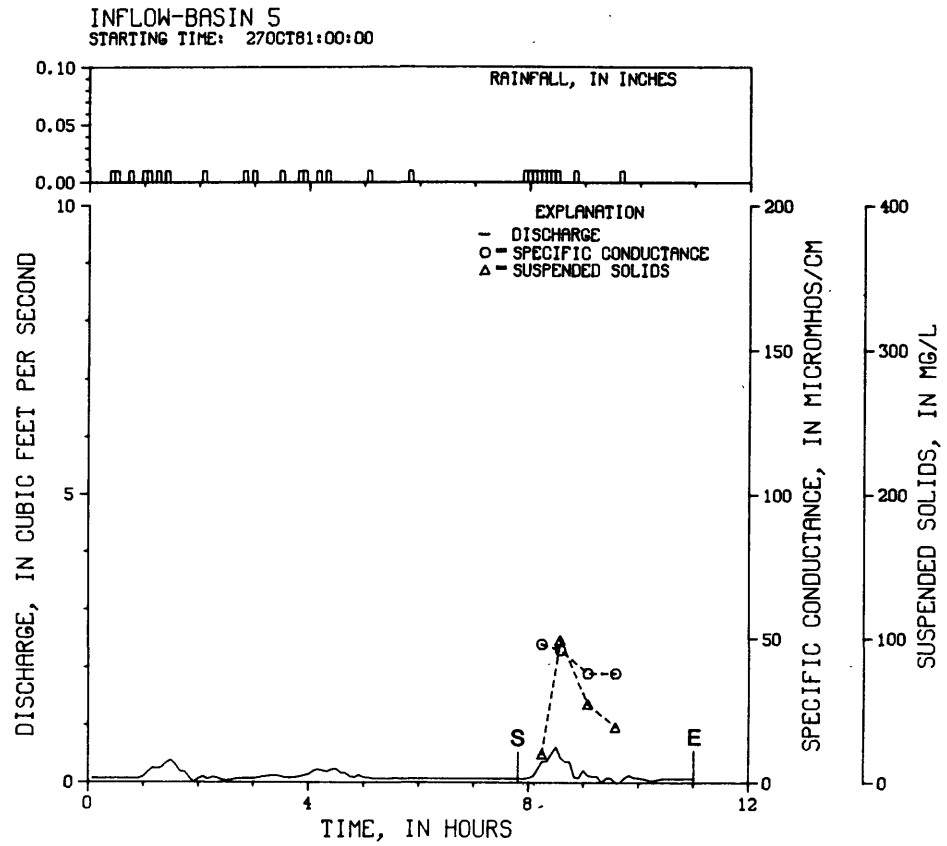

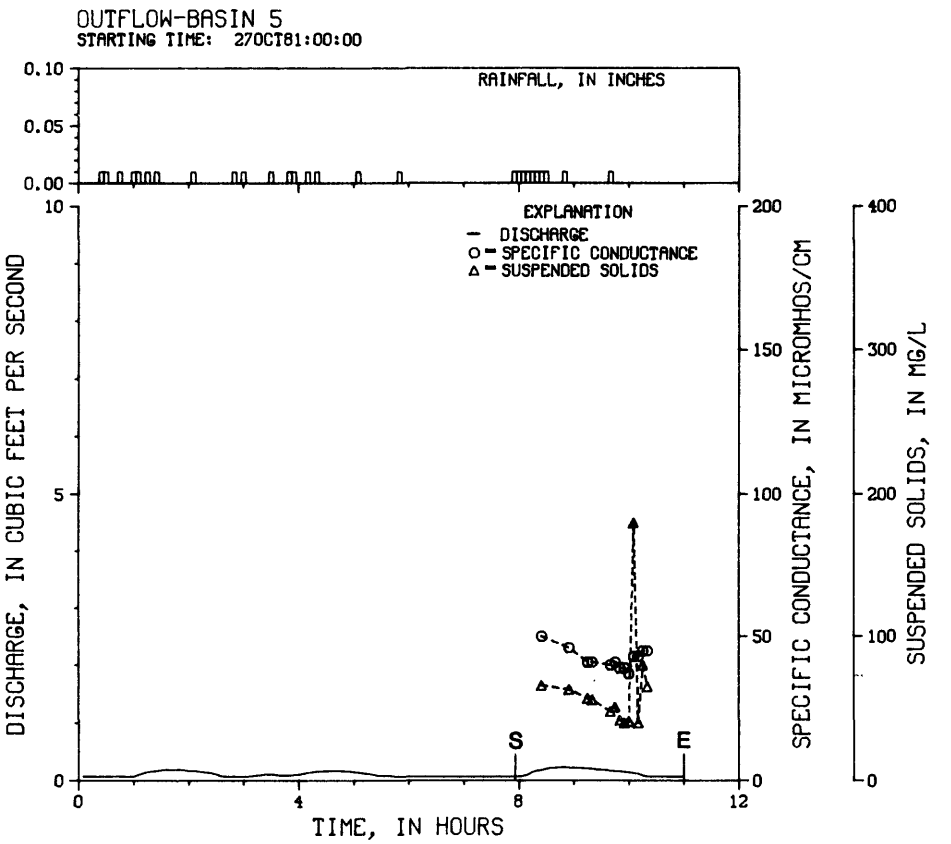

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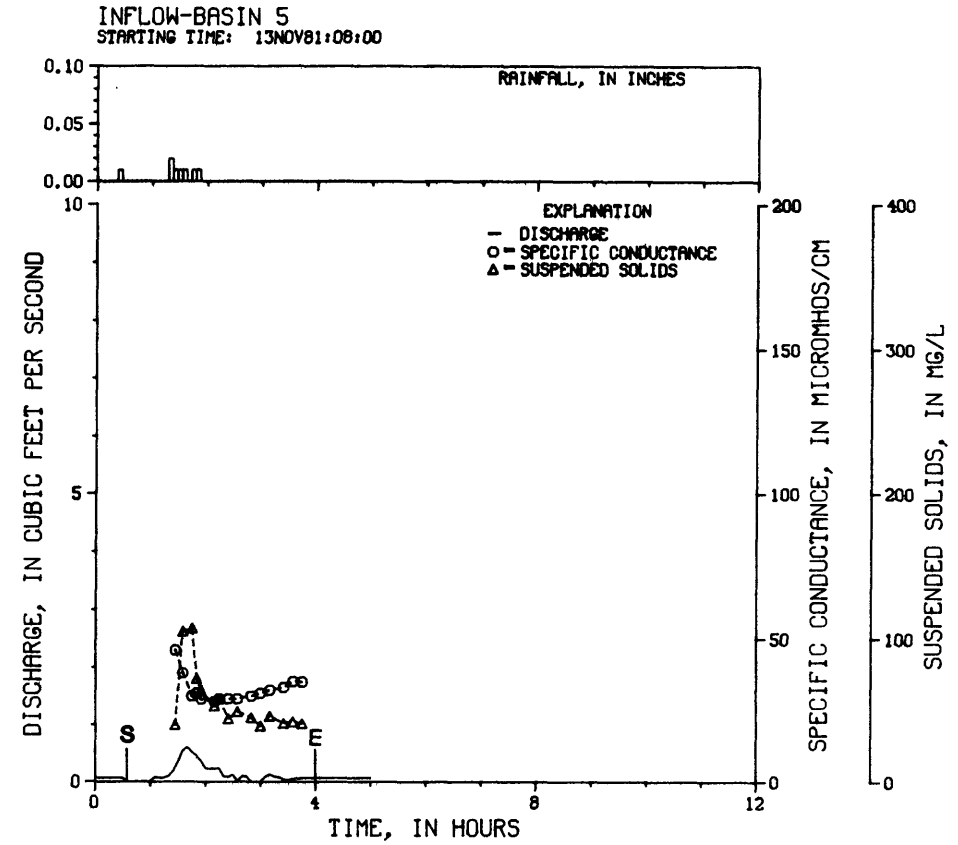

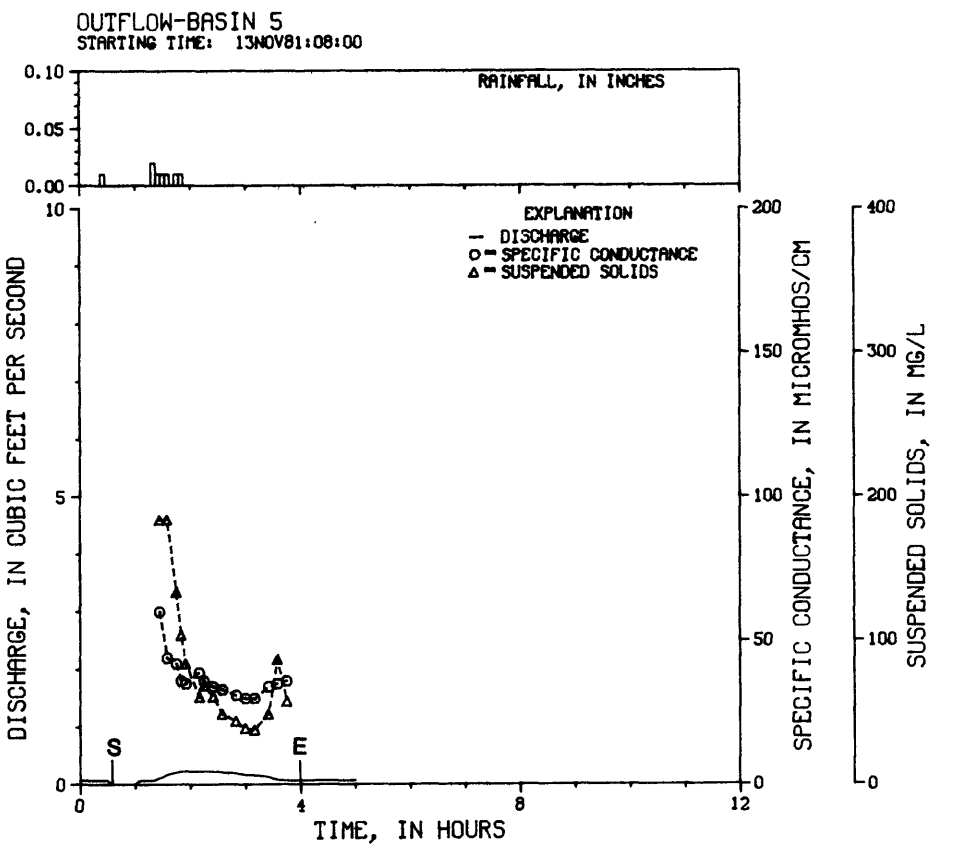

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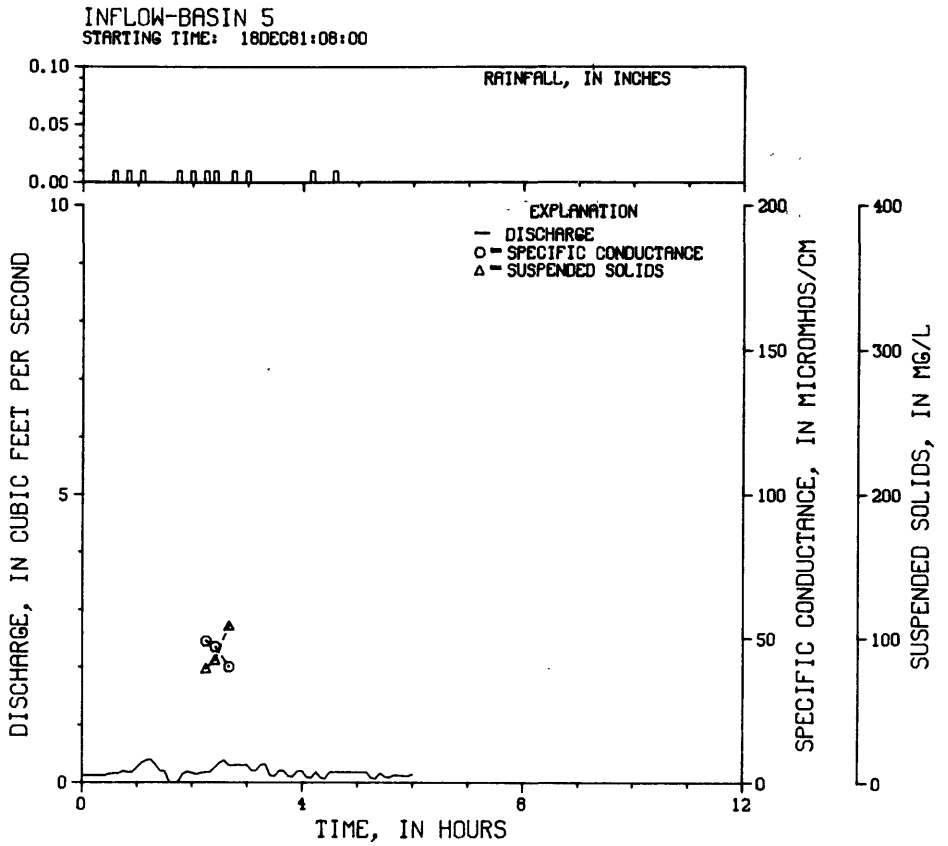

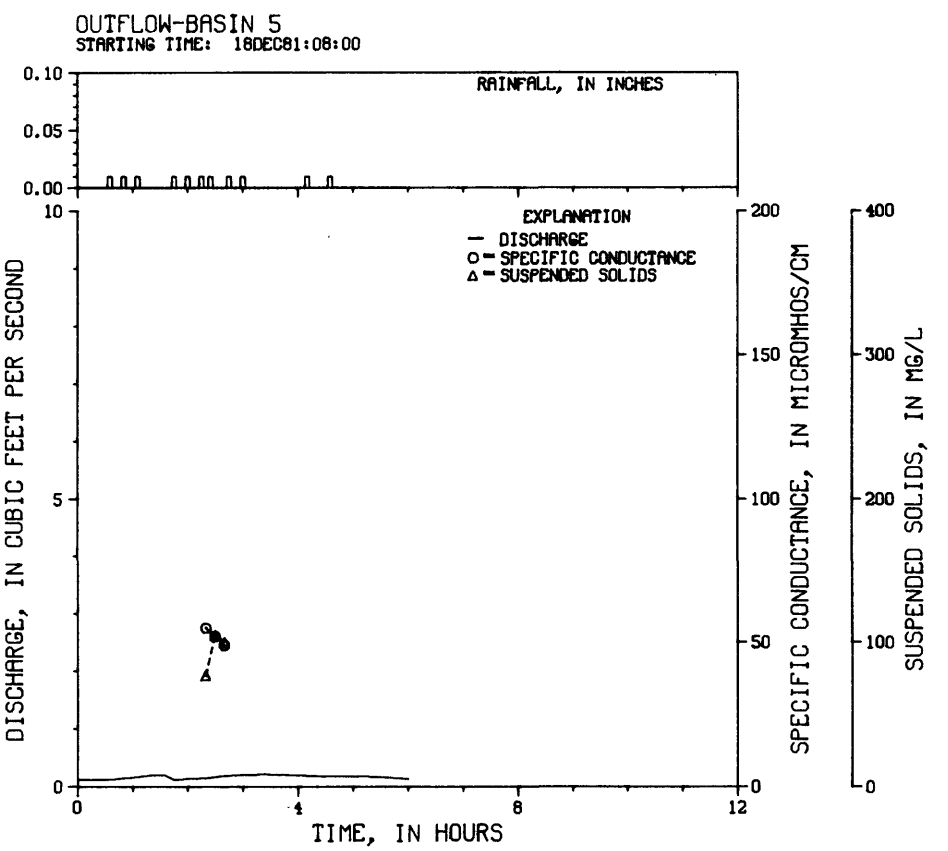

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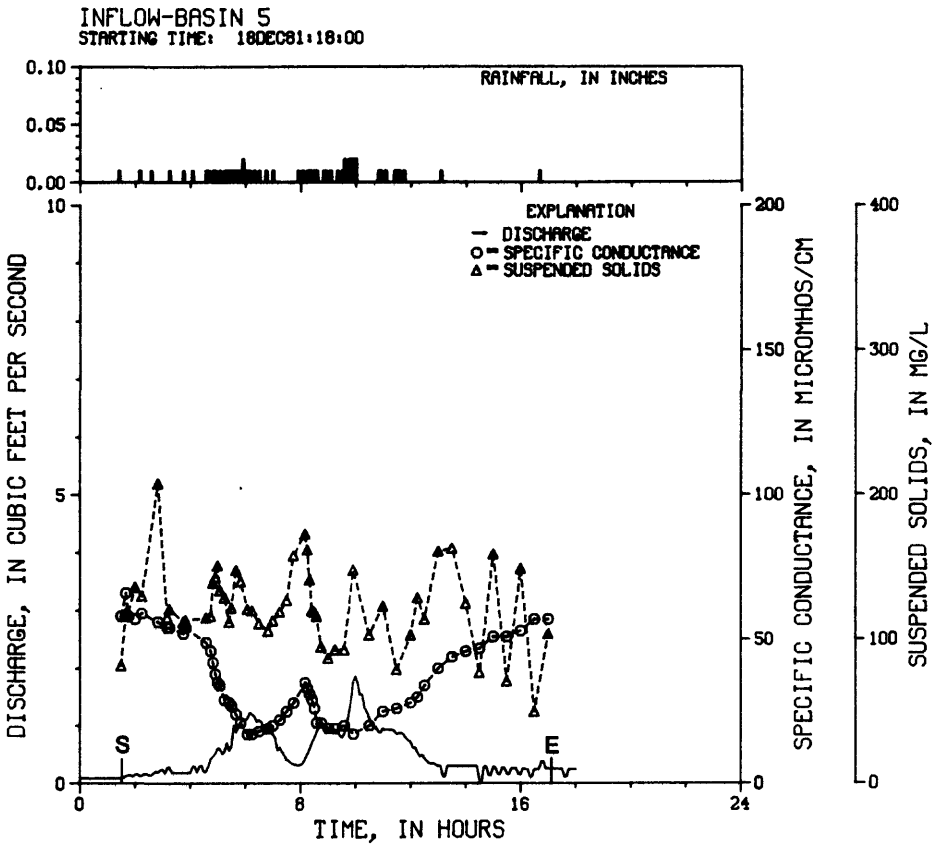

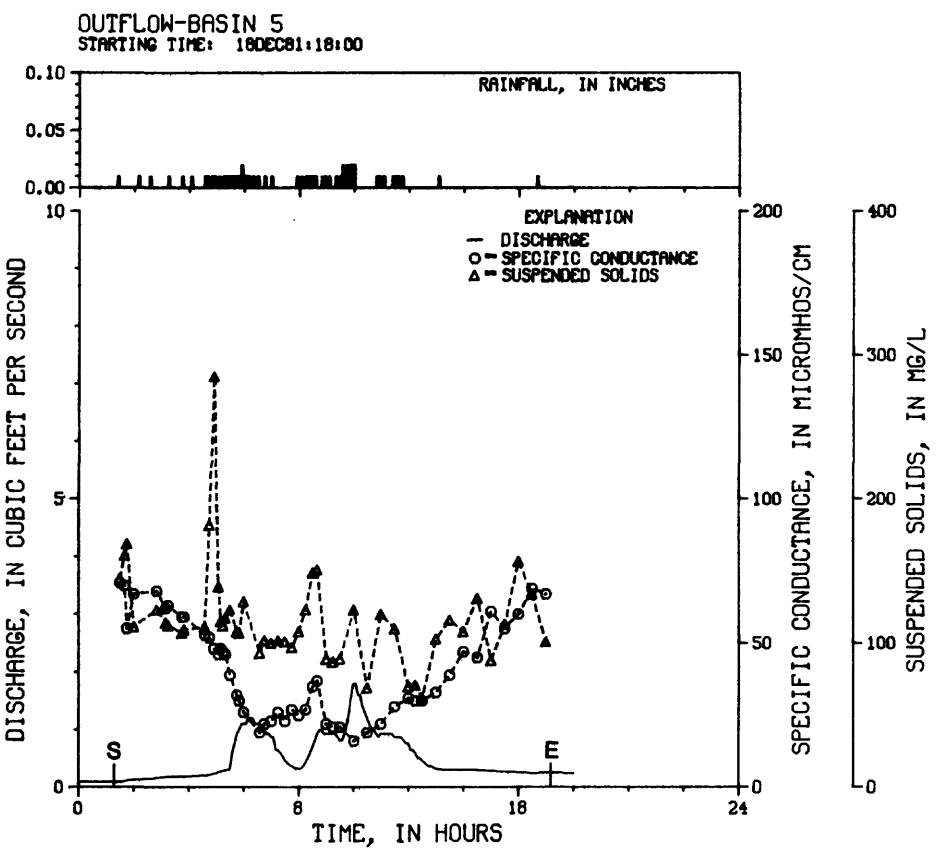

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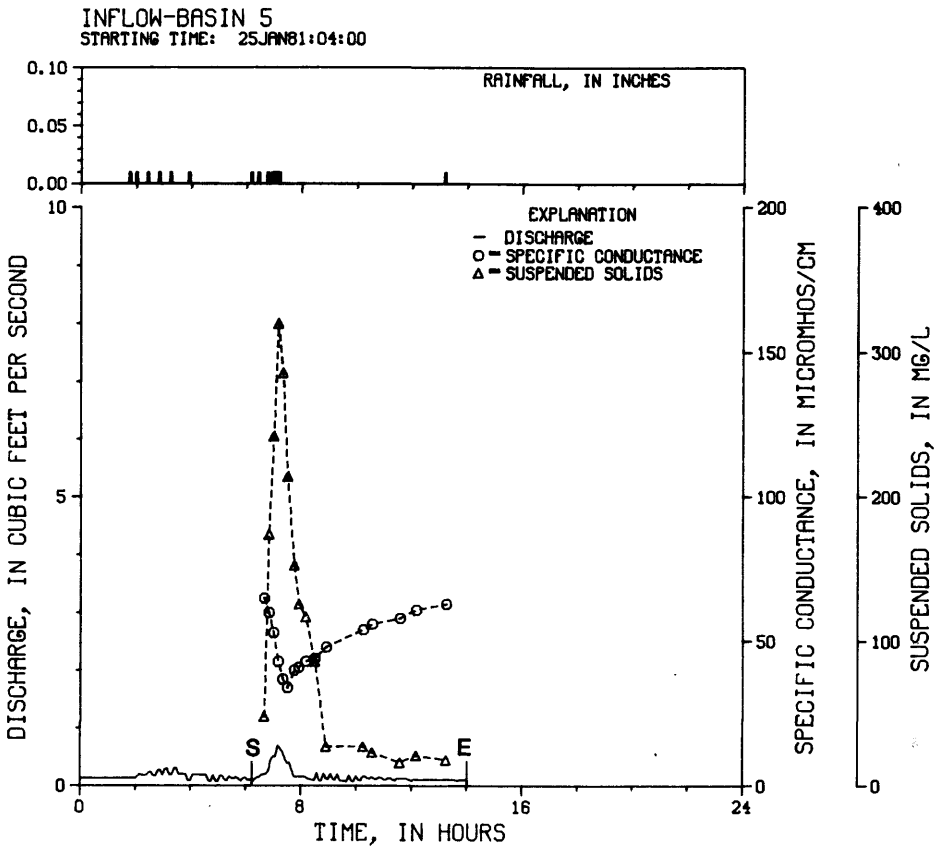

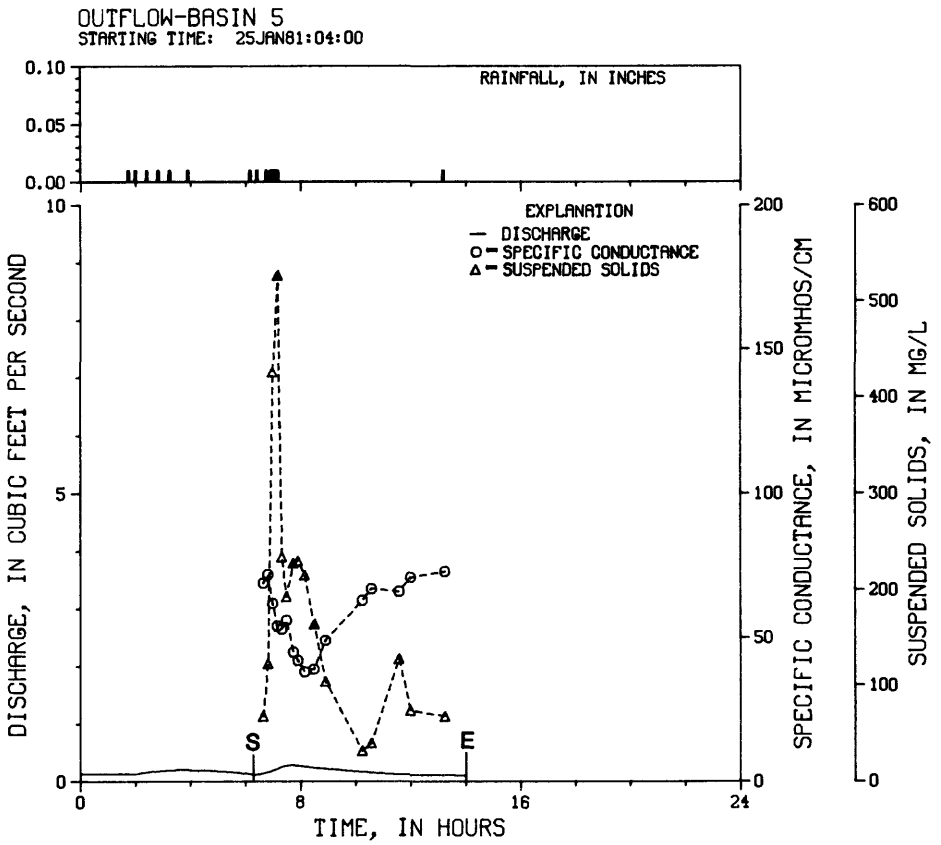

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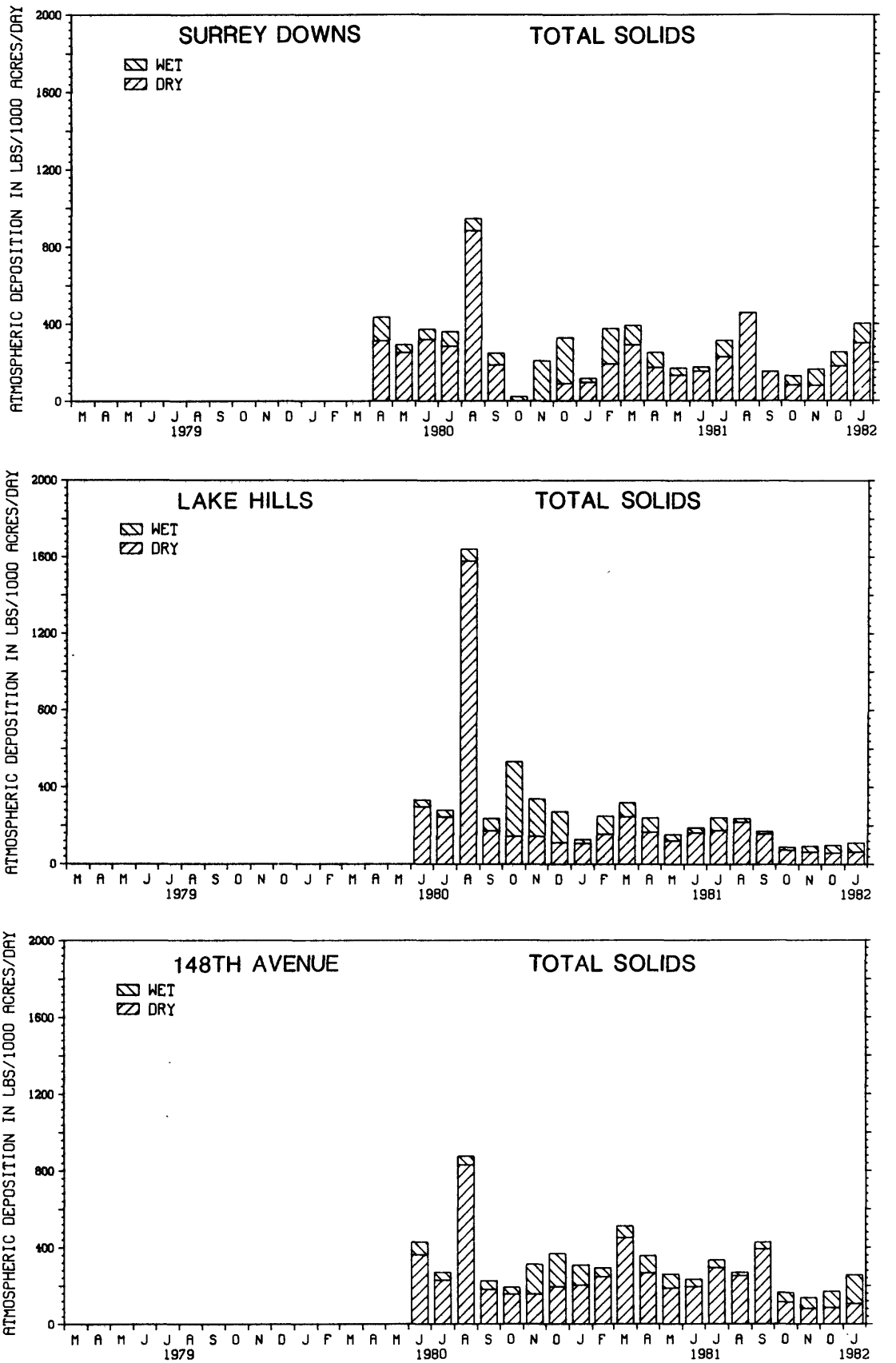
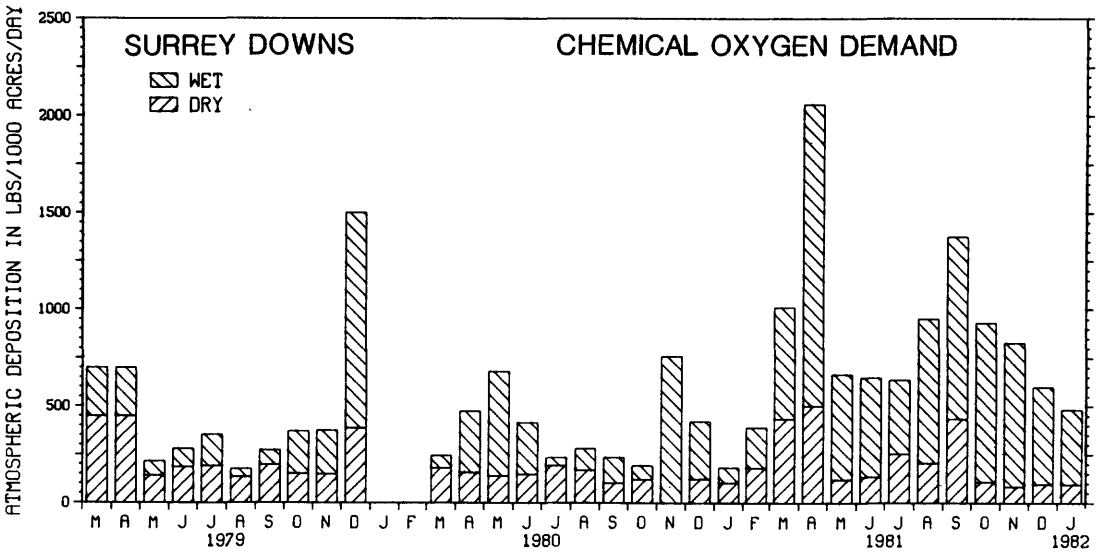
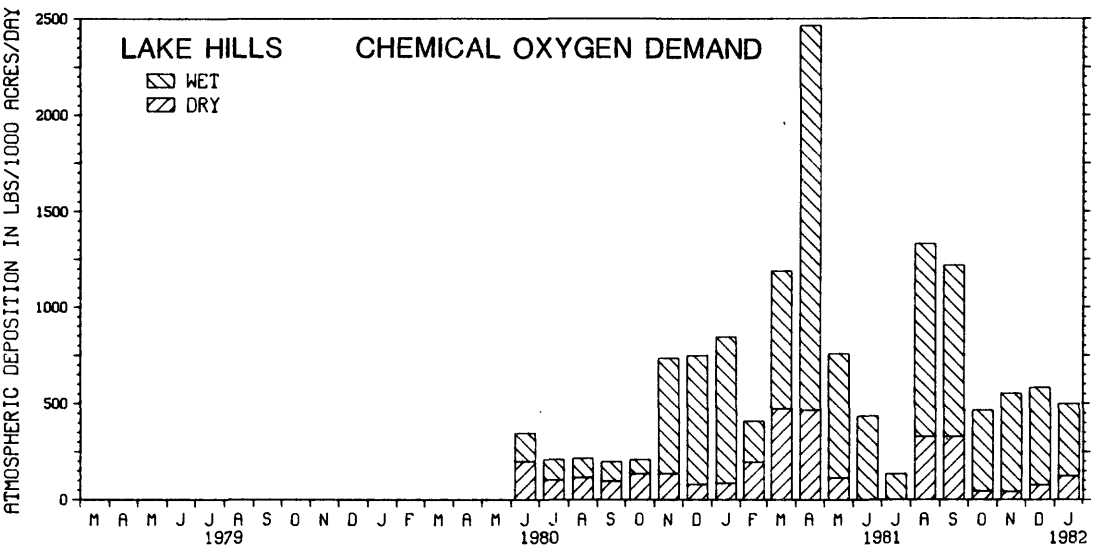


FIGURE 7.--Monthly mean deposition rates for constituents in wet- and dry-atmospheric deposition. In August 1980 ash from an eruption of Mount St. Helens fell in the Puget Sound area.





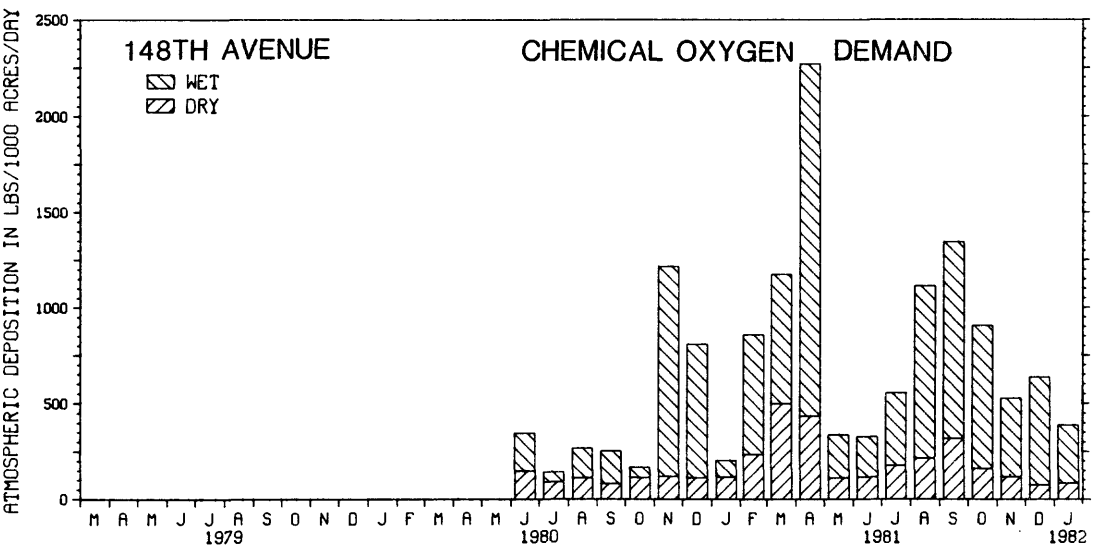
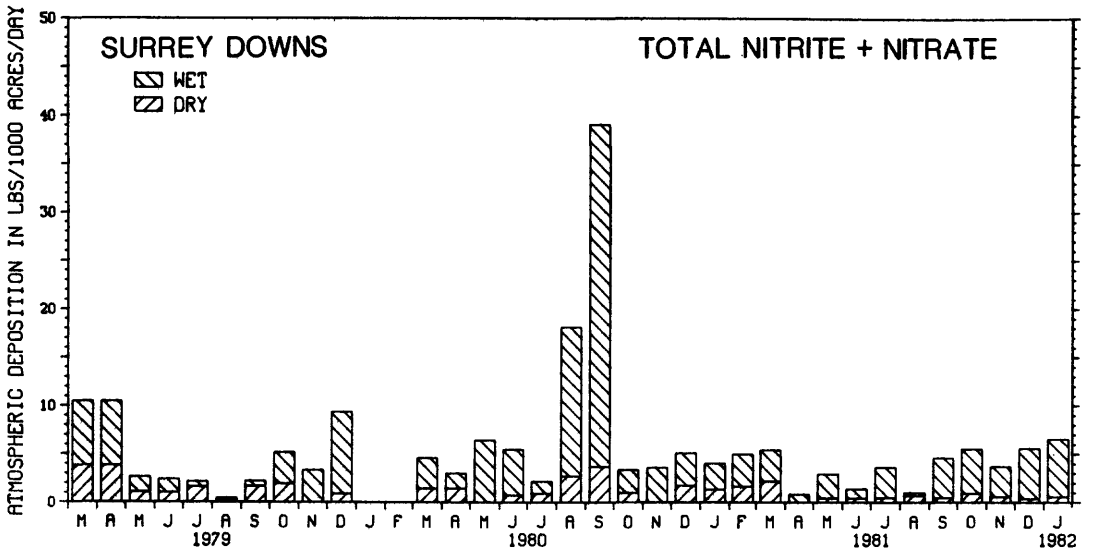
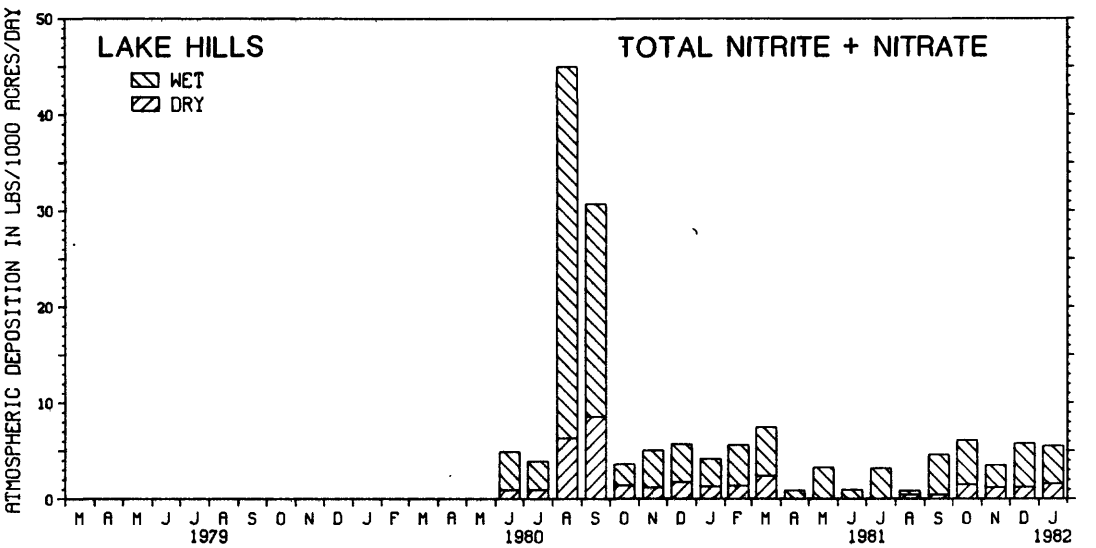


FIGURE 7.--Continued





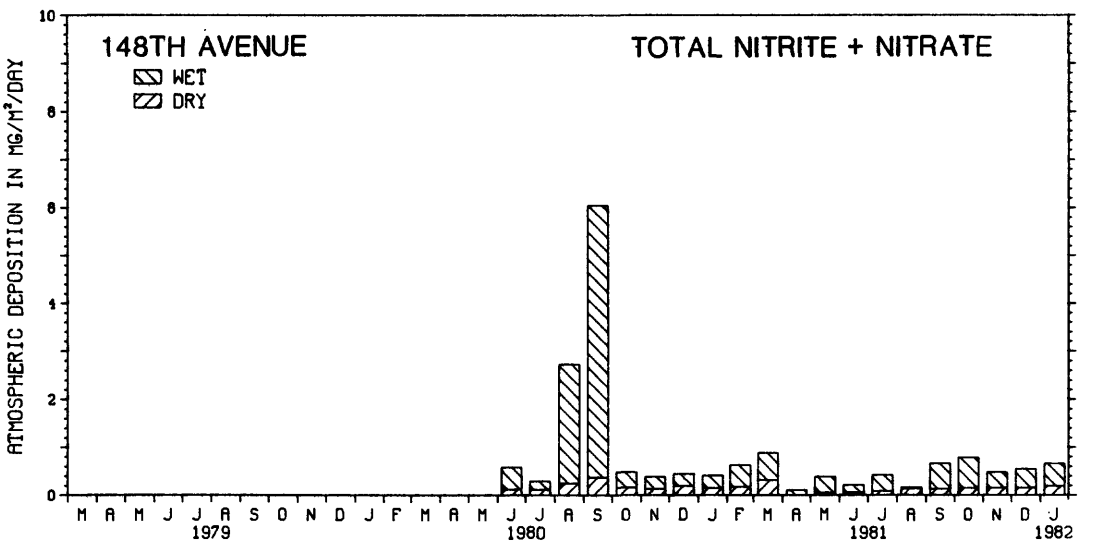
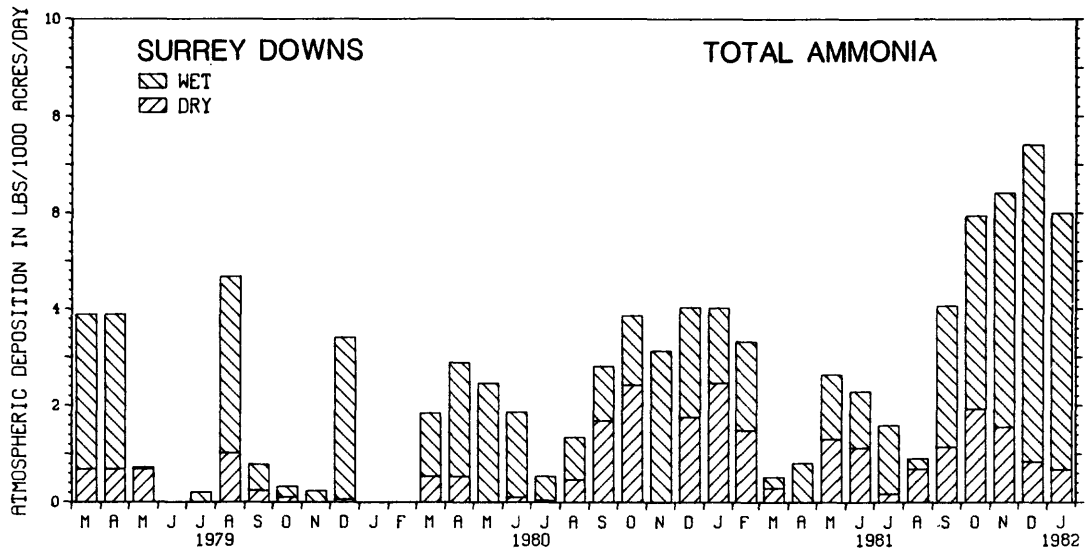
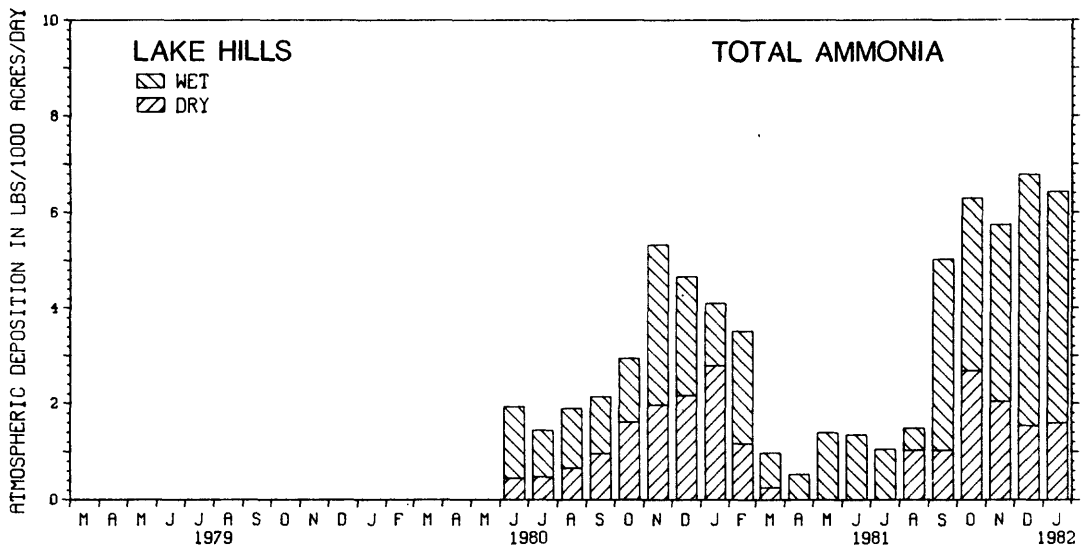
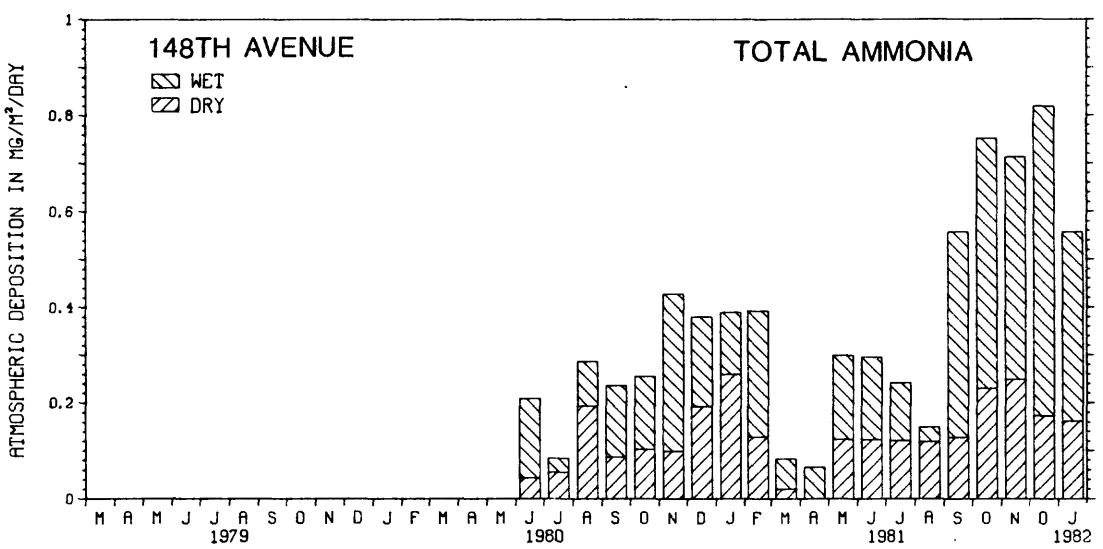


FIGURE 7.--Continued







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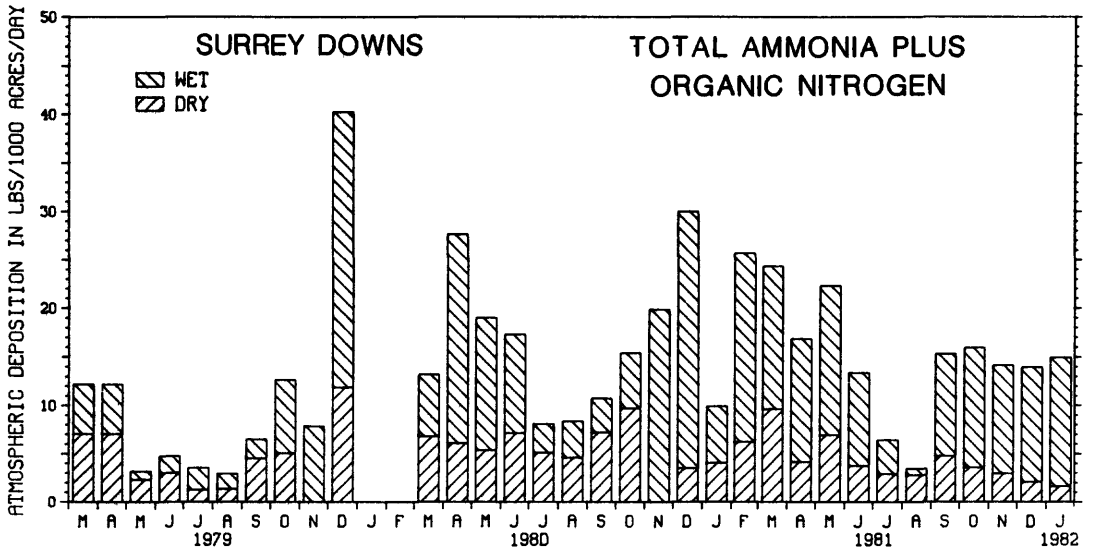
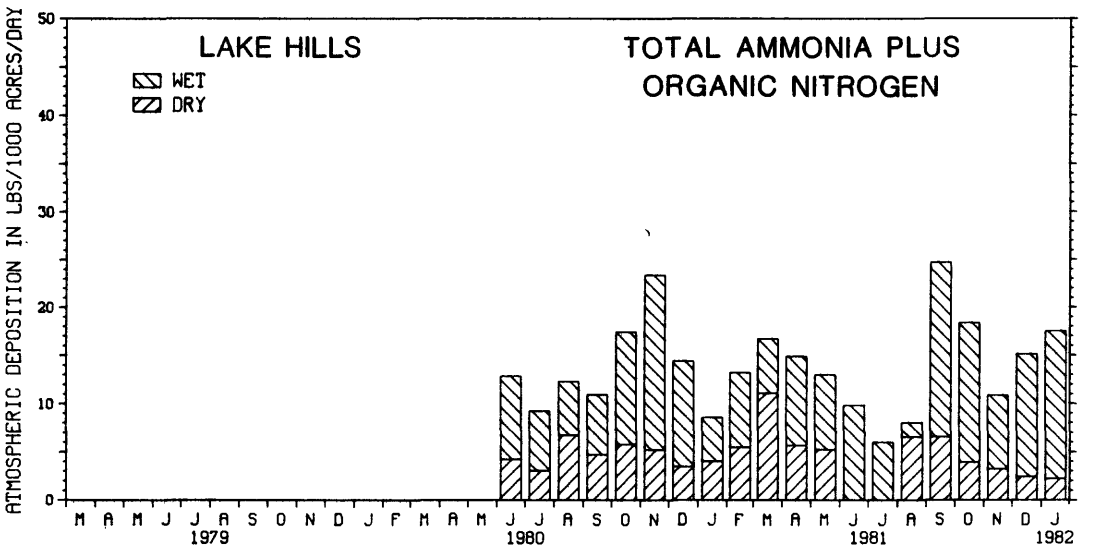




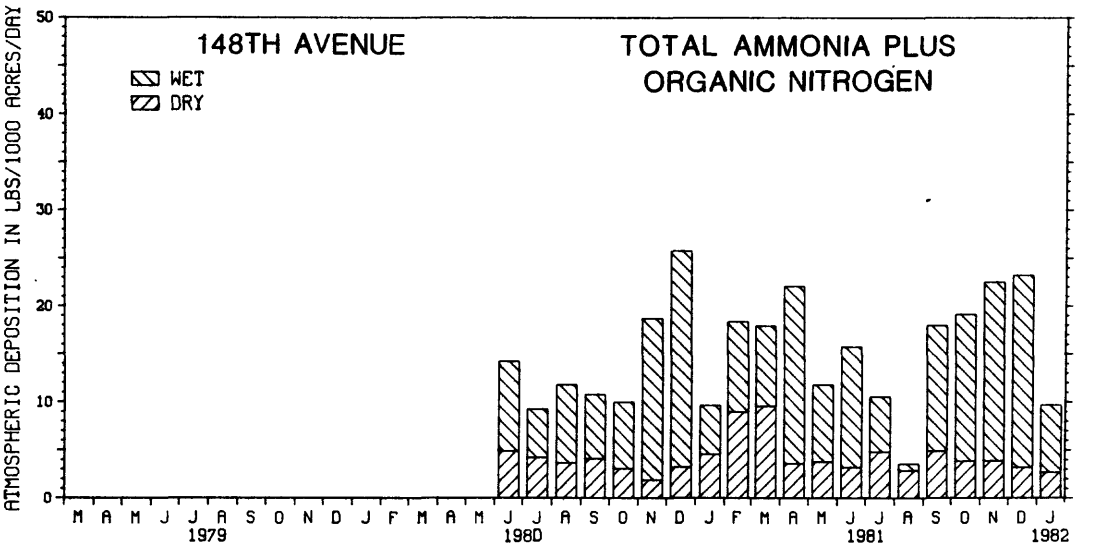
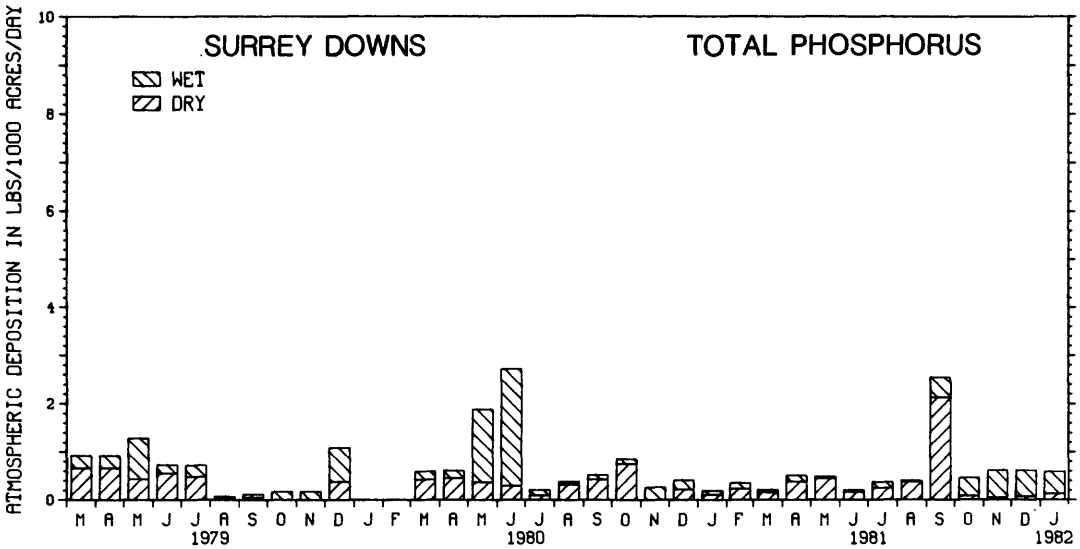
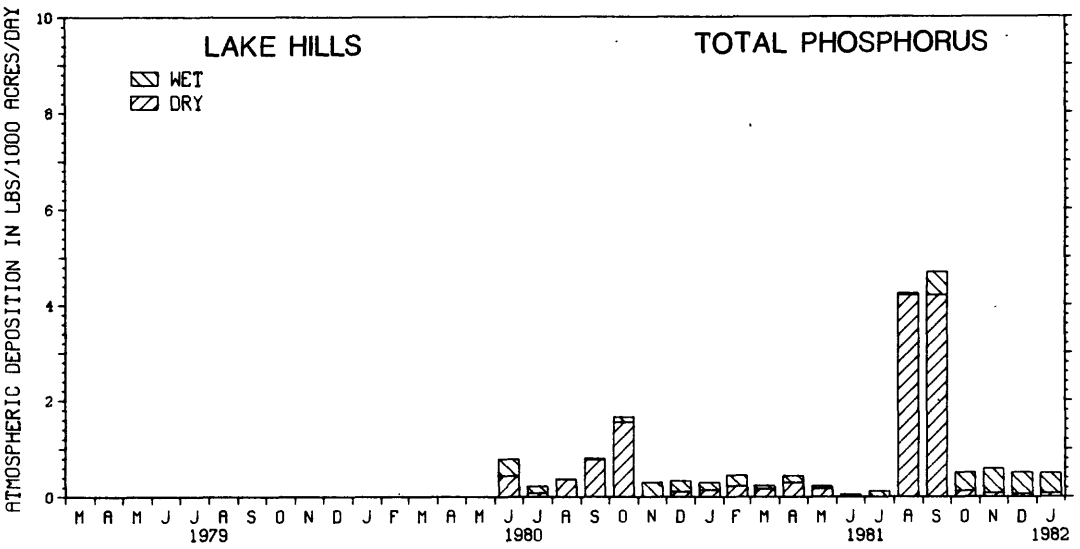


FIGURE 7.--Continued





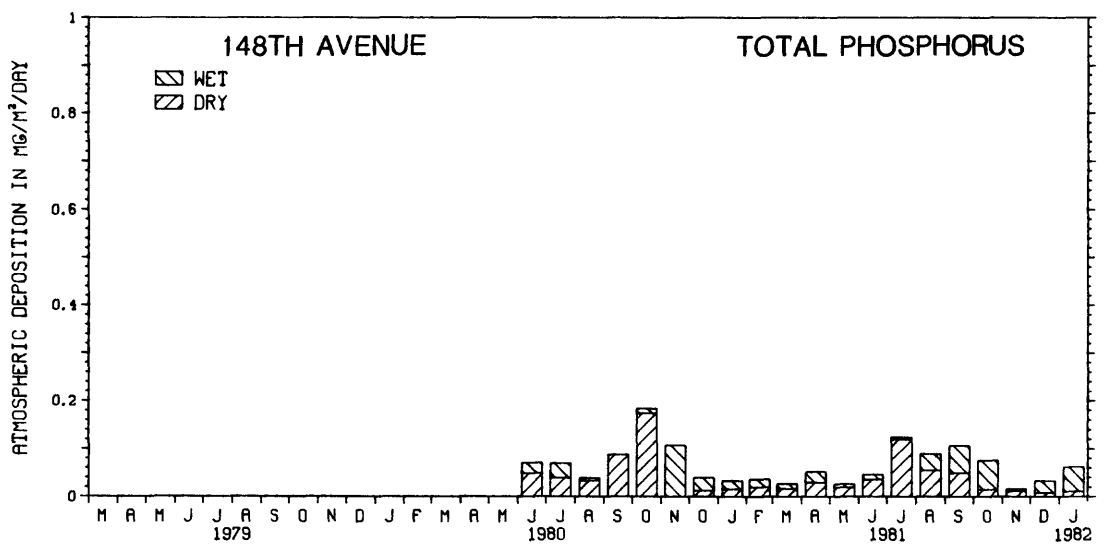


FIGURE 7.--Continued

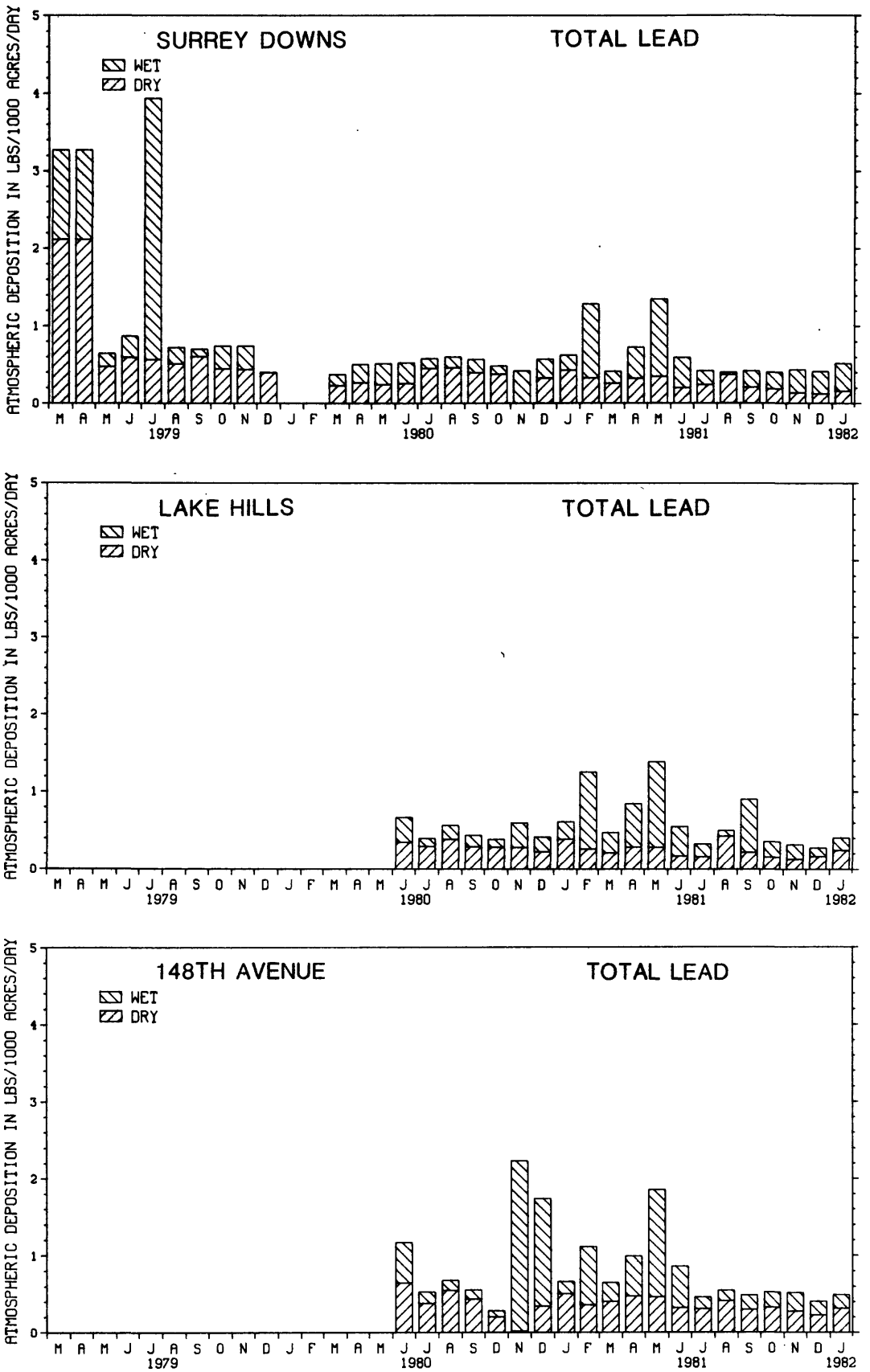
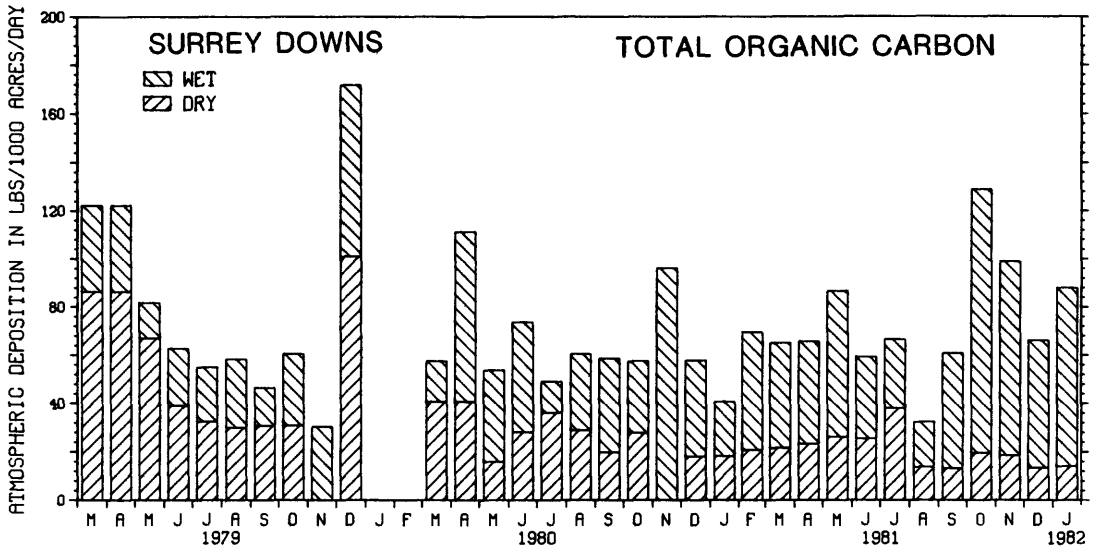
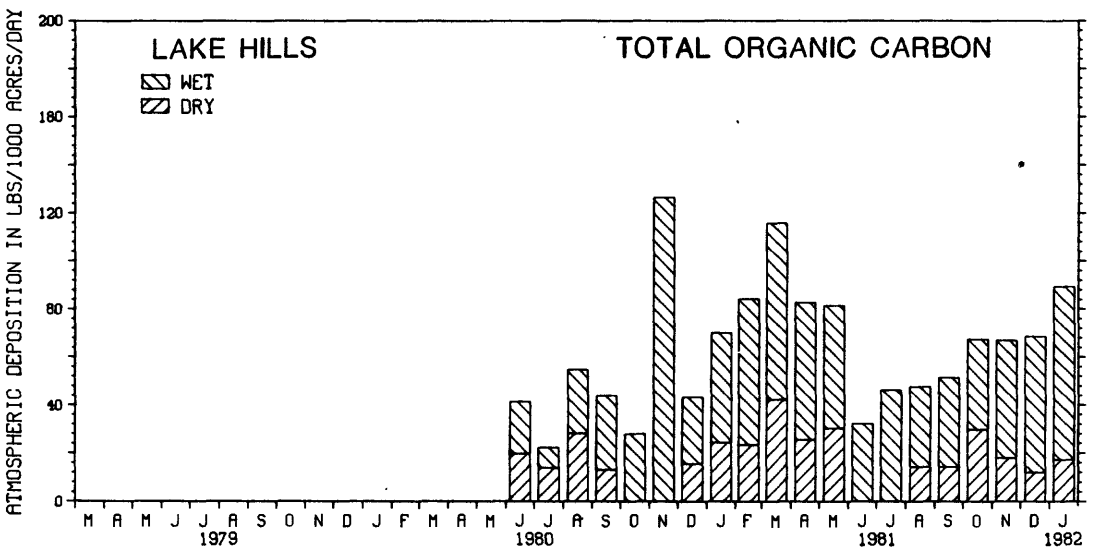


FIGURE 7.--Continued





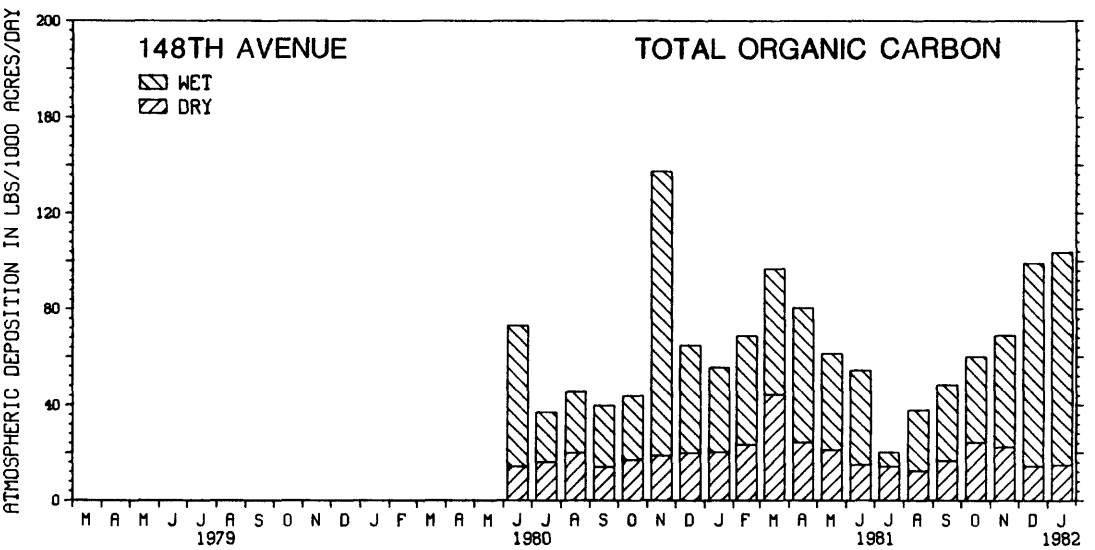


FIGURE 7.--Continued

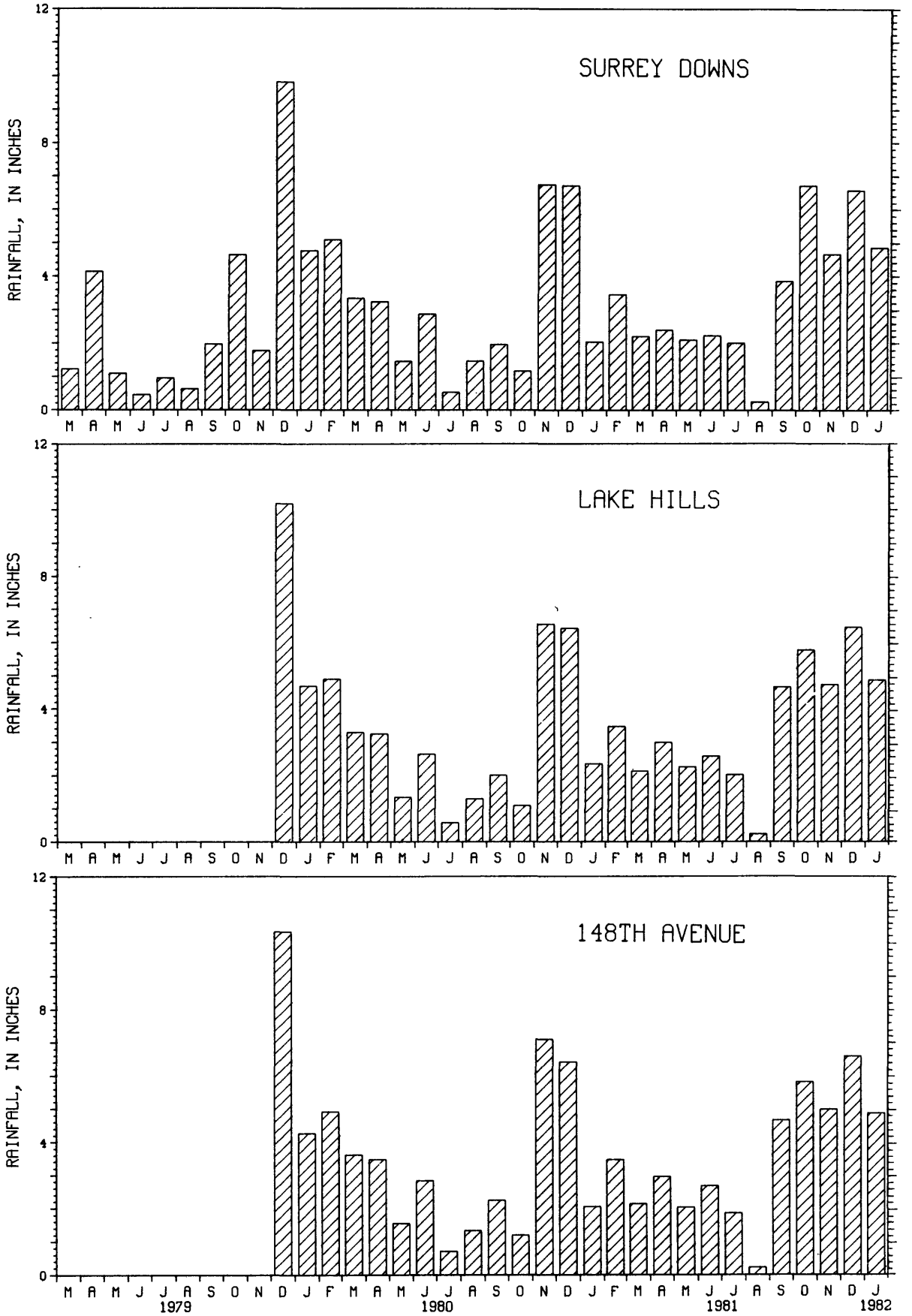


FIGURE 8.--Monthly precipitation at gages located at the catchment outlets.

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 (page 91 follows)

BASIC DATA TABLES

The tables that follow include daily discharge and precipitation data and the results of individual analyses for constituents in storm runoff and wet and dry deposition.

TABLE 9.--Loads of constituents in runoff from sampled storms. Loads are in pounds per 1,000 acres, except for fecal coliform bacteria, which are in millions of colonies per acre

Variable name	Variable identification
COD TOTAL	Total chemical oxygen demand
5-DAY BOD	Carbonaceous biochemical oxygen demand, 5-day
U-BOD	Carbonaceous biochemical oxygen demand, ultimate
FECAL COLI.	Fecal coliform bacteria
DISS. SOLIDS	Dissolved solids
SUSP. SOLIDS	Suspended solids
DNOX	Dissolved nitrite plus nitrate (as N)
DNH4	Dissolved ammonia (as N)
TKJN	Total ammonia plus organic nitrogen (as N)
DKJN	Dissolved ammonia plus organic nitrogen (as N)
T-P	Total phosphorus (as P)
D-P	Dissolved phosphorus (as P)
TOTAL LEAD	Total recoverable lead
DOC	Dissolved organic carbon
SOC	Suspended organic carbon

TABLE 9.--Continued

12120005 - Surrey Downs storm-sewer outfall at Bellevue, Washington

BEGIN DATE	BEGIN TIME	END DATE	END TIME	COD TOTAL	5-DAY BOD	U-BOD	FECAL COLI.	DISS. SOLIDS	SUSP. SOLIDS	DNOX	DNH4	TKJN	DKJN	T-P	D-P	TOTAL LEAD	DOC	SOC
791024	7:20	791024	16:25	500	110	260	-	230	340	1.40	0.02	13.0	9.3	1.20	0.74	0.86	76.0	13.0
791201	11:10	791202	3:50	1700	-	-	160	1400	2200	19.00	5.40	68.0	37.0	7.90	3.70	5.40	350.0	50.0
800225	13:30	800225	20:30	410	-	-	73	200	1200	1.10	0.33	5.8	2.4	1.20	0.10	0.90	56.0	26.0
800225	20:35	800226	8:00	-	-	-	-	550	910	-	-	-	-	-	-	-	-	-
800226	8:10	800227	20:00	-	-	-	-	3400	2200	-	-	-	-	-	-	-	-	-
800312	14:00	800312	22:05	510	63	140	54	320	960	2.00	1.20	11.0	5.7	1.50	0.24	2.00	42.0	29.0
800319	19:25	800320	5:15	290	37	61	-	380	310	3.30	0.89	7.5	6.1	0.78	0.16	0.74	50.0	13.0
800405	0:15	800405	3:30	150	28	62	6	110	130	1.20	0.90	3.7	2.8	0.63	0.27	0.32	33.0	3.8
800418	20:50	800419	13:00	1200	-	-	-	590	1200	3.40	0.42	42.0	13.0	3.10	0.54	2.60	170.0	110.0
800520	11:05	800520	13:55	120	18	39	22	82	39	0.98	0.38	1.5	1.4	0.17	0.08	0.15	20.0	1.6
800704	1:30	800704	6:10	140	17	39	25	110	63	1.50	0.67	3.9	3.7	0.46	0.16	0.18	39.0	2.4
800817	21:05	800817	23:00	2000	-	-	400	460	3800	6.00	5.50	35.0	18.0	7.10	3.20	7.20	280.0	77.0
801012	15:15	801012	19:00	-	-	-	-	-	-	-	0.23	-	-	-	-	-	-	-
801031	11:50	801031	14:55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
801101	0:00	801101	3:20	140	-	-	540	160	110	1.10	0.31	6.8	3.4	1.20	0.69	0.16	28.0	6.4
801214	5:10	801214	9:40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
810117	9:35	810117	13:30	240	-	-	-	110	450	0.76	0.74	5.1	2.2	0.51	0.14	0.54	40.0	7.5
810211	11:15	810211	18:20	460	45	-	4	190	500	2.00	1.10	9.0	4.0	1.30	0.44	0.88	59.0	14.0
810211	20:55	810212	5:20	770	42	-	65	320	1200	2.80	1.40	17.0	6.6	2.40	0.77	2.60	77.0	37.0
810213	12:05	810213	14:09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
810218	19:20	810218	21:20	240	-	-	-	160	430	1.50	0.34	5.7	2.4	0.63	0.22	0.69	30.0	12.0
810219	2:40	810219	6:50	1100	-	-	-	590	3200	8.50	0.95	35.0	14.0	2.50	0.42	4.50	92.0	77.0
810324	21:00	810325	1:40	350	30	-	5	190	200	1.40	0.92	8.2	4.7	0.62	0.30	0.44	60.0	7.5
810524	17:10	810524	21:05	-	-	-	-	190	-	-	-	-	-	-	-	-	-	-
810605	14:00	810605	22:00	940	-	-	-	370	1100	3.40	2.30	18.0	11.0	2.20	1.10	2.90	180.0	100.0
810630	16:15	810630	20:00	1100	-	-	-	410	1300	3.60	5.00	31.0	17.0	5.10	3.70	2.80	230.0	28.0
810829	22:30	810829	23:55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
810831	20:45	810901	0:30	-	-	-	-	100	390	-	-	-	-	-	-	-	-	-
810920	14:25	810920	21:00	350	21	-	100	82	610	0.54	0.81	8.1	3.2	0.95	0.18	1.00	33.0	33.0
811027	12:55	811027	16:00	240	-	-	-	100	160	0.66	0.43	4.9	2.5	0.59	0.41	0.38	45.0	11.0
811201	2:05	811201	5:15	-	-	-	-	84	180	-	-	-	-	-	-	-	-	-
811201	16:15	811201	22:00	460	-	-	-	270	190	1.70	1.60	4.6	3.5	0.69	0.32	0.44	42.0	14.0
811202	1:15	811202	6:45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
811203	15:10	811204	1:00	490	-	-	-	610	280	1.90	0.92	5.7	4.0	0.36	0.16	0.78	56.0	15.0
820115	11:00	820116	11:45	1800	150	-	260	1600	2200	12.00	6.90	32.0	29.0	3.70	1.00	3.90	240.0	120.0
820116	11:50	820116	18:00	250	26	-	-	400	190	3.20	0.88	5.7	4.9	-	0.19	0.49	40.0	14.0
820117	12:40	820117	17:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 9.--Continued

12119725 - Lake Hills storm-sewer outfall at Bellevue, Washington

BEGIN DATE	BEGIN TIME	END DATE	END TIME	COD TOTAL	5-DAY BOD	U-BOD	FECAL COLI.	DISS. SOLIDS	SUSP. SOLIDS	DNOX	DNH4	TKJN	DKJN	T-P	D-P	TOTAL LEAD	DOC	SOC
791024	7:25	791024	16:25	1800	290	780	-	570	1500	3.40	0.12	22.0	20.0	4.70	2.50	3.80	170.0	62.0
791201	11:15	791202	3:50	3700	-	-	320	2900	6700	38.00	10.00	130	82.0	22.00	11.00	15.00	750.0	160.0
800225	13:45	800225	21:00	300	-	-	94	140	350	0.62	0.07	4.1	1.1	0.73	0.16	1.00	43.0	18.0
800225	21:05	800226	8:00	-	-	-	-	630	450	-	-	-	-	-	-	-	-	-
800226	8:10	800227	20:00	-	-	-	-	1900	2600	-	-	-	-	-	-	-	-	-
800312	13:50	800312	22:10	330	51	93	19	200	430	0.84	0.30	6.7	3.3	1.00	0.25	1.30	37.0	17.0
800319	19:55	800320	5:15	280	41	67	-	330	290	2.60	0.45	7.9	6.0	0.80	0.17	0.91	53.0	7.9
800405	0:25	800405	3:30	100	26	52	17	66	35	1.10	0.48	2.0	1.7	0.20	0.18	0.19	23.0	1.7
800418	19:50	800419	13:00	1300	-	-	-	710	2600	2.70	0.74	34.0	17.0	4.90	1.20	4.10	180.0	180.0
800520	11:00	800520	13:55	63	10	19	78	40	32	0.55	0.34	1.4	1.0	0.14	0.08	0.18	9.7	1.2
800704	1:05	800704	6:10	170	21	55	23	180	55	0.79	0.57	4.2	2.9	0.35	0.21	0.52	31.0	5.2
800817	21:05	800817	23:10	5600	-	-	1700	1200	11900	17.00	12.00	90.0	44.0	27.00	11.00	31.00	380.0	260.0
801012	15:25	801012	19:00	180	-	-	-	81	120	0.80	0.19	3.0	2.0	0.43	0.41	0.58	27.0	6.8
801031	11:30	801031	14:50	260	36	-	13	78	220	0.72	0.42	4.6	2.4	1.30	-	1.30	-	9.2
801101	0:00	801101	3:20	240	-	-	45	130	-	0.93	0.58	7.1	3.4	1.80	0.68	0.75	33.0	15.0
801214	5:10	801214	8:00	510	-	-	-	120	1000	0.19	0.01	9.6	2.7	1.10	0.43	1.90	42.0	30.0
810117	10:50	810117	13:30	100	-	-	-	50	70	0.39	0.30	1.4	0.9	0.22	0.06	0.24	19.0	2.7
810211	11:30	810211	18:40	390	64	-	8	170	480	1.20	0.55	7.6	3.0	1.20	0.25	1.10	43.0	15.0
810211	21:05	810212	5:15	970	45	-	36	400	2200	3.20	1.90	26.0	11.0	4.60	1.40	4.50	88.0	40.0
810213	11:40	810213	14:10	-	-	-	-	-	84	-	-	-	-	-	-	0.18	-	2.5
810218	19:15	810218	21:30	260	16	-	-	87	530	0.31	0.21	6.1	1.1	0.95	0.18	1.10	21.0	11.0
810219	2:40	810219	6:50	1300	-	-	-	320	6600	2.30	0.76	15.0	6.4	2.60	0.27	6.90	50.0	77.0
810324	21:00	810325	1:40	210	30	-	18	130	180	0.74	0.51	4.1	2.9	0.67	0.30	0.48	45.0	5.3
810524	17:00	810524	21:00	-	-	-	-	190	-	-	-	-	-	-	-	-	-	-
810605	14:10	810605	22:00	1100	-	-	-	480	1600	2.50	11.00	33.0	22.0	9.60	5.90	5.00	110.0	70.0
810630	15:55	810630	20:00	2000	-	-	-	610	3300	4.20	11.00	64.0	27.0	11.00	6.40	7.00	290.0	81.0
810829	22:45	810829	23:55	160	-	-	-	58	66	1.00	1.40	3.9	3.1	0.47	0.14	0.26	24.0	0.9
810831	21:20	810901	0:30	-	-	-	-	37	-	-	-	-	-	-	-	-	-	-
810920	15:00	810920	21:00	330	20	-	360	110	300	0.49	1.00	7.2	4.8	0.97	0.27	0.63	39.0	16.0
811027	12:00	811027	16:05	150	-	-	-	80	61	0.58	0.71	3.4	2.4	0.63	0.39	0.27	37.0	6.2
811201	2:05	811201	5:15	-	-	-	-	45	18	-	-	-	-	-	-	-	-	-
811201	16:10	811201	22:00	420	-	-	-	230	140	1.20	1.70	3.8	3.4	0.68	0.48	0.42	41.0	10.0
811202	1:10	811202	6:40	1900	-	-	-	420	1800	3.90	4.80	26.0	11.0	3.50	1.30	4.30	85.0	84.0
811203	15:10	811204	1:15	270	-	-	-	450	150	0.85	0.58	4.0	2.7	0.35	0.16	0.53	29.0	13.0
820115	10:25	820116	11:45	1600	120	-	-	1600	2000	8.80	6.50	39.0	38.0	8.50	1.70	4.60	280.0	120.0
820116	11:50	820116	18:00	350	44	-	37	360	390	1.60	1.40	8.4	6.2	1.20	0.30	1.10	100.0	24.0
820117	12:30	820117	17:00	320	-	-	-	240	390	1.10	1.10	8.6	3.9	0.40	0.36	0.99	39.0	20.0

TABLE 9.--Continued

12119730 - 148th Avenue S.E. storm sewer below Lake Hills Boulevard at Bellevue, Washington

BEGIN DATE	BEGIN TIME	END DATE	END TIME	COD TOTAL	5-DAY BOD	U-BOD	FECAL COLI.	DISS. SOLIDS	SUSP. SOLIDS	DNOX	DNH4	TKJN	DKJN	T-P	D-P	TOTAL LEAD	DOC	SOC
791213	11:35	791213	21:30	3000	-	-	160	2200	3200	8.80	0.17	38.0	22.0	6.30	0.35	11.00	240.0	110.0
800131	14:45	800201	10:05	1100	170	270	-	670	1500	3.80	3.20	8.9	6.3	-	-	4.70	150.0	61.0
800319	19:50	800320	3:25	160	19	39	-	240	170	2.10	0.55	5.5	2.9	0.26	0.06	0.47	33.0	6.3
800418	19:40	800419	14:20	1700	-	-	-	990	1900	5.00	1.00	35.0	23.0	3.70	0.40	6.60	260.0	110.0
800616	15:40	800616	19:00	5400	630	960	210	1600	8700	21.00	21.00	80.0	50.0	8.70	2.30	18.00	680.0	230.0
801101	0:20	801101	3:05	310	49	-	9	160	320	1.10	0.60	11.0	6.8	2.10	1.10	1.10	67.0	17.0
810117	10:20	810117	12:35	310	-	-	-	360	140	3.10	2.20	5.6	4.6	0.25	0.16	0.62	70.0	7.2
810120	20:10	810121	8:20	3700	210	-	16	700	2900	5.00	4.30	29.0	16.0	2.90	1.50	8.10	220.0	95.0
810211	11:35	810212	2:55	5200	350	-	40	1800	8900	11.00	10.00	77.0	37.0	13.00	3.50	19.00	350.0	170.0
810213	12:30	810213	14:00	600	-	-	-	160	780	1.00	0.37	5.6	3.2	1.40	0.38	1.50	29.0	19.0
810218	20:00	810218	22:30	1700	82	-	64	400	2400	1.90	0.61	22.0	3.6	3.80	0.57	6.70	75.0	66.0
810324	21:10	810325	1:00	-	-	-	-	-	560	-	-	-	-	-	-	-	-	-
810524	16:55	810525	8:30	-	-	-	-	1200	-	-	-	-	-	5.00	-	6.00	-	-
810605	14:10	810605	22:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
810706	19:45	810707	3:00	2700	-	-	-	1200	1800	27.00	21.00	75.0	51.0	8.30	4.90	6.40	370.0	68.0
810901	15:20	810901	17:30	-	-	-	-	360	1800	-	-	-	-	-	-	-	-	-
810921	9:00	810921	14:10	2100	180	-	490	810	1900	3.40	5.40	35.0	-	4.30	1.20	6.10	230.0	91.0
811005	12:40	811005	17:00	1200	140	210	210	560	600	5.70	5.30	14.0	11.0	1.40	1.00	2.00	140.0	27.0
811027	0:25	811027	3:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.5
811027	7:55	811027	11:00	680	93	-	58	260	430	2.60	3.30	10.0	8.8	1.50	-	-	130.0	-
811113	8:25	811113	12:00	390	-	-	-	190	520	1.60	1.50	5.3	3.3	0.51	0.19	1.30	69.0	52.0
811218	19:25	811219	10:00	3600	-	-	-	1600	5900	9.50	7.00	36.0	27.0	7.10	0.73	3.90	270.0	130.0
820125	10:10	820125	15:00	930	-	-	-	430	1800	3.20	2.80	11.0	6.3	0.80	0.25	3.50	59.0	47.0

TABLE 9.--Continued

473542122083001 - 148th Avenue S.E. detention basin No. 3 outlet at Bellevue, WA

BEGIN DATE	BEGIN TIME	END DATE	END TIME	COD TOTAL	5-DAY BOD	U-BOD	FECAL COLI.	DISS. SOLIDS	SUSP. SOLIDS	DNOX	DNH4	TKJN	DKJN	T-P	D-P	TOTAL LEAD	DOC	SOC
810605	14:15	810605	21:00	2100	-	-	-	540	2900	6.50	4.10	30.0	16.0	4.30	0.58	6.90	170.0	110.0
810921	9:00	810921	12:05	1300	66	-	85	450	2600	1.60	2.90	18.0	14.0	2.30	0.39	3.10	130.0	64.0
811005	12:40	811005	17:00	1000	110	-	-	430	690	-	5.20	13.0	10.0	1.20	0.53	2.20	100.0	37.0
811027	7:55	811027	11:00	530	-	-	-	200	340	-	-	7.1	-	-	-	1.20	-	18.0
811113	8:25	811113	12:00	400	27	-	200	160	420	1.50	1.30	5.0	2.8	0.45	0.07	1.10	65.0	45.0
811218	19:25	811219	11:00	4900	-	-	-	2400	13000	15.00	13.00	58.0	44.0	13.00	1.10	6.30	410.0	220.0
820125	10:10	820125	18:00	1200	-	-	-	660	1900	4.50	3.90	17.0	9.5	2.00	0.42	4.20	110.0	51.0

473544122083001 - 148th Avenue S.E. detention basin No. 5 outlet at Bellevue, WA

BEGIN DATE	BEGIN TIME	END DATE	END TIME	COD TOTAL	5-DAY BOD	U-BOD	FECAL COLI.	DISS. SOLIDS	SUSP. SOLIDS	DNOX	DNH4	TKJN	DKJN	T-P	D-P	TOTAL LEAD	DOC	SOC
810605	14:20	810605	21:30	1800	-	-	-	590	1800	-	5.40	28.0	16.0	3.40	0.63	7.40	170.0	74.0
810921	9:00	810921	13:15	940	120	-	120	480	1600	1.50	3.10	20.0	-	2.40	0.42	2.70	150.0	-
811005	12:40	811005	17:00	1000	100	-	140	510	760	4.10	4.20	12.0	8.4	0.73	0.44	2.20	100.0	26.0
811027	7:55	811027	11:00	550	66	-	50	200	370	1.70	2.70	6.3	6.5	0.79	0.40	1.20	71.0	18.0
811113	8:25	811113	12:00	400	23	-	210	180	510	2.40	1.20	4.9	2.9	0.41	0.11	1.00	75.0	42.0
811218	19:25	811219	11:00	4300	-	-	-	2500	11000	16.00	10.00	58.0	46.0	12.00	3.00	7.10	350.0	250.0
820125	10:10	820125	18:00	1000	-	-	-	760	2200	5.60	4.00	18.0	12.0	1.70	0.48	3.80	81.0	59.0

TABLE 10.--Mean annual loads of water-quality constituents in storm runoff. Loads are in pounds per acre unless otherwise indicated

Constituent	Surrey Downs	Lake Hills	148th Avenue
Chemical oxygen demand	140	160	610
BOD, 5-day	12	13	65
BOD, ultimate	44	56	154
Fecal-coliform bacteria (millions of colonies per acre)	24,000	33,000	39,000
Dissolved solids	99	77	259
Suspended solids	190	250	770
Nitrite plus nitrate, dissolved	.80	.61	2.0
Ammonia, dissolved	.36	.42	1.6
Ammonia plus organic nitrogen, total	3.4	3.4	8.8
Ammonia plus organic nitrogen, dissolved	1.9	2.0	5.2
Phosphorus, total	.42	.67	1.2
Phosphorus, dissolved	.17	.28	.34
Lead, total recoverable	.38	.59	1.8
Organic carbon, dissolved	21	18	60
Organic carbon, suspended	7.3	8.0	23

TABLE 11.--Maximum, minimum, and median concentrations of water-quality constituents in storm runoff. Values are in milligrams per liter unless otherwise indicated

CONSTITUENT OR PROPERTY	148TH AVENUE 12119730				LAKE HILLS 12119725				SURREY DOWNS 12120005			
	MAX.	MIN.	MEDIAN	NO. OF SAMPLES	MAX.	MIN.	MEDIAN	NO. OF SAMPLES	MAX.	MIN.	MEDIAN	NO. OF SAMPLES
SPECIFIC CONDUCTANCE (MICROMHOS/CM @ 25 DEG. C)	690	15	47	369	1480	12	33	515	303	15	44	415
PH (UNITS)	7.9	3.4	6.7	305	7.3	5.8	6.7	430	7.6	5.9	6.7	358
CHEMICAL OXYGEN DEMAND	320	14	79	186	780	8	44	266	410	9	58	229
CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND, 5-DAY	40	0.8	8.4	109	33	0.0	5.4	115	36	0.0	6.1	97
CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND, ULTIMATE	115	3.5	20	39	77	3.5	19	51	99	4.0	20	48
SUSPENDED ORGANIC CARBON	18	0.2	2.6	183	40	0.0	1.8	242	38	0.1	2.0	213
DISSOLVED ORGANIC CARBON	47	2.6	8.3	189	120	1.3	6.2	266	74	0.2	7.9	226
FECAL COLIFORM, 0.7 UM-MF (COLONIES PER 100 ML)	19000	1	645	94	66000	1	1000	120	24000	1	1300	112
SUSPENDED SOLIDS,RESIDUE AT 105 DEG. C	2740	6	72	324	1410	1	34	470	662	2	43	386
DISSOLVED SOLIDS, RESIDUE AT 180 DEG. C	131	12	39	60	788	8	32	94	138	12	34	87
DISSOLVED NITRITE PLUS NITRATE (AS N)	2.1	0.04	0.26	189	2.9	0.00	0.15	272	4.5	0.06	0.23	230
DISSOLVED AMMONIA (AS N)	6.5	0.00	0.20	188	7.2	0.00	0.09	271	2.3	0.00	0.12	230
TOTAL AMMONIA PLUS ORGANIC NITROGEN (AS N)	45	0.25	1.20	189	15	0.27	0.98	268	12	0.21	1.10	230
DISSOLVED AMMONIA PLUS ORGANIC NITROGEN (AS N)	33	0.23	0.68	188	9.8	0.00	0.56	269	7.5	0.00	0.66	229
TOTAL PHOSPHORUS (AS P)	9.20	0.02	0.15	198	2.90	0.01	0.15	266	5.60	0.02	0.14	222
DISSOLVED PHOSPHORUS (AS P)	7.20	0.00	0.06	189	0.73	0.01	0.06	268	3.50	0.00	0.05	228
TOTAL LEAD (UG/L AS PB)	1500	4	210	196	4800	5	110	267	1800	5	99	230

TABLE 12.--Mean monthly and mean annual deposition rates for constituents in wet- and dry-atmospheric deposition (rates are in pounds per 1,000 acres per day)

Period	Total solids		Total COD		Total nitrite plus nitrate		Total ammonia		Total ammonia plus organic nitrogen		Total phosphorus		Total recoverable lead		Total organic carbon	
	Wet	Dry	Wet	Dry	Wet	Dry	Wet	Dry	Wet	Dry	Wet	Dry	Wet	Dry	Wet	Dry
SURREY DOWNS																
JAN	61	200	230	98	4.34	0.96	3.44	1.6	9.8	2.9	0.268	0.11	0.28	0.29	48	16
FEB	180	190	210	180	3.34	1.7	1.84	1.5	20	6.2	.125	.23	.95	.32	49	21
MAR	100	290	210	360	2.44	2.5	1.02	.50	7.1	7.9	.116	.41	.48	.87	32	50
APR	100	240	710	370	3.02	2.6	2.11	.61	13	5.8	.178	.50	.60	.90	50	50
MAY	39	190	290	130	5.19	.76	2.83	1.0	12	4.8	.607	.41	.81	.36	45	37
JUN	38	240	290	150	2.36	.74	1.46	.62	7.2	4.6	.848	.33	.31	.35	35	31
JUL	80	260	200	210	1.64	1.0	.705	.11	2.9	3.1	.161	.27	.15*	.42	21	36
AUG	62	670	300	170	5.35	1.2	1.59	.72	2.0	2.9	.027	.25	.12	.45	26	24
SEP	60	170	380	240	13.3	2.0	1.53	1.0	5.4	5.5	.187	.87	.16	.40	34	21
OCT	35	82	370	120	3.38	1.3	1.89	1.5	8.5	6.2	.214	.41	.21	.34	56	26
NOV	150	81	580	120	3.36	.60	2.74	1.6	13	2.9	.339	.04	.34	.29	69	19
DEC	150	140	640	210	5.70	1.0	4.07	.88	22	5.8	.482	.22	.27	.29	54	45
MEAN ANNUAL	87	230	370	200	4.45	1.4	2.11	.95	10	4.9	.294	.34	.39	.44	41	31
LAKE HILLS																
JAN	34	86	570	110	3.39	1.4	3.08	2.2	9.8	3.1	.294	.11	.20	.31	59	21
FEB	94	160	210	200	4.25	1.4	2.36	1.2	7.8	5.4	.232	.23	.98	.26	62	23
MAR	72	250	710	470	5.06	2.4	.732	.25	5.6	11	.071	.17	.26	.21	74	42
APR	74	170	2000	460	.892	--	.526	--	8.9	5.6	.043	.30	.56	.29	57	26
MAY	33	120	640	120	3.25	--	1.39	--	7.8	5.3	.054	.18	1.1	.28	52	30
JUN	32	230	290	200	2.48	.94	1.42	.45	8.9	4.3	.205	.44	.35	.26	27	20
JUL	51	210	120	98	3.06	.97	1.00	.47	6.1	3.0	.134	.08	.13	.22	28	14
AUG	40	900	550	220	19.5	3.4	.85	.85	3.6	6.6	.036	2.3	.12	.40	30	21
SEP	39	170	500	210	13.2	4.5	2.59	1.0	12	4.6	.259	2.5	.42	.25	34	13
OCT	200	110	250	89	3.42	1.4	2.46	2.1	13	4.8	.250	.84	.15	.21	33	29
NOV	110	100	550	88	3.08	1.2	3.54	2.0	13	4.2	.410	.08	.25	.21	88	18
DEC	100	85	590	77	4.26	1.5	3.87	1.8	12	2.9	.339	.09	.15	.20	42	13
MEAN ANNUAL	73	150	580	200	5.50	1.9	1.99	1.2	9.1	5.0	.205	.61	.38	.26	49	22
148th AVENUE																
JAN	130	150	200	98	3.25	1.5	2.35	1.9	6.1	3.6	.303	.12	.17	.41	62	18
FEB	47	250	620	230	4.08	1.6	2.35	1.2	8.9	8.9	.143	.18	.75	.36	46	23
MAR	60	450	680	500	5.06	2.8	.553	.18	8.4	9.8	.089	.14	.25	.36	53	45
APR	90	270	1800	440	.928	--	.580	--	19	3.6	.196	.26	.52	.47	56	24
MAY	73	190	220	110	3.02	.46	1.56	1.1	8.0	3.7	.054	.17	1.4	.46	40	21
JUNE	52	280	210	130	2.78	.24	1.51	.74	11	4.1	.143	.37	.54	.48	49	14
JUL	41	260	210	130	2.29	.87	.669	.79	5.4	4.6	.161	.70	.15	.35	13	15
AUG	32	540	530	160	11.3	1.7	.553	1.4	4.4	3.3	.178	.39	.13	.48	26	16
SEP	53	290	620	200	27.7	2.2	2.58	.95	9.8	4.5	.509	.62	.15	.37	29	15
OCT	49	130	380	130	4.27	1.4	3.01	1.5	12	3.5	.312	.84	.14	.27	29	21
NOV	110	120	750	120	2.56	1.3	3.54	1.5	18	2.9	.500	.10	1.2	.14	83	21
DEC	130	140	620	89	2.86	1.5	3.71	1.6	21	3.2	.232	.09	.79	.29	65	17
MEAN ANNUAL	72	260	570	150	5.83	1.4	1.91	1.2	11	4.6	.232	.33	0.52	.37	46	21

*High July 1979 value not used in average.

TABLE 13.--Contributions of loads in rain to observed loads of constituents in runoff. Loads are in pounds per 1,000 acres

Variable name	Variable identification
COD TOTAL	Total chemical oxygen demand
DISS. SOLIDS	Dissolved solids
SUSP. SOLIDS	Suspended solids
DNOX	Dissolved nitrite plus nitrate (as N)
DNH4	Dissolved ammonia (as N)
TKJN	Total ammonia plus organic nitrogen (as N)
DKJN	Dissolved ammonia plus organic nitrogen (as N)
T-P	Total phosphorus (as P)
D-P	Dissolved phosphorus (as P)
LEAD	Total recoverable lead
DOC	Dissolved organic carbon
SOC	Suspended organic carbon

TABLE 13.--Continued

Surrey Downs Catchment

BEGIN DATE	BEGIN TIME	END DATE	END TIME	COD TOTAL	DISS. SOLIDS	SUSP. SOLIDS	DNOX	DNH4	TKJN	DKJN	T-P	D-P	LEAD	DOC	SOC
791024	7:20	791024	16:25	110	-	-	1.660	0.112	3.90	2.90	0.087	0.087	0.149	14.0	1.20
791201	11:10	791202	3:50	-	-	-	-	-	-	-	-	-	-	-	-
800225	13:30	800225	20:30	-	-	-	-	-	-	-	-	-	-	-	-
800225	20:35	800226	8:00	-	-	-	-	-	-	-	-	-	-	-	-
800226	8:10	800227	20:00	-	-	-	-	-	-	-	-	-	-	-	-
800312	14:00	800312	22:05	-	-	-	-	-	-	-	-	-	-	-	-
800319	19:25	800320	5:15	-	-	-	2.770	0.990	4.10	-	0.077	-	0.095	-	-
800405	0:15	800405	3:30	-	-	-	0.904	0.698	2.50	-	0.057	-	0.054	-	-
800418	20:50	800419	13:00	110	-	-	0.620	-	23.00	13.00	0.075	0.000	-	26.0	3.80
800520	11:05	800520	13:55	14	-	-	-	-	0.48	0.45	0.007	0.035	0.019	2.2	0.20
800704	1:30	800704	6:10	-	-	-	0.140	0.015	0.57	-	0.023	-	0.050	-	-
800817	21:05	800817	23:00	130	-	24.0	0.000	0.683	4.60	5.20	0.000	0.506	0.130	27.0	1.20
801012	15:15	801012	19:00	-	-	-	0.652	0.326	0.90	-	0.016	-	0.031	-	-
801031	11:50	801031	14:55	-	-	-	-	-	-	-	-	-	-	-	-
801101	0:00	801101	3:20	15	23	-	0.223	0.343	3.70	-	0.039	-	0.023	6.2	0.77
801214	5:10	801214	9:40	-	-	-	-	-	-	-	-	-	-	-	-
810117	9:35	810117	13:30	33	-	-	0.139	0.220	0.88	0.22	0.018	0.014	0.020	2.7	0.00
810211	11:15	810211	18:20	30	-	0.0	0.598	0.453	2.30	0.50	0.015	0.000	0.174	8.5	0.50
810211	20:55	810212	5:20	87	-	0.0	1.740	1.320	6.80	1.40	0.043	0.000	0.507	25.0	1.40
810213	12:05	810213	14:09	-	-	-	-	-	-	-	-	-	-	-	-
810218	19:20	810218	21:20	29	-	12.0	0.253	0.249	2.40	0.94	0.020	0.008	0.147	4.1	0.41
810219	2:40	810219	6:50	92	-	39.0	0.814	0.801	7.90	3.00	0.066	0.026	0.473	13.0	1.30
810324	21:00	810325	1:40	680	-	31.0	0.287	0.275	3.50	7.30	0.055	0.012	0.092	8.6	2.40
810524	17:10	810524	21:05	540	-	14.0	0.961	0.514	1.90	1.70	0.033	0.019	0.537	11.0	1.40
810605	14:00	810605	22:00	1400	-	37.0	2.470	1.320	4.90	4.40	0.086	0.049	1.380	28.0	3.70
810630	16:15	810630	20:00	100	-	-	1.240	0.457	6.90	4.00	0.043	0.043	0.080	17.0	2.20
810829	22:30	810829	23:55	-	-	-	-	-	-	-	-	-	-	-	-
810831	20:45	810901	0:30	-	-	-	0.785	0.550	1.30	-	0.012	-	0.092	-	-
810920	14:25	810920	21:00	150	16	0.0	0.514	0.368	1.60	1.00	0.067	0.051	0.035	2.9	0.95
811027	12:55	811027	16:00	68	0	10.0	0.265	0.527	2.10	2.00	0.041	0.041	0.027	4.4	-
811201	2:05	811201	5:15	49	16	2.0	0.151	0.357	0.45	0.45	0.002	0.002	0.008	1.8	0.20
811201	16:15	811201	22:00	170	56	7.0	0.520	1.230	1.50	1.50	0.007	0.007	0.028	6.3	0.70
811202	1:15	811202	6:45	-	-	-	-	-	-	-	-	-	-	-	-
811203	15:10	811204	1:00	170	58	7.2	0.536	1.270	1.60	1.60	0.007	0.007	0.029	6.5	0.72
820115	11:00	820116	11:45	470	0	52.0	10.900	7.610	24.00	18.00	0.521	0.521	0.521	94.0	5.20
820116	11:50	820116	18:00	53	0	5.9	1.230	0.860	2.80	2.00	0.059	0.059	0.059	11.0	0.59
820117	12:40	820117	17:00	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 13.--Continued

Lake Hills Catchment

BEGIN DATE	BEGIN TIME	END DATE	END TIME	COD TOTAL	DISS. SOLIDS	SUSP. SOLIDS	DNOX	DNH4	TKJN	DKJN	T-P	D-P	LEAD	DOC	SOC
791024	7:25	791024	16:25	-	-	-	-	-	-	-	-	-	-	-	-
791201	11:15	791202	3:50	-	-	-	-	-	-	-	-	-	-	-	-
800225	13:45	800225	21:00	-	-	-	-	-	-	-	-	-	-	-	-
800225	21:05	800226	8:00	-	-	-	-	-	-	-	-	-	-	-	-
800226	8:10	800227	20:00	-	-	-	-	-	-	-	-	-	-	-	-
800312	13:50	800312	22:10	-	-	-	-	-	-	-	-	-	-	-	-
800319	19:55	800320	5:15	-	-	-	-	-	-	-	-	-	-	-	-
800405	0:25	800405	3:30	-	-	-	-	-	-	-	-	-	-	-	-
800418	19:50	800419	13:00	-	-	-	-	-	-	-	-	-	-	-	-
800520	11:00	800520	13:55	-	-	-	-	-	-	-	-	-	-	-	-
800704	1:05	800704	6:10	-	-	-	0.149	0.046	0.22	-	0.008	-	0.023	-	-
800817	21:05	800817	23:10	230	-	168.0	0.000	2.680	16.00	16.00	0.000	1.110	0.670	57.0	6.70
801012	15:25	801012	19:00	-	-	-	0.898	0.306	2.00	-	0.044	-	0.032	-	-
801031	11:30	801031	14:50	3	27	8.8	0.165	0.286	5.00	-	0.027	-	0.018	8.0	0.59
801101	0:00	801101	3:20	5	43	14.0	0.266	0.461	9.00	-	0.043	-	0.029	13.0	0.95
801214	5:10	801214	8:00	72	-	20.0	0.420	0.204	2.00	0.33	0.033	0.000	0.020	0.0	0.00
810117	10:50	810117	13:30	-	-	-	0.054	0.072	0.50	0.13	0.006	0.000	0.006	8.2	0.09
810211	11:30	810211	18:40	43	-	14.0	0.685	0.471	1.00	0.76	0.000	0.000	0.124	10.0	0.48
810211	21:05	810212	5:15	180	-	61.0	2.940	2.020	6.00	3.00	0.000	0.000	0.530	45.0	2.00
810213	11:40	810213	14:10	27	-	8.8	0.424	0.292	0.80	0.47	0.000	0.000	0.077	6.5	0.29
810218	19:15	810218	21:30	23	-	12.0	0.239	0.304	1.00	1.00	0.019	0.008	0.177	3.1	0.77
810219	2:40	810219	6:50	87	-	43.0	0.899	1.150	4.00	4.00	0.072	0.029	0.667	12.0	2.90
810324	21:00	810325	1:40	550	-	20.0	0.194	0.115	2.00	5.00	0.040	0.010	0.100	8.0	4.00
810524	17:00	810524	21:00	750	-	31.0	1.590	0.685	4.00	1.00	0.069	0.039	0.786	8.5	3.10
810605	14:10	810605	22:00	1800	-	74.0	3.840	1.650	9.00	3.00	0.167	0.093	1.890	20.0	7.40
810630	15:55	810630	20:00	120	-	-	2.090	0.478	9.00	5.00	0.077	0.065	0.142	30.0	3.90
810829	22:45	810829	23:55	-	-	-	0.155	0.155	0.33	-	0.009	-	0.016	-	-
810831	21:20	810901	0:30	-	-	-	0.155	0.155	0.33	-	0.009	-	0.016	-	-
810920	15:00	810920	21:00	220	12	4.1	0.538	0.718	4.00	2.00	0.090	0.057	0.183	6.5	0.82
811027	12:00	811027	16:05	61	0	3.4	0.245	0.398	2.00	1.00	0.037	0.034	0.020	5.1	0.34
811201	2:05	811201	5:15	23	8	0.9	0.084	0.188	0.31	0.29	0.001	0.006	0.007	1.4	0.09
811201	16:10	811201	22:00	190	67	7.5	0.695	1.550	3.00	2.00	0.007	0.052	0.060	12.0	0.75
811202	1:10	811202	6:40	650	230	26.0	2.420	5.420	9.00	8.00	0.026	0.182	0.208	42.0	2.60
811203	15:10	811204	1:15	150	53	5.9	0.548	1.220	2.00	2.00	0.006	0.041	0.047	9.4	0.59
820115	10:25	820116	11:45	620	140	138.0	5.600	14.000	42.00	44.00	0.691	0.691	0.414	83.0	-
820116	11:50	820116	18:00	84	19	19.0	0.752	1.890	6.00	6.00	0.093	0.093	0.056	11.0	-
820117	12:30	820117	17:00	73	16	16.0	0.660	1.660	5.00	5.00	0.082	0.082	0.049	9.8	-

TABLE 13.--Continued

148th Avenue S.E. Catchment

BEGIN DATE	BEGIN TIME	END DATE	END TIME	COD TOTAL	DISS. SOLIDS	SUSP. SOLIDS	DNOX	DNH4	TKJN	DKJN	T-P	D-P	LEAD	DOC	SOC
791213	11:35	791213	21:30	-	-	-	-	-	-	-	-	-	-	-	-
800131	14:45	800201	10:05	-	-	-	-	-	-	-	-	-	-	-	-
800319	19:50	800320	3:25	-	-	-	-	-	-	-	-	-	-	-	-
800418	19:40	800419	14:20	-	-	-	-	-	-	-	-	-	-	-	-
800616	15:40	800616	19:00	400	-	-	8.070	3.840	13.00	-	0.298	-	0.496	89.0	6.60
801101	0:20	801101	3:05	9	63	-	0.698	0.661	7.00	-	0.109	-	0.054	19.0	1.80
810117	10:20	810117	12:35	-	-	-	0.107	0.172	0.78	0.67	0.018	0.018	0.018	14.0	0.18
810120	20:10	810121	8:20	46	-	69.0	3.860	1.500	5.00	3.00	0.208	0.000	0.185	28.0	4.60
810211	11:35	810212	2:55	180	-	122.0	0.061	6.090	25.00	24.00	0.548	0.000	2.130	116.0	6.10
810213	12:30	810213	14:00	110	-	2.9	0.424	0.271	0.94	0.47	0.012	0.006	0.080	2.4	0.29
810218	20:00	810218	22:30	340	-	8.8	1.270	0.813	3.00	1.00	0.035	0.018	0.239	7.1	0.88
810324	21:10	810325	1:00	1000	-	40.0	0.399	0.249	9.00	5.00	0.110	0.020	0.149	16.0	10.00
810524	16:55	810525	8:30	150	-	63.0	3.860	2.000	7.00	4.00	0.167	0.146	2.750	31.0	8.30
810605	14:10	810605	22:00	230	-	99.0	6.120	3.170	12.00	7.00	0.265	0.231	4.370	50.0	13.20
810706	19:45	810707	3:00	570	-	32.0	9.610	2.160	24.00	23.00	0.032	0.032	0.349	-	3.20
810901	15:20	810901	17:30	-	-	-	1.650	1.670	3.00	-	0.000	-	-	-	-
810921	9:00	810921	14:10	1200	0	22.0	3.220	3.000	12.00	8.20	0.399	0.332	0.177	29.0	4.40
811005	12:40	811005	17:00	160	0	9.5	1.270	0.923	3.00	2.00	0.124	0.105	0.038	4.8	0.95
811027	0:25	811027	3:00	76	0	5.4	0.381	0.728	3.00	2.00	0.049	0.054	0.016	7.6	0.54
811027	7:55	811027	11:00	54	0	3.9	0.270	0.516	2.00	2.00	0.035	0.039	0.012	5.4	0.39
811113	8:25	811113	12:00	-	-	-	-	-	-	-	-	-	-	-	-
811218	19:25	811219	10:00	710	-	-	2.890	8.480	13.00	-	0.059	-	0.236	82.0	5.90
820125	10:10	820125	15:00	65	-	7.2	0.790	0.855	3.00	2.00	0.072	0.225	0.058	7.2	0.72

TABLE 14.--Masses per unit area of dry-atmospheric deposition deposited in the period between a storm sampled for runoff quality and the preceding storm that had 0.2 inch or more of rain. Masses are in pounds per 1000 acres

Surrey Downs Catchment

BEGIN DATE	BEGIN TIME	END DATE	END TIME*	COD TOTAL	SOLIDS TOTAL	NITRO-GEN, NO2+NO3 TOTAL	NITRO-GEN, AMMONIA TOTAL	NITROGEN, AMMONIA + ORGANIC TOTAL	PHOS-PHORUS TOTAL	LEAD, TOTAL RECOVER-ABLE	CARBON, ORGANIC TOTAL
791024	16:25	791024	16:25	200.0	-	-	-	-	-	0.6000	-
791201	3:50	791202	3:50	-	-	-	-	-	-	-	-
800225	20:30	800225	20:30	-	-	-	-	-	-	-	-
800225	8:00	800226	8:00	-	-	-	-	-	-	-	-
800226	20:00	800227	20:00	-	-	-	-	-	-	-	-
800312	22:05	800312	22:05	-	-	-	-	-	-	-	-
800319	5:15	800320	5:15	340.0	-	2.800	1.000	13.000	0.8000	0.4400	78.00
800405	3:30	800405	3:30	2800.0	-	23.000	8.200	110.000	6.5000	3.5000	630.00
800418	13:00	800419	13:00	-	1600.0	-	-	-	-	9.7000	-
800520	13:55	800520	13:55	3300.0	4700.0	-	-	130.000	10.0000	7.0000	-
800704	6:10	800704	6:10	1600.0	2800.0	6.400	0.870	87.000	3.3000	3.5000	360.00
800817	23:00	800817	23:00	7900.0	29000.0	24.000	0.680	160.000	8.4000	18.0000	1400.00
801012	19:00	801012	19:00	1500.0	-	13.000	31.000	120.000	9.4000	4.7000	350.00
801031	14:55	801031	14:55	-	-	-	-	-	-	-	-
801101	3:20	801101	3:20	-	-	-	-	-	-	-	-
801214	9:40	801214	9:40	-	-	-	-	-	-	-	-
810117	13:30	810117	13:30	1800.0	1700.0	25.000	47.000	73.000	1.7000	8.0000	330.00
810211	18:20	810211	18:20	2300.0	2400.0	21.000	20.000	79.000	2.9000	4.3000	270.00
810211	5:20	810212	5:20	7.5	8.0	0.069	0.062	0.260	0.0096	0.0130	0.86
810213	14:09	810213	14:09	-	-	-	-	-	-	-	-
810218	21:20	810218	21:20	340.0	370.0	3.200	2.900	12.000	0.4400	0.6200	40.00
810219	6:50	810219	6:50	7.5	8.0	0.069	0.062	0.260	0.0096	0.0130	0.86
810324	1:40	810325	1:40	480.0	410.0	2.700	0.190	15.000	0.1000	0.2900	-
810524	21:05	810524	21:05	590.0	690.0	-	-	31.000	1.9000	1.6000	130.00
810605	22:00	810605	22:00	1900.0	2400.0	7.500	22.000	78.000	3.6000	3.8000	400.00
810630	20:00	810630	20:00	2000.0	2000.0	5.400	10.000	43.000	2.1000	2.4000	340.00
810829	23:55	810829	23:55	-	-	-	-	-	-	-	-
810831	0:30	810901	0:30	11000.0	19000.0	32.000	25.000	140.000	16.0000	16.0000	-
810920	21:00	810920	21:00	660.0	220.0	1.800	1.300	6.600	3.7000	0.2700	17.00
811027	16:00	811027	16:00	7.4	8.7	0.140	0.300	0.450	0.0066	0.0230	3.30
811201	5:15	811201	5:15	730.0	680.0	1.900	7.300	18.000	0.2200	0.7600	98.00
811201	22:00	811201	22:00	790.0	730.0	2.100	7.900	20.000	0.2300	0.8200	110.00
811202	6:45	811202	6:45	-	-	-	-	-	-	-	-
811203	1:00	811204	1:00	110.0	100.0	0.290	11.000	2.800	0.0330	0.1200	15.00
820115	11:45	820116	11:45	360.0	1100.0	2.200	2.600	6.100	0.4600	0.5900	53.00
820116	18:00	820116	18:00	12.0	37.0	0.071	0.084	0.200	0.0150	0.0200	1.70
820117	17:00	820117	17:00	-	-	-	-	-	-	-	-

* Begin and end dates and times refer to the storm sampled for runoff quality.

TABLE 14.--Continued

Lake Hills Catchment

BEGIN DATE	BEGIN TIME	END DATE	END TIME*	COD TOTAL	SOLIDS TOTAL	NITRO-GEN, NO2+NO3 TOTAL	NITRO-GEN, AMMONIA TOTAL	NITROGEN, AMMONIA + ORGANIC TOTAL	PHOS-PHORUS TOTAL	LEAD, TOTAL RECOVER-ABLE	CARBON, ORGANIC TOTAL
791024	16:25	791024	16:25	-	-	-	-	-	-	-	-
791201	3:50	791202	3:50	-	-	-	-	-	-	-	-
800225	21:00	800225	21:00	-	-	-	-	-	-	-	-
800225	8:00	800226	8:00	-	-	-	-	-	-	-	-
800226	20:00	800227	20:00	-	-	-	-	-	-	-	-
800312	22:10	800312	22:10	-	-	-	-	-	-	-	-
800319	5:15	800320	5:15	-	-	-	-	-	-	-	-
800405	3:30	800405	3:30	-	-	-	-	-	-	-	-
800418	13:00	800419	13:00	-	-	-	-	-	-	-	-
800520	13:55	800520	13:55	-	-	-	-	-	-	-	-
800704	6:10	800704	6:10	1700.0	2600.0	8.200	3.900	37.000	3.8000	3.0000	170.00
800817	23:10	800817	23:10	4400.0	49000.0	25.000	19.000	210.000	9.7000	13.0000	920.00
801012	19:00	801012	19:00	1700.0	-	21.000	14.000	82.000	20.0000	3.6000	-
801031	14:50	801031	14:50	4200.0	-	44.000	50.000	180.000	-	8.8000	-
801101	3:20	801101	3:20	5.6	6.1	0.049	-	0.082	0.2200	0.0120	-
801214	8:00	801214	8:00	750.0	-	17.000	20.000	33.000	1.0000	2.0000	150.00
810117	13:30	810117	13:30	1400.0	1800.0	22.000	50.000	68.000	2.4000	6.6000	420.00
810211	18:40	810211	18:40	2400.0	2000.0	18.000	17.000	70.000	2.9000	3.5000	310.00
810211	5:15	810212	5:15	8.1	6.5	0.058	0.049	0.230	0.0096	0.0110	0.98
810213	14:10	810213	14:10	210.0	170.0	1.500	1.300	5.900	0.2500	0.2800	25.00
810218	21:30	810218	21:30	370.0	300.0	2.600	2.200	10.000	0.4400	0.4900	45.00
810219	6:50	810219	6:50	24.0	20.0	0.170	0.150	0.680	0.0290	0.0320	2.90
810324	1:40	810325	1:40	560.0	340.0	3.000	0.170	16.000	0.1200	0.2200	61.00
810524	21:00	810524	21:00	-	660.0	-	-	-	-	1.3000	-
810605	22:00	810605	22:00	-	1900.0	-	-	-	-	2.0000	-
810630	20:00	810630	20:00	-	2100.0	-	-	-	-	2.0000	-
810829	23:55	810829	23:55	-	8800.0	-	-	-	-	11.0000	-
810831	0:30	810901	0:30	-	9100.0	-	-	-	-	11.0000	-
810920	21:00	810920	21:00	420.0	200.0	0.580	1.300	8.500	5.4000	0.2800	18.00
811027	16:05	811027	16:05	5.4	9.2	0.190	0.330	0.480	0.0150	0.0200	3.70
811201	5:15	811201	5:15	320.0	440.0	7.900	12.000	21.000	0.4100	0.8200	63.00
811201	22:00	811201	22:00	340.0	480.0	8.500	13.000	22.000	0.4400	0.8800	68.00
811202	6:40	811202	6:40	350.0	500.0	8.800	13.000	23.000	0.4600	0.9200	71.00
811203	1:15	811204	1:15	52.0	73.0	1.300	2.000	3.500	0.0680	0.1400	10.00
820115	11:45	820116	11:45	460.0	240.0	5.900	6.000	8.300	0.2800	0.9000	64.00
820116	18:00	820116	18:00	31.0	16.0	0.390	0.400	0.550	0.0180	0.0600	4.30
820117	17:00	820117	17:00	100.0	53.0	1.300	1.300	1.800	0.0610	0.2000	14.00

* Begin and end dates and times refer to the storm sampled for runoff quality.

TABLE 14.--Continued

148th Avenue S.E. Catchment

BEGIN DATE	BEGIN TIME	END DATE	END TIME*	COD TOTAL	SOLIDS TOTAL	NITRO-GEN, NO2+NO3 TOTAL	NITRO-GEN, AMMONIA TOTAL	NITROGEN, AMMONIA + ORGANIC TOTAL	PHOS-PHORUS TOTAL	LEAD, TOTAL RECOVER-ABLE	CARBON, ORGANIC TOTAL
791213	21:30	791213	21:30	-	-	-	-	-	-	-	-
800131	10:05	800201	10:05	-	-	-	-	-	-	-	-
800319	3:25	800320	3:25	-	-	-	-	-	-	-	-
800418	14:20	800419	14:20	-	-	-	-	-	-	-	-
800616	19:00	800616	19:00	-	-	-	-	-	-	-	-
801101	3:05	801101	3:05	5.0	6.5	0.049	0.037	0.078	-	0.0006	0.78
810117	12:35	810117	12:35	1900.0	3500.0	24.000	42.000	76.000	24.0000	9.0000	350.00
810120	8:20	810121	8:20	2300.0	4200.0	28.000	50.000	91.000	28.0000	11.0000	420.00
810211	2:55	810212	2:55	3000.0	3200.0	20.000	16.000	110.000	2.3000	4.9000	300.00
810213	14:00	810213	14:00	29.0	31.0	0.190	0.140	1.100	0.0220	0.0450	2.90
810218	22:30	810218	22:30	470.0	490.0	3.100	2.300	18.000	0.3500	0.7200	47.00
810324	1:00	810325	1:00	600.0	620.0	3.400	0.077	14.000	0.1100	0.4500	63.00
810524	8:30	810525	8:30	560.0	940.0	-	-	18.000	0.8600	2.2000	100.00
810605	22:00	810605	22:00	1100.0	1800.0	4.600	14.000	30.000	1.7000	3.3000	150.00
810706	3:00	810707	3:00	1000.0	1800.0	3.900	6.400	30.000	6.7000	1.7000	86.00
810901	17:30	810901	17:30	11000.0	13000.0	59.000	53.000	143.000	24.0000	21.0000	620.00
810921	14:10	810921	14:10	16.0	21.0	0.051	0.048	0.230	0.0240	0.0130	0.70
811005	17:00	811005	17:00	650.0	600.0	4.200	5.000	15.000	0.4300	1.1000	72.00
811027	3:00	811027	3:00	3000.0	2000.0	25.000	40.000	71.000	2.5000	6.2000	470.00
811027	11:00	811027	11:00	3000.0	2000.0	26.000	41.000	73.000	2.5000	6.3000	480.00
811113	12:00	811113	12:00	220.0	120.0	2.100	3.600	5.300	0.2100	0.5000	40.00
811218	10:00	811219	10:00	190.0	210.0	3.400	4.900	11.000	0.1300	0.4800	41.00
820125	15:00	820125	15:00	120.0	150.0	2.500	2.100	3.900	0.1400	0.4600	22.00

* Begin and end dates and times refer to the storm sampled for runoff quality.

TABLE 15.--Maximum, minimum, and median concentrations of constituents in wet- and dry-atmospheric deposition. All concentrations in wet-atmospheric deposition are in milligrams per liter, and all dry-atmospheric-deposition concentrations are in grams per kilogram of total solids, except as noted below. The typical compositing period for dry deposition samples is about one month

Surrey Downs Catchment

Constituent	Wet deposition				Dry deposition			
	Max.	Min.	Median	Samples	Max.	Min.	Median	Samples
Specific conductance (umhos/cm)	52	8	18	47				
pH (units)	5.1	2.8	4.4	48				
Dissolved solids	44	0	7	20				
Suspended solids	21	0	3	27				
Total solids (lbs/acre)					23	2	6	31
Dissolved organic carbon	12.3	0.0	1.7	44				
Suspended organic carbon	1.6	0.0	0.3	42				
Total organic carbon					680	22	22	25
Chemical oxygen demand	113	2	12	44	3,500	130	940	29
Dissolved nitrite plus nitrate (as N)	2.7	.00	.13	45				
Total nitrite plus nitrate (as N)					32	0.02	5.7	24
Dissolved ammonia (as N)	.308	.000	.092	44				
Total ammonia (as N)					34	0.00	5.6	22
Dissolved ammonia plus organic nitrogen (as N)	1.20	.02	.36	42				
Total ammonia plus organic nitrogen (as N)	1.6	.12	.47	48	66	2.1	27	29
Dissolved phosphorus (as P)	0.13	.000	.004	41				
Total phosphorus (as P)	0.16	.000	.008	48	17	0.19	1.1	28
Dissolved lead	0.011	.000	.004	8				
Total lead	2.3	.000	.012	47	17	0.27	1.6	31

Lake Hills Catchment

Constituent	Wet deposition				Dry deposition			
	Max.	Min.	Median	Samples	Max.	Min.	Median	Samples
Specific conductance (umhos/cm)	76	8	17	34				
pH (units)	5.2	3.8	4.4	33				
Dissolved solids	16	0	2	13				
Suspended solids	5	0	3	24				
Total solids (lbs/acre)					45	2	5	19
Dissolved organic carbon	9.0	0.0	1.7	30				
Suspended organic carbon	0.8	0.0	0.2	26				
Total organic carbon					400	14	14	14
Chemical oxygen demand	111	1	10	28	3,111	50	730	16
Dissolved nitrite plus nitrate (as N)	3.0	.00	.12	32				
Total nitrite plus nitrate (as N)					83	0.01	8.9	14
Dissolved ammonia (as N)	.342	.023	.085	32				
Total ammonia (as N)					36	0.15	7.0	14
Dissolved ammonia plus organic nitrogen (as N)	.95	.05	.33	28				
Total ammonia plus organic nitrogen (as N)	1.8	.14	.42	33	53	3.3	35	16
Dissolved phosphorus (as P)	.063	.000	.004	28				
Total phosphorus (as P)	.042	.000	.008	33	27	0.16	1.3	15
Dissolved lead	.008	.000	.003	5				
Total lead	.102	.002	.011	34	3.8	0.14	1.5	19

148th Avenue S.E. Catchment

Constituent	Wet deposition				Dry deposition			
	Max.	Min.	Median	Samples	Max.	Min.	Median	Samples
Specific conductance (umhos/cm)	68	6	19	35				
pH (units)	5.4	3.8	4.4	35				
Dissolved solids	12	0	0	13				
Suspended solids	13	0	3	27				
Total solids (lbs/acre)					22	2	6	20
Dissolved organic carbon	7.5	0.0	1.7	31				
Suspended organic carbon	1.1	0.1	0.2	32				
Total organic carbon					330	16	16	19
Chemical oxygen demand	101	1	11	31	1,900	100	690	20
Dissolved nitrite plus nitrate (as N)	3.6	.00	.13	34				
Total nitrite plus nitrate (as N)					26	0.03	6.5	18
Dissolved ammonia (as N)	.320	.020	.093	34				
Total ammonia (as N)					30	0.12	4.9	18
Dissolved ammonia plus organic nitrogen (as N)	1.1	.08	.30	28				
Total ammonia plus organic nitrogen (as N)	1.1	.18	.45	35	52	1.9	20	20
Dissolved phosphorus (as P)	.053	.000	.005	28				
Total phosphorus (as P)	.065	.000	.008	35	8.4	0.17	0.91	19
Dissolved lead	.008	.002	.003	6				
Total lead	.132	.003	.010	34	4.2	0.10	1.8	20

TABLE 16.--Storm characteristics and antecedant conditions

Variable name	Variable identification
BDATE	Storm begin date; year, month, day
BTIME	Storm begin time
EDATE	Storm end date; year, month, day
ETIME	Storm end time
TRAINA	Total rainfall, average for the catchment, in inches
MAXR5	Maximum 5-minute rainfall rate, in inches/hour
MAXR15	Maximum 15-minute rainfall rate, in inches/hour
MAX1H	Maximum 1-hour rainfall rate, in inches/hour
NDRD02	Number of hours prior to storm, counting backwards to storm event with rainfall greater than 0.2 inches
DERNPD	Depth of rainfall accumulated during the previous 24 hours, in inches
DERNP3	Depth of rainfall accumulated during the previous 72 hours, in inches
DERNP7	Depth of rainfall accumulated during the previous 168 hours, in inches
TOTRUN	Total runoff, not including base flow, in inches
PEAKQ	Peak discharge, not including base flow, in cubic feet per second
BFLOW	Base flow prior to storm, in cubic feet per second
DURRNF	Duration of rainfall, in minutes
TIMBPK	Approximate response time of catchment, in minutes
DURSTO	Duration of storm used to calculate load, in minutes
TILASC	Time since last street cleaning, in days

*Indicates sampled storm, see table 9 for loads of selected constituents in runoff.

TABLE 16.--Continued

12120005 - Surrey Downs storm-sewer outfall at Bellevue, Washington

BDATE	BTIME	EDATE	ETIME	TRAINA	MAXR5	MAXR15	MAX1H	NDRD02	DERNPD	DERNP3	DERNP7	TOTRUN	PEAKQ	BFLOW	DURRNF	TIMBPK	DURSTO	TILASC
*791024	7:20	791024	16:25	0.33	0.12	0.12	0.08	32	0.08	0.55	1.86	0.054	1.20	0.01	450	15	545	-
*791201	11:10	791202	3:50	1.20	0.20	0.19	0.15	156	0.01	0.06	0.52	0.252	3.10	0.13	850	15	1000	-
791230	8:15	791230	16:15	0.19	0.15	0.11	0.06	216	0.00	0.00	0.11	0.032	1.20	0.02	425	20	-	-
791231	21:00	800101	6:30	0.25	0.27	0.18	0.09	30	0.05	0.27	0.36	0.047	1.70	0.03	495	15	-	-
800102	8:45	800102	14:00	0.23	0.24	0.22	0.12	25	0.00	0.46	0.52	0.039	2.90	0.00	275	15	-	-
800114	8:20	800114	15:15	0.22	0.12	0.08	0.06	47	0.01	1.62	2.06	0.042	1.00	0.16	335	20	-	-
800116	0:15	800116	5:30	0.22	0.24	0.15	0.08	34	0.14	0.45	2.42	0.039	1.60	0.13	250	25	-	-
800116	10:15	800116	21:00	0.40	0.16	0.11	0.08	6	0.28	0.51	2.57	0.082	1.70	0.22	530	15	-	-
800131	15:10	800201	9:00	0.57	0.21	0.17	0.11	43	0.00	0.00	0.01	0.085	2.30	0.02	970	25	-	-
800202	1:45	800202	20:00	0.73	0.24	0.21	0.15	19	0.26	0.58	0.58	0.163	2.90	0.03	970	30	-	-
800205	15:15	800206	4:00	0.37	0.41	0.34	0.17	67	0.01	0.19	1.43	0.071	3.20	0.05	730	15	-	-
800206	15:50	800206	19:00	0.09	0.12	0.12	0.07	7	0.39	0.50	1.84	0.013	1.60	0.51	135	20	-	-
800219	19:55	800220	6:00	0.32	0.12	0.12	0.10	26	0.03	0.74	1.04	0.065	2.00	0.08	445	15	-	-
*800225	13:30	800225	20:30	0.14	0.12	0.06	0.05	130	0.02	0.04	0.77	0.022	0.66	0.05	355	20	420	-
*800225	20:35	800226	8:00	0.43	0.15	0.13	0.08	136	0.16	0.18	0.51	0.075	1.60	0.11	590	20	685	-
*800226	8:10	800227	20:00	0.87	0.24	0.20	0.10	3	0.58	0.62	0.93	0.162	2.00	0.30	595	15	2180	-
800227	0:00	800228	14:00	0.31	0.19	0.15	0.10	8	0.32	1.46	1.48	0.059	2.40	0.30	790	15	-	-
800303	4:55	800303	13:00	0.17	0.09	0.06	0.05	93	0.00	0.00	1.77	0.025	0.64	0.04	385	20	-	-
800310	20:55	800311	6:30	0.42	0.39	0.25	0.14	166	0.02	0.02	0.04	0.070	3.20	0.03	520	20	-	5.4
800311	15:30	800311	21:00	0.17	0.28	0.32	0.14	6	0.47	0.49	0.49	0.031	2.90	0.04	285	20	-	4.2
*800312	14:00	800312	22:05	0.22	0.31	0.23	0.07	28	0.17	0.66	0.66	0.037	2.30	0.05	435	20	485	0.1
800312	22:15	800313	22:30	0.92	0.28	0.24	0.14	1	0.22	0.88	0.88	0.179	2.90	0.26	1270	20	-	0.5
800316	18:15	800317	10:00	0.17	0.09	0.06	0.03	70	0.01	0.18	1.91	0.034	0.54	0.05	890	15	-	2.3
800317	15:10	800317	23:45	0.35	0.37	0.31	0.16	91	0.19	0.19	2.07	0.066	2.60	0.07	365	15	-	3.2
*800319	19:25	800320	5:15	0.22	0.09	0.08	0.07	46	0.01	0.52	1.67	0.038	1.10	0.07	460	15	590	5.4
800326	18:30	800326	21:35	0.16	0.38	0.35	0.15	152	0.02	0.02	0.29	0.020	3.20	0.03	170	15	-	2.3
800331	4:10	800331	10:45	0.11	0.09	0.05	0.04	233	0.00	0.04	0.25	0.016	0.54	0.02	370	20	-	2.7
*800405	0:15	800405	3:30	0.07	0.09	0.07	0.05	374	0.02	0.02	0.17	0.010	0.78	0.02	165	20	195	2.6
800405	10:30	800405	13:15	0.13	0.21	0.17	0.13	384	0.08	0.10	0.25	0.019	1.70	0.03	60	25	-	3.0
800406	2:55	800406	7:30	0.14	0.12	0.12	0.08	401	0.18	0.27	0.38	0.026	1.60	0.03	205	20	-	3.7
800408	19:50	800409	8:00	0.58	0.68	0.42	0.20	63	0.04	0.20	0.46	0.107	4.80	0.02	600	15	-	1.4
800409	9:45	800409	19:15	0.22	0.33	0.28	0.11	6	0.57	0.61	1.03	0.036	2.80	0.07	485	15	-	1.9
800414	5:55	800414	10:00	0.12	0.12	0.09	0.06	109	0.00	0.00	0.83	0.017	0.97	0.02	160	20	-	2.8
800414	14:05	800414	18:00	0.16	0.53	0.34	0.13	117	0.13	0.13	0.96	0.024	4.00	0.03	100	15	-	3.1
*800418	20:50	800419	13:00	0.51	0.56	0.28	0.12	98	0.02	0.02	0.33	0.083	2.70	0.02	230	20	970	0.4
800419	14:40	800420	5:00	0.69	0.32	0.27	0.17	3	0.51	0.52	0.83	0.131	3.30	0.08	335	25	-	1.2
800428	1:10	800428	7:00	0.23	0.68	0.37	0.12	190	0.00	0.00	0.00	0.034	5.10	0.02	95	20	-	2.6
*800520	11:05	800520	13:55	0.03	0.12	0.04	0.02	535	0.10	0.10	0.14	0.003	0.21	0.04	135	20	170	1.0
800521	2:35	800521	9:30	0.21	0.20	0.19	0.10	550	0.10	0.15	0.19	0.036	2.20	0.07	10	15	-	1.6
800524	19:15	800524	23:30	0.10	0.12	0.08	0.05	81	0.00	0.06	0.42	0.012	0.94	0.00	290	20	-	1.3

TABLE 16.--Continued

12120005 - Surrey Downs storm-sewer outfall at Bellevue, Washington--Continued

BDATE	BTIME	EDATE	ETIME	TRAINA	MAXR5	MAXR15	MAX1H	NDRD02	DERNPD	DERNP3	DERNP7	TOTRUN	PEAKQ	BFLOW	DURRNF	TIMBPK	DURSTO	TILASC
800526	2:10	800526	20:00	0.60	0.24	0.16	0.11	8	0.12	0.23	0.65	0.129	2.10	0.01	265	15	-	2.6
800527	11:20	800527	19:30	0.11	0.12	0.08	0.03	17	0.10	0.83	1.14	0.021	0.79	0.01	155	15	-	1.0
800601	4:30	800601	14:00	0.67	0.29	0.26	0.17	130	0.00	0.00	0.81	0.115	2.90	0.00	135	20	-	1.7
800601	19:35	800602	12:00	0.72	0.24	0.22	0.16	8	0.70	0.70	1.41	0.162	3.40	0.04	660	20	-	2.4
800605	2:50	800605	18:10	0.18	0.09	0.04	0.02	41	0.00	0.27	1.39	0.024	0.33	0.00	1285	20	-	0.7
800608	4:10	800608	12:55	0.12	0.24	0.14	0.08	41	0.02	0.23	1.65	0.016	1.80	0.00	210	20	-	1.7
800616	15:45	800616	20:00	0.36	0.60	0.32	0.22	247	0.00	0.00	0.00	0.054	3.30	0.11	700	15	-	0.2
800624	23:20	800625	11:00	0.65	0.36	0.26	0.18	197	0.00	0.01	0.01	0.109	3.20	0.00	590	25	-	1.5
800625	16:40	800625	19:50	0.09	0.12	0.18	0.07	7	0.65	0.66	0.66	0.013	1.80	0.02	235	20	-	0.2
*800704	1:30	800704	6:10	0.06	0.09	0.05	0.03	208	0.01	0.00	0.00	0.005	0.28	0.01	770	25	280	1.6
800711	5:50	800711	15:00	0.21	0.12	0.08	0.07	382	0.00	0.00	0.01	0.031	1.10	0.01	590	20	-	1.8
800714	2:50	800714	8:00	0.13	0.12	0.09	0.06	76	0.00	0.22	0.22	0.017	0.94	0.00	195	15	-	2.7
800802	14:05	800802	17:00	0.07	0.12	0.08	0.05	528	0.00	0.00	0.00	0.008	0.55	0.01	1340	25	-	22.1
*800817	21:05	800817	23:00	0.38	1.01	0.70	0.34	895	0.06	0.06	0.06	0.052	7.20	0.02	110	25	115	37.4
800817	23:05	800818	3:05	0.21	0.36	0.38	0.12	1	0.41	0.41	0.41	0.035	3.80	0.09	545	20	-	37.5
800826	15:50	800826	18:30	0.08	0.32	0.20	0.07	204	0.00	0.00	0.06	0.009	1.40	0.00	120	15	-	46.2
800827	13:15	800827	17:30	0.18	0.38	0.28	0.16	224	0.09	0.09	0.09	0.028	4.10	0.01	145	10	-	47.1
800828	6:15	800828	12:00	0.37	0.34	0.25	0.15	241	0.19	0.27	0.27	0.072	3.90	0.01	670	20	-	47.8
800901	7:25	800901	10:30	0.06	0.09	0.05	0.04	92	0.02	0.09	0.09	0.006	0.61	0.01	890	20	-	51.9
800901	13:35	800901	20:00	0.28	0.12	0.09	0.07	98	0.06	0.15	0.79	0.054	1.50	0.01	165	15	-	52.1
800901	22:00	800902	2:35	0.14	0.12	0.09	0.07	4	0.34	0.43	1.07	0.032	1.60	0.03	925	20	-	52.5
800906	18:25	800906	23:55	0.26	0.40	0.34	0.20	114	0.00	0.04	0.56	0.038	3.90	0.01	1575	20	-	57.3
800912	7:20	800912	12:00	0.08	0.12	0.05	0.04	128	0.00	0.00	0.31	0.007	0.46	0.00	195	15	-	62.8
800919	14:00	800919	19:00	0.09	0.12	0.07	0.04	303	0.01	0.01	0.14	0.009	0.50	0.01	360	15	-	70.1
800920	17:10	800920	20:00	0.14	0.45	0.30	0.12	326	0.02	0.10	0.12	0.018	2.70	0.01	160	15	-	71.3
800921	2:45	800921	8:00	0.19	0.54	0.37	0.14	4	0.17	0.26	0.27	0.036	4.40	0.01	865	15	-	71.7
800929	16:35	800929	23:00	0.42	0.32	0.24	0.17	200	0.02	0.04	0.04	0.071	3.30	0.01	800	20	-	80.2
801008	13:55	801008	16:50	0.15	0.36	0.26	0.15	206	0.05	0.05	0.05	0.024	3.40	0.01	175	15	-	89.1
*801012	15:15	801012	19:00	0.06	0.12	0.07	0.03	303	0.03	0.03	0.24	0.009	0.61	0.01	85	25	225	93.2
801021	8:05	801021	9:15	0.02	0.12	0.07	0.02	515	0.04	0.05	0.05	0.003	0.61	0.01	335	20	-	101.9
801024	14:40	801024	20:45	0.16	0.12	0.11	0.09	594	0.00	0.00	0.05	0.023	1.50	0.01	240	25	-	105.2
801031	4:45	801031	10:00	0.16	0.20	0.12	0.08	752	0.00	0.00	0.17	0.025	1.40	0.01	985	20	-	111.7
801031	11:50	801031	14:55	0.07	0.12	0.11	0.04	759	0.16	0.16	0.33	0.010	1.30	0.03	390	15	-	112.0
*801101	0:00	801101	3:20	0.10	0.16	0.11	0.06	1	0.60	0.60	0.60	0.017	1.50	0.25	455	20	200	112.5
801101	11:40	801101	23:55	0.28	0.20	0.16	0.09	6	0.55	0.71	0.71	0.059	1.90	0.03	895	20	-	113.0
801103	1:05	801103	23:50	0.57	0.20	0.13	0.11	27	0.00	0.99	0.99	0.125	2.40	0.00	900	20	-	114.6
801105	17:55	801106	0:00	0.34	0.92	0.49	0.18	41	0.00	0.58	1.57	0.063	4.40	0.01	510	15	-	117.3
801106	13:10	801107	2:00	0.93	1.16	0.52	0.28	16	0.36	0.71	1.93	0.203	5.30	0.02	165	20	-	118.1
801107	9:10	801107	20:45	0.33	0.32	0.27	0.14	8	0.93	1.29	2.70	0.064	3.20	0.11	615	15	-	118.9

TABLE 16.--Continued

12120005 - Surrey Downs storm-sewer outfall at Bellevue, Washington--Continued

BDATE	BTIME	EDATE	ETIME	TRAINA	MAXR5	MAXR15	MAX1H	NDRD02	DERNPD	DERNP3	DERNP7	TOTRUN	PEAKQ	BFLOW	DURRNF	TIMBPK	DURSTO	TILASC
801108	17:45	801108	22:00	0.21	0.32	0.27	0.16	14	0.17	1.73	2.42	0.046	3.40	0.04	115	20	-	120.3
801109	5:00	801109	19:00	0.21	0.24	0.19	0.09	8	0.26	1.59	2.53	0.044	2.20	0.06	180	20	-	120.8
801114	9:45	801114	20:00	0.11	0.12	0.11	0.06	133	0.00	0.00	0.85	0.016	1.30	0.02	470	20	-	125.9
801119	0:05	801119	5:00	0.21	0.28	0.20	0.10	243	0.01	0.05	0.17	0.041	3.00	0.02	295	20	-	130.5
801120	15:05	801121	16:00	1.64	0.56	0.48	0.40	35	0.00	0.23	0.39	0.386	7.20	0.01	110	20	-	132.2
801125	1:35	801125	6:00	0.14	0.12	0.11	0.09	84	0.00	0.02	1.88	0.026	1.70	0.01	95	15	-	136.6
801127	4:35	801127	16:00	0.59	0.24	0.23	0.18	135	0.02	0.16	1.30	0.131	3.20	0.04	200	10	-	138.7
801127	17:00	801127	20:00	0.09	0.20	0.17	0.08	3	0.61	0.75	2.35	0.024	2.60	0.11	95	25	-	139.2
801128	23:20	801129	4:00	0.27	0.20	0.19	0.16	29	0.02	0.42	0.59	0.061	2.50	0.06	170	25	-	140.5
801129	6:10	801129	20:00	0.35	0.36	0.26	0.12	4	0.29	0.69	0.86	0.084	3.20	0.13	260	25	-	140.8
801130	2:35	801130	20:00	0.19	0.09	0.07	0.05	10	0.36	1.05	1.21	0.053	1.10	0.11	180	20	-	141.6
801201	11:10	801201	16:00	0.03	0.12	0.07	0.03	17	0.10	0.83	1.39	0.008	0.65	0.09	270	20	-	143.0
801202	4:20	801202	21:30	0.98	0.41	0.26	0.19	35	0.04	0.59	1.29	0.258	4.40	0.03	180	15	-	143.7
801203	5:35	801204	9:00	0.51	0.17	0.15	0.10	10	0.94	1.13	2.26	0.127	2.40	0.13	270	20	-	144.8
801214	5:10	801214	9:40	0.07	0.12	0.07	0.03	238	0.01	0.06	0.11	0.009	0.67	0.01	230	20	-	155.8
801220	9:05	801220	17:00	0.38	0.36	0.20	0.12	385	0.09	0.10	0.23	0.074	2.50	0.02	200	30	-	161.9
801221	3:10	801221	19:10	0.70	0.40	0.25	0.12	12	0.43	0.47	0.60	0.162	3.00	0.03	865	20	-	162.7
801224	1:35	801224	6:00	0.26	0.24	0.24	0.16	56	0.00	0.75	1.23	0.046	2.60	0.03	240	15	-	165.6
801224	11:30	801225	1:15	0.43	0.16	0.12	0.09	66	0.26	0.54	1.48	0.099	2.10	0.09	800	15	-	166.0
801225	4:15	801225	9:00	0.06	0.12	0.08	0.03	4	0.46	0.73	1.93	0.014	0.91	0.19	215	20	-	166.7
801225	15:20	801226	11:00	1.27	0.40	0.35	0.24	8	0.46	0.78	2.00	0.339	4.90	0.22	1035	20	-	167.2
801226	20:45	801227	5:00	0.32	0.36	0.20	0.13	12	1.04	2.06	3.24	0.072	2.80	0.46	365	10	-	168.4
801229	9:40	801229	21:00	0.29	0.12	0.07	0.04	55	0.00	0.36	2.42	0.064	0.94	0.06	605	20	-	170.9
801230	5:50	801230	23:55	0.81	0.24	0.19	0.13	4	0.32	0.34	2.73	0.197	2.60	0.29	1010	20	-	171.8
810106	3:50	810106	6:15	0.05	0.12	0.05	0.03	150	0.00	0.00	0.02	0.003	0.35	0.02	95	15	-	178.7
810108	14:30	810108	19:00	0.04	0.07	0.04	0.03	209	0.00	0.07	0.08	0.004	0.48	0.03	190	20	-	181.1
*810117	9:35	810117	13:30	0.08	0.12	0.08	0.05	444	0.00	0.00	0.01	0.009	0.87	0.00	220	25	235	189.9
810118	2:25	810118	10:00	0.11	0.09	0.05	0.04	460	0.11	0.11	0.12	0.019	0.85	0.02	265	20	-	190.6
810120	19:45	810121	8:00	0.28	0.17	0.14	0.08	502	0.00	0.13	0.25	0.051	1.60	0.02	700	30	-	193.4
810121	17:30	810122	1:05	0.11	0.12	0.07	0.04	10	0.28	0.30	0.52	0.022	0.92	0.02	390	25	-	194.3
810122	4:40	810122	20:00	0.29	0.17	0.15	0.10	22	0.12	0.40	0.63	0.070	2.30	0.04	790	20	-	194.7
810123	11:20	810123	23:55	0.37	0.21	0.17	0.13	17	0.09	0.70	0.94	0.084	2.60	0.03	600	15	-	196.0
810127	18:25	810127	23:30	0.09	0.12	0.07	0.03	92	0.01	0.17	1.25	0.017	0.78	0.02	275	15	-	200.3
810128	14:55	810129	11:00	0.63	0.12	0.11	0.08	113	0.09	0.26	1.05	0.167	1.70	0.02	1160	20	-	201.2
*810211	11:15	810211	18:20	0.15	0.12	0.08	0.04	313	0.00	0.02	0.03	0.022	0.74	0.00	260	20	425	215.0
*810211	20:55	810212	5:20	0.32	0.27	0.21	0.13	1	0.27	0.29	0.30	0.064	2.60	0.11	480	25	505	215.4
810212	5:25	810212	13:00	0.25	0.12	0.11	0.08	1	0.60	0.62	0.63	0.056	1.70	0.13	300	15	-	215.8
810213	4:35	810213	11:55	0.18	0.12	0.08	0.06	19	0.27	0.86	0.89	0.036	1.20	0.07	410	15	-	216.7
810213	12:05	810213	14:09	0.02	0.05	0.03	0.02	26	0.18	1.03	1.06	0.005	0.64	0.16	85	15	-	217.0

TABLE 16.--Continued

12120005 - Surrey Downs storm-sewer outfall at Bellevue, Washington--Continued

BDATE	BTIME	EDATE	ETIME	TRAINA	MAXR5	MAXR15	MAX1H	NORD02	DERNP0	DERNP3	DERNP7	TOTRUN	PEAKQ	BFLOW	DURRNF	TIMBPK	DURSTO	TILASC
810213	21:15	810214	5:00	0.27	0.24	0.20	0.15	6	0.21	1.06	1.09	0.058	2.80	0.09	340	15	-	217.4
810214	11:45	810215	18:00	0.41	0.28	0.22	0.10	7	0.31	1.33	1.37	0.122	3.20	0.11	280	15	-	218.0
810217	18:20	810218	2:55	0.15	0.12	0.09	0.04	21	0.06	0.59	2.24	0.030	1.60	0.19	430	20	-	221.3
810218	14:10	810218	19:15	0.13	0.12	0.08	0.05	41	0.16	0.78	2.47	0.026	1.10	0.11	285	20	-	222.1
*810218	19:20	810218	21:20	0.10	0.21	0.17	0.09	46	0.26	0.90	2.50	0.018	2.60	0.29	80	20	120	222.3
*810219	2:40	810219	6:50	0.27	0.57	0.53	0.24	1	0.35	1.06	2.33	0.058	6.10	0.37	105	25	250	222.7
810219	6:55	810219	11:30	0.11	0.33	0.27	0.09	3	0.45	0.95	2.02	0.024	3.30	0.42	250	20	-	222.8
810224	4:00	810224	22:00	0.38	0.12	0.11	0.09	113	0.01	0.01	0.12	0.075	1.60	0.04	1040	20	-	227.7
810303	4:15	810304	3:00	0.56	0.20	0.15	0.08	151	0.00	0.00	0.42	0.107	2.00	0.04	1325	30	-	234.7
810305	1:55	810305	3:40	0.10	0.16	0.12	0.09	20	0.04	0.60	0.60	0.015	1.90	0.03	60	15	-	236.6
810315	9:05	810315	23:55	0.39	0.24	0.19	0.14	267	0.00	0.00	0.00	0.054	2.20	0.00	840	25	-	246.9
810323	4:20	810323	17:00	0.34	0.12	0.12	0.10	171	0.01	0.08	0.09	0.055	1.90	0.03	720	25	-	254.7
*810324	21:00	810325	1:40	0.18	0.12	0.08	0.06	29	0.00	0.39	0.42	0.027	1.00	0.00	240	15	280	256.4
810328	21:25	810329	6:10	0.16	0.12	0.07	0.05	125	0.00	0.02	0.67	0.021	0.99	0.01	375	20	-	260.4
810402	9:10	810402	11:00	0.05	0.07	0.06	0.03	233	0.00	0.05	0.48	0.001	0.11	0.00	75	25	-	264.9
810402	19:05	810402	23:55	0.14	0.36	0.24	0.10	243	0.06	0.06	0.54	0.013	2.30	0.00	270	15	-	265.3
810404	8:40	810404	11:15	0.05	0.08	0.04	0.02	281	0.00	0.25	0.73	0.001	0.09	0.00	130	20	-	266.9
810405	5:15	810405	8:45	0.16	0.16	0.13	0.10	301	0.07	0.32	0.66	0.017	1.30	0.00	140	25	-	267.8
810406	18:10	810406	22:30	0.40	0.43	0.35	0.26	338	0.00	0.26	0.82	0.049	3.40	0.00	195	25	-	269.3
810407	19:00	810408	12:00	0.21	0.18	0.06	0.05	22	0.31	0.56	0.86	0.014	0.42	0.00	975	15	-	270.3
810410	14:45	810411	15:00	0.33	0.17	0.15	0.09	52	0.00	0.24	0.83	0.030	1.40	0.00	1420	20	-	273.2
810412	9:00	810412	16:30	0.12	0.20	0.14	0.05	25	0.05	0.35	0.97	0.012	1.10	0.00	420	20	-	274.9
810420	4:50	810420	9:00	0.08	0.09	0.06	0.04	213	0.00	0.00	0.01	0.004	0.51	0.00	235	20	-	282.7
810421	23:30	810422	4:45	0.10	0.12	0.08	0.04	256	0.01	0.10	0.11	0.007	0.51	0.00	290	15	-	284.5
810423	19:55	810423	23:00	0.07	0.16	0.09	0.04	300	0.00	0.12	0.21	0.006	0.61	0.01	170	25	-	286.4
810427	10:55	810427	17:00	0.15	0.12	0.08	0.06	387	0.00	0.00	0.21	0.018	0.80	0.00	340	15	-	290.0
810428	0:05	810428	12:00	0.32	0.20	0.15	0.10	400	0.26	0.26	0.36	0.059	2.20	0.02	690	20	-	290.5
810503	14:30	810503	21:00	0.22	0.24	0.20	0.10	124	0.00	0.00	0.48	0.030	1.90	0.01	245	30	-	296.1
810507	2:30	810507	11:00	0.18	0.31	0.20	0.08	208	0.00	0.03	0.25	0.019	1.80	0.00	430	25	-	299.6
810507	18:50	810507	23:55	0.31	0.41	0.31	0.17	225	0.18	0.21	0.43	0.060	4.40	0.02	275	20	-	300.3
810510	21:30	810511	7:00	0.41	0.48	0.40	0.20	71	0.00	0.08	0.58	0.065	3.90	0.01	440	20	-	303.4
810518	10:25	810518	21:00	0.15	0.12	0.08	0.05	174	0.01	0.02	0.12	0.017	0.79	0.01	535	25	-	311.0
810519	8:15	810519	17:00	0.23	0.12	0.12	0.10	196	0.15	0.17	0.27	0.035	1.50	0.03	460	25	-	311.9
*810524	17:10	810524	21:05	0.15	0.12	0.16	0.07	121	0.05	0.05	0.44	0.021	1.50	0.03	125	20	235	317.3
810525	4:00	810525	10:00	0.13	0.12	0.12	0.07	132	0.20	0.22	0.61	0.024	1.50	0.02	240	25	-	317.7
810604	10:55	810604	13:00	0.03	0.12	0.05	0.03	379	0.03	0.07	0.09	0.002	0.28	0.01	40	20	-	328.0
*810605	14:00	810605	22:00	0.32	0.24	0.20	0.12	406	0.01	0.10	0.12	0.054	2.20	0.01	410	15	480	329.1
810608	7:55	810608	16:00	0.32	0.16	0.13	0.12	60	0.03	0.41	0.45	0.053	1.80	0.01	475	15	-	331.9
810609	17:05	810609	19:30	0.05	0.28	0.16	0.05	27	0.02	0.38	0.79	0.006	1.30	0.02	35	10	-	333.3

TABLE 16.--Continued

12120005 - Surrey Downs storm-sewer outfall at Bellevue, Washington--Continued

BDATE	BTIME	EDATE	ETIME	TRAINA	MAXR5	MAXR15	MAX1H	NDRD02	DERNPD	DERNP3	DERNP7	TOTRUN	PEAKQ	BFLOW	DURRNF	TIMBPK	DURSTO	TILASC
810612	3:45	810612	8:00	0.23	0.27	0.25	0.15	86	0.00	0.11	0.78	0.034	2.70	0.01	150	25	-	335.7
810612	15:35	810612	23:55	0.32	0.54	0.51	0.14	10	0.23	0.30	0.85	0.050	4.10	0.03	395	10	-	336.2
810615	15:10	810615	23:55	0.11	0.17	0.10	0.06	65	0.00	0.33	0.67	0.011	0.73	0.01	495	15	-	339.2
810618	4:00	810618	18:00	0.21	0.12	0.08	0.06	126	0.03	0.16	0.72	0.027	1.10	0.01	1010	20	-	341.7
*810630	16:15	810630	20:00	0.22	0.42	0.30	0.17	286	0.00	0.00	0.00	0.032	3.90	0.02	110	20	225	354.2
810706	19:40	810707	7:00	0.53	0.54	0.28	0.18	142	0.00	0.00	0.04	0.082	3.20	0.01	635	15	-	360.4
810710	20:20	810710	23:55	0.16	0.24	0.19	0.09	86	0.00	0.00	0.53	0.020	1.60	0.01	155	25	-	364.4
810713	4:15	810713	17:00	1.17	0.36	0.32	0.26	142	0.00	0.17	0.70	0.215	3.40	0.01	615	20	-	366.7
810829	22:30	810829	23:55	0.04	0.08	0.09	0.03	1136	0.00	0.00	0.00	0.002	0.51	0.00	55	15	-	414.5
810831	12:35	810831	19:45	0.14	0.12	0.07	0.04	1175	0.00	0.05	0.05	0.008	0.32	0.01	390	30	-	416.1
*810831	20:45	810901	0:30	0.08	0.16	0.11	0.05	1183	0.14	0.19	0.19	0.009	1.40	0.02	125	20	225	416.4
810901	15:45	810901	17:45	0.05	0.28	0.15	0.05	1202	0.16	0.28	0.28	0.005	0.86	0.01	30	20	-	417.2
810918	19:05	810919	10:00	0.44	0.64	0.41	0.16	1613	0.00	0.00	0.00	0.053	3.90	0.01	800	10	-	434.3
810919	15:00	810919	17:30	0.04	0.12	0.08	0.03	7	0.45	0.45	0.45	0.004	0.55	0.01	110	20	-	435.2
*810920	14:25	810920	21:00	0.13	0.29	0.25	0.09	30	0.04	0.49	0.49	0.014	2.70	0.01	360	25	395	436.1
810921	1:30	810921	23:55	0.58	0.48	0.32	0.13	42	0.13	0.62	0.62	0.100	3.30	0.01	1270	20	-	436.6
810925	0:20	810925	13:30	0.59	0.40	0.31	0.18	74	0.03	0.04	1.26	0.107	3.70	0.00	755	25	-	1.6
810926	19:10	810927	11:00	0.15	0.09	0.05	0.03	31	0.00	0.66	1.39	0.017	0.55	0.01	915	20	-	1.3
810927	14:15	810928	1:00	1.04	1.22	0.64	0.32	50	0.06	0.65	1.40	0.190	7.40	0.02	550	20	-	2.1
810928	4:05	810928	13:15	0.11	0.17	0.14	0.06	5	1.11	1.57	2.33	0.020	1.80	0.04	410	20	-	2.7
810928	19:40	810929	11:00	0.45	0.56	0.48	0.26	21	0.61	1.31	2.04	0.075	4.70	0.03	870	20	-	3.4
811001	14:00	811001	23:55	0.86	1.40	0.77	0.29	53	0.00	0.50	2.42	0.154	5.90	0.02	520	15	-	1.1
811005	12:45	811007	2:00	4.36	2.32	0.91	0.48	86	0.01	0.01	1.26	1.226	14.00	0.00	2025	20	-	0.1
811007	17:20	811008	1:00	0.14	0.16	0.15	0.09	19	0.22	4.39	5.24	0.030	2.40	0.16	360	20	-	2.3
811008	13:35	811008	22:00	0.24	0.12	0.12	0.08	40	0.15	4.49	5.39	0.046	1.80	0.09	395	25	-	0.1
811027	0:25	811027	11:00	0.23	0.20	0.13	0.08	458	0.00	0.00	0.00	0.025	1.10	0.01	560	20	-	3.6
*811027	12:55	811027	16:00	0.10	0.12	0.11	0.08	3	0.25	0.25	0.25	0.015	1.30	0.02	155	15	185	4.1
811027	17:50	811028	6:00	0.41	0.24	0.20	0.13	3	0.35	0.36	0.36	0.070	2.40	0.06	600	20	-	4.3
811028	11:55	811028	19:00	0.11	0.16	0.12	0.08	8	0.54	0.79	0.79	0.020	1.70	0.03	275	25	-	5.0
811029	3:05	811029	8:00	0.07	0.08	0.04	0.04	19	0.15	0.91	0.91	0.009	0.54	0.02	210	10	-	5.7
811029	13:40	811029	16:00	0.03	0.08	0.09	0.03	34	0.18	0.97	0.98	0.002	0.22	0.03	35	20	-	0.1
811030	15:40	811030	21:00	0.09	0.16	0.11	0.04	60	0.00	0.67	1.02	0.013	0.99	0.01	195	15	-	0.2
811111	3:25	811112	5:00	1.53	0.40	0.28	0.23	335	0.02	0.03	0.03	0.304	4.10	0.00	1440	20	-	5.7
811113	1:10	811113	12:00	0.11	0.12	0.09	0.05	22	0.01	1.55	1.56	0.014	1.20	0.04	530	20	-	7.6
811113	21:25	811114	4:00	0.12	0.24	0.16	0.09	42	0.12	1.64	1.68	0.018	1.50	0.06	230	20	-	8.4
811116	0:00	811117	5:00	0.14	0.24	0.16	0.09	109	0.00	0.47	2.14	0.025	1.80	0.02	280	25	-	0.5
811117	9:15	811117	19:00	0.38	0.24	0.16	0.12	118	0.14	0.47	2.28	0.082	2.40	0.04	440	15	-	0.9
811119	12:40	811119	19:00	0.13	0.12	0.09	0.04	44	0.00	0.52	1.12	0.021	1.20	0.02	255	15	-	0.1
811120	4:10	811120	8:00	0.08	0.20	0.11	0.06	59	0.14	0.53	1.20	0.011	0.92	0.02	110	20	-	0.7

TABLE 16.--Continued

12120005 - Surrey Downs storm-sewer outfall at Bellevue, Washington--Continued

BDATE	BTIME	EDATE	ETIME	TRAINA	MAXRS	MAXR15	MAX1H	NURD02	DERNPD	DERNP3	DERNP7	TOTRUN	PEAKQ	BFLOW	DURRNF	TIMBPK	DURSTO	TILASC
811120	14:15	811121	14:00	0.53	0.20	0.16	0.13	69	0.16	0.27	1.21	0.116	2.40	0.03	1330	20	-	0.1
811121	19:20	811122	5:00	0.37	0.40	0.33	0.19	12	0.50	0.74	1.46	0.073	3.50	0.07	435	20	-	1.3
811122	11:25	811123	2:00	0.52	0.28	0.24	0.20	9	0.38	1.10	1.75	0.113	3.30	0.07	765	20	-	2.0
811123	4:45	811123	14:15	0.15	0.24	0.18	0.07	5	0.52	1.43	2.14	0.035	2.80	0.19	395	20	-	2.7
811130	10:15	811130	21:30	0.09	0.24	0.12	0.04	166	0.00	0.00	0.07	0.009	0.67	0.01	610	15	-	5.0
*811201	2:05	811201	5:15	0.06	0.12	0.13	0.06	183	0.09	0.10	0.10	0.009	1.40	0.02	45	15	190	0.6
*811201	16:15	811201	22:00	0.16	0.12	0.08	0.07	197	0.12	0.16	0.16	0.031	1.20	0.03	275	20	345	1.2
811202	1:15	811202	6:45	0.33	0.68	0.40	0.17	206	0.23	0.33	0.33	0.058	4.30	0.06	255	15	-	1.6
811203	8:10	811203	13:00	0.04	0.12	0.04	0.03	21	0.05	0.70	0.71	0.003	0.30	0.03	235	10	-	2.9
*811203	15:10	811204	1:00	0.16	0.12	0.12	0.07	28	0.03	0.70	0.74	0.032	1.70	0.06	460	20	590	3.2
811204	18:25	811205	1:00	0.37	0.24	0.16	0.14	19	0.06	0.61	0.90	0.071	2.50	0.04	380	15	-	0.3
811205	1:05	811205	15:00	0.77	0.64	0.41	0.25	1	0.36	0.93	1.26	0.151	4.80	0.46	665	20	-	0.6
811206	1:35	811206	9:00	0.16	0.12	0.08	0.05	14	0.78	1.34	2.05	0.030	0.81	0.29	305	10	-	1.6
811206	18:50	811206	22:00	0.04	0.12	0.08	0.03	13	0.19	1.38	2.21	0.005	0.71	0.16	90	20	-	2.3
811209	13:15	811210	17:00	0.71	0.24	0.21	0.12	79	0.10	0.18	1.68	0.143	2.50	0.11	1545	20	-	2.1
811213	12:15	811213	21:00	0.36	0.24	0.20	0.16	70	0.01	0.06	0.89	0.065	2.90	0.04	365	25	-	2.1
811215	5:30	811215	17:00	0.62	0.36	0.29	0.23	36	0.00	0.37	1.17	0.199	6.00	0.29	485	25	-	0.8
811217	21:00	811218	5:00	0.15	0.12	0.08	0.05	55	0.00	0.62	0.99	0.026	1.10	0.06	305	20	-	1.4
811218	8:35	811218	14:00	0.14	0.12	0.08	0.07	67	0.16	0.58	1.15	0.026	1.10	0.13	220	20	-	1.9
811218	19:05	811219	18:00	0.80	0.36	0.24	0.12	77	0.29	0.29	1.28	0.224	3.10	0.09	1180	10	-	2.3
811221	10:50	811221	14:00	0.08	0.12	0.12	0.08	44	0.00	0.80	1.70	0.013	1.70	0.07	50	30	-	5.0
811223	22:25	811224	10:00	0.28	0.20	0.15	0.11	103	0.00	0.10	1.18	0.052	2.10	0.04	575	20	-	0.5
811224	18:10	811224	22:00	0.09	0.44	0.27	0.08	10	0.27	0.29	1.45	0.019	3.80	0.07	155	10	-	1.3
811226	0:30	811226	5:00	0.05	0.12	0.07	0.03	40	0.00	0.36	0.93	0.008	0.70	0.04	115	20	-	2.6
811226	8:10	811226	23:00	0.39	0.52	0.35	0.20	48	0.05	0.41	0.66	0.072	3.60	0.06	875	25	-	2.9
811227	20:30	811227	23:55	0.06	0.08	0.07	0.05	23	0.04	0.46	0.92	0.010	0.87	0.07	85	15	-	4.4
811228	11:05	811228	14:00	0.02	0.12	0.05	0.02	38	0.10	0.55	0.99	0.005	0.78	0.09	30	10	-	0.0
820110	15:40	820111	17:30	0.31	0.20	0.16	0.06	232	0.00	0.14	0.15	0.055	1.70	0.01	1505	25	-	13.2
820113	3:25	820113	6:30	0.04	0.08	0.04	0.02	35	0.01	0.32	0.46	0.004	0.27	0.02	135	25	-	15.7
*820115	11:00	820116	11:45	0.97	0.24	0.17	0.14	91	0.00	0.05	0.37	0.230	3.00	0.01	1400	20	1485	0.0
*820116	11:50	820116	18:00	0.13	0.12	0.08	0.05	3	0.93	0.98	1.33	0.026	1.20	0.22	235	15	370	1.0
820117	12:40	820117	17:00	0.10	0.12	0.09	0.07	21	0.17	1.15	1.51	0.020	1.20	0.19	155	20	-	2.1
820122	11:05	820122	23:55	0.47	0.16	0.13	0.10	139	0.00	0.02	1.27	0.062	1.00	0.16	670	25	-	7.0
820123	12:45	820123	23:55	0.63	0.28	0.21	0.17	15	0.34	0.48	0.75	0.151	3.10	0.11	620	20	-	8.1
820125	5:50	820125	14:00	0.13	0.12	0.12	0.06	31	0.00	1.17	1.19	0.024	1.50	0.09	320	20	-	9.8
820125	19:25	820126	16:00	0.93	0.24	0.21	0.11	44	0.14	0.97	1.33	0.211	3.40	0.33	1070	15	-	10.4
820127	4:35	820127	14:00	0.07	0.12	0.07	0.03	16	0.54	1.14	2.43	0.013	0.46	0.22	450	15	-	11.7
820130	14:40	820131	1:00	0.37	0.56	0.47	0.24	98	0.04	0.10	1.87	0.069	4.30	0.06	580	20	-	15.2

TABLE 16.--Continued

12119725 - Lake Hills storm-sewer outfall at Bellevue, Washington

BDATE	BTIME	EDATE	ETIME	TRAINA	MAXR5	MAXR15	MAX1H	NDRD02	DERNPD	DERNP3	DERNP7	TOTRUN	PEAKQ	BFLOW	DURRNF	TIMBPK	DURSTO	TILASC
*791024	7:25	791024	16:25	0.32	0.12	0.12	0.08	32	0.08	0.55	1.86	0.140	6.70	0.05	445	15	540	-
*791201	11:15	791202	3:50	1.45	0.24	0.16	0.15	156	0.01	0.06	0.52	-	-	0.00	830	25	995	-
800218	3:55	800218	18:00	0.37	0.12	0.08	0.07	4	0.32	0.53	0.54	0.120	3.10	0.05	740	15	-	-
800219	20:00	800220	6:00	0.29	0.24	0.16	0.11	28	0.03	0.72	0.94	0.075	3.40	0.07	440	25	-	-
*800225	13:45	800225	21:00	0.15	0.12	0.08	0.05	130	0.01	0.03	0.43	0.024	1.20	0.01	360	25	435	-
*800225	21:05	800226	8:00	0.41	0.12	0.12	0.09	137	0.16	0.18	0.51	0.097	3.10	0.08	560	25	660	-
*800226	8:10	800227	20:00	0.87	0.24	0.16	0.09	4	0.56	0.59	0.92	0.226	3.60	0.09	1865	20	2180	-
800228	0:15	800228	14:00	0.36	0.24	0.20	0.13	9	0.35	1.45	1.47	0.111	5.70	0.10	755	20	-	-
800303	4:30	800303	13:00	0.19	0.12	0.08	0.04	93	0.00	0.00	1.81	0.024	0.83	0.03	480	20	-	-
800310	20:05	800310	23:30	0.29	0.60	0.32	0.22	166	0.02	0.02	0.04	0.065	7.00	0.01	190	20	-	28.4
*800312	13:50	800312	22:10	0.15	0.24	0.12	0.05	28	0.17	0.76	0.76	0.031	3.10	0.03	430	20	495	30.1
800312	22:15	800313	22:30	0.80	0.24	0.24	0.12	36	0.15	0.91	0.91	0.283	5.30	0.12	1265	20	-	30.5
*800319	19:55	800320	5:15	0.22	0.12	0.08	0.06	47	0.01	0.58	1.51	0.057	1.90	0.03	460	25	560	37.4
800326	18:30	800326	21:35	0.16	0.36	0.32	0.13	159	0.04	0.04	0.30	0.037	5.50	0.02	150	25	-	44.3
800329	15:10	800329	20:00	0.10	0.12	0.12	0.06	227	0.02	0.19	0.23	0.008	0.89	0.03	260	20	-	47.2
*800405	0:25	800405	3:30	0.07	0.12	0.08	0.04	372	0.01	0.01	0.25	0.007	0.60	0.01	150	25	185	53.6
800405	10:30	800405	20:00	0.23	0.35	0.16	0.15	390	0.07	0.08	0.32	0.046	3.50	0.02	485	20	-	54.0
800408	20:10	800409	8:00	0.62	0.36	0.28	0.19	62	0.01	0.24	0.55	0.160	7.70	0.01	700	25	-	57.4
800409	9:55	800409	19:15	0.30	0.47	0.36	0.14	6	0.64	0.66	1.19	0.070	7.00	0.05	445	20	-	58.0
800414	5:55	800414	10:00	0.15	0.12	0.12	0.09	105	0.00	0.00	0.94	0.025	1.90	0.02	185	25	-	62.8
800414	14:00	800414	18:00	0.17	0.83	0.39	0.13	113	0.15	0.15	1.09	0.021	3.00	0.02	175	25	-	63.1
*800418	19:50	800419	13:00	0.62	0.71	0.40	0.18	99	0.01	0.02	0.34	0.125	4.10	0.01	970	30	1030	67.4
800419	14:10	800420	5:00	0.70	0.36	0.28	0.14	3	0.63	0.64	0.96	0.182	4.50	0.22	825	20	-	68.1
800428	2:15	800428	7:00	0.07	0.12	0.08	0.04	187	0.00	0.00	0.00	0.005	0.51	0.02	230	20	-	76.6
*800520	11:00	800520	13:55	0.05	0.24	0.08	0.03	725	0.10	0.10	0.14	0.003	0.17	0.01	95	25	175	99.0
800521	2:55	800521	9:30	0.18	0.24	0.20	0.08	740	0.10	0.15	0.19	0.030	2.50	0.01	280	25	-	99.7
800524	19:15	800525	2:00	0.15	0.24	0.12	0.06	828	0.00	0.08	0.44	0.017	0.99	0.01	325	20	-	103.3
800526	2:05	800526	19:00	0.50	0.12	0.12	0.10	859	0.07	0.23	0.65	0.104	2.60	0.01	960	25	-	104.6
800527	12:05	800527	22:00	0.10	0.12	0.04	0.04	18	0.05	0.72	1.05	0.013	0.60	0.01	485	25	-	106.0
800608	4:05	800608	15:00	0.17	0.25	0.16	0.10	137	0.01	0.23	1.65	0.025	3.80	0.01	525	30	-	117.7
800616	15:40	800616	20:00	0.34	0.36	0.36	0.23	341	0.00	0.00	0.00	0.061	6.20	0.01	145	20	-	126.2
800624	23:15	800625	11:00	0.73	0.35	0.28	0.19	197	0.00	0.03	0.03	0.152	6.40	0.01	585	20	-	134.5
800625	17:30	800625	20:00	0.07	0.24	0.20	0.07	8	0.73	0.76	0.76	0.011	2.90	0.01	50	15	-	135.3
*800704	1:05	800704	6:10	0.09	0.23	0.08	0.04	208	0.00	0.00	0.00	0.005	0.56	0.01	215	20	305	143.6
800711	2:50	800711	23:55	0.27	0.22	0.08	0.06	378	0.00	0.00	0.06	0.028	0.99	0.01	1180	15	-	150.7
800714	3:15	800714	8:00	0.11	0.22	0.11	0.07	72	0.00	0.27	0.28	0.015	1.80	0.01	210	20	-	153.7
800802	14:05	800802	18:00	0.09	0.12	0.08	0.04	519	0.00	0.00	0.00	0.009	0.64	0.01	125	10	-	173.1
*800817	21:05	800817	23:10	0.50	1.07	0.80	0.44	886	0.02	0.02	0.02	0.148	21.00	0.01	95	25	125	188.4
800826	17:05	800826	20:00	0.04	0.12	0.12	0.04	204	0.00	0.00	0.00	0.004	0.64	0.01	30	10	-	197.2
800827	13:55	800827	18:05	0.18	0.71	0.32	0.16	225	0.04	0.04	0.04	0.043	7.40	0.01	125	15	-	198.1

TABLE 16.--Continued

12119725 - Lake Hills storm-sewer outfall at Bellevue, Washington--Continued

BDATE	BTIME	EDATE	ETIME	TRAINA	MAXRS	MAXR15	MAX1H	NDRD02	DERNPD	DERNP3	DERNP7	TOTRUN	PEAKQ	BFLOW	DURRNF	TIMBPK	DURSTO	TILASC
800828	6:35	800828	11:30	0.23	0.35	0.32	0.15	242	0.18	0.22	0.22	0.047	5.40	0.01	155	20	-	198.8
800901	7:45	800901	12:00	0.09	0.12	0.08	0.05	95	0.03	0.07	0.58	0.012	0.79	0.01	145	15	-	202.9
800901	13:35	800901	20:00	0.33	0.12	0.12	0.08	100	0.09	0.16	0.67	0.078	2.90	0.05	335	20	-	203.1
800901	22:05	800902	3:30	0.19	0.24	0.23	0.13	4	0.42	0.49	1.00	0.052	4.50	0.07	200	15	-	203.5
800906	19:00	800906	23:55	0.22	0.36	0.28	0.16	115	0.00	0.00	0.70	0.042	6.10	0.01	250	20	-	208.3
800919	13:45	800919	19:00	0.11	0.12	0.08	0.04	303	0.01	0.01	0.17	0.010	0.56	0.01	215	10	-	0.1
800920	17:40	800920	23:55	0.11	0.25	0.17	0.08	327	0.02	0.14	0.17	0.015	2.60	0.01	300	15	-	1.3
800921	3:20	800921	9:00	0.13	0.35	0.28	0.13	336	0.15	0.27	0.29	0.033	6.50	0.01	260	25	-	1.7
800929	16:55	800929	23:55	0.49	0.48	0.32	0.18	566	0.01	0.01	0.01	0.118	9.20	0.01	335	15	-	7.2
801008	14:25	801008	17:00	0.05	0.13	0.17	0.05	207	0.04	0.04	0.04	0.006	1.40	0.01	140	25	-	0.1
*801012	15:25	801012	19:00	0.09	0.24	0.12	0.05	304	0.05	0.05	0.13	0.013	1.10	0.01	120	15	215	2.2
801024	14:45	801024	23:00	0.16	0.12	0.12	0.08	592	0.00	0.00	0.05	0.022	1.50	0.01	440	25	-	0.2
801031	4:45	801031	10:00	0.13	0.12	0.08	0.06	750	0.00	0.00	0.16	0.018	1.30	0.01	225	25	-	1.7
*801031	11:30	801031	14:50	0.09	0.13	0.12	0.06	757	0.13	0.13	0.13	0.013	2.10	0.02	185	20	200	2.0
*801101	0:00	801101	3:20	0.12	0.24	0.12	0.06	1	0.60	0.60	0.60	0.021	2.50	0.22	150	25	200	2.5
801101	11:00	801101	23:55	0.42	0.35	0.24	0.11	6	0.60	0.73	0.73	0.110	6.40	0.02	660	25	-	3.0
801103	2:50	801103	22:00	0.50	0.23	0.16	0.12	29	1.15	1.15	1.15	0.141	4.60	0.01	1185	30	-	4.7
801105	17:20	801106	0:00	0.37	0.96	0.44	0.17	41	0.00	0.51	1.66	0.106	11.00	0.01	220	10	-	0.3
801106	12:55	801107	3:00	0.81	0.37	0.36	0.17	16	0.37	0.69	2.03	0.297	11.00	0.01	745	20	-	1.1
801107	8:05	801107	21:00	0.40	0.24	0.24	0.15	6	0.81	1.18	2.73	0.127	6.60	0.06	725	20	-	1.9
801108	17:40	801108	23:00	0.19	0.36	0.24	0.16	14	0.22	1.69	2.39	0.058	6.80	0.03	185	25	-	3.3
801109	5:30	801109	19:00	0.17	0.12	0.12	0.07	9	0.23	1.51	2.36	0.039	3.10	0.03	700	25	-	3.8
801114	10:25	801114	20:00	0.17	0.12	0.12	0.08	133	0.00	0.00	0.83	0.029	1.80	0.01	475	20	-	4.0
801119	0:15	801119	6:00	0.21	0.36	0.31	0.14	243	0.01	0.05	0.22	0.051	8.90	0.01	270	20	-	1.6
801120	14:50	801121	16:00	1.57	0.61	0.48	0.38	34	0.00	0.22	0.43	0.597	16.00	0.01	1405	20	-	1.2
801125	1:30	801125	6:00	0.16	0.13	0.12	0.10	82	0.01	0.10	1.89	0.038	2.90	0.01	160	15	-	0.6
801128	23:30	801129	5:00	0.25	0.24	0.20	0.15	177	0.01	0.77	1.03	0.076	5.90	0.04	235	20	-	2.5
801129	6:20	801129	19:00	0.37	0.36	0.24	0.11	3	0.27	1.03	1.29	0.128	6.10	0.09	655	15	-	2.8
801130	2:30	801130	19:00	0.23	0.12	0.08	0.04	9	0.39	1.41	1.58	0.067	1.50	0.06	950	25	-	3.6
801202	4:05	801202	21:00	0.99	0.36	0.28	0.23	34	0.02	0.20	1.67	0.415	11.00	0.04	895	25	-	5.7
*801214	5:10	801214	8:00	0.15	0.13	0.12	0.08	232	0.01	0.03	0.13	0.029	3.10	0.01	145	25	170	1.8
801220	3:45	801220	18:00	0.43	0.24	0.16	0.12	375	0.00	0.00	0.23	0.108	4.00	0.01	745	15	-	4.7
801221	3:15	801221	19:30	0.60	0.36	0.24	0.10	10	0.43	0.43	0.65	0.196	5.90	0.02	960	15	-	5.7
801224	1:30	801224	7:00	0.26	0.25	0.24	0.16	54	0.23	0.98	1.22	0.068	5.90	0.02	315	25	-	1.6
801224	10:50	801225	1:15	0.42	0.13	0.12	0.10	4	0.49	0.82	1.67	0.136	3.40	0.05	770	15	-	2.0
801225	2:40	801225	9:00	0.06	0.11	0.08	0.03	4	0.50	1.04	2.09	0.013	0.94	0.16	290	20	-	0.7
801225	14:35	801226	11:00	1.28	0.47	0.36	0.22	7	0.43	0.97	2.15	0.576	13.00	0.08	1050	25	-	1.1
801226	20:20	801227	5:00	0.32	0.36	0.24	0.13	13	1.03	2.03	3.44	0.120	6.80	0.26	385	15	-	2.4
801227	14:30	801227	17:00	0.03	0.01	0.12	0.03	12	0.32	2.04	3.37	0.012	3.20	0.20	10	15	-	3.1

TABLE 16.--Continued

12119725 - Lake Hills storm-sewer outfall at Bellevue, Washington--Continued

BDATE	BTIME	EDATE	ETIME	TRAINA	MAXR5	MAXR15	MAX1H	NDRD02	DERNPD	DERNP3	DERNP7	TOTRUN	PEAKQ	BFLOW	DURRNF	TIMBPK	DURSTO	TILASC
801229	9:35	801230	1:00	0.30	0.12	0.08	0.05	55	0.01	0.40	2.73	0.086	1.40	0.04	880	25	-	4.9
801230	5:05	801230	23:50	0.79	0.24	0.16	0.11	4	0.31	0.34	1.01	0.323	4.80	0.07	1080	15	-	5.8
810106	3:50	810106	7:20	0.07	0.12	0.08	0.06	142	0.00	0.00	0.00	0.008	0.98	0.02	75	15	-	0.7
810108	16:50	810108	20:00	0.03	0.11	0.04	0.02	203	0.01	0.08	0.08	0.002	0.23	0.01	175	30	-	1.2
*810117	10:50	810117	13:30	0.05	0.12	0.08	0.04	413	0.03	0.04	0.04	0.004	0.44	0.01	85	20	160	5.0
810118	2:20	810118	7:00	0.08	0.11	0.04	0.03	428	0.07	0.11	0.11	0.015	0.64	0.01	250	25	-	5.6
810123	13:05	810123	23:55	0.47	0.24	0.20	0.16	19	0.08	0.66	0.81	0.144	7.90	0.03	555	20	-	0.1
810126	3:40	810126	10:00	0.15	0.12	0.08	0.05	53	0.00	0.49	1.14	0.032	1.30	0.02	320	25	-	2.7
810127	18:55	810127	23:30	0.05	0.12	0.04	0.03	92	0.00	0.16	1.30	0.010	0.73	0.02	135	20	-	1.3
810128	14:35	810129	9:00	0.66	0.12	0.12	0.07	112	0.05	0.21	1.10	0.210	2.30	0.03	1060	20	-	0.1
*810211	11:30	810211	18:40	0.21	0.12	0.12	0.05	316	0.00	0.01	0.02	0.021	1.20	0.04	415	25	430	2.0
*810211	21:05	810212	5:15	0.36	0.24	0.20	0.15	1	0.35	0.36	0.36	0.090	5.20	0.14	460	25	490	2.4
810212	5:20	810212	13:00	0.28	0.12	0.12	0.08	1	0.71	0.72	0.73	0.084	2.60	0.12	335	25	-	2.8
810213	4:45	810213	11:30	0.18	0.12	0.08	0.06	19	0.29	0.99	1.01	0.039	1.90	0.03	345	20	-	3.7
*810213	11:40	810213	14:10	0.06	0.12	0.08	0.05	26	0.18	1.17	1.19	0.013	1.30	0.12	85	25	150	0.0
810213	21:15	810214	5:00	0.27	0.24	0.16	0.14	35	0.24	1.23	1.25	0.067	4.10	0.05	350	20	-	0.4
810214	11:55	810214	18:00	0.18	0.36	0.20	0.09	4	0.34	1.50	1.54	0.047	3.60	0.06	315	20	-	1.0
810214	23:30	810215	16:00	0.12	0.11	0.04	0.03	8	0.28	1.14	1.74	0.018	0.72	0.08	755	15	-	1.5
810215	21:55	810216	23:00	0.52	0.84	0.36	0.12	10	0.12	0.85	1.86	0.130	7.80	0.06	1370	10	-	2.5
810217	18:25	810218	3:00	0.16	0.12	0.12	0.05	21	0.05	0.64	2.35	0.028	1.90	0.03	480	15	-	4.3
810218	15:55	810218	19:05	0.11	0.12	0.08	0.06	43	0.16	0.68	2.37	0.017	1.50	0.04	155	20	-	0.2
*810218	19:15	810218	21:30	0.09	0.24	0.16	0.08	46	0.24	0.78	2.38	0.017	3.30	0.11	60	15	135	0.3
*810219	2:40	810219	6:50	0.23	0.84	0.52	0.21	3	0.24	0.85	2.09	0.064	11.00	0.10	110	30	250	0.7
810219	7:00	810219	12:00	0.11	0.24	0.24	0.08	2	0.47	1.00	2.16	0.026	5.80	0.11	250	15	-	0.8
*810324	21:00	810325	1:40	0.15	0.12	0.08	0.05	29	0.01	0.38	0.38	0.022	1.10	0.02	240	20	280	0.4
810328	21:05	810329	5:00	0.13	0.12	0.08	0.05	38	0.01	0.01	0.71	0.015	0.74	0.01	350	10	-	1.4
810331	0:05	810331	15:00	0.32	0.12	0.12	0.07	89	0.03	0.17	0.40	0.064	1.60	0.02	780	25	-	0.5
810402	9:05	810402	13:00	0.07	0.12	0.08	0.04	45	0.00	0.11	0.49	0.006	0.60	0.01	205	20	-	2.9
810402	19:05	810403	2:00	0.19	0.47	0.28	0.14	55	0.07	0.07	0.56	0.041	6.40	0.02	310	15	-	0.3
810404	8:40	810404	13:30	0.06	0.12	0.08	0.04	93	0.00	0.27	0.76	0.008	0.52	0.01	150	10	-	0.9
810405	4:10	810405	8:00	0.18	0.13	0.12	0.11	112	0.07	0.34	0.69	0.033	3.20	0.02	195	15	-	1.7
810405	15:15	810405	18:00	0.04	0.23	0.08	0.04	123	0.18	0.44	0.86	0.006	1.20	0.02	55	20	-	2.2
810406	19:15	810406	23:55	0.34	0.47	0.35	0.27	151	0.00	0.28	0.55	0.080	7.10	0.01	255	15	-	0.3
810407	18:50	810408	17:00	0.28	0.11	0.08	0.05	22	0.34	0.56	0.89	0.042	0.78	0.02	1200	20	-	1.3
810410	14:45	810410	17:00	0.05	0.13	0.08	0.05	48	0.03	0.31	0.93	0.007	1.10	0.02	55	20	-	0.2
810410	22:50	810411	19:00	0.35	0.23	0.20	0.11	56	0.09	0.26	0.99	0.076	3.70	0.02	1100	20	-	0.5
810412	9:15	810412	17:45	0.12	0.12	0.12	0.05	25	0.07	0.46	1.12	0.021	2.00	0.03	405	25	-	1.9
810420	6:25	810420	9:20	0.17	0.23	0.19	0.11	214	0.00	0.00	0.03	0.024	2.20	0.01	130	20	-	2.8
810421	23:10	810422	6:00	0.24	0.12	0.12	0.07	255	0.03	0.32	0.35	0.048	2.00	0.02	375	20	-	0.5

TABLE 16.--Continued

12119725 - Lake Hills storm-sewer outfall at Bellevue, Washington--Continued

BDATE	BTIME	EDATE	ETIME	TRAINA	MAXR5	MAXR15	MAX1H	NDRD02	DERNPD	DERNP3	DERNP7	TOTRUN	PEAKQ	BFLOW	DURRNF	TIMBPK	DURSTO	TILASC
810423	20:20	810423	23:55	0.08	0.12	0.08	0.05	33	0.02	0.30	0.60	0.010	1.00	0.00	150	25	-	0.4
810427	10:20	810427	17:00	0.18	0.12	0.08	0.06	119	0.00	0.00	0.48	0.021	0.80	0.00	300	15	-	3.0
810428	1:00	810428	13:05	0.33	0.12	0.12	0.10	134	0.20	0.20	0.58	0.068	2.80	0.01	620	30	-	0.6
810503	15:35	810503	21:35	0.29	0.48	0.24	0.12	124	0.00	0.00	0.53	0.041	2.80	0.00	265	15	-	1.2
810507	4:10	810507	11:00	0.10	0.12	0.12	0.06	80	0.00	0.00	0.29	0.008	1.20	0.00	315	15	-	0.7
810507	16:40	810507	23:00	0.23	0.35	0.20	0.16	93	0.10	0.10	0.39	0.042	4.10	0.01	260	20	-	1.2
810510	21:55	810511	7:00	0.38	0.47	0.36	0.20	73	0.00	0.04	0.37	0.074	5.70	0.01	500	20	-	2.5
810514	2:30	810514	9:00	0.19	0.47	0.35	0.16	50	0.04	0.12	0.80	0.038	7.60	0.00	255	15	-	0.6
810514	15:00	810514	17:00	0.08	0.23	0.28	0.08	63	0.18	0.22	0.88	0.015	5.50	0.00	20	15	-	1.2
810518	10:50	810518	21:00	0.21	0.23	0.16	0.09	155	0.01	0.01	0.31	0.029	2.30	0.00	430	15	-	3.0
810519	8:00	810519	17:00	0.24	0.12	0.12	0.09	13	0.20	0.21	0.51	0.042	2.10	0.00	390	15	-	0.9
*810524	17:00	810524	21:00	0.19	0.36	0.28	0.12	122	0.05	0.05	0.50	0.034	5.40	0.00	160	15	240	0.5
810525	3:30	810525	10:00	0.14	0.13	0.12	0.07	6	0.25	0.28	0.73	0.024	2.00	0.00	260	20	-	2.7
810603	11:40	810603	19:00	0.07	0.23	0.12	0.03	230	0.04	0.05	0.05	0.005	0.92	0.00	380	15	-	2.0
*810605	14:10	810605	22:00	0.43	0.25	0.24	0.14	280	0.01	0.16	0.17	0.082	3.80	0.00	380	15	470	0.1
810607	11:10	810607	18:00	0.07	0.23	0.12	0.05	39	0.00	0.48	0.60	0.007	1.40	0.00	280	20	-	2.0
810608	7:55	810608	16:00	0.40	0.24	0.19	0.15	60	0.07	0.51	0.67	0.085	3.60	0.00	360	20	-	2.9
810609	13:05	810609	19:00	0.09	0.24	0.12	0.05	23	0.03	0.48	1.08	0.014	3.30	0.00	265	15	-	0.9
810612	3:45	810612	9:00	0.28	0.23	0.20	0.18	86	0.00	0.11	1.04	0.048	3.80	0.00	250	20	-	0.7
810612	15:45	810612	23:55	0.21	0.23	0.16	0.08	8	0.29	0.35	1.14	0.032	3.00	0.00	400	20	-	0.2
810615	17:20	810615	23:55	0.10	0.12	0.08	0.06	66	0.00	0.14	0.61	0.008	0.70	0.00	340	20	-	0.3
810618	4:00	810618	17:00	0.29	0.33	0.15	0.08	125	0.09	0.19	0.68	0.032	1.30	0.00	600	25	-	0.7
*810630	15:55	810630	20:00	0.28	0.48	0.40	0.20	290	0.00	0.00	0.00	0.057	11.00	0.00	135	20	245	1.2
810706	19:50	810707	7:00	0.64	0.36	0.28	0.15	141	0.00	0.00	0.34	0.143	7.00	0.00	585	15	-	5.4
810713	3:45	810713	17:00	1.25	0.47	0.35	0.28	143	0.00	0.05	0.69	0.365	9.20	0.00	735	20	-	11.7
*810829	22:45	810829	23:55	0.03	0.12	0.08	0.03	1137	0.00	0.00	0.01	0.002	0.35	0.00	60	25	70	59.5
810831	12:40	810831	20:00	0.13	0.12	0.04	0.04	1175	0.00	0.03	0.04	0.008	0.29	0.00	345	25	-	61.1
*810831	21:20	810901	0:30	0.02	0.11	0.04	0.01	1183	0.13	0.16	0.17	0.002	0.30	0.02	105	25	190	61.4
810901	15:20	810901	17:55	0.01	0.03	0.01	0.01	1201	0.12	0.22	0.22	0.012	2.30	0.00	60	20	-	62.2
810919	15:05	810919	19:00	0.11	0.36	0.32	0.09	7	0.44	0.46	0.46	0.022	7.10	0.01	105	20	-	80.2
*810920	15:00	810920	21:00	0.13	0.36	0.28	0.10	31	0.10	0.56	0.56	0.018	5.00	0.01	265	15	360	81.2
810920	22:55	810921	23:55	0.92	0.96	0.44	0.16	39	0.13	0.69	0.69	0.233	13.00	0.00	1445	20	-	81.5
810925	0:35	810925	12:00	1.06	1.44	0.92	0.41	75	0.02	0.03	1.58	0.343	23.00	0.01	545	20	-	85.6
810926	18:50	810927	11:00	0.14	0.12	0.08	0.03	33	0.01	0.02	1.01	0.016	0.97	0.01	810	20	-	87.3
810927	14:55	810928	1:00	1.20	1.32	0.92	0.39	53	0.13	1.12	2.14	0.388	21.00	0.03	480	20	-	88.2
810928	6:40	810928	14:00	0.14	0.24	0.16	0.07	8	1.24	1.59	3.20	0.032	2.40	0.10	410	20	-	88.8
810928	17:35	810929	8:00	0.42	0.26	0.25	0.19	19	0.78	1.50	2.75	0.111	6.80	0.04	775	20	-	89.3
811001	14:15	811002	1:00	0.76	1.08	0.60	0.25	57	0.00	0.41	2.39	0.239	16.00	0.01	510	15	-	92.1
811005	12:50	811005	17:00	0.13	0.23	0.16	0.08	86	0.00	0.00	1.18	0.016	2.30	0.01	170	25	-	96.1

TABLE 16.--Continued

12119725 - Lake Hills storm-sewer outfall at Bellevue, Washington--Continued

BDATE	BTIME	EDATE	ETIME	TRAINA	MAXR5	MAXR15	MAX1H	NDRD02	DERNPD	DERNP3	DERNP7	TOTRUN	PEAKQ	BFLOW	DURRNF	TIMBPK	DURSTO	TILASC
811005	17:05	811006	13:00	2.30	0.84	0.60	0.44	90	0.13	0.13	0.91	-	16.00	0.03	1140	15	-	96.3
811006	13:15	811007	0:00	1.25	0.71	0.59	0.37	1	2.41	2.43	3.21	-	16.00	0.10	535	15	-	97.1
811007	21:10	811008	1:00	0.08	0.24	0.20	0.07	23	0.06	3.70	4.47	-	3.50	0.10	140	20	-	98.4
811008	13:40	811008	22:10	0.26	0.24	0.20	0.11	40	0.08	3.75	4.54	-	5.30	0.10	445	20	-	99.1
811027	0:25	811027	11:00	0.27	0.12	0.12	0.09	433	0.00	0.00	0.00	0.037	2.70	0.01	535	25	-	117.6
*811027	12:00	811027	16:05	0.09	0.13	0.08	0.07	3	0.12	0.12	0.12	0.015	1.50	0.01	75	15	245	118.0
811027	18:00	811028	6:00	0.37	0.23	0.16	0.10	2	0.26	0.26	0.26	0.093	4.10	0.03	585	20	-	118.3
811028	15:10	811028	19:00	0.11	0.12	0.12	0.08	11	0.39	0.74	0.74	0.024	2.50	0.02	100	25	-	119.2
811029	3:35	811029	8:30	0.09	0.12	0.08	0.04	24	0.13	0.85	0.85	0.011	0.74	0.01	270	15	-	119.7
811029	13:40	811029	17:00	0.07	0.23	0.12	0.07	30	0.20	0.94	0.94	0.017	2.70	0.01	60	20	-	120.1
811030	15:40	811030	21:00	0.07	0.12	0.08	0.03	56	0.00	0.66	1.01	0.009	0.79	0.01	170	20	-	121.2
811103	13:20	811103	22:00	0.10	0.12	0.15	0.04	141	0.01	0.01	0.79	0.012	2.10	0.01	380	15	-	125.1
811111	3:35	811112	5:00	1.58	0.60	0.44	0.27	324	0.02	0.02	0.02	0.538	13.00	0.01	1330	25	-	132.7
811113	0:50	811113	12:00	0.15	0.12	0.12	0.07	25	0.00	1.60	1.60	0.032	2.80	0.02	570	20	-	134.6
811114	0:20	811115	2:00	0.36	0.23	0.15	0.09	48	0.15	1.73	1.75	0.090	3.50	0.03	1480	25	-	135.6
811115	14:15	811115	22:00	0.14	0.23	0.19	0.09	14	0.09	0.51	2.11	0.038	3.50	0.03	280	15	-	137.1
811116	23:55	811117	7:00	0.15	0.24	0.20	0.10	48	0.01	0.52	2.27	0.033	4.10	0.02	340	20	-	138.5
811117	9:40	811117	22:00	0.38	0.23	0.16	0.13	57	0.16	0.54	2.43	0.133	4.10	0.04	495	20	-	138.9
811119	12:50	811119	23:00	0.14	0.12	0.08	0.04	43	0.00	0.53	1.20	0.026	1.20	0.02	440	20	-	141.1
811120	4:35	811120	8:00	0.04	0.12	0.08	0.04	59	0.14	0.52	1.26	0.007	0.95	0.05	55	25	-	141.7
811120	14:20	811121	19:00	0.58	0.24	0.20	0.15	68	0.13	0.23	1.24	0.201	5.80	0.02	1465	20	-	142.1
811121	19:25	811122	5:00	0.34	0.36	0.24	0.16	12	0.54	0.75	1.51	0.125	7.20	0.10	520	20	-	143.4
811122	18:55	811123	2:00	0.38	0.24	0.19	0.15	15	0.34	0.99	1.64	0.137	5.30	0.07	330	20	-	144.3
811123	6:30	811123	14:00	0.21	0.36	0.36	0.13	6	0.39	1.31	2.02	0.068	9.20	0.26	285	15	-	144.8
811130	9:45	811130	21:30	0.09	0.12	0.08	0.03	178	0.02	0.02	0.19	0.007	0.64	0.01	645	30	-	151.9
*811201	2:05	811201	5:15	0.03	0.11	0.08	0.02	194	0.09	0.10	0.10	0.004	0.78	0.02	80	25	190	152.6
*811201	16:10	811201	22:00	0.15	0.12	0.08	0.06	208	0.09	0.14	0.14	0.033	1.50	0.01	270	20	350	153.2
*811202	1:10	811202	6:40	0.36	0.84	0.52	0.20	217	0.18	0.28	0.28	0.115	12.00	0.03	300	15	330	153.6
811203	8:10	811203	13:30	0.05	0.11	0.04	0.03	25	0.05	0.69	0.70	0.006	0.47	0.02	245	20	-	154.9
*811203	15:10	811204	1:15	0.11	0.24	0.12	0.05	32	0.05	0.71	0.75	0.026	2.70	0.03	545	15	605	155.2
811204	18:50	811205	15:00	1.21	0.96	0.60	0.28	60	0.04	0.61	0.87	-	11.00	0.02	1035	20	-	156.3
811205	20:05	811206	13:00	0.22	0.12	0.08	0.06	8	1.16	1.37	2.07	-	2.10	0.10	955	20	-	157.4
811208	16:35	811208	19:00	0.02	0.11	0.08	0.02	53	0.01	0.28	2.20	0.003	0.68	0.02	15	20	-	160.2
811209	8:30	811209	21:30	0.35	0.23	0.12	0.07	68	0.04	0.11	1.73	-	2.60	0.01	665	15	-	160.9
811209	21:55	811210	17:00	0.49	0.24	0.20	0.16	2	0.36	0.39	2.03	-	6.00	0.10	1015	25	-	161.5
811213	12:55	811213	20:00	0.29	0.24	0.16	0.14	70	0.00	0.06	0.93	-	4.10	0.01	335	25	-	165.1
811214	21:35	811215	17:00	0.93	0.36	0.36	0.25	29	0.01	0.30	1.18	-	10.00	0.01	1140	25	-	166.4
811217	21:10	811218	5:00	0.11	0.12	0.08	0.04	32	0.01	0.97	1.27	-	1.10	0.02	350	15	-	169.4
811218	8:30	811218	15:00	0.10	0.12	0.08	0.04	67	0.11	0.65	1.37	-	1.10	0.04	260	25	-	169.9

TABLE 16.--Continued

12119725 - Lake Hills storm-sewer outfall at Bellevue, Washington--Continued

BDATE	BTIME	EDATE	ETIME	TRAINA	MAXR5	MAXR15	MAX1H	NURD02	DERNPD	DERNP3	DERNP7	TOTRUN	PEAKQ	BFLOW	DURRNF	TIMBPK	DURSTO	TILASC
811218	19:30	811219	17:00	0.70	0.36	0.27	0.13	79	0.21	0.22	1.47	-	7.50	0.07	1170	20	-	170.4
811221	10:30	811221	13:30	0.09	0.12	0.12	0.08	43	0.00	0.73	1.86	0.021	2.80	0.03	80	20	-	173.0
811223	23:25	811224	11:00	0.25	0.12	0.12	0.10	104	0.01	0.12	1.02	-	3.00	0.01	600	20	-	175.5
811224	16:50	811224	23:00	0.08	0.36	0.21	0.06	7	0.27	0.29	1.28	-	3.60	0.02	245	20	-	176.2
811226	8:00	811226	23:00	0.35	0.45	0.27	0.18	46	0.03	0.38	0.60	-	7.00	0.03	795	15	-	177.9
811227	20:55	811227	23:55	0.05	0.12	0.08	0.04	21	0.04	0.35	0.88	0.009	0.67	0.03	100	25	-	179.4
811228	8:55	811228	14:00	0.09	0.12	0.12	0.06	33	0.09	0.49	0.95	0.022	2.10	0.03	185	20	-	179.9
820110	14:50	820111	18:00	0.34	0.12	0.12	0.07	183	0.00	0.17	0.18	0.073	2.70	0.01	1505	25	-	193.2
*820115	10:25	820116	11:45	0.92	0.23	0.16	0.10	90	0.00	0.00	0.50	0.305	4.10	0.01	1350	25	1520	198.0
*820116	11:50	820116	18:00	0.13	0.12	0.08	0.06	6	0.86	0.92	1.41	0.041	2.30	0.22	195	20	370	199.0
*820117	12:30	820117	17:00	0.12	0.12	0.12	0.07	20	0.19	1.11	1.60	0.036	2.70	0.16	195	25	270	200.1
820122	11:50	820122	23:55	0.56	0.22	0.15	0.13	140	0.00	0.02	1.18	0.157	4.10	0.07	695	25	-	205.0
820123	12:35	820124	1:00	0.74	0.24	0.24	0.19	15	0.47	0.60	0.90	0.317	6.90	0.08	620	15	-	206.1
820125	5:50	820125	13:00	0.12	0.12	0.12	0.06	31	0.00	1.32	1.34	0.029	2.70	0.08	320	20	-	207.8
820130	17:50	820130	22:00	0.12	0.23	0.16	0.08	101	0.06	0.10	1.75	0.035	4.20	0.06	175	15	-	213.3

TABLE 15.--Continued

12119730 - 148th Avenue S.E. storm sewer below Lake Hills Boulevard at Bellevue, Washington

BDATE	BTIME	EDATE	ETIME	TRAINA	MAXR5	MAXR15	MAXIH	NORD02	DERNPD	DERNP3	DERNP7	TOTRUN	PEAKQ	BFLOW	DURRNF	TIMBPK	DURSTO	TILASC
*791213	11:35	791213	21:30	0.27	0.46	0.18	0.08	1	0.32	0.41	0.58	0.173	0.70	0.12	540	15	595	-
*800131	14:45	800201	10:05	0.56	0.22	0.16	0.13	43	0.00	0.00	0.00	0.064	0.66	0.00	1110	15	1160	-
*800319	19:50	800320	3:25	0.24	0.12	0.12	0.08	47	0.01	0.54	0.73	0.027	0.29	0.00	415	15	455	-
*800418	19:40	800419	14:20	0.67	0.48	0.43	0.19	99	0.01	0.02	0.35	0.156	0.92	0.00	1095	15	1120	-
800419	14:25	800420	3:45	0.66	0.24	0.20	0.11	3	0.66	0.68	0.71	0.356	0.92	0.00	750	20	-	-
800520	17:35	800520	23:55	0.04	0.10	0.04	0.02	759	0.15	0.15	0.30	0.003	0.04	0.08	275	20	-	-
800521	3:00	800521	8:20	0.20	0.36	0.20	0.08	768	0.12	0.18	0.32	0.059	0.85	0.00	295	25	-	-
800524	19:10	800524	23:00	0.10	0.12	0.08	0.06	83	0.00	0.10	0.48	0.030	0.53	0.00	215	20	-	-
800526	2:00	800526	20:00	0.57	0.22	0.15	0.11	114	0.07	0.22	0.67	0.213	1.70	0.00	1010	20	-	-
800601	4:35	800601	14:10	0.73	0.36	0.28	0.20	131	0.00	0.00	0.76	0.286	2.10	0.00	560	20	-	-
800601	20:20	800602	10:00	0.42	0.36	0.28	0.21	8	0.72	0.72	1.41	0.177	2.00	0.00	780	25	-	-
*800616	15:40	800616	19:00	0.36	0.48	0.36	0.18	341	0.00	0.00	0.00	0.146	2.50	0.00	155	20	200	-
800624	23:15	800625	10:05	0.77	0.58	0.40	0.21	196	0.01	0.04	0.05	0.295	3.20	0.00	570	20	-	-
800625	17:30	800625	19:05	0.07	0.24	0.16	0.06	8	0.76	0.80	0.81	0.014	0.70	0.00	40	25	-	-
800704	1:40	800704	5:05	0.10	0.22	0.11	0.05	208	0.01	0.01	0.01	0.012	0.41	0.00	165	10	-	-
800711	2:50	800711	20:00	0.28	0.19	0.14	0.06	377	0.00	0.01	0.07	0.097	0.66	0.00	980	20	-	-
800714	3:10	800714	10:50	0.22	0.22	0.15	0.10	56	0.00	0.29	0.30	0.059	1.00	0.00	415	35	-	-
800802	14:05	800802	16:45	0.10	0.12	0.07	0.04	460	0.00	0.00	0.00	0.013	0.27	0.00	145	20	-	-
800817	21:05	800818	4:00	0.56	1.27	0.42	0.25	827	0.03	0.03	0.03	0.157	3.70	0.00	395	15	-	-
800826	17:05	800826	18:20	0.06	0.31	0.10	0.04	205	0.00	0.00	0.00	0.011	0.55	0.08	30	30	-	-
800827	14:45	800827	16:05	0.15	0.53	0.35	0.11	227	0.06	0.06	0.06	0.044	2.70	0.08	55	15	-	-
800828	6:30	800828	10:40	0.30	0.24	0.17	0.13	242	0.15	0.21	0.21	0.119	2.00	0.00	165	15	-	-
800901	7:25	800901	10:10	0.08	0.12	0.05	0.04	94	0.03	0.14	0.65	0.003	0.19	0.08	150	30	-	-
800901	13:05	800901	19:00	0.31	0.12	0.12	0.08	100	0.08	0.22	0.73	0.104	0.67	0.08	325	15	-	-
800901	22:05	800902	1:00	0.18	0.14	0.13	0.11	3	0.39	0.53	1.04	0.075	1.60	0.08	150	25	-	-
800906	18:35	800906	23:00	0.25	0.36	0.32	0.18	114	0.00	0.00	0.58	0.073	2.40	0.08	230	20	-	-
800912	6:30	800912	11:40	0.13	0.12	0.08	0.06	128	0.00	0.00	0.25	0.031	0.58	0.08	280	20	-	-
800919	13:35	800919	18:30	0.13	0.12	0.08	0.05	304	0.01	0.01	0.18	0.024	0.27	0.00	275	25	-	-
800920	7:15	800920	10:55	0.09	0.29	0.17	0.07	322	0.12	0.13	0.28	0.023	1.20	0.00	175	20	-	-
800920	17:35	800920	19:45	0.24	1.20	0.66	0.22	332	0.10	0.22	0.24	0.069	4.50	0.08	200	15	-	-
800921	3:00	800921	7:00	0.13	0.36	0.20	0.10	341	0.35	0.48	0.49	0.055	1.50	0.00	180	15	-	-
800929	17:00	800929	23:30	0.47	0.50	0.32	0.18	537	0.00	0.00	0.00	0.165	2.40	0.00	365	15	-	-
801008	14:05	801008	15:40	0.16	0.55	0.38	0.16	207	0.03	0.03	0.03	0.044	1.80	0.08	70	25	-	-
801012	15:25	801012	23:00	0.13	0.22	0.07	0.04	304	0.04	0.04	0.23	0.017	0.46	0.00	410	20	-	-
801021	3:45	801021	8:55	0.06	0.50	0.24	0.06	509	0.03	0.03	0.03	0.009	0.51	0.00	275	15	-	-
801024	14:40	801024	22:10	0.16	0.12	0.09	0.08	592	0.00	0.00	0.09	0.030	0.75	0.00	305	30	-	-
801031	4:45	801031	8:00	0.12	0.12	0.08	0.06	750	0.00	0.00	0.17	0.033	0.68	0.00	175	25	-	-
801031	11:25	801031	23:50	0.45	0.22	0.15	0.08	756	0.13	0.13	0.30	0.167	4.00	0.00	710	25	-	-
*801101	0:20	801101	3:05	0.10	0.12	0.12	0.07	1	0.58	0.58	0.59	0.040	0.89	0.00	130	30	165	-
801101	11:00	801101	22:50	0.39	0.36	0.25	0.11	7	0.58	0.71	0.72	0.151	2.20	0.00	685	25	-	-

TABLE 16.--Continued

12119730 - 148th Avenue S.E. storm sewer below Lake Hills Boulevard at Bellevue, Washington--Continued

BDATE	BTIME	EDATE	ETIME	TRAINA	MAXR5	MAXR15	MAX1H	NDRD02	DERNPD	DERNP3	DERNP7	TOTRUN	PEAKQ	BFLOW	DURRNF	TIMBPK	DURSTO	TILASC
801103	2:15	801103	23:55	0.51	0.24	0.16	0.12	28	0.01	1.11	1.12	0.235	1.50	0.00	1285	15	-	-
801105	17:15	801105	22:10	0.36	1.06	0.43	0.18	45	0.00	0.52	1.62	0.120	2.60	0.08	265	20	-	-
801106	12:55	801107	1:45	0.82	0.55	0.31	0.16	16	0.36	0.67	1.98	0.430	3.20	0.00	730	20	-	-
801107	7:15	801107	23:30	0.48	0.36	0.24	0.18	6	0.82	1.18	2.69	0.190	2.60	0.00	955	25	-	-
801108	2:35	801108	4:00	0.04	0.12	0.09	0.03	4	0.48	1.66	2.60	0.008	0.41	0.00	60	20	-	-
801108	9:05	801108	13:45	0.04	0.22	0.11	0.04	10	0.00	1.70	2.61	0.013	0.48	0.00	245	25	-	-
801108	17:40	801108	22:00	0.20	0.55	0.38	0.16	19	0.00	1.74	2.44	0.086	2.60	0.00	210	10	-	-
801109	5:45	801109	14:30	0.14	0.12	0.12	0.08	10	0.25	1.59	2.47	0.035	0.89	0.00	450	10	-	-
801119	0:15	801119	4:00	0.21	0.48	0.28	0.12	245	0.01	0.06	0.20	0.066	0.89	0.00	165	25	-	-
801120	15:05	801120	17:10	0.07	0.12	0.08	0.06	36	0.00	0.23	0.42	0.018	0.63	0.00	75	25	-	-
801120	21:45	801121	14:30	1.49	0.48	0.44	0.37	43	0.08	0.31	0.50	0.893	6.20	0.00	925	15	-	-
801125	1:10	801125	4:30	0.15	0.12	0.12	0.09	84	0.00	0.01	1.82	0.053	1.40	0.00	125	25	-	-
801127	1:30	801127	19:10	0.71	0.36	0.32	0.16	132	0.00	0.16	1.75	0.299	2.20	0.00	995	15	-	-
801128	19:40	801129	18:15	0.76	0.48	0.32	0.15	26	0.01	0.72	0.90	0.313	2.80	0.00	1300	25	-	-
801130	2:35	801130	6:00	0.10	0.12	0.08	0.05	10	0.52	1.49	1.67	0.041	0.68	0.00	180	20	-	-
801130	10:40	801130	14:30	0.15	0.12	0.12	0.08	18	0.55	1.08	1.77	0.076	1.10	0.00	210	25	-	-
801202	4:50	801202	21:30	0.98	0.48	0.36	0.23	34	0.03	0.85	1.84	0.747	5.10	0.00	775	25	-	-
801203	5:35	801204	15:00	0.61	0.24	0.16	0.12	12	0.75	1.21	2.81	0.261	1.00	0.00	1955	20	-	-
801214	5:20	801214	7:45	0.07	0.12	0.12	0.04	230	0.02	0.07	0.13	0.014	0.63	0.00	100	20	-	-
801224	1:30	801224	5:05	0.29	0.24	0.24	0.17	82	0.23	0.98	1.22	0.106	1.90	0.00	190	20	-	-
801224	5:40	801224	23:50	0.38	0.12	0.12	0.09	1	0.23	0.71	1.27	0.161	1.30	0.00	1040	20	-	-
801225	14:20	801226	10:45	1.20	0.48	0.32	0.21	6	0.36	0.97	2.15	0.990	5.50	0.00	1120	20	-	-
801226	20:55	801227	5:00	0.36	0.36	0.32	0.16	14	0.76	1.62	3.44	0.249	3.30	0.00	345	25	-	-
801227	12:20	801227	15:20	0.03	0.36	0.12	0.03	9	0.30	1.64	3.37	0.011	0.56	0.00	135	25	-	-
801229	9:40	801229	21:50	0.29	0.12	0.08	0.05	56	0.01	0.34	2.73	0.071	0.45	0.08	690	20	-	-
801230	4:15	801230	23:15	0.80	0.36	0.20	0.11	7	0.23	0.27	1.01	0.458	2.00	0.00	1060	20	-	-
*810117	10:20	810117	12:35	0.05	0.22	0.08	0.04	422	0.00	0.00	0.02	0.008	0.35	0.02	95	15	135	-
*810120	20:10	810121	8:20	0.26	0.24	0.16	0.08	504	0.00	0.10	0.18	0.102	2.20	0.00	660	20	730	-
810121	17:35	810122	0:45	0.12	0.12	0.08	0.04	11	0.24	0.24	0.41	0.052	0.58	0.00	365	30	-	-
810122	4:45	810122	8:10	0.15	0.12	0.12	0.09	22	0.12	0.34	0.51	0.065	0.97	0.00	780	15	-	-
810123	13:35	810123	23:30	0.31	0.12	0.12	0.10	20	0.00	0.60	0.77	0.165	0.99	0.00	555	25	-	-
810128	11:25	810129	6:00	0.50	0.12	0.08	0.06	108	0.05	0.17	0.43	0.311	0.92	0.00	1050	15	-	-
*810211	11:35	810212	2:55	0.52	0.29	0.18	0.13	316	0.00	0.02	0.02	0.269	2.20	0.00	880	20	920	-
810212	3:35	810212	14:10	0.31	0.19	0.13	0.08	2	0.52	0.54	0.54	0.185	1.40	0.08	590	15	-	-
810213	4:35	810213	12:05	0.20	0.12	0.08	0.06	18	0.32	0.86	0.88	0.086	0.94	0.00	380	15	-	-
*810213	12:40	810213	14:00	0.04	0.12	0.08	0.03	3	0.21	1.03	1.05	0.013	0.50	0.08	75	15	90	-
810213	16:25	810214	19:00	0.48	0.24	0.16	0.13	2	0.23	1.06	1.08	0.162	1.60	0.10	1565	20	-	-
810214	20:20	810216	6:40	0.30	0.12	0.12	0.06	2	0.41	1.34	1.51	0.076	0.77	0.08	1960	25	-	-
810216	11:25	810216	21:20	0.29	0.24	0.20	0.08	40	0.15	0.53	1.75	0.118	1.20	0.10	500	15	-	-

TABLE 16.--Continued

12119730 - 148th Avenue S.E. storm sewer below Lake Hills Boulevard at Bellevue, Washington--Continued

BDATE	BTIME	EDATE	ETIME	TRAINA	MAXR5	MAXR15	MAX1H	NDRD02	DERNP0	DERNP3	DERNP7	TOTRUN	PEAKQ	BFLOW	DURRNF	TIMBPK	DURSTO	TILASC
810217	18:25	810218	1:00	0.16	0.12	0.12	0.05	22	0.05	0.50	1.98	0.049	0.63	0.00	310	25	-	-
810218	15:40	810218	19:30	0.11	0.12	0.08	0.05	44	0.16	0.62	1.34	0.024	0.45	0.08	190	20	-	-
*810218	20:00	810218	22:30	0.08	0.24	0.16	0.06	48	0.20	1.72	2.32	0.039	1.30	0.08	35	20	150	-
810219	0:45	810219	14:30	0.37	0.84	0.56	0.20	53	0.20	0.76	2.02	0.184	3.10	0.00	595	15	-	-
810224	2:00	810224	21:00	0.40	0.24	0.16	0.09	108	0.01	0.01	0.75	0.133	0.89	0.00	1060	20	-	-
810224	23:10	810225	7:30	0.09	0.12	0.04	0.03	5	0.40	0.41	1.01	0.003	0.14	0.00	485	15	-	-
810303	4:05	810304	1:00	0.56	0.14	0.12	0.09	149	0.00	0.00	0.49	0.240	0.77	0.00	1200	15	-	-
810305	2:00	810305	4:45	0.22	0.41	0.32	0.19	25	0.01	0.59	0.59	0.114	2.60	0.00	70	25	-	-
810323	4:35	810323	17:00	0.41	0.12	0.12	0.12	434	0.02	0.11	0.14	0.140	1.60	0.00	685	25	-	-
*810324	21:10	810325	1:00	0.16	0.12	0.08	0.06	28	0.05	0.56	0.56	0.044	0.53	0.00	185	15	230	-
810328	17:25	810329	4:45	0.15	0.12	0.08	0.05	82	0.00	0.00	1.97	0.062	0.53	0.00	550	25	-	-
810330	21:05	810331	13:40	0.36	0.12	0.08	0.07	134	0.02	0.17	0.43	0.089	0.43	0.00	965	15	-	-
810402	9:10	810403	2:20	0.29	0.24	0.20	0.13	44	0.00	0.38	0.53	0.062	1.20	0.00	1010	15	-	-
810405	5:25	810405	9:00	0.18	0.12	0.12	0.11	53	0.06	0.35	0.73	0.050	0.72	0.00	180	20	-	-
810406	18:55	810406	23:55	0.40	0.58	0.50	0.25	91	0.00	0.24	0.89	0.160	4.30	0.00	145	25	-	-
810410	14:45	810411	9:00	0.40	0.22	0.16	0.12	48	0.01	0.34	0.98	0.099	0.89	0.00	1010	20	-	-
810412	9:15	810412	16:00	0.12	0.14	0.12	0.05	26	0.09	0.51	1.25	0.014	0.32	0.00	365	20	-	-
810420	5:40	810420	9:30	0.08	0.12	0.06	0.05	216	0.00	0.00	0.04	0.004	0.19	0.00	155	20	-	-
810421	18:25	810422	9:00	0.24	0.14	0.12	0.07	251	0.02	0.10	0.13	0.056	0.48	0.00	790	15	-	-
810423	20:15	810423	23:00	0.11	0.34	0.11	0.05	35	0.01	0.26	0.35	0.007	0.19	0.10	150	20	-	-
810427	10:40	810427	19:00	0.16	0.12	0.08	0.05	122	0.00	0.00	0.38	0.023	0.32	0.00	445	20	-	-
810427	22:00	810428	11:30	0.38	0.22	0.16	0.10	133	0.16	0.16	0.53	0.174	0.80	0.00	785	15	-	-
810503	14:20	810503	20:00	0.25	0.36	0.20	0.11	123	0.00	0.00	0.53	0.087	0.75	0.00	325	20	-	-
810507	2:50	810507	9:30	0.16	0.12	0.10	0.05	79	0.00	0.00	0.26	0.015	0.22	0.00	370	20	-	-
810507	16:30	810507	23:00	0.31	0.34	0.23	0.18	92	0.16	0.16	0.42	0.120	1.90	0.00	330	15	-	-
810518	12:10	810518	17:00	0.16	0.12	0.11	0.06	174	0.02	0.02	0.27	0.019	0.33	0.08	395	25	-	-
810519	8:15	810519	16:30	0.24	0.12	0.12	0.09	194	0.16	0.18	0.43	0.057	0.69	0.08	385	25	-	-
*810524	16:55	810525	8:30	0.37	0.36	0.24	0.10	122	0.05	0.05	0.46	0.092	1.30	0.08	920	15	935	-
*810605	14:10	810605	22:00	0.45	0.26	0.24	0.14	246	0.00	0.18	0.19	0.146	1.30	0.10	380	25	470	-
810608	7:50	810608	15:30	0.44	0.34	0.19	0.12	59	0.07	0.52	0.70	0.180	1.80	0.08	385	20	-	-
810609	13:45	810609	17:30	0.09	0.31	0.10	0.03	24	0.02	0.52	1.15	0.008	0.53	0.10	210	15	-	-
810612	3:50	810612	8:30	0.24	0.22	0.19	0.16	86	0.00	0.13	1.09	0.079	1.50	0.00	250	25	-	-
810612	15:40	810612	23:55	0.25	0.24	0.19	0.10	8	0.24	0.29	1.16	0.054	0.70	0.00	470	15	-	-
810618	4:05	810618	15:00	0.22	0.12	0.08	0.06	126	0.05	0.14	0.63	0.062	0.58	0.00	610	20	-	-
810630	15:55	810630	22:30	0.40	1.10	0.58	0.29	289	0.00	0.00	0.00	0.124	5.00	0.00	380	15	-	-
*810706	19:45	810707	3:00	0.42	0.43	0.35	0.17	142	0.00	0.00	0.41	0.140	2.50	0.00	410	25	435	-
810713	3:50	810713	17:00	1.13	0.34	0.31	0.22	143	0.00	0.08	0.70	0.402	2.90	0.00	605	20	-	-
810831	12:55	810901	2:00	0.17	0.12	0.08	0.04	1175	0.00	0.06	0.07	0.004	0.17	0.00	715	20	-	-
*810901	15:20	810901	17:30	0.12	0.53	0.28	0.12	1201	0.10	0.23	0.24	0.023	0.82	0.00	55	15	130	-

TABLE 16.--Continued

12119730 - 148th Avenue S.E. storm sewer below Lake Hills Boulevard at Bellevue, Washington--Continued

BDATE	BTIME	EDATE	ETIME	TRAINA	MAXRS	MAXR15	MAX1H	NORD02	DERNPD	DERNP3	DERNP7	TOTRUN	PEAKQ	BFLOW	DURRNF	TIMBPK	DURSTO	TILASC
810918	19:25	810919	4:30	0.41	0.70	0.54	0.18	1637	0.00	0.00	0.00	0.137	2.00	0.00	755	10	-	-
810920	14:40	810921	8:30	0.29	0.55	0.27	0.09	31	0.04	0.45	0.45	0.069	0.58	0.07	1025	20	-	-
*810921	9:00	810921	14:10	0.31	0.67	0.34	0.12	1	0.29	0.74	0.74	0.098	1.50	0.07	235	20	310	-
810921	14:15	810921	23:55	0.35	0.65	0.22	0.08	1	0.60	1.05	1.05	0.084	1.30	0.07	515	25	-	-
810924	23:45	810925	11:00	1.12	0.89	0.64	0.46	73	0.01	0.03	1.43	0.415	6.20	0.07	585	25	-	-
810927	15:05	810928	1:30	1.19	1.15	0.86	0.38	54	0.15	1.29	2.24	0.329	4.40	0.07	475	15	-	-
810928	6:45	810928	12:00	0.14	0.22	0.15	0.06	8	1.23	1.50	3.16	0.022	0.53	0.07	265	15	-	-
810928	17:30	810929	7:00	0.46	0.53	0.40	0.21	19	0.74	1.48	2.76	0.143	2.60	0.07	705	25	-	-
811001	14:00	811001	23:55	0.85	0.94	0.61	0.28	81	0.00	0.46	4.74	0.314	3.30	0.08	560	30	-	-
*811005	12:40	811005	17:00	0.16	0.24	0.19	0.09	107	0.00	0.01	1.33	0.042	0.64	0.08	165	20	260	-
811005	17:05	811007	4:00	3.55	1.08	0.61	0.46	114	0.16	0.17	1.48	2.763	9.80	0.08	1785	15	-	-
811008	13:45	811008	23:55	0.29	0.24	0.20	0.12	60	0.07	3.72	4.64	0.123	1.30	0.07	515	15	-	-
*811027	0:25	811027	3:00	0.10	0.12	0.08	0.05	436	0.00	0.00	0.00	0.017	0.44	0.07	100	25	155	-
811027	3:05	811027	6:00	0.07	0.12	0.08	0.05	439	0.09	0.09	0.09	0.019	0.39	0.07	125	20	-	-
*811027	7:55	811027	11:00	0.10	0.12	0.12	0.07	444	0.18	0.18	0.18	0.030	0.54	0.07	105	25	185	-
811028	15:10	811028	17:30	0.11	0.22	0.12	0.08	11	0.43	0.78	0.78	0.015	0.46	0.07	95	20	-	-
811029	3:40	811029	7:30	0.09	0.10	0.07	0.04	24	0.12	0.89	0.89	0.006	0.17	0.07	160	20	-	-
811029	13:35	811029	17:30	0.12	0.34	0.22	0.11	34	0.19	0.97	0.97	0.038	0.61	0.07	60	15	-	-
811111	3:35	811111	23:55	1.64	0.67	0.48	0.30	336	0.02	0.03	0.03	0.683	4.00	0.07	1200	25	-	-
*811113	8:25	811113	12:00	0.08	0.24	0.16	0.08	30	0.07	1.75	1.76	0.022	0.65	0.07	85	20	215	-
811114	0:10	811114	23:55	0.39	0.22	0.22	0.10	46	0.15	1.81	1.84	0.079	0.75	0.05	1405	15	-	-
811115	14:20	811115	18:00	0.16	0.24	0.17	0.07	14	0.11	0.53	2.22	0.032	0.58	0.08	160	15	-	-
811117	0:20	811117	5:00	0.14	0.24	0.19	0.10	48	0.01	0.57	2.41	0.028	0.70	0.07	260	20	-	-
811117	9:15	811117	19:00	0.42	0.24	0.20	0.15	57	0.16	0.64	2.56	0.170	1.20	0.08	525	15	-	-
811120	21:40	811121	16:00	0.57	0.36	0.24	0.16	77	0.08	0.20	1.35	0.211	2.10	0.07	1060	20	-	-
811121	19:20	811122	5:00	0.47	0.38	0.25	0.17	13	0.57	0.77	1.64	0.145	0.93	0.07	430	20	-	-
811122	18:55	811123	2:00	0.40	0.24	0.20	0.16	17	0.38	1.06	1.76	0.188	2.10	0.07	325	15	-	-
811123	5:10	811123	15:00	0.22	0.46	0.35	0.14	5	0.41	1.39	2.13	0.097	0.80	0.07	450	20	-	-
811201	15:40	811201	22:00	0.19	0.12	0.08	0.08	208	0.11	0.15	0.16	0.067	0.59	0.07	355	20	-	-
811202	1:10	811202	12:00	0.44	0.94	0.49	0.20	217	0.22	0.33	0.34	0.152	2.20	0.09	600	15	-	-
811203	9:00	811204	2:00	0.16	0.14	0.13	0.04	22	0.07	0.78	0.79	0.011	0.60	0.10	835	15	-	-
811204	18:45	811205	17:00	1.17	0.89	0.57	0.26	56	0.05	0.64	0.95	0.627	4.30	0.10	1135	20	-	-
811205	20:10	811206	23:00	0.28	0.12	0.11	0.05	6	1.13	1.34	2.12	0.140	0.60	0.08	1475	20	-	-
811209	8:25	811210	17:00	0.89	0.36	0.28	0.19	59	0.05	0.15	1.75	0.385	2.40	0.11	1830	20	-	-
811213	12:45	811213	22:00	0.30	0.22	0.15	0.13	70	0.01	0.11	1.03	0.078	1.00	0.10	435	20	-	-
811214	21:30	811215	20:00	1.01	0.36	0.29	0.22	50	0.00	0.31	1.26	0.370	2.40	0.12	1315	25	-	-
811217	21:00	811218	5:00	0.12	0.12	0.08	0.04	50	0.00	1.02	1.33	0.014	0.17	0.10	425	20	-	-
811218	8:25	811218	12:00	0.10	0.12	0.08	0.05	61	0.12	0.13	1.45	0.009	0.22	0.12	155	20	-	-
*811218	19:25	811219	10:00	0.59	0.24	0.24	0.13	72	0.24	0.25	1.57	0.260	2.90	0.10	700	20	875	-

TABLE 15.--Continued

12119730 - 148th Avenue S.E. storm sewer below Lake Hills Boulevard at Bellevue, Washington--Continued

BDATE	BTIME	EDATE	ETIME	TRAINA	MAXR5	MAXR15	MAXIH	NDRD02	DERNPD	DERNP3	DERNP7	TOTRUN	PEAKQ	BFLOW	DURRNF	TIMBPK	DURSTO	TILASC
811221	10:25	811221	13:30	0.07	0.10	0.10	0.06	135	0.00	0.73	1.95	0.012	0.43	0.10	90	15	-	-
811224	0:50	811224	9:00	0.23	0.12	0.12	0.09	198	0.02	0.12	1.05	0.047	0.58	0.10	445	20	-	-
811224	16:00	811224	22:00	0.11	0.65	0.30	0.09	9	0.24	0.27	1.28	0.021	0.60	0.12	330	15	-	-
811226	9:10	811226	22:00	0.34	0.36	0.32	0.16	50	0.03	0.39	0.59	0.058	0.74	0.10	735	15	-	-
820110	14:55	820111	20:00	0.37	0.24	0.18	0.10	183	0.00	0.22	0.24	0.095	0.53	0.10	1500	15	-	-
820115	10:20	820116	4:00	0.96	0.24	0.20	0.13	90	0.00	0.02	0.41	0.389	2.00	0.09	1220	25	-	-
820116	12:20	820116	19:00	0.17	0.12	0.11	0.09	30	0.01	0.98	1.38	0.074	0.96	0.14	190	15	-	-
820117	6:15	820117	17:00	0.23	0.22	0.15	0.10	12	0.19	1.14	1.54	0.084	0.73	0.07	550	15	-	-
820122	10:15	820123	2:00	0.52	0.12	0.12	0.09	91	0.00	0.01	1.38	0.171	0.87	0.09	855	25	-	-
820123	12:30	820123	23:55	0.85	0.34	0.29	0.22	12	0.52	0.54	0.94	0.439	2.90	0.09	625	15	-	-
820125	5:45	820125	9:00	0.07	0.12	0.04	0.03	31	0.00	1.38	1.62	0.008	0.12	0.10	145	10	-	-
*820125	10:10	820125	15:00	0.06	0.12	0.12	0.06	35	0.07	1.45	1.63	0.032	0.64	0.08	60	20	290	-
820125	19:00	820126	16:00	1.03	0.34	0.23	0.14	44	0.13	1.17	1.53	0.641	2.40	0.10	1140	15	-	-
820130	17:35	820130	22:00	0.16	0.34	0.26	0.11	101	0.04	0.08	1.89	0.044	0.76	0.11	200	15	-	-

TABLE 16.--Continued

473544122083001 - 148th Avenue S.E. detention basin No. 5 outlet at Bellevue, Washington

BDATE	BTIME	EDATE	ETIME	TRAINA	MAXR5	MAXR15	MAX1H	NORD02	DERNPD	DERNP3	DERNP7	TOTRUN	PEAKQ	BFLOW	DURRNF	TIMBPK	DURSTO	TILASC
*810605	14:20	810605	21:30	0.45	0.26	0.24	0.14	246	0.00	0.18	0.19	0.089	0.51	0.00	380	20	430	-
*810921	9:00	810921	13:15	0.31	0.67	0.34	0.12	1	0.29	0.74	0.74	0.045	0.69	0.07	185	30	255	-
*811005	12:40	811005	17:00	0.16	0.24	0.19	0.09	107	0.00	0.01	1.33	0.023	0.19	0.07	165	40	250	-
*811027	7:55	811027	11:00	0.10	0.12	0.12	0.07	444	0.18	0.18	0.18	0.014	0.16	0.07	105	55	185	-
*811113	8:25	811113	12:00	0.08	0.24	0.16	0.08	30	0.07	1.75	1.76	0.012	0.16	0.07	85	40	215	-
*811218	19:25	811219	11:00	0.59	0.24	0.24	0.13	72	0.24	0.25	1.57	0.386	1.70	0.09	700	35	935	-
*820125	10:10	820125	18:00	0.06	0.12	0.12	0.06	35	0.07	1.45	1.63	0.030	0.18	0.10	60	45	470	-

473542122083001 - 148th Avenue S.E. detention basin No. 3 outlet at Bellevue, Washington

BDATE	BTIME	EDATE	ETIME	TRAINA	MAXR5	MAXR15	MAX1H	NORD02	DERNPD	DERNP3	DERNP7	TOTRUN	PEAKQ	BFLOW	DURRNF	TIMBPK	DURSTO	TILASC
*810605	14:15	810605	21:00	0.45	0.26	0.24	0.14	246	0.00	0.18	0.19	0.091	0.93	0.00	380	20	405	-
*810921	9:00	810921	12:05	0.31	0.67	0.34	0.12	1	0.29	0.74	0.74	0.045	1.20	0.07	185	15	185	-
*811005	12:40	811005	17:00	0.16	0.24	0.19	0.09	107	0.00	0.01	1.33	0.023	0.74	0.07	165	20	250	-
*811027	7:55	811027	11:00	0.10	0.12	0.12	0.07	444	0.18	0.18	0.18	0.014	0.55	0.07	105	35	185	-
*811113	8:25	811113	12:00	0.08	0.24	0.16	0.08	30	0.07	1.75	1.76	0.013	0.54	0.07	85	25	215	-
*811218	19:25	811219	11:00	0.59	0.24	0.24	0.13	72	0.24	0.25	1.57	0.397	1.80	0.09	700	20	935	-
*820125	10:10	820125	18:00	0.06	0.12	0.12	0.06	35	0.07	1.45	1.63	0.029	0.60	0.10	60	20	470	-

Table 17.--Daily discharge data

STATION NUMBER 12120005 SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA
LATITUDE 473602 LONGITUDE 1221130

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---		2.2		---	---	.03	.01	.62	.00	.01	.33
2	---		.22		---	---	.03	.01	.50	.02	.05	.10
3	---		---		---	---	.03	.01	.06	.01	.03	.00
4	---		---		---	---	.03	.01	.01	.04	.02	.01
5	---		---		---	.04	.16	.02	.10	.01	.01	.01
6	---		---		---	.03	.14	.01	.06	.02	.01	.15
7	---		---		---	.03	.03	.02	.01	.02	.01	.03
8	---		---		---	.04	.17	.00	.08	.01	.01	.00
9	---		---		---	.02	.46	.02	.00	.01	.01	.01
10	---		---		---	.14	.06	.03	.01	.02	.03	.01
11	---		---		---	.36	.04	.03	.03	.13	.02	.00
12	---		---		---	.26	.04	.02	.02	.01	.01	.05
13	---		---		---	.87	.03	.03	.04	.03	.01	.08
14	---		---		---	.26	.19	.02	.01	.10	.01	.02
15	---		---		---	.10	.03	.02	.02	.01	.01	.01
16	---		---		---	.13	.02	.09	.50	.01	.01	.00
17	---		---		---	.39	.03	.01	.06	.00	.29	.02
18	---		---		---	.10	.04	.00	.01	.02	.20	.02
19	---		---		---	.11	.73	.02	.03	.01	.01	.11
20	---		---		---	.21	.22	.07	.00	.03	.03	.10
21	---		---		---	.06	.05	.18	.01	.03	.01	.17
22	---		---		---	.05	.03	.08	.02	.03	.00	.02
23	---		---		---	.06	.03	.03	.02	.03	.01	.02
24	.27		---		---	.05	.02	.06	.01	.03	.00	.01
25	---		---		.60	.04	.03	.09	.48	.03	.02	.01
26	---		---		.80	.12	.03	.50	.02	.03	.05	.03
27	---		---		.54	.08	.02	.10	.02	.01	.13	.03
28	---		---		.49	.03	.16	.04	.01	.01	.29	.02
29	---		---		---	.05	.04	.00	.02	.01	.00	.28
30	---		---		---	.03	.02	.01	.01	.01	.03	.04
31	---		---		---	.10	---	.01	---	.02	.02	---
TOTAL	---		---		---	---	2.94	1.55	2.79	.75	1.35	1.69

TABLE 17.--Continued

STATION NUMBER 12120005 SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA
LATITUDE 473602 LONGITUDE 1221130

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.02	.37	.12	.15	.06	.03	.00	.01	.01	.01	.02	.03
2	.00	.03	1.0	.14	.04	.02	.08	.01	.02	.01	.03	.03
3	.01	.47	.49	.06	.02	.39	.02	.13	.03	.01	.03	.03
4	.03	.05	.32	.03	.01	.36	.02	.01	.02	.01	.03	.02
5	.01	.26	.09	.04	.02	.17	.07	.01	.22	.01	.03	.00
6	.01	.68	.06	.06	.03	.07	.19	.01	.01	.12	.02	.00
7	.03	.52	.03	.02	.03	.04	.03	.31	.02	.23	.02	.00
8	.13	.31	.04	.06	.03	.02	.03	.02	.22	.03	.02	.00
9	.01	.26	.01	.03	.02	.02	.00	.04	.04	.02	.02	.00
10	.02	.09	.04	.04	.02	.04	.03	.02	.03	.09	.02	.00
11	.01	.06	.05	.01	.32	.01	.10	.27	.01	.01	.02	.00
12	.06	.03	.02	.01	.64	.04	.05	.03	.33	.01	.02	.00
13	.02	.04	.02	.01	.39	.02	.00	.01	.03	.83	.01	.00
14	.01	.08	.08	.01	.45	.01	.00	.04	.02	.02	.03	.00
15	.01	.03	.01	.04	.37	.23	.00	.01	.05	.01	.03	.00
16	.01	.02	.03	.03	---	.11	.00	.01	.02	.01	.02	.00
17	.02	.06	.03	.06	---	.04	.00	.01	.01	.01	.03	.00
18	.01	.02	.02	.12	.41	.02	.00	.08	.12	.02	.01	.04
19	.03	.20	.02	.03	.69	.04	.00	.16	.03	.03	.01	.20
20	.03	.21	.33	.07	.19	.03	.02	.02	.01	.03	.01	.12
21	.03	1.4	.68	.26	.07	.03	.00	.01	.01	.03	.01	.34
22	.02	.10	.14	.33	.09	.12	.03	.00	.01	.03	.01	.02
23	.01	.08	.04	.38	.18	.28	.03	.01	.02	.03	.01	.01
24	.10	.05	.61	---	.38	.10	.02	.11	.01	.01	.01	.02
25	.03	.14	.66	---	.16	.11	.01	.12	.01	.01	.01	.41
26	.03	.06	1.4	---	.06	.02	.01	.01	.01	.01	.01	.03
27	.02	.65	.54	.10	.03	.01	.08	.01	.01	.02	.01	.77
28	.01	.13	.15	.39	.07	.02	.25	.01	.01	.01	.01	.21
29	.03	.66	.33	.36	---	.10	.02	.01	.01	.02	.02	.24
30	.02	.32	1.0	.08	---	.01	.02	.01	.14	.02	.02	.01
31	.45	---	.34	.06	---	---	---	.01	---	.02	.21	---
TOTAL	1.23	7.38	8.70	---	---	---	1.11	1.52	1.49	1.73	.76	2.53

TABLE 17.--Continued

STATION NUMBER 12120005 SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA
LATITUDE 473602 LONGITUDE 1221130

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.60	.02	.18	.02								
2	.06	.00	.33	.15								
3	.02	.03	.16	.10								
4	.03	.00	.28	.06								
5	.51	.00	1.0	.03								
6	4.0	.00	.36	.02								
7	.48	.00	.09	.02								
8	.29	.00	.04	.05								
9	.10	.00	.43	.02								
10	.06	.00	.43	.08								
11	.06	1.1	.07	.17								
12	.06	.11	.06	.03								
13	.02	.11	.29	.06								
14	.01	.86*	.06	.02								
15	.01	.96*	1.3	.39								
16	.01	.90*	.16	.76								
17	.01	.46	.11	.24								
18	.01	.04	.44	.07								
19	.01	.12	.80	.04								
20	.00	.14	.16	.03								
21	.01	.57	.15	.04								
22	.00	.62	.05	.34								
23	.00	.34	.04	.66								
24	.00	.16	.36	.19								
25	.00	.16	.07	.43								
26	.01	.16	.36	.95								
27	.31	.02	.13	.28								
28	.25	.02	.10	.13								
29	.07	.01	.04	.07								
30	.07	.05	.03	.33								
31	.03	---	.03	.11								
TOTAL	7.10	6.96	8.11	5.89								

* Discharge includes domestic sewage.

Table 17.--Continued

STATION NUMBER 12119725 LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.
LATITUDE 473623 LONGITUDE 1220812

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					---	.04	.01	.01	.71	.01	.01	.56
2					---	.04	.01	.01	.10	.01	.04	.08
3					---	.13	.02	.01	.01	.01	.01	.01
4					---	.07	.02	.01	.01	.04	.01	.01
5					.21	.03	.26	.01	.08	.01	.01	.01
6					.65	.01	.23	.01	.04	.01	.01	.18
7					.04	.01	.02	.01	.01	.01	.01	.03
8					.01	.01	.24	.01	.12	.01	.01	.01
9					.01	.01	.85	.01	.01	.01	.01	.01
10					.01	.34	.03	.01	.01	.01	.01	.01
11					.01	.48	.02	.01	.01	.12	.01	.01
12					.01	.32	.02	.01	.01	.01	.01	.05
13					.01	1.1	.02	.01	.01	.01	.01	.07
14					.01	.16	.29	.01	.01	.08	.01	.01
15					.05	.04	.02	.01	.01	.01	.01	.01
16					.04	.06	.04	.01	.29	.01	.01	.01
17					.28	.26	.03	.01	.02	.01	.81	.01
18					.59	.04	.03	.01	.01	.01	.07	.01
19					.07	.06	1.2	.01	.01	.01	.01	.05
20					.35	.28	.22	.06	.01	.01	.01	.08
21					.02	.03	.04	.14	.01	.01	.01	.15
22					.02	.03	.02	.02	.01	.01	.01	.01
23					.03	.02	.03	.01	.01	.01	.01	.01
24					.02	.02	.02	.05	.01	.01	.01	.01
25					.21	.01	.01	.06	.74	.01	.01	.01
26					.97	.19	.01	.45	.01	.01	.02	.01
27					.43	.02	.02	.06	.01	.01	.18	.01
28					.58	.02	.04	.01	.01	.01	.20	.01
29					.05	.06	.05	.01	.01	.01	.01	.48
30					---	.01	.01	.01	.01	.01	.01	.01
31					---	.01	---	.01	---	.01	.05	---
TOTAL					---	3.91	3.83	1.08	2.32	.52	1.61	1.93

TABLE 17.--Continued

STATION NUMBER 12119725 LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.
LATITUDE 473623 LONGITUDE 1220812

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.01	.66	.04	.05	.02	.02	.02	.00	.00	.01	.00	.06
2	.01	.02	2.1	.04	.02	.03	.21	.00	.00	.00	.00	.00
3	.01	.53	.67	.03	.01	.55	.02	.17	.03	.00	.00	.00
4	.01	.02	.44	.02	.01	.08	.05	.00	.02	.01	.00	.00
5	.01	.44	.06	.02	.01	.29	.19	.00	.34	.01	.00	.00
6	.01	1.1	.04	.07	.01	.03	.33	.00	.00	.15	.00	.00
7	.01	.71	.02	.02	.01	.04	.09	1.1	.04	.44	.00	.00
8	.04	.35	.01	.02	.01	.03	.15	.01	.35	.01	.00	.00
9	.01	.19	.01	.01	.02	.02	.07	.02	.06	.00	.00	.00
10	.01	.02	.05	.01	.01	.02	.07	.01	.00	.02	.00	.00
11	.01	.01	.03	.01	.51	.02	.31	.30	.00	.00	.00	.00
12	.09	.01	.03	.01	.54	.03	.12	.01	.33	.00	.00	.00
13	.01	.01	.01	.01	.47	.02	.02	.01	.01	1.5	.00	.00
14	.01	.13	.19	.01	.35	.02	.02	.22	.00	.00	.00	.00
15	.01	.01	.01	.01	.17	.37	.03	.00	.03	.00	.00	.00
16	.01	.01	.01	.01	.56	.05	.03	.00	.00	.00	.00	.01
17	.01	.03	.01	.04	.16	.02	.01	.00	.02	.00	.00	.01
18	.01	.01	.01	.09	.23	.02	.02	.12	.13	.00	.01	.01
19	.01	.21	.01	.01	.45	.02	.01	.17	.01	.00	.00	.18
20	.01	.46	.45	.04	.05	.02	.11	.00	.00	.00	.00	.17
21	.01	2.1	.83	.29	.04	.03	.05	.00	.00	.00	.00	.74
22	.01	.04	.14	.36	.03	.04	.27	.00	.00	.00	.00	.02
23	.01	.08	.02	.62	.04	.37	.04	.00	.00	.00	.00	.00
24	.10	.01	.85	.06	.35	.07	.01	.17	.00	.00	.01	.01
25	.02	.18	.93	.03	.10	.13	.00	.10	.00	.00	.00	1.4
26	.01	.01	1.9	.17	.03	.01	.00	.00	.00	.00	.00	.04
27	.01	1.0	.60	.06	.03	.01	.09	.00	.00	.00	.00	1.6
28	.01	.10	.06	.52	.03	.01	.28	.00	.00	.00	.00	.48
29	.01	.88	.63	.41	---	.08	.00	.00	.00	.02	.01	.27
30	.01	.33	1.4	.04	---	.02	.00	.00	.26	.00	.02	.01
31	.51	---	.18	.03	---	.28	---	.00	---	.00	.05	---
TOTAL	1.02	9.66	11.74	3.12	4.27	2.75	2.62	2.41	1.63	2.17	.10	5.01

TABLE 17.--Continued

STATION NUMBER 12119725 LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.
LATITUDE 473623 LONGITUDE 1220812

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.95	.01	.17	.01								
2	.06	.01	.61	.35								
3	.01	.06	.15	.09								
4	.01	.01	---*	.14								
5	.59	.01	---*	.03								
6	---*	.01	---*	.00								
7	---*	.01	.12	.00								
8	---*	.01	.04	.09								
9	.11	.01	---*	.02								
10	.02	.01	---*	.14								
11	.02	2.1	.08	.19								
12	.01	.14	.02*	.03								
13	.01	.15	---	.05								
14	.01	.38	---*	.02								
15	.01	.19	---*	.71								
16	.01	.03	.18	.78								
17	.01	.70	---*	.28								
18	.01	.03	---*	.04								
19	.01	.26	---	.03								
20	.01	.16	.11	.03								
21	.01	1.0	.13	.04								
22	.01	.88	.02	.69								
23	.01	.57	---*	1.4								
24	.01	.07	---*	.30								
25	.01	.03	.04	.75								
26	.01	.02	---*	1.4								
27	.36	.01	.12	.28								
28	.36	.01	.15	.10								
29	.13	.01	.03	.04								
30	.05	.05	.01	.24								
31	.01	---	.05	.05								
TOTAL	---	6.94	---	8.32								

* Backwater.

TABLE 17.--Continued

STATION NUMBER 12119730 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA
LATITUDE 473601 LONGITUDE 1220830

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	.05	.04	.00	.00	.00	.42	.00	.08	.24
2			---	.02	.24	.00	.00	.00	.08	.00	.06	.06
3			---	.05	.01	.00	.00	.00	.00	.01	.01	.08
4			---	.08	.00	.00	.00	.00	.00	.02	.05	.08
5			---	.08	.01	.00	.05	.00	.01	.01	.05	.08
6			---	.08	.03	.00	.09	.00	.01	.05	.06	.15
7			---	.05	.00	.00	.00	.00	.01	.02	.03	.08
8			---	.08	.00	.00	.04	.00	.03	.02	.07	.08
9			---	.07	.00	.00	.28	.01	.01	.02	.07	.07
10			---	.06	.00	.03	.00	.01	.04	.02	.05	.07
11			---	.33	.00	.10	.00	.03	.02	.12	.04	.06
12			---	1.7	.00	.04	.00	.03	.07	.02	.03	.10
13			---	.10	.00	.48	.00	.01	.05	.03	.02	.09
14			---	.15	.00	.01	.06	.03	.00	.10	.00	.08
15			---	.09	.00	.00	.00	.02	.00	.05	.00	.06
16			---	.37	.00	.00	.00	.01	.15	.07	.00	.06
17			---	.12	.03	.12	.00	.00	.00	.06	.15	.08
18			---	.08	.12	.00	.01	.01	.00	.04	.01	.07
19			---	.08	.01	.00	.46	.05	.00	.03	.04	.07
20			---	.08	.09	.03	.06	.04	.00	.07	.08	.17
21			---	.06	.00	.00	.00	.10	.00	.04	.08	.12
22			---	.00	.00	.00	.00	.04	.00	.03	.08	.02
23			---	.00	.00	.00	.00	.06	.00	.01	.08	.01
24			---	.00	.00	.00	.00	.07	.00	.03	.08	.02
25			---	.00	.03	.00	.00	.05	.31	.05	.08	.04
26			.00	.00	.40	.02	.00	.21	.00	.02	.09	.06
27			.00	.00	.14	.00	.00	.02	.00	.02	.11	.08
28			.00	.00	.28	.00	.00	.00	.00	.05	.17	.08
29			.00	.00	.00	.01	.01	.00	.00	.06	.08	.20
30			.01	.00	---	.00	.00	.00	.00	.01	.07	.04
31			.03	.01	---	.00	---	.00	---	.05	.06	---
TOTAL			---	3.79	1.43	.84	1.06	.80	1.21	1.13	1.88	2.50

TABLE 17.--Continued

STATION NUMBER 12119730 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA
LATITUDE 473601 LONGITUDE 1220830

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.01	.21	.00	.09	.00	.00	.00	.05	.11	.00	.00	.04
2	.03	.04	.78	.07	.00	.00	.04	.03	.11	.00	.00	.00
3	.03	.23	.18	.05	.00	.23	.02	.15	.11	.00	.00	.00
4	.07	.08	.16	.00	.00	.02	.00	.00	.10	.00	.00	.01
5	.04	.21	.00	.00	.00	.19	.08	.02	.25	.00	.00	.00
6	.07	.43	.00	.00	.00	.00	.17	.07	.10	.06	.00	.00
7	.05	.28	.00	.00	.00	.00	.01	.16	.10	.24	.00	.00
8	.10	.16	.00	.00	.00	.00	.00	.03	.31	.00	.00	.00
9	.01	.04	.00	.06	.00	.04	.00	.02	.11	.00	.00	.00
10	.02	.00	.05	.07	.00	.03	.00	.03	.03	.03	.00	.00
11	.06	.00	.01	.07	.21	.00	.12	.21	.00	.00	.00	.00
12	.02	.00	.00	.09	.31	.02	.01	---	.15	.00	.00	.00
13	.01	.00	.00	.19	.23	.08	.00	---	.00	.00	.00	.00
14	.00	.04	.03	.29	.21	.08	.01	---	.00	.46	.00	.00
15	.00	.00	.00	.36	.12	.08	.02	.08	.00	.00	.00	.00
16	.00	.00	.00	.37	.25	.00	.04	.09	.00	.00	.00	.00
17	.00	.03	.00	.19	.11	.00	.03	.09	.00	.00	.00	.00
18	.00	.00	---	.00	.12	.02	.03	.10	.09	.00	.00	.01
19	.01	.09	---	.00	.19	.01	.05	.14	.00	.00	.00	.25
20	.00	.10	---	.01	.00	.04	.03	.08	.00	.00	.00	.18
21	.01	.83	---	.15	.00	.02	.01	.08	.00	.00	.00	.30
22	.00	.00	---	.11	.00	.18	.10	.11	.00	.00	.00	.07
23	.00	.00	.00	.18	.00	.18	.05	.10	.00	.00	.00	.07
24	.04	.00	.27	.00	.12	.06	.08	.15	.00	.00	.00	.07
25	.00	.08	.27	.00	.00	.10	.04	.14	.00	.00	.00	.51
26	.00	.33	.89	.03	.00	.03	.04	.12	.00	.00	.00	.12
27	.00	.31	.22	.00	.00	.00	.06	.09	.00	.00	.00	.47
28	.00	.01	.10	.19	.01	.01	.21	.11	.00	.00	.00	.17
29	.00	.38	.17	.13	---	.06	.05	.10	.00	.00	.01	.23
30	.00	.15	.49	.00	---	.00	.09	.10	.14	.00	.00	.08
31	.18	---	.09	.00	---	.09	---	---	---	.00	.03	---
TOTAL	.76	4.03	---	2.70	1.88	1.57	1.39	---	1.71	.79	.04	2.58

TABLE 17.--Continued

STATION NUMBER 12119730 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA
LATITUDE 473601 LONGITUDE 1220830

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.40	.07	.14	.11								
2	.09	.07	.26	.12								
3	.07	.07	.12	.14								
4	.07	.07	.18	.13								
5	.30	.07	.69	.12								
6	2.4	.07	.20	.10								
7	.28	.07	.11	.09								
8	.16	.07	.11	.11								
9	---	.07	.26	.11								
10	---	.07	.36	.13								
11	---	.77	.12	.31								
12	---	---	.12	.11								
13	---	.09	.19	.10								
14	---	.13	.13	.09								
15	.07	.11	.54	.30								
16	---	.09	.15	.40								
17	---	.27	.12	.16								
18	---	---	.20	.12								
19	---	---	.41	.11								
20	---	.08	.11	.10								
21	.07	.36	.11	.10								
22	---	.37	.09	.24								
23	---	.21	.08	.57								
24	---	.18	.18	.23								
25	---	.16	.11	.30								
26	---	.14	.16	.66								
27	.20	.10	.15	.17								
28	.18	.08	.14	.12								
29	.12	.07	.12	.11								
30	.08	.08	.12	.16								
31	.07	---	.12	.12								
TOTAL	---	---	5.90	5.74								

TABLE 17.--Continued

STATION NUMBER 473544122083001 148TH AV SE DET'N BASIN 5 OUTLET @ BELLEVUE, WA.
LATITUDE 473544 LONGITUDE 1220830

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							---	.00	.00	.00	.00	.02
2							---	.00	.00	.00	.00	.00
3							---	.03	.02	.00	.00	.00
4							---	.00	.01	.00	.00	.00
5							---	.00	.07	.00	.00	.00
6							---	.00	.00	.02	.00	.00
7							---	.07	.01	.12	.00	.00
8							.00	.00	.09	.00	.00	.00
9							.00	.01	.02	.00	.00	.01
10							.01	.01	.00	---	.00	.00
11							.08	---	.00	---	.00	.00
12							.02	.00	.09	---	.00	.00
13							.00	.00	.00	---	.01	.00
14							---	.05	.00	---	.00	.00
15							---	.00	.01	.00	.00	.01
16							---	.00	.00	.00	.00	.00
17							---	.00	.00	.00	.00	.01
18							---	.02	.04	.00	.00	.00
19							---	.04	.00	.00	.00	.11
20							---	.00	.00	.02	.00	.05
21							---	.00	.00	.00	.00	.18
22							---	.00	.00	.00	.00	.07
23							.02	.00	.00	.00	.00	.07
24							.00	.04	.00	.00	.00	.07
25							.00	.03	.00	.00	.00	.34
26							.00	.00	.00	.00	.00	.08
27							.02	.00	.00	.00	.00	.45
28							.07	.00	.00	.00	.00	.15
29							.00	.00	.00	.00	.00	.17
30							.00	.00	.06	.00	.00	.08
31							---	.00	---	.00	.02	---
TOTAL							---	---	.42	---	.03	1.87

TABLE 17.--Continued

STATION NUMBER 473544122083001 148TH AV SE DET'N BASIN 5 OUTLET @ BELLEVUE, WA.
LATITUDE 473544 LONGITUDE 1220830

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.24	.07	.09	.11								
2	.09	.07	.17	.12								
3	.07	.07	.07	.14								
4	.07	.07	.06	.13								
5	.13	.07	.58	.12								
6	---	.07	---	.10								
7	---	.07	.11	.09								
8	---	.07	.11	.11								
9	---	.07	.19	.11								
10	---	.07	.36	.13								
11	---	---	.12	---								
12	---	---	.12	.11								
13	---	.08	.19	.10								
14	---	.12	.13	.09								
15	.07	.11	---	.19								
16	---	.09	.15	.31								
17	---	.21	.13	.17								
18	---	---	.16	.12								
19	---	---	.41	.11								
20	---	---	.11	.10								
21	.07	---	.11	.10								
22	---	---	.09	.17								
23	---	---	.08	.30								
24	---	.18	.16	.19								
25	---	.16	.11	.15								
26	---	.14	.17	.40								
27	.12	.10	.15	.17								
28	.13	.08	.14	.12								
29	.10	.07	.12	.11								
30	.08	.08	.12	.15								
31	.07	---	.12	.12								
TOTAL	---	---	---	---								

TABLE 18.--Daily precipitation data

STATION NUMBER 12120005 SURREY DOWNS TRIB OF MERCER SLOUGH AT BELLEVUE
LATITUDE 473602 LONGITUDE 1221130

RAINFALL, ACCUMULATED (INCHES), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
SUMMATION VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						.00	.13	.00	.00	.73	.00	.21
2						.00	.16	.00	.00	.00	.00	.83
3						.10	.00	.01	.00	.00	.00	.05
4						.55	.12	.22	.00	.01	.00	.12
5						.08	.00	.30	.12	.01	.00	.25
6						.06	.06	.03	.03	.00	.00	.00
7						.06	.00	.00	.00	.00	.00	.09
8						.00	.06	.00	.00	.00	.00	.40
9						.00	.11	.11	.00	.09	.00	.01
10						.00	.17	.00	.00	.05	.00	.00
11						.00	.17	.00	.00	.03	.00	.00
12						.00	.30	.00	.00	.03	.00	.00
13						.00	.10	.00	.00	.00	.00	.00
14						.02	.01	.00	.00	.00	.10	.00
15						.16	.00	.00	.00	.00	.00	.00
16						.00	.09	.03	.05	.00	.05	.00
17						.02	.21	.00	.09	.00	.19	.00
18						.03	.00	.00	.05	.00	.14	.00
19						.00	---	.00	.03	.00	.03	.00
20						.00	---	.00	.00	.00	.01	.00
21						.00	---	.00	.00	.00	.05	.00
22						.00	---	.00	.00	.00	.06	.00
23						.00	---	.00	.00	.00	.00	.00
24						.00	---	.00	.00	.00	.00	.00
25						.00	---	.00	.00	.00	.00	.00
26						.00	---	.05	.00	.00	.00	.01
27						.01	---	.32	.00	.00	.00	.00
28						.00	---	.02	.00	.00	.00	.00
29						.00	---	.00	.00	.00	.00	.00
30						.04	---	.00	.09	.00	.00	.00
31						.10	---	.00	---	.00	---	---
TOTAL						1.23	1.69	1.09	0.46	0.95	0.63	1.97

[1]National Oceanic and Atmospheric Administration (NOAA). Local climatological data, Seattle State EMSU.

TABLE 18.--Continued

STATION NUMBER 12120005 SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA
LATITUDE 473602 LONGITUDE 1221130

RAINFALL, ACCUMULATED (INCHES), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
SUMMATION VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	1.32	.13	.30	.00	.00	.00	.96	.00	.00	.46
2	.00	.02	.08	.23	.74	.00	.00	.02	.36	.00	.07	.04
3	.00	.20	.72	.00	.13	.20	.00	.00	.00	.01	.00	.00
4	.00	.08	.00	.09	.00	.03	.02	.00	.00	.07	.00	.00
5	.00	.01	.00	.13[1,S]	.19	.00	.27	.00	.19	.00	.02	.00
6	.00	.00	.05	.03	.35	.00	.26[1]	.00	.06	.00	.00	.27
7	.00	.00	.04	.31[1,S]	.01	.00	.00	.00	.01	.00	.00	.01
8	.00	.00	.01	.50[1,S]	.00	.00	.31	.00	.14	.00	.00	.00
9	.00	.00	.58	.24[1,S]	.00	.00	.61	.00	.00	.00	.00	.00
10	.00	.00	.05	.01[1,S]	.00	.27	.00	.00	.00	.00	.00	.00
11	.00	.00	.01	.89[1,S]	.00	.40[1,T]	.00	.00	.00	.24	.00	.00
12	.01	.00	.02	.81[1,S]	.00	.34	.00	.00	.00	.00	.00	.08
13	.19	.00	.42	.09	.00[1,T]	.73	.00	.00	.00	.00	.00	.14
14	.02	.01	1.20	.22	.01[1,S]	.14[1,S]	.28	.00	.00	.18	.00	.00
15	.16	.00	.39[1,S]	.07	.32[1,S]	.01	.00	.05	.00	.00	.00	.00
16	.00	.05	.63[1,S]	.63	.00[1,S]	.10	.00	.00	.36	.00	.00	.00
17	.40	.04	1.39	.09	.41[1,T]	.41	.02	.00	.02	.00	.53	.00
18	.29	.00	.56	.00	.37	.00	.04	.00	.00	.00	.11	.01
19	.82[1]	.00	.65	.00	.12	.11	1.07	.05	.00	.02	.05	.09
20	.00[1]	.00	.22	.00	.25	.17	.12	.11	.00	.01	.00	.24
21	.00[1]	.01	.83	.00	.00	.00	.00	.22	.00	.00	.00	.15
22	.47[1]	.59	.01[1,T]	.00	.00	.01	.00	.05	.00	.00	.00	.00
23	.02	.06	.14	.00	.00	.01	.00	.00	.02	.00	.00	.00
24	.44	.34	.01	.00	.02	.00	.00	.10	.04	.00	.00	.00
25	.34	.12	.06	.00	.32	.00	.00	.15	.70	.00	.00	.00
26	.31	.19	.00	.00	.87	.21	.00	.60	.01	.00	.08	.00
27	.74	.00	.00	.00	.36	.01	.00	.11	.00	.00	.18	.00
28	.14	.04	.01	.00	.31	.00	.21	.00	.00	.00	.33	.04
29	.01	.00	.00	.00	.00	.07	.03	.00	.00	.00	.00	.43
30	.00	.02	.21	.00	---	.01	.00	.00	.00	.00	.07	.00
31	.00	---	.20	.28	---	.11	---	.00	---	.00	.03	---
TOTAL	4.36	1.78	9.81	4.75	5.08	3.34	3.24	1.46	2.87	0.53	1.47	1.96

[1] NOAA.
[S] Snow.
[T] Trace of snow.

TABLE 18.--Continued

STATION NUMBER 12120005 SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA
LATITUDE 473602 LONGITUDE 1221130

RAINFALL, ACCUMULATED (INCHES), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
SUMMATION VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.40	.07	.00	.00	.00	.02	.00	.00	.00	.00	.08
2	.00	.01	.97	.00	.00	.00	.22	.00	.03	.00	.00	.00
3	.00	.59	.39	.00	.00	.54	.05	.23	.03	.00	.00	.00
4	.00	.02	.17[1,T]	.00	.00	.06	.05	.00	.04	.00	.00	.03
5	.00	.33	.13[1,S]	.00	.00	.10	.15	.00	.34	.00	.00	.01
6	.00	.91	.00[1,S]	.05	.00	.00	.42	.00	.01	.31	.00	.00
7	.00	.39	.00[1,T]	.00	.00	.04	.11	.51	.03	.33	.00	.00
8	.19	.07[1,T]	.00[1,T]	.04	.01	.01	.11	.03	.32	.00	.00	.00
9	.00	.22	.00	.01	.02[T]	.00	.00	.03	.06	.00	.00	.00
10	.00	.00	.04	.00	.00	.00	.10	.07	.04	.15	.00	.00
11	.00	.00	.03	.00	.58[S]	.00	.26[T]	.36	.00	.01	.00	.00
12	.12	.00	.02	.00	.34	.00	.12[T]	.00	.60	.00	.00	.00
13	.01	.00	.01	.00	.44	.00	.00	.00	.01	1.19	.00	.00
14	.00	.12	.12	.01	.32	.00	.00	.10	.00	.00	.00	.00
15	.00	.00	.00	.00	.19	.39	.02	.00	.11	.00	.00	.00
16	.00	.01	.00	.01	.49[1]	.06	.00	.00	.02	.00	.00	.00
17	.00	.05	.01	.11	.17[1]	.00	.00	.02	.04	.00	.00	.00
18	.00	.00	.00	.11	.32	.00	.00	.15	.21	.00	.00	.12
19	.00	.21	.00	.01	.42	.00	.00	.23	.03	.00	.00	.36
20	.04	.31	.44	.10	.00	.00	.08	.00	.00	.00	.00	.13
21	.01	1.36	.72	.28	.00	.04	.02	.01	.01	.00	.00	.63
22	.01	.01	.05	.31	.00	.04	.11	.00	.03	.00	.00	.01
23	.00	.01	.00	.39	.03	.34	.07	.00	.00	.00	.00	.00
24	.16	.01	.69	.02[1]	.37	.17	.00	.21	.00	.00	.00	.04
25	.00	.15	.64	.00[1]	.06	.12	.00	.14	.00	.00	.00	.64
26	.00	.00	.87	.25[1]	.00	.00	.00	.00	.00	.00	.00	.05
27	.01	.71	.18	.10	.00	.00	.16	.00	.00	.00	.00	1.19
28	.00	.13	.00	.42	.00	.04	.34	.00	.00	.00	.00	.27
29	.00	.54	.30	.21	---	.12	.00	.01	.00	.03	.04	.29
30	.00	.19	.85	.01	---	.02	.00	.01	.28	.00	.00	.01
31	.62	---	.02	.02	---	.12	---	.00	---	.00	.21	---
TOTAL	1.17	6.75	6.72	2.46	3.76	2.21	2.41	2.11	2.24	2.02	0.25	3.86

[1] NOAA.
[S] Snow.
[T] Trace of snow.

TABLE 18.--Continued

STATION NUMBER 12120005 SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA
LATITUDE 473602 LONGITUDE 1221130

RAINFALL, ACCUMULATED (INCHES), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
SUMMATION VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.86	.00	.23	.01[1]								
2	.00	.00	.39	.35[1,S]								
3	.01	.04	.21	.09[1,S]								
4	.00	.00	.38	.14[1,S]								
5	.80	.00	.81	.03[1,S]								
6	3.54	.00	.23	.00[1,S]								
7	.14	.00	.02	.00[1,S]								
8	.26	.00	.02	.11[S]								
9	.01	.02	.44	.01								
10	.00	.03	.35	.13								
11	.00	1.53	.00	.18								
12	.00	.01	.00	.01								
13	.00	.14	.38[T]	.05								
14	.00	.30	.00	.00								
15	.00	.13	.64	.58								
16	.00	.01	.00	.52								
17	.00	.51	.07	.14								
18	.00	.00	.52	.00								
19	.00	.14	.52	.00								
20	.00	.22	.01	.00								
21	.00	.62	.09[T]	.02								
22	.00	.67	.01	.49								
23	.00	.19	.02	.57								
24	.00	.00	.36	.00								
25	.00	.00	.00	.44								
26	.01	.00	.43[T]	.56								
27	.59	.01	.08[T]	.10								
28	.30	.00	.05[T]	.01								
29	.12	.01	.01[1,T]	.01								
30	.09	.09	.01[1,T]	.39								
31	.00	---	.05[1,T]	.00								
TOTAL	6.73	4.67	6.33	4.94								

[1] NOAA.
[S] Snow.
[T] Trace of snow.

TABLE 18.--Continued

STATION NUMBER 12119725 LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.
LATITUDE 473023 LONGITUDE 1220812

RAINFALL, ACCUMULATED (INCHES), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
SUMMATION VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			1.37	.19	.29	.00	.00	.00	.74	.00	.00	.55
2			.08	.00	.73	.00	.00	.02	.29	.00	.09	.02
3			.61	.11	.18	.23	.00	.00	.00	.00	.00	.00
4			.09	.19	.00	.01	.01	.00	.00	.10	.00	.00
5			.00	.13[1,S]	.16	.00	.30	.00	.08	.00	.02	.00
6			.12	.00	.27	.00	.26[1,T]	.00	.08	.00	.00	.23
7			.05	.31[1,S]	.00	.00	.00	.00	.01	.00	.00	.01
8			.00	.50[1,S]	.00	.00	.30	.00	.19	.00	.00	.00
9			.77	.24[1,S]	.00	.00	.64	.00	.00	.00	.00	.00
10			.06	.01[1,S]	.00	.35	.00	.00	.00	.00	.00	.00
11			.00	.89[1,S]	.00	.40[1,T]	.00	.00	.00	.21	.00	.00
12			.14	.81[1,S]	.00	.31	.00	.00	.00	.03	.00	.12
13			.34	.01	.00[1,T]	.65	.00	.00	.00	.00	.00	.16
14			1.17	.27	.01[1,S]	.14[1,S]	.29	.00[3]	.00	.05	.00	.01
15			.39[1,S]	.04	.32[1,S]	.01	.00	.08[3]	.00	.03	.00	.00
16			.63[1,S]	.61	.00[1,S]	.07	.00	.00	.32	.00	.00	.00
17			1.36	.09[T]	.41[1,T]	.40	.02	.00	.01	.00	.54	.00
18			.55	.01	.38	.00	.03	.00	.00	.00	.11	.01
19			.67	.00	.09	.09	1.15	.06[3]	.00	.01	.00	.10
20			.19	.00	.24	.18	.11	.12[3]	.00	.00	.00	.14
21			.96	.00	.00	.00	.00	.20	.00	.01	.00	.13
22			.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
23			.14[1,T]	.00	.00	.00	.00	.01	.04	.01	.00	.00
24			.01	.00	.02	.00	.00	.12	.04	.00	.00	.00
25			.07	.00	.29	.00	.00	.10	.76	.00	.00	.00
26			.01	.00	.80	.21	.00	.50	.02	.00	.04	.00
27			.00	.00	.35	.00	.00	.09	.00	.00	.17	.01
28			.00	.00	.36	.00	.07	.00	.00	.00	.26	.00
29			.00	.00	.00	.12	.07	.00	.00	.00	.00	.49
30			.12	.00	---	.00	.00	.00	.00	.00	.05	.00
31			.28	.28	---	.12	---	.00	---	.00	.07	---
TOTAL			10.19	4.69	4.90	3.29	3.25	1.30	2.58	0.45	1.35	1.98

[1] NOAA.
[S] Snow.
[T] Trace of snow.
[3] Data from a gage in another catchment.

TABLE 18.--Continued

STATION NUMBER 12119725 LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.
LATITUDE 473623 LONGITUDE 1220812

RAINFALL, ACCUMULATED (INCHES), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
SUMMATION VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.50	.03	.00	.00	.00[1]	.00	.00	.00	.00	.00	.13
2	.00	.01	1.03	.01	.00	.00[1]	.24	.00	.03	.00	.00	.00
3	.00	.51	.43	.00	.00	.52[1]	.01	.27	.08	.00	.00	.00
4	.00	.01	.17[1,T]	.00	.00	.06[1]	.07	.01	.04	.00	.00	.00
5	.00	.35	.13[1,S]	.00	.00	.07[1]	.19	.00	.43	.00	.00	.00
6	.00	.74	.00[1,S]	.07	.00	.00[1]	.37	.00	.00	.26	.00	.00
7	.00	.42	.00[1,T]	.00	.00	.06[1]	.13	.33	.07	.39	.00	.00
8	.11	.07[1,T]	.00[1,T]	.04	.00	.00[1]	.14	.02	.40	.00	.00	.00
9	.00	.17	.00	.01	.02[T]	.00[1]	.00	.02	.10	.00	.00	.00
10	.00	.00	.06	.00	.00	.00[1]	.10	.05	.02	.04	.00	.00
11	.00	.00	.02	.00	.66[S]	.00[1]	.30[T]	.37	.00	.01	.00	.00
12	.16	.00	.02	.00	.34	.00[1]	.12[T]	.00	.47	.00	.00	.00
13	.00	.00	.02	.00	.43	.00[1]	.00	.00	.01	1.18	.00	.00
14	.00	.16	.17	.00	.23	.00[1]	.00	.25	.00	.00	.00	.00
15	.00	.01	.00	.01	.14	.56[1]	.02	.00	.10	.00	.00	.00
16	.00	.02	.01	.00	.44	.06[1]	.00	.00	.00	.00	.00	.00
17	.00	.03	.01	.07	.14	.00[1]	.00	.02	.06	.00	.00	.00
18	.00	.00	.00	.09	.24	.00[1]	.00	.18	.22	.00	.00	.27[1]
19	.00	.20	.00	.00	.33	.00	.00	.23	.02	.00	.00	.34[1]
20	.03	.27	.42	.08	.00[1]	.00	.17	.01	.00	.00	.00	.17[2]
21	.03	1.28	.58	.29	.00[1]	.06	.05	.01	.04	.00	.00	.88[2]
22	.00	.01	.03	.30	.00[1]	.03	.21	.00	.01	.00	.00	.00[2]
23	.00	.06	.00	.35	.07[1]	.33	.09	.00	.00	.00	.00	.01[2]
24	.17	.00	.63	.01	.39[1]	.13	.00	.27	.00	.00	.00	.02[2]
25	.00	.17	.53	.00	.11[1]	.10	.00	.14	.00	.00	.01	1.06[2]
26	.00	.00	.78	.16	.00[1]	.00	.00	.00	.00	.00	.00	.07[2]
27	.00	.71	.20	.06	.00[1]	.00	.19	.00	.00	.00	.00	1.27[2]
28	.00	.08	.00	.40	.00[1]	.05	.31	.00	.00	.00	.00	.35[2]
29	.00	.54	.30	.21	---	.10	.00	.00	.00	.03	.03	.20
30	.00	.22	.83	.01	---	.02	.00	.00	.33	.00	.00	.01
31	.60	---	.02	.01	---	.31	---	.00	---	.00	.17	---
TOTAL	1.10	6.54	6.42	2.18	3.54	2.46	2.71	2.18	2.43	1.91	0.21	4.78

[1] NOAA.

[2] Data from an alternate gage in the catchment.

S Snow.

T Trace of snow.

TABLE 18.--Continued

STATION NUMBER 12119725 LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.
LATITUDE 473623 LONGITUDE 1220812

RAINFALL, ACCUMULATED (INCHES), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
SUMMATION VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.76	.00	.19	.01								
2	.01	.00	.42	.35 1,S								
3	.00	.10	.16	.09 1,S								
4	.00	.00	.37	.14 1,S								
5	.66	.00	.82	.03 1,S								
6	2.91	.00	.23	.00 1,S								
7	.09	.00	.01	.00 1,S								
8	.27	.00	.03	.09 2,S								
9	.00	.00	.44	.01								
10	.00	.02	.36	.18								
11	.00	1.52	.00	.13								
12	.00	.02	.01	.02								
13	.00	.11	.30	.01								
14	.00	.30	.07	.00								
15	.00	.09	.83	.49								
16	.00	.02	.00	.38								
17	.00	.52	.06	.15								
18	.00	.00	.38	.00								
19	.00	.13	.43	.00								
20	.00	.16	.00	.00								
21	.00	.66	.10 T	.02								
22	.00	.48	.01	.49								
23	.00	.21	.02	.63								
24	.00	.00	.33	.00								
25	.00	.00	.01	.45								
26	.00	.00	.29	.49								
27	.54	.01	.06 T	.08								
28	.30	.00	.10 T	.01								
29	.16	.01	.01	.00								
30	.07	.09	.01 T	.17								
31	.00	---	.05 T	.02								
TOTAL	5.77	4.45	6.10	4.44								

[1] NOAA.

[2] Data from an alternate gage in the catchment.

S Snow.

T Trace of snow.

TABLE 18.--Continued

STATION NUMBER 12119730 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA
LATITUDE 473601 LONGITUDE 1220830

RAINFALL, ACCUMULATED (INCHES), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
SUMMATION VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			1.26[2]	.17	.28	.00	.00	.00	1.00[2]	.00	.00	.59
2			.08[2]	.19	.74	.00	.00	.02	.15[2]	.00	.09	.03
3			.67[2]	.00	.15	.23	.00	.00	.00	.00	.00	.00
4			.11[2]	.12	.00	.02	.01	.00	.00[2]	.11	.00	.00
5			.00[2]	.13[1,S]	.16	.00	.33	.00	.18[2]	.00	.02	.00
6			.07[2]	.01	.29	.00	.23	.00	.08[2]	.00	.00	.24
7			.05[2]	.31[1,S]	.00	.00	.00	.00	.02[2]	.00	.00	.00
8			.01[2]	.50[1,S]	.00	.00	.31	.00	.14[2]	.00	.00	.00
9			.64[2]	.24[1,S]	.00	.00	.66	.00	.00	.00	.00	.00
10			.04[2]	.01[1,S]	.01	.29	.00	.00	.00	.00	.00	.00
11			.00	.89[1,S]	.00	.41[T]	.00	.00	.00	.26	.00	.00
12			.06	.81[1,S]	.00	.33	.00	.00	.00	.00	.00	.12
13			.48	.09	.00[T]	.76	.00	.00	.00	.00	.00	.16
14			1.29[1,S]	.23	.01[1,S]	.14[1,S]	.30	.02	.00	.21	.00	.01
15			.39[1,S]	.04	.32[1,S]	.00[2]	.00	.08	.00	.00	.00	.00
16			.63[1,S]	.59	.00[1,S]	.11[2]	.00	.00	.36	.00	.00	.00
17			1.38	.09[T]	.32[T]	.48[2]	.00	.00	.00	.00	.54	.00
18			.56	.00	.39	.00[2]	.04	.00	.00	.00	.08	.01
19			.67	.00	.09	.11[2]	1.17	.06	.00	.03	.00	.12
20			.19	.00	.24	.19[2]	.12	.12	.00	.01	.00	.21
21			.95	.00	.00	.00[2]	.00	.20	.00	.00	.00	.14
22			.00[1,T]	.00	.00	.00[2]	.00	.06	.00	.00	.00	.00
23			.14[1,T]	.00	.00	.01[2]	.00	.01	.04[2]	.02	.00	.00
24			.00	.00	.01	.00[2]	.00	.11	.05	.00	.00	.00
25			.07	.00	.29	.01[2]	.00	.09	.78	.00	.00	.00
26			.00	.00	.81	.23	.00	.59	.02	.00	.04	.00
27			.00	.00	.34	.00	.00	.08	.00	.00	.19	.00
28			.00	.00	.39	.00	.06	.00	.00	.00	.34	.00
29			.00	.00	.00	.12	.07	.00	.00	.00	.00	.50
30			.11	.00	---	.00	.00	.00	.00	.00	.05	.00
31			.18	.27	---	.12	---	.00	---	.00	.08	---
TOTAL			10.03	4.69	4.84	3.56	3.30	1.44	2.82	0.64	1.43	2.13

[1]NOAA.

[2]Data from an alternate gage in the catchment.

[S]Snow.

[T]Trace of snow.

TABLE 18.--Continued

STATION NUMBER 12119730 148TH AV STORM SWR BLW I-K HILLS BLVD BELLEVUE,WA
LATITUDE 473601 LONGITUDE 1220830

RAINFALL, ACCUMULATED (INCHES), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
SUMMATION VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.55	.03[2]	.01	.01	.00	.00	.00	.00	.01	.00	.11
2	.00	.01	.98[2]	.01	.03	.00	.24	.00	.02	.00	.00	.00
3	.00	.54	.28[2]	.00	.01	.56	.00	.26	.09	.00	.00	.00
4	.00	.00	.17[1,T]	.01	.00	.05	.06	.00	.04	.00	.00	.01
5	.00	.40	.13[1,S]	.01	.00	.25	.18	.00	.43	.00	.00	.00
6	.00	.84	.00[S]	.07[2]	.00	.00	.39	.00	.00	.20	.00	.00
7	.00	.48	.01[2,T]	.01	.00	.02	.11	.39	.06	.41	.00	.00
8	.15	.07[1,T]	.00[2,T]	.01	.00	.00	.19	.02	.41	.00	.00	.00
9	.00	.14[2]	.00[2]	.01	.01[T]	.00	.00	.03	.12	.00	.00	.00
10	.00	.00	.06[2]	.01	.00	.00	.11	.07	.02	.06	.00	.00
11	.00	.01[2]	.03	.00	.41[S]	.00	.34[T]	.39	.00	.00	.00	.00
12	.17	.00	.02	.01	.32	.00	.12[T]	.00[3]	.47	.00	.00	.00
13	.00	.00	.02	.01	.46[2]	.00	.00	.00[3]	.00	1.15	.00	.00
14	.00	.13[2]	.14	.02	.27[2]	.00	.00	.25[3]	.00	.00	.00	.00
15	.00	.01[2]	.00	.00	.16[2]	.00	.02	.00	.08	.00	.00	.00
16	.00	.01[2]	.00	.00	.42[2]	.00	.00	.00	.01	.00	.00	.00
17	.00	.04[2]	.01	.07	.15[2]	.00	.00	.02	.04	.00	.00	.00
18	.00	.01[2]	.00	.09	.20[2]	.00	.00	.15	.23	.00	.00	.06
19	.00	.22[2]	.00	.00[2]	.37[2]	.00	.00	.23	.01	.00	.00	.42
20	.03	.31[2]	.42	.09	.02	.00	.15	.01	.00	.00	.00	.18
21	.07	1.26[2]	.58	.29[2]	.00	.05	.04	.01	.03	.00	.00	.83
22	.00	.01[2]	.03	.28[2]	.00	.03	.21	.00	.02	.00	.00	.00
23	.00	.01[2]	.00	.34[2]	.01	.41	.10	.00	.00	.00	.00	.01
24	.17	.00	.67[2]	.03	.42	.13	.00	.29	.00	.00	.00	.12
25	.00	.16[2]	.60[2]	.01	.08	.10	.00	.15	.00	.00	.01	1.15
26	.00	.00	.84[2]	.14[2]	.00	.00	.00	.00	.00	.00	.00	.06
27	.00	.71[2]	.24[2]	.06[2]	.00	.00	.17	.00	.00	.00	.00	1.28
28	.00	.09[2]	.00[2]	.32[2]	.00	.05	.36	.00	.00	.00	.00	.32
29	.00	.70[2]	.29[2]	.19	---	.10	.00	.00	.00	.02	.05	.19
30	.00	.30[2]	.80[2]	.01	---	.03	.00	.01	.29	.00	.00	.01
31	.62	---	.02	.02	---	.33	---	.00	---	.00	.16	---
TOTAL	1.21	7.01	6.37	2.13	3.35	2.11	2.79	2.28	2.37	1.85	0.22	4.75

[1] NOAA.

[2] Data from an alternate gage in the catchment.

[3] Data from a gage in another catchment.

[S] Snow.

[T] Trace of snow.

TABLE 18.--Continued

STATION NUMBER 12119730 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA
LATITUDE 473601 LONGITUDE 1220830

RAINFALL, ACCUMULATED (INCHES), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
SUMMATION VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.77	.00	.22	.01 1,S								
2	.00	.00	.43	.35 1,S								
3	.01	.06	.16	.09 1,S								
4	.00	.00	.36	.14 1,S								
5	.64	.00	.89	.03 1,S								
6	2.90	.00	.23	.00 S								
7	.07	.00	.01	.00 1,S								
8	.26	.01	.03	.16 S								
9	.00	.00	.47	.01								
10	.00	.02	.42	.19								
11	.00	1.61	.00	.17								
12	.00	.02	.00 T	.00								
13	.00	.14	.30 T	.03								
14	.00	.33	.08	.00								
15	.00	.17	.90	.53								
16	.00	.01	.00	.52								
17	.00	.56	.06	.22								
18	.01	.00	.39	.00								
19	.00	.13	.47	.00								
20	.00	.17	.00	.00								
21	.00	.66	.08 T	.02								
22	.00	.52	.02	.50								
23	.00	.23	.01	.81								
24	.00	.00	.33	.00								
25	.00	.00	.00	.55								
26	.00	.00	.40 T	.62								
27	.56	.00	.07 T	.09								
28	.33	.00	.07 T	.00								
29	.18	.00	.01 T	.00								
30	.08	.10	.01 T	.19								
31	.00	---	.05 T	.03								
TOTAL	5.81	4.74	6.47	5.26								

[1] NOAA.
[S] Snow.
[T] Trace of snow.

TABLE 19.--Concentration of the core constituents in storm runoff

[For fecal coliform bacteria "K" indicates that the reported value is based on a count outside the ideal range.]

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)
OCT , 1979									
24...	0830	.74	30	6.8	63	17	--	--	35
24...	0835	.68	27	6.8	--	--	--	24	39
24...	0855	.65	25	6.7	56	16	--	26	40
24...	0935	.48	26	6.7	42	9.6	--	28	20
24...	1010	.71	24	6.7	36	8.1	--	--	16
24...	1015	.80	21	6.7	--	--	--	41	19
24...	1050	.77	18	6.6	42	7.6	--	21	30
24...	1120	.59	22	6.6	43	9.1	--	24	22
24...	1125	.51	22	6.6	38	--	--	--	--
24...	1320	.62	25	6.8	36	8.5	--	--	24
24...	1335	.74	23	6.8	--	--	--	21	25
24...	1405	.93	21	6.7	33	8.2	--	--	34
24...	1420	.99	18	6.7	--	--	--	21	32
24...	1505	.80	25	6.6	30	--	--	--	25
24...	1520	.54	31	6.5	--	4.9	--	34	20
24...	1555	.18	--	--	36	--	--	--	--
24...	1600	.16	--	--	--	--	--	--	--
DEC									
01...	1155	.84	91	7.0	88	--	K600	--	82
01...	1200	1.1	62	7.2	--	--	--	48	88
01...	1220	.99	35	7.0	79	--	K1300	--	66
01...	1225	1.2	32	6.9	--	--	--	23	68
01...	1245	1.4	24	6.9	66	--	K630	20	73
01...	1305	1.7	20	6.7	60	--	--	--	92
01...	1310	1.6	20	6.7	--	--	K400	24	82
01...	1345	1.3	23	6.6	--	--	--	22	46
01...	1350	1.3	22	6.6	38	--	K800	--	37
01...	1500	1.6	16	6.5	21	--	K300	--	52
01...	1515	1.9	16	6.5	--	--	--	21	53
01...	1630	2.1	18	6.4	33	--	K700	--	53
01...	1645	1.9	18	6.3	--	--	--	21	70
01...	1815	1.7	21	6.5	20	--	K300	--	33
01...	1830	2.2	22	6.5	--	--	--	24	29
01...	1915	1.6	--	--	17	--	--	--	--
01...	2150	2.7	29	6.4	--	--	K550	14	19
02...	0020	1.5	37	6.7	--	--	K730	--	--
02...	0200	.48	82	6.8	22	--	--	61	12
FEB , 1980									
25...	1445	.59	64	7.2	120	--	--	--	610
25...	1450	.48	62	7.2	--	--	K1400	--	--

TABLE 19.--Continued

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
OCT , 1979									
24...	--	--	--	--	--	--	99	11	1.0
24...	.14	.000	1.10	.72	.130	.080	--	--	--
24...	.07	.000	1.20	.64	.130	.080	95	10	.9
24...	.08	.000	1.50	.66	.110	.070	71	8.2	1.4
24...	--	--	--	--	--	--	65	7.0	1.2
24...	.12	.000	1.10	.75	.110	.070	--	--	--
24...	.08	.000	1.00	.68	.110	.060	77	5.9	1.8
24...	.12	.000	.88	--	.110	.060	52	5.9	1.6
24...	.13	.010	.99	.79	.100	.070	75	6.1	1.6
24...	--	--	--	--	--	--	70	--	--
24...	.12	.000	.74	.71	.100	.060	--	5.7	.7
24...	--	--	--	--	--	--	79	5.5	1.0
24...	.10	.000	1.50	.83	.110	.050	--	--	--
24...	--	--	--	--	--	--	66	5.3	.9
24...	.22	.000	.89	.80	.100	.070	--	--	--
24...	.36	.010	.95	.85	.110	.070	70	--	--
24...	--	--	--	--	--	--	--	6.7	.5
DEC									
01...	--	--	--	--	--	--	210	15	4.8
01...	.13	.090	1.40	.63	.230	.090	--	--	--
01...	--	--	--	--	--	--	190	19	1.4
01...	.09	.070	1.30	.54	.180	.060	--	--	--
01...	.09	.060	1.10	.40	.170	.170	220	11	1.3
01...	--	--	--	--	--	--	210	10	2.2
01...	.09	.060	1.50	.57	.160	.050	--	--	--
01...	.08	.040	2.20	.55	.120	.050	--	--	--
01...	--	--	--	--	--	--	110	6.8	1.9
01...	--	--	--	--	--	--	150	.2	.2
01...	.11	.060	.86	.30	.120	.000	--	--	--
01...	--	--	--	--	--	--	140	4.0	1.0
01...	.13	.070	1.20	.53	.150	.040	--	--	--
01...	--	--	--	--	--	--	74	4.8	1.5
01...	.21	.090	.82	.45	.110	.060	--	--	--
01...	.24	.090	.63	.75	.100	.110	53	4.2	.5
01...	.28	.100	.85	.52	.110	.050	51	4.7	.3
02...	--	--	--	--	--	--	--	--	--
02...	.96	.120	1.60	.93	.140	.070	23	9.6	.4
FEB , 1980									
25...	.21	.120	2.30	1.1	.510	.050	250	9.5	4.7
25...	--	--	--	--	--	--	--	--	--

TABLE 19.-Continued

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)
FEB , 1980									
25...	1515	.56	40	7.1	110	--	--	--	259
25...	1520	.65	37	7.0	--	--	K820	--	--
25...	1550	.71	30	7.0	86	--	--	--	247
25...	1555	.71	30	7.0	--	--	K1600	--	203
25...	1615	.40	35	6.8	68	--	--	--	110
25...	1620	.32	37	6.8	--	--	2100	--	118
25...	1630	.22	43	6.7	--	--	--	--	--
25...	1635	.23	--	--	59	--	--	--	--
25...	1640	.23	--	--	--	--	--	--	--
25...	1845	.28	60	7.1	31	--	--	41	30
25...	1855	.32	55	7.1	--	--	4700	--	47
25...	1925	.53	40	6.9	39	--	--	21	56
25...	1935	.59	39	6.8	--	--	5000	--	59
25...	2115	.62	44	7.1	28	--	--	22	16
25...	2145	.59	35	6.9	--	--	K3000	--	58
26...	0315	1.2	24	6.9	28	--	--	12	53
26...	0345	1.3	24	6.8	--	--	K130	--	43
26...	0545	.30	67	6.7	22	--	--	40	12
26...	0615	.28	--	--	--	--	K150	--	6
26...	0724	.26	--	--	--	--	--	--	--
26...	0726	.25	72	--	--	--	--	--	--
26...	0730	.23	70	--	21	--	--	--	--
26...	0828	1.8	26	7.1	75	--	--	14	164
26...	0840	2.3	19	6.8	--	--	K1200	--	210
26...	1215	.32	75	6.8	28	--	--	48	12
26...	1220	.35	77	6.8	--	--	K160	--	14
26...	1335	.68	42	6.7	41	--	--	22	32
26...	1745	.80	51	6.7	40	--	--	25	35
27...	0435	.45	95	6.8	--	--	--	77	7
27...	0525	.40	95	6.8	28	--	--	--	10
MAR									
12...	1445	.40	81	6.6	44	--	--	52	60
12...	1450	.51	72	6.7	--	8.7	3200	--	55
12...	1455	.65	59	6.9	43	--	--	48	60
12...	1500	.65	56	6.7	--	7.2	2700	--	44
12...	1520	.68	42	6.6	50	--	--	--	55
12...	1525	.71	38	6.6	--	8.9	K400	--	51
12...	1600	.71	36	6.6	33	--	--	26	41
12...	1605	.71	33	6.6	--	6.1	K500	--	41
12...	1630	.42	40	6.6	32	--	--	28	34

TABLE 19.--Continued

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)
FEB , 1980									
25...	.15	.060	1.20	1.1	.270	.020	70	15	6.2
25...	--	--	--	--	--	--	--	--	--
25...	.13	.020	1.30	.13	.300	.010	--	--	--
25...	--	--	--	--	--	--	--	--	--
25...	.16	.060	.66	.33	.170	.010	200	12	5.2
25...	--	--	--	--	--	--	--	--	--
25...	.24	.130	.72	.41	.020	.010	150	--	--
25...	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	10	8.6
25...	.27	.020	.47	.04	.080	.010	100	6.8	1.5
25...	--	--	--	--	--	--	--	--	--
25...	.16	.020	.43	.04	.100	.010	170	5.3	2.3
25...	--	--	--	--	--	--	--	--	--
25...	.16	.000	.21	.00	.070	.020	70	4.5	1.7
25...	--	--	--	--	--	--	--	--	--
26...	.13	.000	.38	.00	.140	.010	76	3.0	.4
26...	--	--	--	--	--	--	--	--	--
26...	.45	.020	.46	.36	.090	.030	17	7.4	.5
26...	--	--	--	--	--	--	--	--	--
26...	.43	.040	.51	.73	.070	.040	920	--	--
26...	--	--	--	--	--	--	--	5.5	.6
26...	--	--	--	--	--	--	--	--	--
26...	.14	.000	1.30	.02	.150	.010	240	3.5	6.3
26...	--	--	--	--	--	--	--	--	--
26...	.52	.040	.34	.20	.090	.040	44	8.2	.5
26...	--	--	--	--	--	--	--	--	--
26...	.26	.030	.71	.08	.080	.030	66	5.3	1.5
26...	.32	.060	.34	.12	.070	.040	50	7.5	.6
27...	.77	.040	.27	.27	.060	.040	--	--	--
27...	--	--	--	--	--	--	17	6.6	.2
MAR									
12...	.49	.000	1.30	.66	.200	.060	170	6.8	3.2
12...	--	--	--	--	--	--	--	--	--
12...	.34	.000	1.10	.50	.180	.040	180	5.8	2.7
12...	--	--	--	--	--	--	--	--	--
12...	.19	.120	1.50	.51	.150	.030	130	6.0	2.0
12...	--	--	--	--	--	--	--	--	--
12...	.21	.150	.73	.84	.120	.030	96	4.8	1.8
12...	--	--	--	--	--	--	--	--	--
12...	.23	.180	.64	.44	.110	.020	80	8.2	1.7

TABLE 19.--Continued

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)
MAR , 1980									
12...	1645	.32	49	6.6	--	6.5	K820	--	27
12...	1950	.74	48	6.8	47	--	--	31	66
12...	1955	.93	41	6.9	--	4.9	K4000	--	102
12...	2005	1.1	31	6.8	54	--	--	24	110
12...	2010	.99	30	6.9	--	6.0	K550	--	64
12...	2015	.71	33	6.8	50	--	--	20	77
12...	2020	.68	34	6.9	--	4.6	K450	--	83
12...	2100	2.1	44	6.9	110	--	--	20	307
12...	2105	2.3	40	6.8	--	8.0	K500	--	223
12...	2110	1.7	--	6.6	74	--	--	--	--
12...	2115	1.2	40	6.8	86	--	--	24	224
12...	2120	.99	43	6.7	--	8.8	K730	--	229
12...	2135	.65	50	6.8	45	--	--	28	80
12...	2140	.56	53	6.7	--	5.4	K640	--	62
19...	2105	.48	76	6.8	49	--	--	54	62
19...	2110	.45	76	6.9	--	7.8	--	--	54
19...	2325	.62	70	6.8	43	--	--	50	36
19...	2335	.88	54	6.8	--	3.4	--	--	61
19...	2355	.88	36	6.7	31	--	--	28	43
20...	0005	1.1	33	6.7	--	3.8	--	--	38
20...	0025	.84	32	6.8	22	--	--	17	27
20...	0035	1.1	32	6.8	--	2.8	--	--	24
20...	0105	.99	27	6.7	24	--	--	24	33
20...	0115	1.1	26	6.7	--	1.9	--	--	34
20...	0145	.74	35	6.8	19	--	--	24	16
20...	0155	.84	36	6.8	--	2.7	--	--	12
20...	0215	.53	43	6.8	28	--	--	27	9
20...	0225	.53	49	6.8	--	3.0	--	--	7
20...	0310	.42	54	6.9	16	--	--	38	10
20...	0320	.30	58	6.9	--	2.8	--	--	7
APR									
05...	0125	.51	86	6.7	86	--	--	67	102
05...	0130	.71	70	6.9	--	16	K400	--	93
05...	0135	.80	60	6.9	81	--	--	48	82
05...	0140	.77	54	6.9	--	14	K400	--	80
05...	0145	.77	51	6.8	79	--	--	44	73
05...	0150	.71	47	6.8	--	12	K800	--	59
05...	0155	.53	45	6.8	60	--	--	--	52
05...	0200	.51	44	6.7	--	9.0	K800	--	40
05...	0220	.51	42	6.7	40	--	--	35	26

TABLE 19.--Continued

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)
MAR , 1980									
12...	--	--	--	--	--	--	--	--	--
12...	.24	.120	1.00	.58	.130	.030	190	4.1	4.3
12...	--	--	--	--	--	--	--	--	--
12...	.16	.080	1.30	.48	.160	.030	240	3.6	2.9
12...	--	--	--	--	--	--	--	--	--
12...	.18	.150	1.00	1.1	.140	.020	170	3.5	--
12...	--	--	--	--	--	--	--	--	--
12...	.13	.040	2.20	.67	.300	.020	560	2.5	--
12...	--	--	--	--	--	--	--	--	--
12...	.17	.220	1.10	.69	.160	.020	360	--	--
12...	.16	.170	1.30	.49	.240	.020	350	2.3	4.3
12...	--	--	--	--	--	--	--	--	--
12...	.23	.250	1.00	.54	.150	.020	95	3.2	--
12...	--	--	--	--	--	--	--	--	--
19...	.43	.130	1.20	.86	.130	.020	160	7.9	2.6
19...	--	--	--	--	--	--	--	--	--
19...	.49	.080	.88	.64	.080	.010	80	7.9	1.6
19...	--	--	--	--	--	--	--	--	--
19...	.33	.020	.66	.46	.090	.010	100	4.7	1.9
20...	--	--	--	--	--	--	--	--	--
20...	.20	.040	.71	.41	.070	.020	69	4.3	2.0
20...	--	--	--	--	--	--	--	--	--
20...	.20	.100	.54	.81	.070	.010	68	2.3	.9
20...	--	--	--	--	--	--	--	--	--
20...	.27	.100	.59	.47	.060	.020	34	3.4	--
20...	--	--	--	--	--	--	--	--	--
20...	.32	.100	.77	.56	.050	.020	23	4.6	.5
20...	--	--	--	--	--	--	--	--	--
20...	.36	.100	.50	.41	.050	.010	39	4.5	.1
20...	--	--	--	--	--	--	--	--	--
APR									
05...	.63	.380	2.70	1.4	.540	.150	210	17	2.2
05...	--	--	--	--	--	--	--	--	--
05...	.52	.340	1.70	1.1	.330	.090	200	13	2.0
05...	--	--	--	--	--	--	--	--	--
05...	.44	.490	1.70	1.2	.340	.160	220	14	1.8
05...	--	--	--	--	--	--	--	--	--
05...	.41	.410	1.40	1.1	.200	.110	120	16	1.1
05...	--	--	--	--	--	--	--	--	--
05...	.34	.290	.91	.96	.120	.080	55	9.5	1.4

TABLE 19.--Continued

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)
APR , 1980									
05...	0245	.30	46	6.7	--	8.6	K400	--	20
05...	0315	.15	61	6.7	46	--	--	--	15
05...	0330	.08	72	6.8	--	4.9	K300	--	9
18...	2120	.20	151	6.9	210	--	--	108	42
18...	2130	.40	103	6.8	150	--	--	78	74
18...	2145	.32	92	6.6	75	--	--	66	45
18...	2200	.16	100	6.8	61	--	--	78	24
18...	2230	.08	124	6.6	82	--	--	100	20
19...	0235	.59	45	--	57	--	--	34	36
19...	0415	.40	39	--	31	--	--	30	11
19...	0555	.48	41	--	31	--	--	28	17
19...	0735	.88	26	--	33	--	--	19	37
19...	0915	.80	32	--	23	--	--	30	20
19...	0955	.77	32	--	25	--	--	28	25
19...	1100	2.4	23	--	230	--	--	21	469
19...	1105	1.7	25	--	93	--	--	21	182
19...	1125	.93	27	--	52	--	--	22	97
19...	1155	.48	42	--	52	--	--	36	32
19...	1240	.20	61	--	24	--	--	50	13
MAY									
20...	1140	.19	125	7.0	110	--	--	84	68
20...	1145	.25	113	7.0	--	16	5800	--	60
20...	1205	.11	115	6.9	110	--	--	84	39
20...	1210	.16	115	6.9	--	15	K9200	--	33
20...	1230	.16	121	6.8	170	--	--	92	33
20...	1235	.11	119	6.9	--	36	4100	--	36
20...	1255	.22	107	6.9	130	--	--	88	43
20...	1300	.22	103	6.9	--	16	4000	--	42
20...	1330	.16	113	6.8	120	--	--	90	27
20...	1335	.13	113	6.9	--	18	3700	--	30
JUL									
04...	0225	.29	180	7.0	140	--	--	138	122
04...	0240	.19	120	6.7	--	9.4	3800	--	57
04...	0325	.16	87	6.4	120	--	--	102	28
04...	0340	.22	74	6.7	--	15	3000	--	40
04...	0355	.25	69	6.4	77	--	--	75	20
04...	0440	.13	66	6.7	61	11	3800	68	14
04...	0455	.13	66	6.6	--	10	5000	--	12
04...	0540	.09	95	6.7	61	--	--	80	8
04...	0555	.09	104	6.6	--	8.7	4800	--	6

TABLE 19.--Continued

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)
APR , 1980									
05...	--	--	--	--	--	--	--	--	--
05...	.60	.300	.93	1.0	.090	.070	34	12	.8
05...	--	--	--	--	--	--	--	--	--
18...	1.9	.190	2.30	1.7	.240	.030	84	46	5.7
18...	.82	.260	2.10	1.6	.240	.030	180	32	12
18...	.69	.250	1.10	1.1	.170	.060	100	19	13
18...	.78	.360	1.30	1.4	.120	.060	76	18	1.7
18...	.96	.300	1.40	1.5	.090	.050	57	29	1.5
19...	.19	.000	1.20	.63	.120	.020	70	10	6.7
19...	.15	.000	1.20	.82	.050	.020	27	8.0	2.1
19...	.14	.000	2.70	.48	.050	.020	36	7.8	3.5
19...	.07	.000	1.20	.58	.090	.020	59	6.4	5.9
19...	.09	.000	1.20	.53	.060	.020	34	8.5	2.3
19...	.10	.000	.96	.53	.060	.020	43	7.7	3.1
19...	.08	.040	8.30	.76	.700	.060	700	5.7	--
19...	.06	.000	2.30	.53	.290	.030	330	6.3	13
19...	.18	.020	.81	.48	.160	.030	140	7.9	8.8
19...	.23	.000	.99	.97	.100	.030	45	7.1	1.9
19...	.38	.000	.82	.63	.070	.050	23	7.7	--
MAY									
20...	1.1	.670	2.30	1.6	.240	.090	200	14	2.1
20...	--	--	--	--	--	--	--	--	--
20...	1.2	.420	1.70	1.5	.180	.090	170	16	1.5
20...	--	--	--	--	--	--	--	--	--
20...	1.1	.340	1.50	1.3	.180	.100	150	41	1.6
20...	--	--	--	--	--	--	--	--	--
20...	.88	.300	1.40	1.7	.180	.090	160	20	1.7
20...	--	--	--	--	--	--	--	--	--
20...	1.1	.320	1.40	1.4	.150	.090	110	21	1.4
20...	--	--	--	--	--	--	--	--	--
JUL									
04...	1.6	1.10	5.00	5.3	.640	.130	250	30	3.6
04...	--	--	--	--	--	--	--	--	--
04...	.81	.120	2.30	1.6	.210	.100	110	32	--
04...	--	--	--	--	--	--	--	--	--
04...	.71	.210	1.70	1.0	.200	.100	83	24	.7
04...	.65	.300	1.80	2.0	.170	.100	49	23	.5
04...	--	--	--	--	--	--	--	--	--
04...	1.1	.300	1.20	1.2	.170	.100	57	20	.3
04...	--	--	--	--	--	--	--	--	--

TABLE 19.--Continued

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)
JUL, 1980									
17...	0930	.03	290	7.0	15	--	--	--	--
AUG									
07...	0800	.01	303	6.8	9	--	--	--	--
17...	2120	.33	90	6.4	200	--	--	88	261
17...	2125	1.0	72	6.4	--	--	K4500	--	462
17...	2130	2.1	56	6.4	370	--	--	51	650
17...	2135	3.0	46	6.4	--	--	K2000	--	548
17...	2140	4.1	41	6.2	210	--	--	44	394
17...	2145	6.9	41	6.1	--	--	K8000	--	662
17...	2150	7.2	46	6.1	200	--	--	43	472
17...	2155	5.5	53	6.0	--	--	K17000	--	442
17...	2200	4.1	55	5.9	160	--	--	58	186
17...	2205	4.1	55	6.0	--	--	6000	--	186
17...	2215	3.2	49	6.0	68	--	--	51	52
17...	2220	3.3	48	5.9	--	--	3700	--	65
17...	2230	1.6	51	6.0	85	--	--	56	60
17...	2235	1.2	57	5.9	--	--	3700	--	54
17...	2250	.51	65	6.1	79	--	--	71	34
17...	2255	.37	68	6.0	--	--	K2000	--	39
OCT									
12...	1540	.33	57	6.7	98	--	--	--	64
12...	1545	.37	52	6.6	--	11	K1700	--	46
12...	1600	.37	52	6.7	66	--	--	--	31
12...	1605	.42	53	6.7	--	9.0	K1200	--	30
12...	1620	.19	51	6.6	73	--	--	--	27
12...	1625	.16	53	6.6	--	7.5	K1300	--	21
12...	1645	.29	46	6.6	64	--	--	--	42
12...	1650	.46	44	6.7	--	7.1	K1300	--	39
12...	1705	.25	43	6.6	44	--	--	--	30
12...	1710	.19	44	6.7	--	6.3	K1200	--	26
31...	1330	.87	41	6.6	96	--	--	--	93
31...	1335	1.3	34	6.6	--	10	K15000	--	51
31...	1345	.74	32	6.6	58	--	--	--	43
31...	1350	.68	33	6.6	--	9.4	K10000	--	33
NOV									
01...	0050	1.2	34	6.4	--	3.3	>20000	--	10
01...	0055	1.5	32	6.5	23	3.9	>20000	--	36
01...	0110	1.1	--	--	21	--	--	--	22
01...	0135	.74	37	6.5	16	--	--	--	18
01...	0210	.68	--	--	25	--	--	--	15

TABLE 19.--Continued

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
JUL 1980									
17...	4.2	.310	1.00	1.2	.040	.010	9	3.9	.1
AUG									
07...	4.2	.340	1.30	1.3	.060	.010	16	6.6	.1
17...	.89	.440	3.80	2.2	.650	.140	1000	33	9.5
17...	--	--	--	--	--	--	--	--	--
17...	.49	.360	5.00	1.3	1.00	.130	1800	22	17
17...	--	--	--	--	--	--	--	--	--
17...	.33	.200	3.90	1.1	.670	.130	1000	23	8.8
17...	--	--	--	--	--	--	--	--	--
17...	.41	.620	3.70	1.5	.730	.320	780	20	9.1
17...	--	--	--	--	--	--	--	--	--
17...	.61	.530	2.70	1.7	.620	.360	420	27	4.7
17...	--	--	--	--	--	--	--	--	--
17...	.54	.470	1.70	1.5	.380	.310	120	23	2.4
17...	--	--	--	--	--	--	--	--	--
17...	.60	.440	1.70	1.8	.340	.280	120	24	1.8
17...	--	--	--	--	--	--	--	--	--
17...	.80	.540	1.80	1.6	.340	.300	94	32	1.9
17...	--	--	--	--	--	--	--	--	--
OCT									
12...	.49	.150	2.00	1.1	.270	.280	190	17	2.6
12...	--	--	--	--	--	--	--	--	--
12...	.51	.290	1.60	1.1	.210	.220	100	14	2.7
12...	--	--	--	--	--	--	--	--	--
12...	.50	.130	1.40	1.4	.170	.170	85	14	2.8
12...	--	--	--	--	--	--	--	--	--
12...	.36	.060	1.60	.97	.200	.200	86	12	1.7
12...	--	--	--	--	--	--	--	--	--
12...	.36	.050	1.40	.92	.150	.140	59	11	2.2
12...	--	--	--	--	--	--	--	--	--
31...	.18	.080	2.50	1.0	.420	.200	230	13	4.8
31...	--	--	--	--	--	--	--	--	--
31...	.21	.150	1.10	.88	.310	.160	110	10	2.6
31...	--	--	--	--	--	--	--	--	--
NOV									
01...	--	--	--	--	--	--	--	--	--
01...	.19	.010	1.20	.53	.220	.110	5	4.9	1.3
01...	.15	.020	1.20	.64	.190	.130	59	4.5	1.4
01...	.21	.020	1.20	.49	.180	.120	34	4.8	.9
01...	.21	.110	1.20	.45	.180	.110	29	5.0	.8

TABLE 19.--Continued

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
NOV , 1980									
01...	0215	.80	36	6.1	--	3.3	>20000	17	--
01...	0225	1.1	35	6.2	21	--	--	14	.15
01...	0230	1.1	29	5.9	--	3.1	>20000	15	--
01...	0240	.68	33	6.0	23	--	--	12	.18
01...	0245	.46	30	6.2	--	3.2	>20000	14	--
01...	0300	.29	36	--	36	--	--	5	.25
01...	0305	.37	37	6.1	--	2.8	>20000	11	--
DEC									
14...	0655	.51	47	6.2	65	--	--	95	.14
14...	0705	.56	44	6.2	75	--	--	87	.13
14...	0720	.33	46	6.2	110	--	--	33	.15
14...	0730	.11	47	6.4	100	--	--	50	.17
JAN , 1981									
17...	1125	.62	85	7.5	140	--	--	516	.44
17...	1135	.87	72	7.6	140	--	--	248	.41
17...	1150	.56	58	7.1	120	--	--	141	.31
17...	1205	.56	50	7.2	89	--	--	80	.28
17...	1230	.16	54	7.0	67	--	--	43	.34
FEB									
11...	1200	.62	51	6.7	130	--	--	159	.50
11...	1205	.46	52	6.7	--	12	K200	150	--
11...	1415	.22	55	6.8	71	--	--	53	.40
11...	1445	.22	56	6.7	--	9.9	<100	47	--
11...	1640	.22	61	7.0	51	--	--	38	.46
11...	1645	.13	61	6.9	--	5.4	K100	34	--
11...	1700	.22	56	6.9	53	--	--	30	.36
11...	1705	.33	51	6.9	--	6.2	K100	58	--
11...	1710	.74	46	6.9	71	--	--	95	.28
11...	1715	.68	40	6.9	--	6.1	K100	118	--
11...	1725	.74	37	6.8	--	4.8	K200	124	--
11...	1730	.56	36	6.8	100	--	--	123	.25
11...	1735	.33	36	6.8	--	3.5	K360	126	--
11...	1745	.37	40	6.8	88	--	--	109	.30
11...	1750	.33	41	6.8	--	5.8	K500	96	--
11...	2155	.46	32	6.8	23	--	--	16	.23
11...	2200	.46	32	6.9	--	.0	K100	18	--
11...	2215	1.1	27	6.8	32	--	--	22	.17
11...	2220	1.4	24	6.9	--	2.3	K200	49	--
11...	2225	1.5	22	6.7	34	--	--	43	.13
11...	2235	1.8	19	6.6	42	--	--	57	.12

TABLE 19.--Continued

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
NOV , 1980								
01...	--	--	--	--	--	--	--	--
01...	.130	1.00	.72	.160	.100	35	4.1	.9
01...	--	--	--	--	--	--	--	--
01...	.130	1.00	.67	.200	.110	30	4.5	.8
01...	--	--	--	--	--	--	--	--
01...	.080	.90	.59	.220	.120	29	4.9	.6
01...	--	--	--	--	--	--	--	--
DEC								
14...	.000	1.90	.34	.140	.060	190	15	5.0
14...	.000	1.40	.50	.190	.070	180	15	3.3
14...	.000	.90	.42	.110	.060	76	9.7	2.3
14...	.000	.81	.51	.080	.060	120	14	3.6
JAN , 1981								
17...	.290	2.00	.93	.110	.060	330	13	>4.0
17...	.470	2.40	1.2	.390	.080	320	21	>4.0
17...	.380	2.50	1.1	.390	.070	270	14	>4.0
17...	.270	1.40	1.1	.160	.060	200	17	--
17...	.330	3.80	.86	.160	.060	150	30	2.2
FEB								
11...	.350	2.60	.95	.350	.090	240	12	3.0
11...	--	--	--	--	--	--	--	--
11...	.230	1.30	.82	.190	.110	99	14	1.4
11...	--	--	--	--	--	--	--	--
11...	.110	1.10	.77	.160	.090	65	12	.7
11...	--	--	--	--	--	--	--	--
11...	.090	1.10	.66	.160	.150	88	11	1.2
11...	--	--	--	--	--	--	--	--
11...	.130	1.60	.76	.260	.070	200	12	4.5
11...	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--
11...	.150	1.70	.49	.270	.060	290	7.9	6.4
11...	--	--	--	--	--	--	--	--
11...	.110	1.70	.61	.250	.060	210	11	5.0
11...	--	--	--	--	--	--	--	--
11...	.080	.83	.50	.100	.050	44	5.6	1.3
11...	--	--	--	--	--	--	--	--
11...	.070	.85	.26	.100	.050	53	5.8	1.4
11...	--	--	--	--	--	--	--	--
11...	.080	1.00	.55	.120	.040	81	4.4	3.1
11...	.100	--	.38	.130	.050	110	3.0	2.8

TABLE 19.--Continued

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
FEB , 1981									
11...	2250	1.4	20	6.7	--	1.6	--	--	--
11...	2300	1.4	21	6.7	34	--	--	43	.16
11...	2305	1.8	20	6.7	53	--	--	50	.14
11...	2310	2.2	19	6.7	--	2.1	K700	120	--
11...	2320	2.7	16	6.6	99	--	--	227	.11
11...	2325	2.7	16	6.5	--	3.8	K270	252	--
11...	2340	2.1	18	6.5	67	--	--	149	.13
11...	2345	1.7	18	6.6	--	--	K1500	76	--
11...	2355	1.5	20	6.7	33	--	--	55	.14
12...	0005	2.3	20	6.7	71	--	--	58	.12
12...	0010	2.2	20	6.7	--	--	K1600	50	--
12...	0015	1.6	20	6.6	38	--	--	54	.12
12...	0020	1.7	19	6.7	--	--	K1900	46	--
12...	0025	1.1	20	6.6	43	--	--	40	.14
12...	0410	.37	46	6.9	24	--	--	13	.29
12...	0420	.51	42	6.9	--	1.8	K550	--	--
13...	1250	.19	57	7.0	27	--	--	10	.36
13...	1305	.11	40	6.9	27	--	--	27	.22
13...	1335	.09	50	6.9	47	--	--	45	.30
18...	1920	.51	74	6.9	23	--	--	13	.49
18...	2020	1.1	46	6.9	29	--	--	34	.36
18...	2030	1.9	28	6.8	--	5.6	3100	100	--
18...	2040	2.7	22	6.8	61	--	--	143	.12
18...	2050	1.5	26	6.8	--	4.3	K6000	98	--
18...	2120	.80	46	6.9	32	--	--	30	.36
19...	0240	.37	101	7.1	16	--	--	10	1.1
19...	0300	3.3	22	7.0	54	--	--	212	.18
19...	0310	5.3	15	6.7	150	--	--	--	.16
19...	0320	5.9	17	6.6	140	--	--	490	.14
19...	0330	3.6	25	6.6	62	--	--	249	.23
19...	0400	1.4	52	6.5	24	--	--	41	.51
19...	0410	1.8	54	6.9	26	--	--	25	.57
19...	0550	.51	96	7.0	23	--	--	6	1.3
MAR									
24...	2125	.68	70	6.9	73	--	--	70	.44
24...	2135	.62	65	6.9	--	7.4	K230	53	--
24...	2245	1.0	31	6.9	70	--	--	33	.17
24...	2255	.80	29	7.0	--	5.5	K300	32	--
25...	0015	.80	30	6.9	34	--	--	20	.14
25...	0025	.51	30	7.0	--	2.2	<1	17	--

TABLE 19.--Continued

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
FEB , 1981								
11...	--	--	--	--	--	--	--	--
11...	.080	.69	.52	.110	.080	81	4.8	2.6
11...	.060	.86	.33	.120	.050	81	5.2	3.1
11...	--	--	--	--	--	--	--	--
11...	.060	2.00	.30	.280	.050	670	2.8	4.6
11...	--	--	--	--	--	--	--	--
11...	.070	1.50	.48	.220	.040	400	2.8	3.6
11...	--	--	--	--	--	--	--	--
11...	.070	1.00	.37	.130	.040	85	6.3	1.8
12...	.090	1.00	.20	.120	.040	76	2.3	3.1
12...	--	--	--	--	--	--	--	--
12...	.120	.72	.57	.120	.040	79	2.4	1.5
12...	--	--	--	--	--	--	--	--
12...	.090	.75	.46	.130	--	61	7.1	1.3
12...	.100	.66	.29	.090	.040	7	4.9	.4
12...	--	--	--	--	--	--	--	--
13...	.110	.83	.67	.120	.050	35	11	1.9
13...	.110	.77	.55	.150	.040	27	5.4	2.2
13...	.080	.95	.13	.220	.040	100	6.4	1.6
18...	.080	.62	.63	.080	.040	44	5.6	.6
18...	.030	.87	.57	.100	.040	81	4.1	1.6
18...	--	--	--	--	--	--	--	--
18...	.060	1.30	.32	.130	.040	200	6.0	3.2
18...	--	--	--	--	--	--	--	--
18...	.100	.81	.38	.110	.040	53	5.3	1.7
19...	.080	.84	.74	.030	.020	26	8.5	.3
19...	.020	1.50	1.5	.120	.010	210	4.6	3.5
19...	.050	3.60	.99	.230	.010	560	3.9	6.4
19...	.020	5.00	.64	.300	.010	730	2.7	9.5
19...	.060	1.70	.63	.190	.020	170	4.0	5.3
19...	.060	1.00	.33	.090	.040	45	7.7	--
19...	.070	1.00	.86	.070	.040	90	5.9	--
19...	.090	.81	.93	.060	.040	94	8.3	.4
MAR								
24...	.230	2.30	1.1	.210	.060	140	15	2.4
24...	--	--	--	--	--	--	--	--
24...	.140	1.20	.73	.060	.050	63	8.3	1.1
24...	--	--	--	--	--	--	--	--
25...	.120	1.10	.65	.090	.040	50	7.5	.8
25...	--	--	--	--	--	--	--	--

TABLE 19.--Continued

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
MAR , 1981									
25...	0105	.29	43	6.9	25	--	--	11	.27
JUN									
05...	1430	1.6	53	6.7	130	--	--	245	.38
05...	1435	2.1	46	6.7	120	--	--	214	.25
05...	1440	1.9	44	6.6	--	14	24000	184	--
05...	1450	1.5	40	6.7	110	--	--	174	.38
05...	1455	1.5	36	6.5	--	13	K12000	107	--
05...	1515	1.3	36	6.7	65	--	--	64	.24
05...	1520	1.4	35	6.5	--	13	K7000	58	--
05...	1620	1.4	--	--	52	--	--	56	.20
05...	1630	1.4	32	6.5	--	8.4	K10000	32	--
05...	1650	.68	37	6.6	--	--	K4000	--	--
05...	1700	.42	40	6.6	130	--	--	--	.23
05...	1755	.09	72	6.6	62	--	--	6	.56
05...	1815	.74	41	6.8	67	--	--	37	.18
05...	1825	1.5	34	6.9	45	--	--	47	.17
05...	1835	2.2	26	6.9	67	--	--	130	.09
05...	1845	1.5	25	6.8	59	--	--	155	.15
05...	1905	.56	32	6.7	53	--	--	56	.29
05...	2015	.11	64	6.6	35	--	--	8	.76
30...	1640	.51	162	5.9	240	--	--	141	1.4
30...	1700	1.4	84	5.9	170	--	--	174	.56
30...	1710	3.9	55	6.0	180	--	--	350	.29
30...	1720	2.5	61	6.0	160	--	--	184	.35
30...	1740	1.8	51	6.0	97	--	--	84	.35
30...	1810	.46	58	6.0	90	--	--	45	.46
JUL									
28...	0840	.01	280	6.8	24	--	--	10	4.5
AUG									
29...	2250	.42	217	6.3	410	--	--	441	2.9
29...	2300	.25	203	6.3	240	--	--	118	3.4
29...	2310	.13	188	6.3	240	--	--	119	2.9
29...	2320	.11	192	6.4	250	--	--	84	2.7
SEP									
20...	1905	1.9	34	6.3	140	8.8	K8200	390	.14
20...	1915	2.4	27	6.4	100	6.7	4800	137	.14
20...	1925	1.4	25	6.4	81	3.7	4500	80	.12
20...	1935	.68	30	6.0	73	--	--	51	.16
20...	1945	.37	35	6.5	--	4.0	K9400	36	--
20...	2005	.16	44	6.1	69	--	--	15	.33

TABLE 19.--Continued

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
MAR, 1981								
25...	.110	.63	.57	.080	.040	24	12	.5
JUN								
05...	.240	2.90	1.1	.480	.060	610	13	38
05...	.170	2.10	1.7	.810	.400	490	9.0	16
05...	--	--	--	--	--	--	--	--
05...	.210	1.90	1.3	.110	.080	340	14	17
05...	--	--	--	--	--	--	--	--
05...	.160	1.30	.76	.170	.070	180	12	4.4
05...	--	--	--	--	--	--	--	--
05...	.160	1.20	.76	.110	.070	180	9.7	4.1
05...	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--
05...	.250	1.00	.76	.080	.050	90	32	3.9
05...	.210	1.00	.71	.080	.050	41	20	1.1
05...	.140	.99	.69	.070	.040	87	17	--
05...	.210	1.30	.65	.090	.100	160	--	4.6
05...	.190	1.80	.90	.090	.040	280	13	5.7
05...	.170	1.50	.56	.090	.040	340	8.5	6.2
05...	.190	1.00	.53	.080	.050	180	19	3.2
05...	.140	.50	.53	.080	.040	38	17	1.1
30...	2.30	8.90	4.8	1.00	.620	450	54	7.1
30...	.620	3.00	2.1	.560	.300	450	34	4.4
30...	.500	6.10	2.4	.840	.420	730	24	1.5
30...	.680	4.10	2.6	.890	.600	330	22	5.6
30...	.400	2.50	1.8	.490	.710	150	29	3.1
30...	.330	2.00	1.4	.380	.270	130	39	--
JUL								
28...	.560	1.40	1.4	.110	.070	10	4.4	.1
AUG								
29...	1.60	12.0	6.6	5.60	3.50	660	70	7.0
29...	2.10	9.50	7.5	2.90	1.50	340	70	2.5
29...	1.80	8.10	6.7	2.70	1.40	330	74	1.7
29...	1.80	7.90	6.7	2.70	1.20	280	64	1.6
SEP								
20...	.220	3.40	1.0	.490	.050	450	9.6	23
20...	.230	2.70	.95	.220	.050	380	9.2	6.7
20...	.280	1.80	.83	.210	.060	160	8.9	2.9
20...	.220	1.20	1.0	.150	.060	130	9.1	2.4
20...	--	--	--	--	--	--	--	--
20...	.270	1.00	1.0	.110	.060	70	12	1.0

TABLE 19.--Continued

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
OCT , 1981									
27...	1320	.68	66	6.9	99	--	--	53	.21
27...	1335	1.2	30	6.9	72	--	--	62	.14
27...	1405	1.1	24	6.6	58	--	--	41	.13
27...	1425	.56	27	6.6	48	--	--	28	.19
27...	1455	.19	45	6.6	48	--	--	17	.36
NOV									
30...	1955	.51	52	6.7	120	--	--	152	.33
30...	2005	.68	43	6.8	97	--	--	103	.23
30...	2035	.33	46	6.6	71	--	--	50	.29
DEC									
01...	0220	1.4	41	7.0	140	--	--	166	.23
01...	0240	.80	35	6.9	77	--	--	60	.20
01...	1615	.03	212	7.0	47	--	--	2	2.0
01...	1645	.51	82	6.7	81	--	--	28	.23
01...	1725	1.1	40	6.7	68	--	--	48	.16
01...	1825	.80	34	6.8	61	--	--	17	.18
01...	1930	.37	41	6.7	51	--	--	13	.27
02...	0325	4.4	16	6.6	160	--	--	314	.13
02...	0335	3.2	15	6.5	110	--	--	179	.15
02...	0345	2.4	20	6.0	--	--	--	97	--
03...	0945	.33	74	6.9	66	--	--	28	.37
03...	1540	.56	136	--	58	--	--	37	.26
03...	1550	.74	129	--	63	--	--	43	.23
03...	1610	.42	120	--	98	--	--	45	.23
03...	1640	1.8	77	--	68	--	--	60	.14
03...	1700	1.0	68	--	63	--	--	51	.16
03...	1720	.51	75	--	51	--	--	27	.23
03...	2240	.62	83	6.7	38	--	--	11	.23
JAN , 1982									
15...	1255	1.3	30	6.7	68	--	--	100	<.09
15...	1305	1.4	29	6.7	--	4.6	K1700	84	--
15...	1415	1.1	30	6.7	56	--	--	47	.10
15...	1425	1.1	31	6.7	--	3.8	K1600	48	--
15...	1515	1.4	26	6.7	50	--	--	54	<.09
15...	1525	1.3	27	6.7	--	3.2	3400	72	--
15...	1635	1.3	27	6.7	38	--	--	59	<.09
15...	1655	.94	32	6.8	--	2.9	K1300	50	--
15...	2025	.46	46	6.8	21	--	--	13	.23
15...	2055	.46	48	6.9	--	3.3	K180	12	--
15...	2225	.80	36	6.9	22	--	--	18	.16

TABLE 19.--Continued

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
OCT . 1981								
27...	.150	2.40	1.1	--	--	170	22	4.5
27...	.120	1.60	.76	.170	.130	140	11	3.8
27...	.110	.97	.51	.150	.100	84	10	2.7
27...	.100	.94	.51	.170	.090	64	10	2.3
27...	.110	.87	.72	.150	.100	50	14	1.0
NOV								
30...	.240	.59	.50	.150	.100	270	9.0	--
30...	.290	1.10	.56	.290	.030	200	6.0	6.5
30...	.250	.76	.76	.140	.060	98	6.8	4.4
DEC								
01...	.240	.52	.42	.120	.030	350	4.3	>10
01...	.230	.75	.50	.130	.050	110	5.6	5.5
01...	.580	.99	1.0	.040	.020	12	5.3	.4
01...	.240	1.10	.63	.170	.070	78	8.3	2.9
01...	.200	.72	.44	.100	.040	92	5.2	3.5
01...	.200	.43	.38	.080	.040	48	4.6	1.0
01...	.200	.49	.49	.070	.040	34	5.9	.9
02...	.170	2.10	.34	.290	.040	400	3.2	9.2
02...	.220	1.20	.29	.200	.040	210	--	--
02...	--	.87	--	.180	--	100	--	--
03...	.120	.76	.60	.160	.170	82	6.8	2.0
03...	.130	.84	.42	.110	.050	98	6.7	2.6
03...	.140	1.10	.59	.100	.050	110	8.4	--
03...	.110	.92	.51	.090	.060	120	19	2.0
03...	.110	.66	.37	.020	.010	140	5.4	2.5
03...	.130	.50	.32	.020	.010	100	3.8	2.0
03...	.120	.59	.58	.050	.010	60	6.9	1.7
03...	<.070	.54	.40	.020	<.010	40	4.0	1.0
JAN . 1982								
15...	.130	.85	.76	.070	.010	200	6.2	4.4
15...	--	--	--	--	--	--	--	--
15...	.110	.85	.69	.020	.010	110	5.6	2.5
15...	--	--	--	--	--	--	--	--
15...	.080	.56	.47	--	.010	130	3.7	3.4
15...	--	--	--	--	--	--	--	--
15...	.110	.66	.51	--	.010	120	2.9	3.6
15...	--	--	--	--	--	--	--	--
15...	.130	.59	.50	--	.020	28	4.9	1.0
15...	--	--	--	--	--	--	--	--
15...	.110	.64	.39	--	.010	40	4.1	1.3

TABLE 19.--Continued

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JAN , 1982									
15...	2255	.62	33	6.8	--	3.2	300	23	--
15...	2345	.62	40	6.7	18	--	--	12	.22
15...	2400	.68	41	6.9	--	1.5	340	9	--
16...	0215	1.4	26	6.7	30	--	--	33	.13
16...	0245	1.9	22	6.8	--	2.2	470	67	--
16...	0530	.62	64	6.8	18	--	--	8	.49
16...	0600	.46	76	6.8	--	3.0	K1200	7	--
16...	1030	.33	98	6.8	18	--	--	6	.72
16...	1100	.25	107	6.8	--	1.8	550	5	--
16...	1250	.68	61	6.9	23	--	--	12	.41
16...	1255	.68	57	6.9	--	2.4	K1100	15	--
16...	1515	1.2	40	6.7	--	3.3	2300	31	--
16...	1530	1.4	37	6.6	33	--	--	38	.21
16...	1615	.46	68	6.7	19	--	--	15	.46
16...	1630	.37	78	6.8	--	2.4	3000	12	--
17...	1305	.74	54	6.7	27	--	--	31	.38

TABLE 19.--Continued

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
JAN, 1982								
15...	--	--	--	--	--	--	--	--
15...	.170	.46	.50	.020	.020	22	4.6	.7
15...	--	--	--	--	--	--	--	--
16...	.130	.47	.39	.140	.010	68	3.2	3.2
16...	--	--	--	--	--	--	--	--
16...	.170	.60	.66	.100	.050	19	5.9	.6
16...	--	--	--	--	--	--	--	--
16...	.110	.60	.62	--	.030	12	5.8	.6
16...	--	--	--	--	--	--	--	--
16...	.070	.57	.59	--	.020	34	4.4	1.3
16...	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--
16...	.090	.59	.43	--	.020	80	3.8	2.0
16...	.140	.68	.60	--	.020	26	4.7	.8
16...	--	--	--	--	--	--	--	--
17...	.210	.85	.53	.060	.020	70	4.1	1.4

TABLE 19.--Continued

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)
OCT , 1979									
24...	0755	.68	57	6.8	59	22	--	--	38
24...	0800	.73	46	6.8	--	--	--	40	39
24...	0825	1.2	22	6.6	44	16	--	--	56
24...	0830	1.4	20	6.5	--	--	--	12	58
24...	0854	1.3	17	6.0	33	--	--	--	--
24...	0855	1.3	17	6.5	32	5.7	--	--	45
24...	0900	1.3	17	6.5	--	--	--	10	46
24...	1010	.79	24	6.8	21	5.4	--	--	27
24...	1020	.91	23	6.7	--	--	--	18	30
24...	1050	1.2	22	6.6	24	7.1	--	--	26
24...	1100	1.3	22	6.6	--	--	--	17	32
24...	1120	.85	25	6.7	23	5.2	--	--	29
24...	1130	.68	28	6.7	--	--	--	23	24
24...	1200	.40	35	6.7	35	11	--	--	30
24...	1210	.44	33	6.7	--	--	--	25	28
24...	1325	.79	25	6.6	29	6.5	--	--	27
24...	1340	1.8	22	6.6	--	--	--	24	52
24...	1355	4.3	16	6.7	57	9.0	--	--	93
24...	1410	4.6	17	6.6	--	--	--	20	58
24...	1455	5.0	20	6.4	72	9.8	--	--	41
24...	1510	3.5	22	6.5	--	--	--	22	32
24...	1540	1.1	36	6.6	--	7.2	--	--	--
DEC									
01...	1235	--	23	7.1	47	--	K900	--	77
01...	1240	--	24	6.6	--	--	--	--	80
01...	1250	--	18	6.4	56	--	K300	--	140
01...	1255	--	17	6.4	--	--	--	16	128
01...	1320	--	16	6.4	37	--	K270	--	84
01...	1325	--	15	6.4	--	--	--	17	83
01...	1355	--	15	6.4	31	--	K200	--	59
01...	1400	--	14	6.4	--	--	--	27	60
01...	1420	--	13	6.4	39	--	K300	--	78
01...	1425	--	13	6.4	--	--	--	23	74
01...	1515	--	14	6.4	17	--	--	--	61
01...	1630	--	16	6.4	32	--	K600	12	67
01...	1650	--	--	--	--	--	--	--	--
01...	1705	--	--	--	26	--	--	--	--
01...	1740	--	24	6.3	45	--	K450	--	52
01...	1755	--	22	6.3	--	--	--	20	48
01...	1825	--	23	6.4	26	--	K450	--	39

TABLE 19.--Continued

DATE	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC, DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
OCT , 1979									
24...	--	--	--	--	--	--	180	13	3.3
24...	.29	.090	1.80	1.2	.130	.080	--	--	--
24...	--	--	--	--	--	--	150	7.3	2.4
24...	.12	.030	1.10	.84	.140	.060	--	--	--
24...	.09	.000	.92	.72	.120	.060	82	5.1	.6
24...	--	--	--	--	--	--	94	4.8	--
24...	.08	.000	.87	.69	.130	.050	--	--	--
24...	--	--	--	--	--	--	64	4.8	.7
24...	.08	.000	.88	.66	.130	.060	--	--	--
24...	--	--	--	--	--	--	71	--	--
24...	.06	.000	.72	.60	.120	.050	--	4.4	.9
24...	--	--	--	--	--	--	59	5.7	.6
24...	.12	.000	.53	.64	.120	.060	--	--	--
24...	--	--	--	--	--	--	110	6.7	1.2
24...	.12	.000	.73	.73	.190	.070	--	--	--
24...	--	--	--	--	--	--	92	5.6	1.0
24...	.09	.000	.52	.58	.170	.060	--	--	--
24...	--	--	--	--	--	--	220	5.0	5.1
24...	.07	.000	.55	.58	.150	.060	--	--	--
24...	--	--	--	--	--	--	69	4.9	.7
24...	.13	.000	.51	.50	.130	.110	--	--	--
24...	--	--	--	--	--	--	--	--	--
DEC									
01...	--	--	--	--	--	--	250	9.0	1.5
01...	.09	.040	1.50	2.0	.180	.030	--	--	--
01...	--	--	--	--	--	--	270	5.5	2.5
01...	.07	.060	1.30	.39	.230	.050	--	--	--
01...	--	--	--	--	--	--	150	4.9	1.8
01...	.10	.060	1.00	.50	.200	.050	--	--	--
01...	--	--	--	--	--	--	110	3.5	2.9
01...	.06	.030	1.10	.31	.160	.060	--	--	--
01...	--	--	--	--	--	--	150	3.8	3.9
01...	.06	.040	1.20	.43	.170	.050	--	--	--
01...	.07	.060	.90	.40	.150	.050	110	3.1	1.0
01...	.09	.070	1.10	.30	.140	.050	--	3.4	.7
01...	.11	.060	.92	.45	.160	.040	130	--	--
01...	--	--	--	--	--	--	--	4.7	2.5
01...	--	--	--	--	--	--	100	5.1	2.3
01...	.15	.070	.79	.43	.150	.040	--	--	--
01...	--	--	--	--	--	--	120	4.5	1.3

TABLE 19.--Continued

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
DEC , 1979									
01...	1940	--	26	6.3	--	--	29	38	.19
01...	1925	--	29	6.4	21	K600	--	29	--
01...	1940	--	27	6.4	--	--	22	33	.22
01...	2010	--	23	6.4	25	K300	--	34	--
01...	2025	--	26	6.4	--	--	33	43	.21
01...	2045	--	23	6.3	25	K640	8	58	.20
01...	2315	--	33	6.3	--	K500	--	--	--
02...	0145	--	79	6.5	21	--	58	13	.87
FEB , 1980									
25...	1445	.32	81	6.9	99	--	--	77	--
25...	1450	.45	65	6.9	--	--	53	92	.28
25...	1455	.45	60	6.9	--	K1100	--	99	--
25...	1520	.57	41	6.9	69	--	--	--	.11
25...	1525	.61	36	6.9	--	--	33	67	.12
25...	1530	.61	33	6.9	--	K1200	--	70	--
25...	1555	1.1	24	6.8	83	--	--	108	--
25...	1600	1.2	22	6.9	--	--	24	102	.08
25...	1605	1.1	22	6.8	--	K500	--	104	--
25...	1625	.38	24	6.7	39	--	--	51	--
25...	1630	.29	25	6.7	--	--	12	47	.09
25...	1635	.24	27	6.7	--	K1200	--	43	--
25...	1830	.14	42	6.9	29	--	--	26	--
25...	1840	.24	40	6.9	--	--	40	26	.12
25...	1850	.18	38	6.9	--	K800	--	28	--
25...	1920	.38	34	6.8	37	--	--	26	--
25...	1930	.75	26	6.8	--	--	19	51	.09
25...	2000	.41	26	6.8	--	K14000	--	--	--
25...	2130	1.0	27	6.8	--	--	16	44	.08
25...	2200	.57	24	6.8	--	K1800	--	25	--
25...	2230	.29	31	6.9	15	--	--	12	--
25...	2330	1.4	18	7.0	--	--	13	--	.06
25...	2400	1.1	20	6.7	--	K600	--	26	--
26...	0030	1.2	20	6.9	20	--	--	25	--
26...	0530	.22	55	6.9	24	--	--	7	--
26...	0600	.14	67	6.7	--	--	45	--	.30
26...	0630	.12	70	6.8	--	K1500	--	6	--
26...	0637	.11	--	--	32	--	--	--	.34
26...	0825	1.9	36	6.9	--	--	--	94	--
26...	0855	2.4	17	7.0	--	K900	--	--	--
26...	0925	.80	28	6.9	--	--	22	--	.12

TABLE 19.--Continued

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
DEC , 1979								
01...	.070	1.10	.50	.170	.070	--	--	--
01...	--	--	--	--	--	54	--	.8
01...	.070	.76	.47	.160	.090	--	--	--
01...	--	--	--	--	--	91	5.3	1.3
01...	.060	.73	.53	.140	.100	--	--	--
01...	.090	.85	.62	.150	.070	140	4.6	.6
01...	--	--	--	--	--	--	--	--
02...	.090	1.00	.85	.200	.150	26	10	.9
FEB , 1980								
25...	--	--	--	--	--	330	17	2.7
25...	.130	1.30	.41	.180	.050	--	--	--
25...	--	--	--	--	--	--	--	--
25...	.000	1.50	.27	.050	.030	250	10	4.7
25...	.020	.99	.89	.150	.030	--	9.4	4.3
25...	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	300	9.8	5.9
25...	.000	1.00	.01	.210	.030	--	--	--
25...	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	170	5.5	2.7
25...	.000	.38	.00	.110	.020	--	--	--
25...	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	92	6.7	1.5
25...	.000	.51	.43	.070	.020	--	--	--
25...	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	100	4.8	1.8
25...	.000	.45	.00	.110	.030	--	--	--
25...	--	--	--	--	--	--	--	--
25...	.000	.48	.00	.100	.020	170	--	--
25...	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	3.3	.5
25...	.000	.35	.25	.080	.060	150	--	--
25...	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	2.6	.8
26...	--	--	--	--	--	--	6.8	.5
26...	.020	.38	.28	.090	.060	26	--	--
26...	--	--	--	--	--	--	--	--
26...	.000	.39	.30	.100	.070	29	11	.0
26...	--	--	--	--	--	220	--	--
26...	--	--	--	--	--	--	--	--
26...	.000	.27	.04	.130	.030	--	4.3	2.0

TABLE 19.--Continued

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)
FEB , 1980									
26...	1025	1.8	21	7.0	--	--	--	--	38
26...	1125	.49	35	6.9	--	--	--	--	17
26...	1625	2.8	20	7.1	--	--	--	--	103
26...	2035	.26	68	7.0	--	--	--	--	9
28...	0955	.16	33	6.9	35	--	--	--	--
MAR									
12...	1500	.32	68	--	56	--	--	48	37
12...	1505	.41	57	6.7	--	8.3	K500	--	40
12...	1510	.49	46	--	--	--	--	--	--
12...	1515	.57	42	--	44	--	--	41	31
12...	1520	.70	38	6.7	--	--	K400	--	31
12...	1535	.70	29	--	37	--	--	22	37
12...	1540	.70	28	--	--	7.9	K100	--	36
12...	1600	.92	24	--	33	--	--	18	38
12...	1605	.92	23	6.4	--	7.2	K640	--	40
12...	1625	.70	23	--	25	--	--	20	29
12...	2000	1.3	34	6.9	85	--	--	24	98
12...	2005	3.1	22	6.9	--	8.3	K1000	--	176
12...	2010	2.9	18	6.9	75	--	--	17	128
12...	2015	1.9	18	6.9	--	4.2	K450	--	86
12...	2030	.65	23	6.9	30	--	--	15	43
12...	2035	.49	26	6.9	--	4.2	K300	--	27
12...	2050	.26	35	6.9	20	--	--	--	18
12...	2055	.26	39	6.8	--	3.5	K2000	--	14
12...	2115	.86	58	6.8	--	5.1	<1	--	18
12...	2120	.75	59	6.7	23	--	--	32	14
19...	2035	.18	119	6.7	60	--	--	73	29
19...	2040	.22	102	6.9	--	6.8	--	--	20
19...	2100	.26	78	6.9	45	--	--	52	16
19...	2105	.26	76	6.9	--	7.8	--	--	15
19...	2115	.20	72	6.9	46	--	--	46	10
19...	2120	.18	68	6.9	--	6.6	--	--	--
19...	2135	.11	70	6.9	37	--	--	38	9
19...	2140	.10	72	6.9	--	5.2	--	--	11
19...	2325	.20	76	6.9	41	--	--	51	24
19...	2345	1.1	40	6.8	31	--	--	26	32
19...	2355	1.3	29	6.8	--	2.9	--	--	33
20...	0015	1.7	23	6.9	30	--	--	11	34
20...	0025	1.6	22	6.9	--	3.1	--	--	29
20...	0055	1.7	22	6.8	29	--	--	16	28

TABLE 19.--Continued

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC, DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)
FEB , 1980									
26...	--	--	--	--	--	--	--	2.5	1.6
26...	.15	.000	.29	.22	.090	.040	--	--	--
26...	.08	.040	.34	.04	.150	.030	20	10	.4
26...	.34	.030	.67	.51	.100	.080	36	--	--
28...	--	--	--	--	--	--	74	--	--
MAR									
12...	.29	.000	.86	.46	.130	.040	180	8.4	2.5
12...	--	--	--	--	--	--	--	--	--
12...	.14	.100	--	1.1	--	.050	170	7.6	1.7
12...	.15	.000	.71	.39	.110	.030	170	7.1	1.3
12...	--	--	--	--	--	--	--	--	--
12...	.11	.000	1.20	.45	.100	.040	160	4.7	1.8
12...	--	--	--	--	--	--	--	--	--
12...	.08	.000	.69	.41	.110	.030	140	5.2	1.0
12...	--	--	--	--	--	--	--	--	--
12...	.08	.000	.59	.36	.100	.030	72	5.3	1.2
12...	.14	.080	1.30	.62	.200	.040	380	6.1	4.5
12...	--	--	--	--	--	--	--	--	--
12...	.09	.060	1.30	.27	.240	.030	380	4.4	4.4
12...	--	--	--	--	--	--	--	--	--
12...	.11	.040	.61	.34	.130	.030	73	2.5	--
12...	--	--	--	--	--	--	--	--	--
12...	.13	.080	.41	.36	.100	.040	42	3.3	.9
12...	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--
12...	.13	.100	.62	.59	.070	.030	68	3.2	1.0
19...	.63	.100	.93	.77	.090	.040	120	14	1.0
19...	--	--	--	--	--	--	--	--	--
19...	.41	.080	.66	.53	.060	.040	98	11	.8
19...	--	--	--	--	--	--	--	--	--
19...	.41	.080	.59	.64	.060	.030	80	10	.4
19...	--	--	--	--	--	--	--	--	--
19...	.34	.040	.58	.53	.060	.030	68	8.8	.4
19...	--	--	--	--	--	--	--	--	--
19...	.41	.000	.63	.50	.070	.020	86	9.3	1.1
19...	.27	.040	.59	.47	.080	.010	140	5.1	1.1
19...	--	--	--	--	--	--	--	--	--
20...	.13	.040	.82	.43	.070	.010	130	4.1	1.2
20...	--	--	--	--	--	--	--	--	--
20...	.15	.060	.71	.35	.070	.010	68	2.6	.7

TABLE 19.--Continued

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)
MAR , 1980									
20...	0105	1.9	20	6.8	--	2.8	--	--	30
20...	0125	1.7	22	6.9	13	--	--	12	--
20...	0235	1.2	28	6.8	8	--	--	20	8
20...	0245	1.1	29	6.8	--	2.5	--	--	8
20...	0335	.32	44	6.7	8	--	--	32	4
20...	0345	.26	49	6.7	--	3.1	--	--	5
APR									
05...	0110	.12	109	6.6	92	--	--	88	37
05...	0115	.20	100	6.6	--	28	K1500	--	--
05...	0125	.24	87	6.6	100	--	--	70	27
05...	0130	.26	79	6.6	--	16	5400	--	30
05...	0135	.38	66	6.6	93	--	--	53	44
05...	0140	.57	59	6.6	--	29	K1100	--	43
05...	0145	.61	50	6.6	100	--	--	39	40
05...	0150	.57	47	6.6	--	23	K1600	--	32
05...	0200	.38	44	6.6	65	--	--	42	20
05...	0205	.32	43	6.6	--	16	2200	--	14
05...	0215	.26	44	6.6	45	--	--	34	10
05...	0220	.29	43	6.6	--	10	3500	--	11
05...	0250	.22	41	6.6	31	--	--	--	8
05...	0305	.12	46	6.6	--	4.0	2000	--	5
18...	2150	.12	124	6.5	210	--	--	--	57
18...	2200	.22	107	6.6	100	--	--	90	34
18...	2210	.18	104	6.5	80	--	--	76	26
18...	2225	.10	108	6.5	68	--	--	82	19
19...	0235	.65	38	--	29	--	--	32	27
19...	0415	.70	30	6.8	27	--	--	24	18
19...	0555	.35	38	7.0	13	--	--	28	10
19...	0735	1.4	24	6.9	30	--	--	16	40
19...	0915	1.2	26	6.8	40	--	--	14	29
19...	1105	3.0	19	6.6	91	--	--	8	341
19...	1120	4.1	26	6.5	31	--	--	29	233
19...	1145	1.4	41	--	28	--	--	31	70
19...	1245	.26	93	6.9	33	--	--	60	18
MAY									
20...	1135	.12	107	6.9	140	--	--	81	148
20...	1140	.18	102	6.9	--	15	30000	--	166
20...	1155	.14	89	6.9	120	--	--	--	54
20...	1200	.11	90	6.9	--	18	K66000	--	38
20...	1230	.07	89	6.9	100	--	--	71	24

TABLE 19.--Continued

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)
MAR , 1980									
20...	--	--	--	--	--	--	--	--	--
20...	.13	.020	.46	.43	.060	.010	49	3.3	.4
20...	.19	.020	.46	.46	.040	.010	26	2.8	.2
20...	--	--	--	--	--	--	--	--	--
20...	.21	.020	.43	.47	.040	.020	22	3.2	.1
20...	--	--	--	--	--	--	--	--	--
APR									
05...	1.3	.500	1.80	1.7	.220	.160	200	20	1.7
05...	--	--	--	--	--	--	--	--	--
05...	1.2	.540	1.80	1.7	.180	.170	200	21	1.3
05...	--	--	--	--	--	--	--	--	--
05...	.90	.400	1.60	1.4	.250	.180	230	16	2.0
05...	--	--	--	--	--	--	--	--	--
05...	.69	.340	1.40	1.1	.140	.110	210	18	1.3
05...	--	--	--	--	--	--	--	--	--
05...	.58	.280	1.50	.94	.100	.100	90	16	1.0
05...	--	--	--	--	--	--	--	--	--
05...	.53	.260	.91	.86	.090	.090	57	12	.5
05...	--	--	--	--	--	--	--	--	--
05...	.44	.180	.87	.78	.080	.080	40	10	.9
05...	--	--	--	--	--	--	--	--	--
18...	.68	.010	2.30	.87	.280	.200	330	37	--
18...	.63	.000	1.30	.97	.180	.140	250	25	4.3
18...	.45	.000	1.20	1.0	.150	.100	170	24	3.3
18...	.49	.000	2.40	1.6	.120	.090	99	22	1.4
19...	.09	.000	1.00	.49	.080	.040	66	11	.5
19...	.07	.000	1.10	.66	.070	.030	51	--	3.0
19...	.13	.000	.50	.48	.050	.040	25	5.0	.8
19...	.06	.000	.76	.37	.090	.030	94	5.2	2.0
19...	.06	.000	.81	.43	.080	.030	79	5.6	3.8
19...	.05	.000	2.20	.54	.370	.020	400	4.3	20
19...	.09	.060	1.10	.64	.250	.040	110	4.3	5.4
19...	.16	.170	.98	1.1	.220	.090	61	4.7	1.8
19...	.38	.360	1.30	1.3	.310	.260	37	12	.5
MAY									
20...	1.3	.690	3.00	2.0	.410	.140	570	18	5.0
20...	--	--	--	--	--	--	--	--	--
20...	1.0	.670	3.30	1.7	.230	.120	300	17	1.8
20...	--	--	--	--	--	--	--	--	--
20...	.95	.790	3.00	1.9	.250	.180	200	16	1.3

TABLE 19.--Continued

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)
MAY , 1980									
20...	1235	.07	89	6.9	--	16	38000	--	30
20...	1250	.16	81	6.8	120	--	--	64	34
20...	1255	.16	79	6.8	--	22	K6000	--	33
20...	1325	.07	80	6.8	63	--	--	64	13
20...	1330	.06	81	6.8	--	16	K16000	--	16
20...	1930	.18	78	6.2	70	--	--	64	13
20...	1940	.18	72	6.7	--	17	3300	--	23
20...	2000	.12	68	6.7	56	--	--	--	12
20...	2010	.10	71	6.7	--	15	2000	--	13
20...	2040	.06	71	6.7	54	3.3	--	--	8
JUL									
04...	0210	.09	1480	6.5	140	--	--	788	83
04...	0220	.10	480	6.5	--	33	4300	--	83
04...	0255	.07	182	6.5	120	--	--	146	28
04...	0310	.05	165	6.5	--	19	K2700	--	18
04...	0340	.53	104	6.5	140	--	--	82	77
04...	0355	.49	75	6.5	--	12	3000	--	28
04...	0425	.18	44	6.5	--	9.0	3100	--	11
04...	0510	.09	54	6.5	56	--	--	52	8
04...	0525	.06	53	6.5	--	--	5600	--	6
17...	1030	.01	390	6.6	19	--	--	--	--
AUG									
07...	0825	.01	144	6.5	61	--	--	--	--
17...	2115	6.8	59	6.2	630	--	--	60	1410
17...	2120	9.4	49	6.1	--	--	K8000	--	664
17...	2125	5.0	50	6.1	200	--	--	--	432
17...	2150	20	49	6.0	180	--	--	44	389
17...	2155	21	38	6.1	--	--	K15000	--	398
17...	2200	17	39	6.0	85	--	--	40	180
17...	2205	11	43	6.0	--	--	K11000	--	191
17...	2210	7.0	45	6.1	69	--	--	39	105
17...	2215	5.0	46	6.1	--	--	K5000	--	102
17...	2225	4.4	41	6.1	50	--	--	33	59
17...	2230	4.2	39	6.0	--	--	K11000	--	46
17...	2240	1.9	43	6.1	50	--	--	42	47
17...	2245	1.3	47	6.0	--	--	560	--	43
17...	2300	.57	53	6.2	48	--	--	50	41
OCT									
12...	0725	.10	100	6.4	400	--	--	80	58
12...	0730	.12	96	6.3	--	--	K160	--	27

TABLE 19.--Continued

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)
MAY , 1980									
20...	--	--	--	--	--	--	--	--	--
20...	.84	.490	1.70	1.9	.210	.130	320	18	1.5
20...	--	--	--	--	--	--	--	--	--
20...	.79	.390	1.30	1.3	.160	.100	160	15	1.0
20...	--	--	--	--	--	--	--	--	--
20...	.68	.070	1.10	.87	.100	.060	130	18	1.2
20...	--	--	--	--	--	--	--	--	--
20...	.48	.210	.96	.97	.120	.080	200	14	1.2
20...	--	--	--	--	--	--	--	--	--
20...	.00	.000	.93	--	.100	--	130	12	.9
JUL									
04...	1.2	1.70	4.40	2.9	.410	.200	490	31	2.0
04...	--	--	--	--	--	--	--	--	--
04...	1.1	.600	2.50	1.8	.200	.180	290	31	12
04...	--	--	--	--	--	--	--	--	--
04...	.45	.310	2.60	1.4	.270	.130	490	19	3.8
04...	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--
04...	.32	.090	3.00	2.9	.130	.130	84	18	.5
04...	--	--	--	--	--	--	--	--	--
17...	.95	.030	.85	.84	.030	.030	8	6.1	.2
AUG									
07...	.23	.150	1.10	.91	.520	.100	260	25	.4
17...	.76	.570	9.70	1.5	1.90	.150	4800	10	29
17...	--	--	--	--	--	--	--	--	--
17...	.45	.350	2.50	1.8	.700	.260	1300	11	10
17...	.44	.320	2.60	1.1	.810	.300	890	11	7.9
17...	--	--	--	--	--	--	--	--	--
17...	.48	.350	1.70	1.2	.730	.380	240	5.6	4.2
17...	--	--	--	--	--	--	--	--	--
17...	.59	.350	1.40	1.3	.680	.480	240	19	2.6
17...	--	--	--	--	--	--	--	--	--
17...	.52	.300	1.30	1.1	.510	.400	100	17	1.9
17...	--	--	--	--	--	--	--	--	--
17...	.52	.250	2.70	1.3	.440	.370	100	14	1.5
17...	--	--	--	--	--	--	--	--	--
17...	.68	.230	2.40	1.4	.540	.390	95	16	--
OCT									
12...	1.2	.540	2.00	2.1	.510	.490	560	120	3.2
12...	--	--	--	--	--	--	--	--	--

TABLE 19.--Continued

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)
OCT, 1980									
12...	1540	.29	80	6.1	130	--	--	--	34
12...	1545	.86	--	--	--	--	2300	--	151
12...	1550	1.0	--	--	100	--	--	--	93
12...	1555	1.1	33	5.8	--	14	2800	--	--
12...	1600	1.0	32	6.3	69	--	--	26	52
12...	1605	.80	30	6.6	--	11	K1600	--	40
12...	1615	.45	30	6.5	46	--	--	--	25
12...	1620	.35	30	6.5	--	7.8	K150	--	23
12...	1630	.24	30	6.5	45	--	--	38	16
12...	1635	.24	30	6.4	--	6.7	K160	--	16
12...	1650	.45	31	6.4	44	--	--	--	22
12...	1655	.61	31	6.4	--	6.5	K180	--	28
12...	1700	.61	30	6.4	44	--	--	35	29
12...	1705	.53	30	6.5	--	5.9	2100	--	24
12...	1715	.41	30	6.5	43	--	--	33	18
31...	1325	.10	45	6.8	54	--	--	--	22
31...	1330	.41	35	6.7	--	12	K1200	--	27
31...	1335	2.0	28	6.6	130	--	--	--	200
31...	1340	2.1	31	6.7	--	15	K1500	--	72
31...	1410	.80	25	6.7	42	--	--	--	50
31...	1415	.61	27	6.7	--	5.9	K700	--	38
NOV									
01...	0055	1.9	25	6.2	50	--	--	--	--
01...	0100	2.6	24	6.3	--	--	K1300	--	114
01...	0105	2.7	20	6.6	49	--	--	--	81
01...	0110	2.6	27	6.3	--	--	K1700	--	87
01...	0125	1.2	23	6.2	30	--	--	--	47
01...	0135	.70	27	6.3	--	1.7	K1500	--	39
01...	0155	.32	33	5.9	24	--	--	--	24
01...	0205	.32	35	6.3	--	1.8	K2000	--	28
01...	0215	.75	32	6.2	24	--	--	--	19
01...	0220	1.2	28	6.4	--	2.1	K1500	--	23
01...	0225	1.5	25	5.8	23	--	--	--	23
01...	0230	1.3	23	6.3	--	2.4	2000	--	16
01...	0240	.98	24	5.9	22	--	--	--	15
01...	0250	.57	26	6.5	--	2.2	K820	--	10
01...	0300	.35	30	6.0	20	--	--	--	13
01...	0310	.26	31	6.4	--	1.9	K1800	--	11
DEC									
14...	0545	.65	57	6.2	130	--	--	--	137

TABLE 19.--Continued

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
OCT , 1980									
12...	1.4	.280	1.90	1.3	.220	.220	--	27	2.4
12...	--	--	--	--	--	--	--	--	--
12...	.32	.100	2.10	1.1	.310	.290	460	13	6.7
12...	--	--	--	--	--	--	--	--	--
12...	.56	.110	1.50	1.1	.230	.220	250	13	3.5
12...	--	--	--	--	--	--	--	--	--
12...	.22	.070	1.10	1.0	.170	.160	120	13	2.2
12...	--	--	--	--	--	--	--	--	--
12...	.21	.040	1.50	.74	.140	.130	82	11	1.7
12...	--	--	--	--	--	--	--	--	--
12...	.21	.050	1.00	.63	.160	.160	130	11	2.1
12...	--	--	--	--	--	--	--	--	--
12...	.19	.060	1.10	.81	.160	.140	140	11	--
12...	--	--	--	--	--	--	--	--	--
12...	.18	.050	.96	1.0	.140	.140	95	9.8	2.0
31...	.29	.150	1.30	.85	.310	.220	5	13	1.3
31...	--	--	--	--	--	--	--	--	--
31...	.22	.140	2.00	.85	.560	.150	910	6.3	3.5
31...	--	--	--	--	--	--	--	--	--
31...	.20	.110	.88	.62	.310	.150	100	6.1	2.8
31...	--	--	--	--	--	--	--	--	--
NOV									
01...	.14	.160	1.10	.55	.310	.090	170	4.2	4.3
01...	--	--	--	--	--	--	--	--	--
01...	.10	.100	1.10	.54	.290	.080	170	3.9	2.3
01...	--	--	--	--	--	--	--	--	--
01...	.12	.110	.97	.46	.270	.120	63	4.5	2.0
01...	--	--	--	--	--	--	--	--	--
01...	.21	.000	1.30	.69	.290	.130	38	5.8	1.7
01...	--	--	--	--	--	--	--	--	--
01...	.22	.030	1.40	.51	.260	.130	83	7.5	--
01...	--	--	--	--	--	--	--	--	--
01...	.15	.010	.83	.58	.220	.100	120	4.8	1.0
01...	--	--	--	--	--	--	--	--	--
01...	.15	.000	.90	.38	.200	.120	42	7.7	1.2
01...	--	--	--	--	--	--	--	--	--
01...	.17	.100	1.20	.43	.220	.110	34	4.8	.9
01...	--	--	--	--	--	--	--	--	--
DEC									
14...	.29	.030	--	.50	.330	--	540	13	--

TABLE 19.--Continued

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
DEC , 1980									
14...	0550	1.1	47	6.2	130	--	--	119	.26
14...	0555	1.3	40	6.2	63	--	--	109	.12
14...	0605	.98	30	6.2	63	--	--	77	.07
14...	0610	.70	30	6.2	59	--	--	57	.03
14...	0625	.49	29	6.1	37	--	--	52	.03
14...	0635	1.0	26	6.1	92	--	--	121	.00
14...	0640	2.4	22	6.3	150	--	--	266	.01
14...	0645	3.1	19	6.4	140	--	--	254	.00
14...	0700	2.7	17	6.4	58	--	--	165	.00
14...	0710	2.0	17	6.4	42	--	--	124	.01
14...	0720	1.2	19	6.4	31	--	--	100	.00
14...	0740	.41	24	6.4	20	--	--	71	.00
JAN , 1981									
17...	1145	.38	112	6.8	180	--	--	120	.78
17...	1205	.45	63	7.0	100	--	--	69	.34
17...	1225	.24	53	7.0	73	--	--	71	.28
17...	1250	.11	56	7.0	57	--	--	29	.28
FEB									
11...	1140	.18	71	6.7	43	--	--	60	.26
11...	1145	.24	67	6.6	--	26	K900	143	--
11...	1400	.45	41	6.6	66	--	--	66	.26
11...	1430	.35	35	6.7	--	8.5	K100	62	--
11...	1650	.32	37	6.9	--	8.5	K200	31	--
11...	1700	.35	35	6.8	74	--	--	59	.24
11...	1705	.49	32	6.8	--	8.5	K100	81	--
11...	1715	1.1	26	6.7	--	11	K100	200	--
11...	1720	1.2	24	6.7	90	--	--	171	.15
11...	1725	1.1	23	6.7	--	6.8	K550	147	--
11...	1735	.65	24	6.7	--	5.8	K100	89	--
11...	1740	.49	25	6.7	83	--	--	69	.14
11...	1745	.38	26	7.1	--	5.7	K600	62	--
11...	1805	.22	30	6.8	--	7.4	K300	42	--
11...	2150	.41	28	6.6	28	--	--	25	.16
11...	2155	.53	27	6.8	--	2.3	K100	29	--
11...	2215	1.2	24	6.7	35	--	--	39	.11
11...	2220	2.0	20	7.3	40	--	--	80	.10
11...	2225	2.8	18	6.7	--	4.4	K100	115	--
11...	2230	3.2	15	6.6	40	--	--	104	.05
11...	2245	2.7	17	6.8	25	--	--	59	.07
11...	2250	2.4	18	6.4	--	2.1	--	--	--

TABLE 19.--Continued

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
DEC, 1980								
14...	.030	--	.65	.330	--	410	23	8.3
14...	.000	1.60	.51	.240	.160	380	14	7.3
14...	.010	1.30	.41	.110	.080	260	7.0	5.1
14...	.000	1.20	.43	.130	.070	200	6.7	3.8
14...	.000	.92	.39	.090	.060	140	4.4	3.5
14...	.000	1.90	.50	.160	.050	290	3.7	7.9
14...	.000	2.90	.39	.150	.050	710	4.9	--
14...	.000	2.30	.29	.100	.050	490	5.2	3.6
14...	.000	1.20	.39	.240	.050	170	4.3	--
14...	.000	.95	.54	.100	.050	120	7.1	--
14...	.000	.62	.26	.120	.050	160	2.9	4.0
14...	.000	.55	.40	.100	.050	52	4.2	2.4
JAN, 1981								
17...	.520	1.50	1.3	.290	.060	440	31	3.9
17...	.300	1.60	.89	.260	.070	210	23	2.6
17...	.210	1.50	.77	.180	.070	220	13	--
17...	.240	1.10	.78	.170	.060	160	11	2.3
FEB								
11...	.090	.97	.46	.150	.040	99	13	1.4
11...	--	--	--	--	--	--	--	--
11...	.120	1.10	.54	.200	.050	220	7.8	2.0
11...	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--
11...	.060	1.30	.83	.190	.050	150	9.2	--
11...	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--
11...	.110	2.70	.41	.320	.040	430	4.3	4.1
11...	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--
11...	.100	1.30	.36	.200	.040	140	3.5	2.2
11...	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--
11...	.050	.65	.55	.120	.070	39	3.2	1.0
11...	--	--	--	--	--	--	--	--
11...	.040	.86	.37	.130	.060	72	3.5	1.0
11...	.110	.92	.43	.210	.130	120	3.4	1.5
11...	--	--	--	--	--	--	--	--
11...	.060	1.10	.54	.160	.040	130	3.1	--
11...	.060	.73	.42	.140	.050	76	5.9	.8
11...	--	--	--	--	--	--	--	--

TABLE 19.--Continued

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
FEB , 1981									
11...	2255	2.1	20	6.3	21	--	--	36	.09
11...	2305	3.2	18	6.3	30	--	--	59	.21
11...	2310	3.6	15	6.6	--	2.9	K300	101	--
11...	2320	5.3	13	6.5	100	--	--	310	.08
11...	2325	5.2	13	6.5	--	4.5	<100	269	--
11...	2335	4.6	13	6.6	--	.5	--	--	--
11...	2340	3.8	14	6.5	48	--	--	109	.07
11...	2350	2.7	18	6.6	--	.0	K400	68	--
11...	2355	2.5	19	6.5	27	--	--	59	.11
12...	0005	3.3	17	6.7	--	1.6	K400	80	--
12...	0010	3.6	17	6.7	30	--	--	77	.10
12...	0020	2.7	17	6.7	--	.0	K300	54	--
12...	0025	2.2	20	6.7	23	--	--	47	.11
12...	0040	1.2	25	6.8	--	.0	K270	28	--
12...	0045	.98	30	6.9	27	--	--	28	.17
12...	0335	.16	61	7.1	33	--	--	12	.39
12...	0345	.32	55	7.1	--	1.6	K1300	15	--
13...	1245	.57	30	6.9	27	--	--	18	.12
13...	1300	1.1	28	6.9	32	--	--	30	.10
13...	1315	1.3	22	6.9	31	--	--	33	.07
13...	1345	.29	35	6.9	23	--	--	17	.14
18...	1915	.26	40	7.0	22	--	--	15	.14
18...	2025	1.3	30	6.9	63	--	--	96	.06
18...	2035	3.4	18	6.9	92	--	--	233	.05
18...	2045	2.7	17	6.8	--	3.4	K200	105	--
18...	2055	1.5	22	6.9	29	--	--	59	.05
18...	2105	.80	26	6.9	--	3.2	--	38	--
18...	2125	.41	36	6.9	16	--	--	20	.13
19...	0240	.10	79	7.1	10	--	--	6	.48
19...	0300	4.4	17	6.9	170	--	--	413	.11
19...	0310	11	17	6.9	140	--	--	1080	.10
19...	0320	8.2	19	6.7	49	--	--	255	.10
19...	0330	3.2	26	6.8	31	--	--	138	.13
19...	0400	.80	47	7.0	23	--	--	33	.26
19...	0420	1.1	43	6.9	21	--	--	31	.23
19...	0450	.57	49	7.0	21	--	--	17	.27
MAR									
24...	2150	.20	66	6.8	81	--	--	52	.42
24...	2200	.49	53	6.9	--	16	K1800	48	--
24...	2250	.98	30	6.8	37	--	--	39	.13

TABLE 19.--Continued

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
FEB , 1981								
11...	.070	.72	.53	.140	.050	47	3.3	.9
11...	.070	1.10	.57	.150	.050	100	2.0	2.1
11...	--	--	--	--	--	--	--	--
11...	.100	2.00	.47	.360	.040	910	2.1	--
11...	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--
11...	.060	1.30	.26	.230	.040	120	--	--
11...	--	--	--	--	--	--	--	--
11...	.120	.83	.57	.240	.050	64	3.1	2.2
12...	--	--	--	--	--	--	--	--
12...	.140	.97	.34	.190	.050	120	4.1	3.1
12...	--	--	--	--	--	--	--	--
12...	.120	.68	.25	.160	.050	53	2.3	2.0
12...	--	--	--	--	--	--	--	--
12...	.060	1.20	.45	.160	.070	30	4.7	1.4
12...	.060	.95	.76	.150	.140	9	8.9	.6
12...	--	--	--	--	--	--	--	--
13...	.050	.69	.42	.100	.070	45	7.6	.6
13...	.070	.72	.30	.110	.060	61	4.1	.9
13...	.030	.62	.21	.110	.060	70	5.3	.9
13...	.010	.67	.48	.110	.070	30	5.9	.4
18...	.060	.98	.30	.090	.050	26	6.5	.7
18...	.040	1.20	--	.200	.020	220	3.5	3.2
18...	.060	2.10	.14	.300	.040	460	4.9	--
18...	--	--	--	--	--	--	--	--
18...	.020	.63	.36	.140	.040	72	4.2	--
18...	--	--	--	--	--	--	--	--
18...	.050	.67	.36	.100	.060	26	4.1	.8
19...	.060	.67	.66	.040	.030	18	7.3	.7
19...	.070	.59	.37	.280	.010	780	2.3	3.6
19...	.030	1.40	.28	.240	.010	1000	2.5	9.1
19...	.060	.83	.48	.110	.010	190	2.0	4.4
19...	.040	1.00	.63	.150	.020	94	3.2	6.3
19...	.070	1.20	.35	.110	.040	35	6.0	1.6
19...	.030	.67	.82	.090	.040	45	5.3	--
19...	.060	.88	.24	.070	.030	18	5.5	1.0
MAR								
24...	.100	1.60	1.3	.180	.090	200	16	1.3
24...	--	--	--	--	--	--	--	--
24...	.100	.77	.43	.120	.050	100	9.9	1.4

TABLE 19.--Continued

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
MAR , 1981									
24...	2300	.92	28	6.7	--	4.4	--	32	--
25...	0010	.92	26	6.9	36	--	--	30	.09
25...	0020	1.0	25	6.9	--	3.6	K50	47	--
25...	0050	.26	32	6.9	32	--	--	29	.09
25...	0100	.20	35	6.9	--	2.7	K270	23	--
JUN									
05...	1435	2.1	55	6.0	180	--	--	328	.47
05...	1440	3.6	37	6.2	160	--	--	274	.28
05...	1445	3.6	32	6.8	--	12	23000	--	--
05...	1450	2.9	30	6.4	63	--	--	125	.14
05...	1455	2.3	28	6.7	--	9.2	K13000	81	--
05...	1505	2.0	29	6.4	42	--	--	62	.10
05...	1510	2.0	29	6.6	--	7.6	--	60	--
05...	1520	1.7	32	6.4	55	--	--	52	.14
05...	1525	1.5	34	6.6	--	7.5	K8000	--	--
05...	1545	1.2	38	6.4	34	--	--	35	.19
05...	1555	1.2	38	6.6	--	6.2	K11000	44	--
05...	1605	1.6	35	6.4	43	--	--	45	.14
05...	1615	2.2	33	6.4	39	--	--	55	.09
05...	1625	1.9	33	6.7	--	5.1	K8000	41	--
05...	1635	1.9	33	6.4	31	--	--	36	.15
05...	1655	.70	40	6.4	25	--	--	26	.16
05...	1705	.35	45	6.7	--	4.2	K9000	22	--
05...	1815	.20	47	7.1	32	--	--	10	.25
05...	1835	2.3	29	7.1	81	--	--	115	.07
05...	1845	3.2	27	7.0	62	--	--	121	.10
05...	1905	1.7	30	7.0	78	--	--	99	.09
05...	1915	3.4	25	6.9	45	--	--	106	.03
05...	1925	1.8	28	7.0	30	--	--	46	.07
05...	2035	.10	46	6.8	22	--	--	3	.18
30...	1625	.32	149	5.6	420	--	--	556	1.2
30...	1635	2.1	82	6.0	270	--	--	267	.73
30...	1645	1.4	69	6.1	190	--	--	113	.64
30...	1655	1.5	62	6.1	130	--	--	94	.40
30...	1705	1.5	63	6.1	130	--	--	57	.32
30...	1715	6.2	51	6.1	250	--	--	574	.23
30...	1725	9.9	55	6.2	130	--	--	295	.21
30...	1735	4.0	63	6.1	100	--	--	115	.26
30...	1755	1.2	62	6.2	77	--	--	46	.36
30...	1825	.22	62	6.2	76	--	--	18	.50

TABLE 19.--Continued

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
MAR, 1981								
24...	--	--	--	--	--	--	--	--
25...	.120	.78	.58	.130	.060	75	5.6	.7
25...	--	--	--	--	--	--	--	--
25...	.060	.35	.36	.120	.050	34	7.0	--
25...	--	--	--	--	--	--	--	--
JUN								
05...	.440	4.10	.92	.640	.050	1200	13	--
05...	.360	2.90	.72	.510	.040	1000	8.7	--
05...	--	--	--	--	--	--	--	--
05...	.360	1.60	1.1	.350	.100	430	4.2	6.6
05...	--	--	--	--	--	--	--	--
05...	.550	1.40	1.1	.450	.250	140	7.5	--
05...	--	--	--	--	--	--	--	--
05...	.720	1.60	1.5	.580	.420	150	6.7	--
05...	--	--	--	--	--	--	--	--
05...	.800	1.80	1.7	.810	.690	100	6.6	2.6
05...	--	--	--	--	--	--	--	--
05...	.880	2.20	2.1	.740	.590	170	--	--
05...	.710	1.80	1.4	.580	.540	180	6.4	2.7
05...	--	--	--	--	--	--	--	--
05...	.780	1.80	1.8	.670	.530	100	5.9	--
05...	.940	1.80	1.7	.790	.660	95	2.9	--
05...	--	--	--	--	--	--	--	--
05...	.550	1.10	.91	.240	.180	67	7.5	4.8
05...	.600	1.00	.90	.420	.170	320	4.1	5.0
05...	.640	1.90	.85	.490	.190	250	4.1	4.2
05...	.430	2.10	.87	.470	.250	320	4.1	--
05...	.400	1.60	.77	.400	.190	290	6.5	2.5
05...	.470	1.40	.84	.390	.240	160	5.1	1.6
05...	.340	1.30	.81	.240	.190	100	6.0	--
30...	1.30	13.0	3.1	1.80	.320	1500	41	>40
30...	.740	11.0	2.2	.710	.290	880	37	6.8
30...	.770	4.40	2.9	.550	.280	400	34	7.2
30...	.600	2.70	1.4	.520	.310	330	25	4.7
30...	.940	3.00	1.8	.520	.380	260	27	3.9
30...	.620	6.20	1.7	.920	.370	1100	20	7.3
30...	.940	4.90	2.1	.970	.560	540	19	7.3
30...	1.10	4.10	2.5	.960	.730	220	21	4.8
30...	.840	2.70	2.0	.740	.580	130	20	2.1
30...	.630	2.10	1.7	.570	.470	71	17	1.1

TABLE 19.--Continued

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL • 1981									
28...	1010	.01	258	6.6	38	--	--	5	..42
AUG									
29...	2305	.32	240	6.3	780	--	--	409	2.9
29...	2315	.29	190	6.3	350	--	--	153	2.9
29...	2325	.18	175	6.3	280	--	--	81	2.6
29...	2335	.11	172	6.3	--	--	--	44	2.2
29...	2345	.08	172	6.3	240	--	--	27	2.5
SEP									
20...	1905	.26	81	6.4	85	--	--	86	<.10
20...	1915	5.0	21	6.6	87	5.2	20000	97	.08
20...	1925	2.3	25	6.6	66	4.5	23000	41	.11
20...	1935	1.0	30	6.6	61	3.0	K12000	34	.15
20...	1955	.26	38	6.6	--	2.8	3900	24	--
20...	2005	.18	40	6.6	59	--	--	20	.23
OCT									
27...	1320	.29	44	6.6	49	--	--	24	.37
27...	1335	.92	29	6.6	54	--	--	18	.15
27...	1355	1.5	23	6.5	46	--	--	20	.12
27...	1415	.98	28	6.5	36	--	--	15	.14
27...	1445	.24	39	6.5	31	--	--	14	.22
NOV									
30...	2005	.38	49	6.8	92	--	--	61	.28
30...	2015	.65	36	6.8	88	--	--	47	.23
30...	2035	.35	34	6.8	63	--	--	19	.20
DEC									
01...	0235	.80	45	7.0	66	--	--	20	.14
01...	0255	.32	--	--	56	--	--	8	.13
01...	1645	.38	90	6.7	79	--	--	32	.27
01...	1715	1.0	42	6.6	63	--	--	22	.15
01...	1735	1.5	33	6.7	58	--	--	24	.13
01...	1845	1.0	29	6.7	49	--	--	13	.14
01...	2000	.26	40	6.7	48	--	--	8	.17
02...	0150	.35	51	6.7	55	--	--	9	.20
02...	0250	2.7	21	6.6	63	--	--	36	.11
02...	0330	12	12	6.5	120	--	--	228	.12
02...	0410	3.0	19	6.5	41	--	--	17	.16
02...	0430	4.0	18	6.6	43	--	--	17	.14
02...	0540	.92	38	6.7	43	--	--	5	.24
03...	0950	.41	61	6.8	58	--	--	27	.24
03...	1545	.29	106	--	44	--	--	12	.17

TABLE 19.--Continued

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)
JUL, 1981								
28...	.260	1.50	1.2	.160	.080	35	12	.1
AUG								
29...	7.20	15.0	9.8	2.90	.410	1300	95	3.9
29...	2.90	10.0	8.1	.830	.370	650	33	3.4
29...	2.50	8.30	7.6	.600	.350	500	66	.6
29...	--	--	--	--	--	--	--	--
29...	2.30	7.60	7.1	.460	.310	250	67	.6
SEP								
20...	.140	2.00	1.0	.250	.070	92	15	3.5
20...	.200	1.80	1.2	.260	.050	220	6.8	5.3
20...	.280	1.50	1.0	.190	.070	100	7.6	2.4
20...	.300	1.20	1.0	.170	.070	74	11	2.0
20...	--	--	--	--	--	--	--	--
20...	.310	1.40	1.1	.160	.080	100	10	1.1
OCT								
27...	.140	1.40	.85	.190	.080	89	12	2.1
27...	.170	1.20	.65	.110	.080	89	16	2.1
27...	.190	.91	.67	.200	.110	--	8.7	2.1
27...	.250	.91	.64	.230	.130	81	9.5	1.4
27...	.270	.86	.89	.170	.160	43	10	1.3
NOV								
30...	.140	.48	.48	.130	.050	200	18	5.3
30...	.170	.57	.55	.120	.090	160	14	4.3
30...	.200	.63	.56	.100	.060	68	6.7	2.1
DEC								
01...	.110	.40	.38	.110	.070	80	8.7	1.6
01...	.240	.52	.47	.080	.070	40	5.7	1.0
01...	.220	.71	.57	.120	.070	100	12	2.6
01...	.250	.51	.47	.100	.060	80	5.5	2.1
01...	.190	.59	.40	.090	.060	76	5.8	1.9
01...	.230	.40	.45	.080	.060	34	4.2	.7
01...	.210	.43	.39	.080	.070	26	4.5	.5
02...	.180	.49	.58	.080	.050	48	6.0	1.0
02...	.220	.63	.26	.090	.040	110	2.8	2.9
02...	.150	1.70	.43	.220	.040	360	1.9	6.6
02...	.200	.44	.54	.080	.060	32	3.8	1.0
02...	.170	.62	.38	.080	.050	26	3.1	.6
02...	.220	.57	.46	.090	.080	44	5.9	.6
03...	.080	.68	.68	.110	.080	120	21	1.8
03...	.110	.43	.39	.070	.060	64	10	1.0

Table 19.--Continued

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
DEC , 1981									
03...	1605	.49	105	--	44	--	--	18	<.10
03...	1625	.29	102	--	39	--	--	12	<.10
03...	1645	2.7	81	--	63	--	--	63	<.10
03...	1705	1.2	76	--	41	--	--	30	.12
03...	1735	.41	78	--	30	--	--	13	.12
03...	2315	.06	108	6.8	32	--	--	9	.19
JAN , 1982									
15...	1230	2.1	25	6.6	39	--	--	66	<.09
15...	1240	1.9	24	6.6	--	2.0	2800	45	--
15...	1330	2.3	20	6.6	29	--	--	49	<.09
15...	1340	2.3	20	6.6	--	2.4	K1200	43	--
15...	1410	1.6	23	6.7	25	--	--	28	<.09
15...	1420	1.5	24	6.7	--	1.3	K1300	30	--
15...	1510	2.2	22	6.7	30	--	--	42	<.09
15...	1520	2.3	21	6.7	--	1.8	K900	51	--
15...	1610	2.3	20	6.6	34	--	--	46	<.09
15...	1620	2.3	20	6.7	--	1.9	K900	49	--
15...	1835	1.2	31	6.8	23	--	--	30	.12
15...	1850	1.1	32	6.8	--	1.9	K1000	25	--
15...	2050	.53	46	6.9	18	--	--	12	.17
15...	2120	.41	48	6.9	--	1.7	K180	9	--
15...	2250	1.1	30	6.9	18	--	--	13	.14
15...	2300	1.1	29	6.8	--	1.7	--	14	--
15...	2400	.61	41	6.9	12	--	--	7	.14
16...	0015	--	41	6.9	--	1.4	400	8	--
16...	0145	1.3	28	6.7	18	--	--	16	<.09
16...	0215	1.8	24	6.8	--	2.3	K800	25	--
16...	0345	2.7	21	--	16	--	--	18	<.09
16...	0415	3.2	19	6.8	--	1.1	K500	29	--
16...	0505	1.9	30	6.8	14	--	--	10	.12
16...	0535	.92	44	6.8	--	1.6	K300	7	--
16...	1105	.26	90	6.8	25	--	--	6	.60
16...	1135	.24	91	6.9	--	2.0	--	6	--
16...	1320	.92	44	6.9	--	4.6	K820	34	--
16...	1335	1.4	30	6.8	29	--	--	34	.09
16...	1440	1.2	31	6.7	23	--	--	20	.13
16...	1445	1.5	27	6.9	38	--	--	53	<.09
16...	1525	2.4	24	6.8	33	--	--	53	<.09
16...	1540	1.9	23	6.8	--	3.0	K550	34	--
16...	1625	.53	51	6.8	17	--	--	10	.27

TABLE 19.--Continued

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
DEC , 1981								
03...	.100	.59	.46	.070	.060	68	5.4	1.5
03...	<.070	.76	.56	.040	.010	54	5.1	.9
03...	.090	.80	.47	.080	.010	210	5.2	3.5
03...	.120	.57	.49	.060	.040	52	1.3	4.0
03...	.080	.56	.27	.040	.020	36	4.1	.7
03...	<.070	.53	.38	.030	.020	38	4.8	.6
JAN , 1982								
15...	.070	.52	.45	.100	.040	170	3.4	2.4
15...	--	--	--	--	--	--	--	--
15...	<.070	.40	.39	.060	.020	110	3.3	2.6
15...	--	--	--	--	--	--	--	--
15...	<.070	.46	.38	--	.020	64	3.4	1.9
15...	--	--	--	--	--	--	--	--
15...	<.070	.58	.41	--	.020	100	2.7	3.7
15...	--	--	--	--	--	--	--	--
15...	<.070	.62	.53	.060	.020	110	3.4	3.2
15...	--	--	--	--	--	--	--	--
15...	.130	.60	.68	.360	.030	61	5.2	1.7
15...	--	--	--	--	--	--	--	--
15...	.150	.58	.64	.060	.030	30	5.5	.5
15...	--	--	--	--	--	--	--	--
15...	.120	.44	.55	.060	.020	33	4.0	.8
15...	--	--	--	--	--	--	--	--
15...	.100	.53	.56	.030	.020	18	8.9	.6
16...	--	--	--	--	--	--	--	--
16...	.090	.57	.49	.510	.020	46	3.3	1.4
16...	--	--	--	--	--	--	--	--
16...	.080	.54	.59	.010	.020	46	3.4	1.6
16...	--	--	--	--	--	--	--	--
16...	.120	.55	.62	.050	.030	20	4.0	.5
16...	--	--	--	--	--	--	--	--
16...	.100	1.00	.62	.060	.040	20	6.8	.4
16...	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--
16...	.070	.73	.53	.040	.020	92	3.7	1.6
16...	.140	.65	.52	--	.020	62	19	1.1
16...	.090	.58	.42	.080	.020	130	3.2	2.5
16...	.120	.73	.45	.070	.020	130	3.5	3.1
16...	--	--	--	--	--	--	--	--
16...	.150	.59	.53	.210	.040	23	18	.7

TABLE 19.--Continued

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JAN, 1982								
16...	1640	.45	59	6.8	--	2.6	12	--
17...	1245	.41	59	6.7	42	--	33	.25
17...	1300	1.2	36	6.7	55	--	44	.10
17...	1330	.86	31	6.7	25	--	22	<.09
17...	1345	2.5	21	6.7	47	--	72	<.09
17...	1415	2.3	21	6.7	33	--	48	<.09
17...	1500	.70	37	6.8	14	--	19	.13

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)
JAN, 1982								
16...	--	--	--	--	--	--	--	--
17...	.080	.74	.64	--	.070	81	9.5	1.5
17...	.120	.78	.53	.060	.040	120	8.2	2.4
17...	.100	.68	.56	.050	.040	65	3.7	1.4
17...	.110	.97	.38	.040	.030	180	5.2	3.1
17...	.110	.96	.32	.030	.040	110	2.8	2.4
17...	.120	.75	.34	.040	.030	35	3.6	.8

TABLE 19.--Continued

12119730 - 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)
DEC , 1979									
13...	1235	.56	62	6.6	94	--	K700	--	82
13...	1240	.56	65	6.8	--	--	--	38	82
13...	1250	.74	63	6.9	160	--	K500	39	202
13...	1315	.58	65	6.8	61	--	K540	--	76
13...	1320	.58	68	6.9	--	--	--	44	62
13...	1400	.68	81	7.0	59	--	--	51	53
13...	1412	.63	77	6.9	66	--	K630	--	46
13...	1415	.56	76	7.0	--	--	--	62	50
13...	1430	.58	72	6.9	63	--	K800	--	68
13...	1435	.68	69	6.7	--	--	--	53	82
13...	1445	.70	60	6.6	71	--	K1400	--	106
13...	1450	.68	58	6.9	--	--	--	45	98
13...	1520	.72	58	7.1	62	--	K1000	--	66
13...	1525	.74	57	6.5	--	--	--	38	67
13...	1535	.82	54	6.6	79	--	K800	--	111
13...	1540	.72	49	6.7	--	--	--	32	127
13...	1610	.68	47	6.7	66	--	K100	--	101
13...	1615	.72	49	6.7	--	--	--	34	77
13...	1635	.68	49	7.1	51	--	K540	--	44
13...	1650	.70	50	7.2	--	--	--	33	51
13...	1855	.50	49	7.2	34	--	K810	--	29
13...	1910	.60	52	7.3	--	--	--	32	25
JAN , 1980									
31...	1820	.37	120	6.4	240	35	--	--	270
31...	1825	.39	97	6.7	--	--	--	71	253
31...	1845	.32	55	6.7	140	21	--	--	174
31...	1850	.34	53	6.6	--	--	--	45	--
31...	1908	.17	45	--	95	--	--	--	--
31...	1910	.14	45	6.5	96	15	--	--	131
31...	1915	.19	44	6.7	--	--	--	37	--
FEB									
01...	0300	.24	119	6.4	60	16	--	31	31
01...	0315	.41	64	6.4	86	9.0	--	38	122
01...	0330	.19	56	6.4	60	8.6	--	40	52
01...	0535	.19	70	6.4	34	8.0	--	51	29
01...	0550	.24	58	6.5	38	6.8	--	44	30
01...	0605	.53	50	6.5	44	6.2	--	43	51
01...	0620	.63	39	6.4	61	6.3	--	32	130
01...	0635	.14	42	6.4	49	6.4	--	28	75
MAR									
19...	2345	.11	75	6.9	59	--	--	58	63

TABLE 19.--Continued

12119730 - 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA

WATER QUALITY DATA

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC, DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)
DEC , 1979									
13...	--	--	--	--	--	--	200	4.8	3.1
13...	.21	.000	.90	.39	.160	.010	--	--	--
13...	.20	.000	1.40	.43	.290	.010	640	4.5	9.3
13...	--	--	--	--	--	--	250	4.3	2.0
13...	.21	.030	.76	.62	.100	.010	--	--	--
13...	.26	.030	.61	.60	.130	.000	190	4.9	2.6
13...	--	--	--	--	--	--	210	4.4	2.2
13...	.23	.000	.62	.43	.080	.010	--	--	--
13...	--	--	--	--	--	--	270	5.2	2.1
13...	.20	.000	.72	.40	.120	.000	--	--	--
13...	--	--	--	--	--	--	330	5.3	2.9
13...	.16	.000	.85	.53	.150	.000	--	--	--
13...	--	--	--	--	--	--	200	4.4	--
13...	.14	.000	.70	.55	.110	.020	--	--	--
13...	--	--	--	--	--	--	300	5.5	3.2
13...	.14	.000	.87	.41	.140	.000	--	--	--
13...	--	--	--	--	--	--	240	5.0	2.4
13...	.12	.000	.66	.41	.110	.010	--	--	--
13...	--	--	--	--	--	--	180	6.1	1.0
13...	.16	.000	.80	.40	.090	.000	--	--	--
13...	--	--	--	--	--	--	120	4.3	1.4
13...	.17	.000	.62	.39	.120	.010	--	--	--
JAN , 1980									
31...	--	--	--	--	--	--	1000	31	6.9
31...	.63	.430	1.20	.63	.230	.040	--	--	--
31...	--	--	--	--	--	--	550	21	7.6
31...	.28	.270	.70	.43	.130	.040	--	--	--
31...	--	--	--	--	--	--	--	13	7.2
31...	.23	.220	.69	.51	.150	.030	440	14	5.1
31...	.25	.220	.57	.40	.120	.040	--	--	--
FEB									
01...	.48	.390	.65	.56	.170	.160	--	5.8	2.9
01...	.29	.230	.63	.41	.170	.080	400	8.2	8.5
01...	.25	.190	.49	.40	.120	.090	200	7.9	3.9
01...	.24	.240	.68	.59	.140	.130	42	7.4	1.9
01...	.21	.190	.41	.37	.110	.100	79	6.9	1.6
01...	.17	.170	.45	.41	.120	.080	170	6.3	2.3
01...	.24	.160	.55	.27	.090	.080	260	14	4.9
01...	.15	.150	.46	.38	.130	.090	220	4.3	2.8
MAR									
19...	.57	.150	1.50	.70	.110	.020	190	8.5	2.4

Table 19.--Continued

12119730 - 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)
MAR , 1980									
19...	2350	.14	66	6.9	--	6.3	--	--	61
19...	2400	.17	56	7.0	70	--	--	48	68
20...	0005	.24	51	7.0	--	5.7	--	--	62
20...	0015	.24	40	6.9	59	--	--	28	57
20...	0020	.19	38	6.9	--	4.6	--	--	49
20...	0040	.22	38	6.9	36	--	--	32	32
20...	0045	.27	41	6.9	--	3.0	--	--	32
20...	0057	.27	--	--	30	--	--	--	--
20...	0100	.29	38	6.9	23	--	--	28	28
20...	0105	.29	38	6.9	--	2.5	--	--	28
20...	0120	.27	40	6.9	21	--	--	32	24
20...	0130	.27	41	6.9	--	2.4	--	--	18
20...	0200	.19	53	6.9	14	--	--	38	10
20...	0210	.12	56	6.9	--	2.6	--	--	8
20...	0240	.12	62	6.8	16	--	--	38	6
20...	0250	.24	63	6.8	--	2.1	--	--	9
APR									
19...	0913	.39	51	--	--	--	--	--	--
19...	0915	.39	50	6.9	52	--	--	32	35
19...	0917	.39	46	--	58	--	--	--	--
19...	0935	.48	43	6.9	47	--	--	30	37
19...	0945	.65	42	6.9	61	--	--	30	58
19...	1005	.92	43	6.8	62	--	--	28	67
19...	1025	.82	32	6.6	93	--	--	18	108
19...	1035	.56	32	6.6	55	--	--	18	49
19...	1050	.80	40	6.8	41	--	--	17	37
19...	1110	.75	24	6.7	70	--	--	12	109
19...	1155	.87	30	6.6	57	--	--	16	71
19...	1240	.87	29	6.6	31	--	--	--	14
19...	1340	.56	42	6.8	17	--	--	23	30
MAY									
20...	1245	.08	119	6.6	--	--	--	--	78
20...	1250	.08	119	6.9	200	--	--	--	71
20...	1255	.08	116	6.7	--	--	--	--	--
20...	1315	.08	111	6.7	200	35	K1500	104	72
20...	1840	.08	118	6.1	--	--	--	--	--
20...	1900	.08	109	6.8	210	--	--	--	--
20...	1910	.08	117	6.7	--	38	K270	--	71
20...	1920	.08	115	6.4	190	--	--	112	--
20...	1930	.08	112	6.6	--	40	K400	--	86

TABLE 19.--Continued

12119730 - 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA

WATER QUALITY DATA

DATE	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
MAR , 1980									
19...	--	--	--	--	--	--	--	--	--
19...	.41	.170	1.40	.73	.090	.010	180	8.5	3.1
20...	--	--	--	--	--	--	--	--	--
20...	.30	.120	1.10	.46	.080	.010	160	7.1	1.7
20...	--	--	--	--	--	--	--	--	--
20...	.28	.100	.86	.47	.040	.010	77	7.2	.8
20...	--	--	--	--	--	--	--	--	--
20...	.30	.100	1.60	.53	.050	.010	73	7.8	.2
20...	.34	.080	1.60	.52	.050	.010	91	5.0	2.1
20...	--	--	--	--	--	--	--	--	--
20...	.30	.060	.74	.46	.030	.010	61	3.8	.7
20...	--	--	--	--	--	--	--	--	--
20...	.35	.080	.62	.43	.020	.010	32	3.9	--
20...	--	--	--	--	--	--	--	--	--
20...	.37	.060	.34	.33	.020	.010	26	4.1	.3
20...	--	--	--	--	--	--	--	--	--
APR									
19...	.25	.060	.84	.63	.090	.020	150	10	4.1
19...	.22	.040	.81	.69	.090	.020	140	9.9	1.7
19...	--	--	--	--	--	--	--	--	--
19...	.19	.040	1.00	.81	.080	.010	150	7.6	2.4
19...	.19	.060	1.10	.59	.110	.010	240	7.2	4.9
19...	.20	.080	1.10	.80	.110	.010	260	7.6	4.6
19...	.13	.060	1.60	.80	.140	.010	300	9.9	6.4
19...	.14	.040	1.10	.47	.100	.010	160	5.5	3.8
19...	.16	.040	.66	.62	.060	.010	100	6.9	2.3
19...	.12	.040	1.40	.41	.160	.010	300	6.5	6.6
19...	.09	.010	1.10	1.1	.110	.010	220	7.3	2.4
19...	.08	.000	.98	.58	.110	.010	180	6.6	2.0
19...	.15	.000	.48	.42	.060	.010	63	5.5	.7
MAY									
20...	.90	.520	2.50	1.9	.200	.090	400	--	--
20...	--	--	--	--	--	--	--	42	2.9
20...	.86	.480	3.20	1.6	.180	.060	410	--	--
20...	.92	.490	2.20	1.8	.170	.060	400	38	4.0
20...	.90	.230	2.10	1.7	.150	.030	380	--	--
20...	--	--	--	--	--	--	--	47	2.2
20...	--	--	--	--	--	--	--	--	--
20...	.99	.200	2.70	1.3	.160	.030	470	43	2.4
20...	--	--	--	--	--	--	--	--	--

TABLE 19.--Continued

12119730 - 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)
MAY , 1980									
20...	1950	.08	108	6.5	210	--	--	104	--
20...	2000	.08	106	6.6	--	34	--	--	74
20...	2020	.10	101	6.5	200	--	--	96	--
20...	2030	.10	102	6.6	--	34	K1500	--	68
JUN									
16...	1555	2.0	81	5.6	240	--	--	74	338
16...	1600	2.5	73	5.6	--	26	K500	--	400
16...	1605	2.5	75	5.9	250	--	--	61	478
16...	1610	2.4	77	5.9	--	27	K1100	--	475
16...	1620	2.5	70	5.6	210	--	--	60	336
16...	1625	2.0	68	5.6	--	21	2000	--	341
16...	1635	2.0	67	5.6	140	--	--	54	223
16...	1640	2.2	60	5.5	--	20	K1700	--	237
16...	1650	1.6	51	5.4	130	--	--	40	185
16...	1655	.89	53	5.4	--	14	K900	--	146
16...	1710	.58	50	5.6	120	--	--	40	128
16...	1715	.51	49	5.7	--	16	K500	--	196
16...	1745	.80	47	5.6	100	--	--	42	148
16...	1750	1.9	43	5.5	--	12	2800	--	129
16...	1755	1.5	43	5.5	100	--	--	39	131
16...	1800	1.4	43	5.6	--	11	2000	--	127
16...	1810	.80	44	5.8	94	--	--	36	118
16...	1815	.66	44	5.8	--	11	K700	--	119
JUL									
04...	0345	.32	68	6.5	110	--	--	84	64
04...	0350	.34	75	6.5	--	20	K660	--	69
04...	0355	.32	73	6.5	150	--	--	82	69
04...	0420	.08	66	6.6	130	--	--	68	50
04...	0430	.08	64	6.6	--	15	K2700	--	44
OCT									
31...	0615	.58	76	5.8	91	--	--	--	53
31...	0620	.51	76	6.1	--	20	<1	--	49
31...	0710	.51	44	6.3	65	--	--	--	33
31...	0715	.48	44	--	--	13	K64	--	32
31...	1345	.75	41	6.6	120	--	--	--	123
31...	1350	.61	43	6.6	--	12	K800	--	107
NOV									
01...	0055	.66	25	--	32	--	--	--	39
01...	0100	.87	21	6.4	--	5.6	K340	--	45
01...	0105	.89	--	--	33	--	--	--	42

TABLE 19.--Continued

12119730 - 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA

WATER QUALITY DATA

DATE	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC, DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
MAY , 1980									
20...	.40	.230	2.10	1.5	.160	.030	490	32	4.8
20...	--	--	--	--	--	--	--	--	--
20...	.04	.000	4.00	1.2	.150	.030	450	31	--
20...	--	--	--	--	--	--	--	--	--
JUN									
16...	1.0	1.00	3.40	3.0	.330	.090	37	27	14
16...	--	--	--	--	--	--	--	--	--
16...	.83	.890	3.60	1.5	.440	.060	1300	29	18
16...	--	--	--	--	--	--	--	--	--
16...	.82	.810	2.70	1.3	.310	.070	1000	20	--
16...	--	--	--	--	--	--	--	--	--
16...	.68	.640	2.40	1.8	.260	.080	470	21	2.2
16...	--	--	--	--	--	--	--	--	--
16...	.48	.460	1.80	1.0	.220	.080	340	18	1.2
16...	--	--	--	--	--	--	--	--	--
16...	.42	.430	1.60	.96	.190	.080	450	18	5.2
16...	--	--	--	--	--	--	--	--	--
16...	.41	.370	1.50	1.4	.170	.070	310	20	1.3
16...	--	--	--	--	--	--	--	--	--
16...	.40	.300	1.40	.56	.160	.060	240	14	2.9
16...	--	--	--	--	--	--	--	--	--
16...	.39	.360	2.20	1.8	.150	.050	240	15	1.3
16...	--	--	--	--	--	--	--	--	--
JUL									
04...	.55	.400	1.70	1.3	.230	.100	260	32	1.6
04...	--	--	--	--	--	--	--	--	--
04...	.63	.750	2.00	1.6	.210	.100	270	32	2.3
04...	.61	.480	2.00	2.7	.160	.000	210	25	1.0
04...	--	--	--	--	--	--	--	--	--
OCT									
31...	.63	.490	1.80	1.7	.380	.280	250	19	1.5
31...	--	--	--	--	--	--	--	--	--
31...	.39	.310	1.30	1.2	.340	.270	160	15	1.3
31...	--	--	--	--	--	--	--	--	--
31...	.34	.130	1.90	1.1	.530	.350	460	25	.8
31...	--	--	--	--	--	--	--	--	--
NOV									
01...	.13	.040	1.30	1.2	.230	.100	150	12	1.2
01...	--	--	--	--	--	--	--	--	--
01...	.14	.060	.87	.53	.230	.140	150	5.9	2.7

TABLE 19.--Continued

12119730 - 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)
NOV , 1980									
01...	0115	.70	--	--	40	--	--	--	45
01...	0120	.61	21	6.6	--	7.4	K210	--	56
01...	0130	.39	22	--	42	--	--	--	45
01...	0140	.17	24	6.2	--	4.6	K180	--	46
01...	0210	.27	22	6.0	26	--	--	--	18
01...	0215	.43	23	6.3	--	3.9	K130	--	25
01...	0220	.48	22	6.1	26	--	--	--	24
01...	0225	.63	22	6.1	--	4.2	K69	--	24
01...	0230	.53	23	--	36	--	--	--	20
01...	0235	.53	--	--	--	3.7	K90	--	22
01...	0245	.34	20	--	36	--	--	--	20
01...	0250	.22	22	6.0	--	5.1	K100	--	22
DEC									
14...	0655	.39	94	6.4	--	--	--	--	179
14...	0700	.63	87	6.4	130	--	--	--	184
14...	0705	.63	90	6.5	--	--	--	--	--
14...	0710	.39	100	6.5	120	--	--	--	--
14...	0715	.34	108	6.5	--	--	--	--	141
JAN , 1981									
17...	1145	.05	221	7.3	130	--	--	--	46
17...	1155	.32	225	7.4	160	--	--	--	74
17...	1205	.37	206	7.4	150	--	--	131	86
17...	1220	.19	183	7.4	120	--	--	--	70
20...	2245	.08	124	7.3	120	--	--	--	90
20...	2250	.08	122	7.4	--	22	K100	--	93
20...	2310	.14	93	7.3	150	--	--	--	87
20...	2315	.22	88	7.3	--	16	K82	--	82
20...	2340	.32	78	7.3	190	--	--	--	81
20...	2345	.32	76	7.2	--	14	--	--	82
21...	0005	.39	67	7.2	170	--	--	--	93
21...	0010	.37	65	7.2	--	14	K40	--	89
21...	0035	.22	58	7.4	160	--	--	--	74
21...	0040	.27	57	7.3	--	11	K530	--	64
21...	0110	.08	50	7.3	110	--	--	--	54
21...	0115	.08	49	7.0	--	11	860	--	50
21...	0130	.24	46	7.1	200	--	--	--	43
21...	0135	.22	44	7.2	--	8.7	660	--	31
21...	0145	.56	39	7.2	190	--	--	--	82
21...	0150	.70	37	7.2	--	9.4	480	--	117
21...	0155	2.2	34	7.3	160	--	--	--	140

TABLE 19.--Continued

12119730 - 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA

WATER QUALITY DATA

DATE	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
NOV , 1980									
01...	.15	.040	1.10	.64	.260	.140	170	4.9	2.4
01...	--	--	--	--	--	--	--	--	--
01...	.13	.050	1.50	.62	.240	.100	180	5.1	2.2
01...	--	--	--	--	--	--	--	--	--
01...	.12	.050	1.10	.90	.220	.100	110	5.9	1.6
01...	--	--	--	--	--	--	--	--	--
01...	.12	.060	1.60	.82	.220	.120	100	6.6	1.7
01...	--	--	--	--	--	--	--	--	--
01...	.07	.120	1.10	.55	.240	.130	89	6.8	1.4
01...	--	--	--	--	--	--	--	--	--
01...	.09	.120	.82	.59	.230	.120	4	8.5	1.4
01...	--	--	--	--	--	--	--	--	--
DEC									
14...	.30	.130	1.70	.86	.170	.090	480	4.5	7.8
14...	--	--	--	--	--	--	450	--	--
14...	.28	.100	1.70	.65	.350	.160	--	--	--
14...	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	380	16	4.8
JAN , 1981									
17...	1.5	.840	2.50	1.8	.110	.050	260	33	2.0
17...	1.5	1.10	2.30	--	.060	.130	320	33	>4.0
17...	1.3	1.10	2.70	2.1	.140	.060	300	32	>4.0
17...	1.3	.980	2.80	2.9	.160	.070	260	27	>4.0
20...	.67	.360	1.60	1.4	.140	.160	380	20	3.5
20...	--	--	--	--	--	--	--	--	--
20...	.46	.340	1.40	1.2	.200	.080	290	18	3.5
20...	--	--	--	--	--	--	--	--	--
20...	.36	.310	1.60	1.3	.170	.090	300	16	4.4
20...	--	--	--	--	--	--	--	--	--
21...	.35	.280	1.60	1.1	.140	.100	350	19	4.7
21...	--	--	--	--	--	--	--	--	--
21...	.25	.280	.99	.95	.180	.100	260	14	3.2
21...	--	--	--	--	--	--	--	--	--
21...	.20	.230	.97	.94	.150	.110	190	11	3.8
21...	--	--	--	--	--	--	--	--	--
21...	.25	.210	1.10	.61	.100	.080	140	4.7	2.4
21...	--	--	--	--	--	--	--	--	--
21...	.21	.190	1.70	.62	.100	.070	240	7.1	3.2
21...	--	--	--	--	--	--	--	--	--
21...	.19	.200	1.60	.54	.090	.070	360	10	4.7

TABLE 19.--Continued

12119730 - 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JAN , 1981									
21...	0200	2.2	32	7.2	--	8.3	K100	194	--
21...	0205	1.4	33	7.2	--	--	--	314	.20
21...	0215	2.2	28	7.4	170	--	--	225	.20
21...	0220	.87	26	7.3	--	8.5	--	204	--
21...	0230	.68	24	7.1	130	--	--	173	.17
21...	0235	.56	26	7.3	--	8.4	--	145	--
21...	0250	.37	28	7.0	250	--	--	83	.16
21...	0255	.29	28	7.0	--	5.6	<20	68	--
21...	0325	.08	27	7.0	120	--	--	32	.15
21...	0330	.08	26	7.1	--	5.4	K33	29	--
FEB									
11...	1345	.14	150	7.0	200	--	--	260	.64
11...	1350	.10	151	6.8	--	31	K100	254	--
11...	1445	.08	147	6.7	160	--	--	194	.61
11...	1500	.08	148	7.0	--	24	K100	181	--
11...	1655	.08	121	7.0	140	--	--	157	.51
11...	1700	.08	113	7.0	--	17	K200	165	--
11...	1710	.10	105	6.9	180	--	--	269	.50
11...	1715	.27	99	6.9	--	17	K180	379	--
11...	1720	.37	91	6.9	200	--	--	275	.42
11...	1725	.29	89	7.0	--	16	<100	269	--
11...	1735	.27	96	7.1	150	--	--	239	.42
11...	1740	.22	101	7.0	--	17	<100	219	--
11...	1750	.17	108	6.9	160	--	--	206	.46
11...	1755	.08	107	6.8	--	11	K300	204	--
11...	2110	.48	22	6.6	67	--	--	96	.13
11...	2115	.48	24	6.8	--	5.1	K100	92	--
11...	2120	.46	23	6.7	--	3.3	--	--	--
11...	2200	.34	24	6.8	50	--	--	64	.33
11...	2205	.43	26	6.7	--	1.9	<100	69	--
11...	2220	.90	24	6.8	57	--	--	121	.13
11...	2230	.82	23	6.9	--	.8	K90	187	--
11...	2240	.80	22	6.8	120	--	--	285	.13
11...	2245	.87	20	6.9	--	3.4	<100	204	--
11...	2310	2.0	17	6.6	76	--	--	170	.09
11...	2315	1.9	19	6.0	--	2.4	<100	167	--
11...	2320	2.1	17	6.6	71	--	--	190	.08
11...	2325	2.2	16	6.7	--	3.1	<100	213	--
11...	2335	1.9	17	6.6	80	--	--	181	.08
11...	2340	2.1	16	6.7	--	2.6	K200	201	--

TABLE 19.--Continued

12119730 - 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA

WATER QUALITY DATA

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)
JAN , 1981								
21...	--	--	--	--	--	--	--	--
21...	.200	2.10	.62	.300	.050	650	8.7	6.5
21...	.120	.84	.74	.090	.040	550	7.6	4.4
21...	--	--	--	--	--	--	--	--
21...	.130	.99	.61	.070	.040	490	4.5	7.2
21...	--	--	--	--	--	--	--	--
21...	.140	.94	.79	.070	.050	--	5.7	3.2
21...	--	--	--	--	--	--	--	--
21...	.130	.79	.41	.080	.060	120	8.2	1.9
21...	--	--	--	--	--	--	--	--
FEB								
11...	.500	2.40	1.6	.400	.060	490	24	2.5
11...	--	--	--	--	--	--	--	--
11...	.470	2.00	1.3	.320	.080	370	14	3.3
11...	--	--	--	--	--	--	--	--
11...	.390	1.90	1.1	.300	.120	290	12	3.0
11...	--	--	--	--	--	--	--	--
11...	.390	1.90	.82	.400	.070	1300	14	4.7
11...	--	--	--	--	--	--	--	--
11...	.320	2.30	.91	.460	.070	1500	12	4.5
11...	--	--	--	--	--	--	--	--
11...	.340	1.90	.90	.370	.080	980	12	5.3
11...	--	--	--	--	--	--	--	--
11...	.360	2.00	1.1	.340	.070	930	12	4.9
11...	--	--	--	--	--	--	--	--
11...	.150	.80	.63	.170	.050	160	3.7	--
11...	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--
11...	.190	.94	.78	.140	.050	130	4.4	2.1
11...	--	--	--	--	--	--	--	--
11...	.170	1.30	.45	.170	.050	200	4.7	2.7
11...	--	--	--	--	--	--	--	--
11...	.150	1.60	.51	.280	.040	460	3.5	3.4
11...	--	--	--	--	--	--	--	--
11...	.130	1.40	.48	.200	.040	220	2.9	3.1
11...	--	--	--	--	--	--	--	--
11...	.110	1.20	.34	.210	.040	290	5.7	3.0
11...	--	--	--	--	--	--	--	--
11...	.080	1.20	.32	.200	.060	290	3.0	3.8
11...	--	--	--	--	--	--	--	--

TABLE 19.--Continued

12119730 - 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
FEB , 1981									
11...	2350	1.5	16	6.6	81	--	--	163	.08
11...	2355	1.7	15	6.6	--	2.8	K200	148	--
12...	0015	.85	15	6.6	42	--	--	78	.05
12...	0040	.92	16	6.6	32	--	--	60	.06
12...	0045	.85	16	6.7	--	2.2	--	--	--
12...	0120	.24	19	6.5	31	--	--	23	.07
12...	0125	.22	18	6.7	--	2.6	K100	22	--
12...	0250	.10	31	6.8	20	--	--	13	.15
12...	0255	.08	32	6.9	--	3.2	K200	12	--
13...	1230	.10	56	6.8	120	--	--	166	.27
13...	1300	.48	48	7.0	150	--	--	197	.23
13...	1345	.10	45	7.0	140	--	--	176	.24
18...	2025	.48	60	7.1	120	--	--	219	.26
18...	2035	1.4	53	7.3	170	--	--	176	.19
18...	2045	.80	51	7.4	--	8.4	K820	264	--
18...	2115	.48	44	7.2	160	--	--	304	.16
18...	2130	.27	41	7.0	--	6.7	K2000	166	--
MAR									
24...	2250	.37	74	7.0	--	--	--	67	.34
24...	2300	.43	67	6.9	--	11	K440	61	--
25...	0005	.48	44	7.1	60	--	--	47	.23
25...	0015	.43	41	7.0	--	6.3	K270	65	--
25...	0035	.27	37	7.0	46	--	--	30	.18
25...	0045	.27	37	6.9	--	6.5	K100	30	--
MAY									
24...	1735	1.4	79	--	--	--	--	--	--
24...	1745	.80	58	--	--	--	--	--	--
24...	1815	.61	70	--	--	--	--	--	--
24...	1855	.41	47	--	--	--	--	--	--
24...	1915	.63	42	--	--	--	--	--	--
24...	1935	.32	38	--	--	--	--	--	--
25...	0530	.61	41	--	--	--	--	--	--
25...	0540	.63	34	--	--	--	--	--	--
25...	0620	.48	33	--	--	--	--	--	--
JUN									
05...	1435	.66	96	6.6	190	--	--	292	.94
05...	1440	.70	78	7.5	--	20	K1200	--	--
05...	1500	.70	58	6.9	150	--	--	212	.39
05...	1505	.77	58	7.0	--	14	K1200	--	--
05...	1530	.41	52	6.8	110	--	--	128	.46

TABLE 19.--Continued

12119730 - 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA

WATER QUALITY DATA

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)
FEB , 1981								
11...	.100	1.20	.44	.200	.060	360	3.5	2.2
11...	--	--	--	--	--	--	--	--
12...	.100	.78	.38	.130	.060	120	2.6	2.3
12...	.070	1.10	.38	.120	.070	98	3.7	1.5
12...	--	--	--	--	--	--	--	--
12...	.060	.81	.54	.100	.080	39	4.4	.8
12...	--	--	--	--	--	--	--	--
12...	.090	.92	.58	.110	.090	23	4.9	.6
12...	--	--	--	--	--	--	--	--
13...	.100	1.20	.91	.440	.090	290	6.4	4.1
13...	.090	1.40	.74	.330	.090	400	7.2	4.4
13...	.080	1.30	.76	.290	.090	330	6.4	4.9
18...	.050	1.60	.64	.290	.050	450	8.4	2.6
18...	.070	2.10	.39	.410	.060	680	8.6	7.0
18...	--	--	--	--	--	--	--	--
18...	.050	2.20	.23	.340	.050	640	5.8	6.5
18...	--	--	--	--	--	--	--	--
MAR								
24...	.170	1.70	1.0	.210	.080	150	15	1.9
24...	--	--	--	--	--	--	--	--
25...	.130	1.10	.55	.140	.060	100	11	1.4
25...	--	--	--	--	--	--	--	--
25...	.140	.74	.52	.130	.070	67	12	1.1
25...	--	--	--	--	--	--	--	--
MAY								
24...	--	--	--	.270	--	460	--	--
24...	--	--	--	.480	--	340	--	--
24...	--	--	--	.200	--	320	--	--
24...	--	--	--	.130	--	180	--	--
24...	--	--	--	.130	--	130	--	--
24...	--	--	--	.110	--	130	--	--
25...	--	--	--	.100	--	120	--	--
25...	--	--	--	.110	--	140	--	--
25...	--	--	--	.060	--	80	--	--
JUN								
05...	.660	2.90	1.2	.430	.080	730	24	7.3
05...	--	--	--	--	--	--	--	--
05...	.640	2.10	.89	.460	.160	600	14	6.3
05...	--	--	--	--	--	--	--	--
05...	.600	1.60	1.5	.270	.210	340	11	1.5

TABLE 19.--Continued

12119730 - 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUN , 1981									
05...	1540	.58	48	6.9	--	10	K550	--	--
05...	1640	.58	36	6.8	60	--	--	54	.25
05...	1650	.56	36	6.8	--	5.3	K820	--	--
05...	1720	.48	39	6.7	60	--	--	34	.37
05...	1800	.34	41	6.8	50	--	--	28	.42
05...	1830	.66	44	6.8	88	--	--	100	.36
05...	1850	.66	31	6.9	52	--	--	97	.21
05...	1910	1.1	34	6.9	100	--	--	195	.39
05...	1930	1.0	30	6.9	79	--	--	148	.26
05...	1940	.92	27	7.0	63	--	--	105	.21
05...	2010	.56	29	6.8	40	--	--	46	.26
05...	2040	.41	30	6.8	33	--	--	23	.25
30...	1640	.51	690	6.2	320	--	--	2740	1.2
30...	1710	2.0	150	6.4	200	--	--	297	.50
JUL									
06...	2005	.70	134	6.0	230	--	--	137	2.1
06...	2045	.41	91	6.2	140	--	--	77	1.4
06...	2350	.34	54	6.2	96	--	--	54	1.1
07...	0030	.44	46	6.3	76	--	--	26	.80
07...	0040	.72	43	6.3	77	--	--	30	.78
07...	0050	1.2	33	6.4	62	--	--	52	.62
07...	0120	2.1	38	6.3	71	--	--	75	.61
07...	0130	.89	31	6.4	63	--	--	75	.50
07...	0220	.60	33	6.3	35	--	--	13	.62
07...	0230	1.6	31	6.3	45	--	--	23	.49
07...	0240	.48	30	6.3	38	--	--	10	.51
SEP									
21...	0925	.65	49	7.9	110	--	--	105	.15
21...	0935	.56	45	7.1	--	7.8	K7000	66	--
21...	0955	.48	51	6.7	75	--	--	43	.14
21...	1005	.46	54	6.5	--	7.4	K8000	45	--
21...	1015	.56	55	6.3	98	--	--	64	.21
21...	1035	.56	52	6.3	--	8.3	K6700	64	--
21...	1045	.84	38	6.4	98	--	--	119	.13
21...	1055	.90	28	6.4	--	6.1	K5000	94	--
21...	1105	.82	40	6.4	98	--	--	104	.15
21...	1115	.60	41	6.3	--	12	K4000	174	--
21...	1135	.56	34	6.3	79	--	--	106	.12
21...	1215	.46	38	6.3	61	--	--	43	.11
21...	1225	.41	37	6.3	--	5.0	K1500	35	--

TABLE 19.--Continued

12119730 - 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA

WATER QUALITY DATA

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
JUN , 1981								
05...	--	--	--	--	--	--	--	--
05...	.520	1.00	.64	.170	.070	160	9.8	2.5
05...	--	--	--	--	--	--	--	--
05...	.470	1.10	.53	.130	.050	110	7.1	4.9
05...	.200	.90	.85	.110	.050	190	7.5	1.9
05...	.210	1.30	.56	.120	.060	360	8.3	5.0
05...	.200	1.10	.57	.280	.090	250	6.7	3.9
05...	.220	1.60	.69	.270	.040	580	6.0	15
05...	.230	1.20	.81	.080	.050	530	7.8	4.8
05...	.170	1.10	.42	.260	.050	340	6.5	5.4
05...	.200	.80	.62	.070	.050	200	7.0	3.2
05...	.160	.88	.59	.080	.050	88	6.4	1.8
30...	--	45.0	33	9.20	7.20	670	40	5.9
30...	6.50	10.0	6.7	1.50	.990	680	23	5.7
JUL								
06...	2.70	9.80	4.9	.410	.200	510	3.1	4.3
06...	1.10	3.00	2.5	.310	.130	310	22	2.6
06...	.530	1.90	1.4	.230	.120	200	18	2.6
07...	.500	1.70	1.3	.230	.130	110	18	1.3
07...	.480	1.50	1.2	.180	.110	110	15	1.8
07...	.350	1.40	1.1	.150	.090	160	9.8	2.3
07...	.410	1.90	1.3	.370	.230	260	11	2.6
07...	.370	1.70	1.1	.310	.200	220	10	2.2
07...	.370	1.10	.99	.200	.150	51	9.0	.8
07...	.300	1.10	.97	.150	.100	63	8.2	1.0
07...	.310	1.10	.94	.170	.120	41	8.1	.6
SEP								
21...	.250	1.40	1.1	.220	.090	280	8.5	3.0
21...	--	--	--	--	--	--	--	--
21...	.190	1.30	.77	.150	.070	120	11	2.3
21...	--	--	--	--	--	--	--	--
21...	.230	1.60	1.0	.200	.060	160	11	3.1
21...	--	--	--	--	--	--	--	--
21...	.190	1.80	.95	.190	.040	300	9.3	6.3
21...	--	--	--	--	--	--	--	--
21...	.230	2.00	.93	.200	.040	480	10	3.7
21...	--	--	--	--	--	--	--	--
21...	.270	1.30	.96	.190	.040	250	8.2	4.0
21...	.180	1.00	.97	.120	.030	160	8.0	3.0
21...	--	--	--	--	--	--	--	--

TABLE 19.--Continued

12119730 - 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
OCT , 1981									
05...	1315	.08	118	6.2	100	--	--	35	1.1
05...	1325	.08	107	6.5	--	20	K1200	37	--
05...	1335	.32	102	6.5	100	--	--	35	.86
05...	1345	.39	100	6.6	--	19	K1400	44	--
05...	1355	.63	85	6.5	110	--	--	86	.60
05...	1405	.72	48	6.7	--	8.9	2200	72	--
05...	1425	.48	46	6.6	84	--	--	52	.29
05...	1435	.41	45	6.5	--	9.8	K5000	62	--
05...	1445	.56	53	6.4	100	--	--	53	.37
05...	1455	.51	51	6.6	--	12	K6500	51	--
05...	1525	.37	40	6.5	80	--	--	33	.31
05...	1535	.34	40	6.7	--	8.0	K5000	32	--
05...	1555	.37	40	6.7	82	--	--	25	.32
05...	1605	.32	38	6.4	--	7.6	2300	26	--
05...	1625	.19	36	6.4	67	--	--	19	.31
05...	1635	.08	36	6.5	--	8.1	K1700	20	--
27...	0115	.44	120	6.9	110	--	--	28	1.2
27...	0135	.46	102	7.0	110	--	--	39	.77
27...	0205	.24	102	7.0	99	--	--	28	.82
27...	0810	.46	48	6.6	99	--	--	45	--
27...	0820	.53	38	6.9	--	13	K1500	--	--
27...	0830	.56	31	6.7	88	--	--	60	.21
27...	0840	.53	29	6.9	--	7.8	--	--	--
27...	0900	.41	34	6.6	57	--	--	48	.24
27...	0910	.41	37	6.7	--	10	K1600	--	.41
27...	1000	.29	43	6.7	77	--	--	40	.35
27...	1010	.19	43	6.6	--	11	K1100	--	--
NOV									
13...	0930	.61	41	6.8	41	--	--	98	.25
13...	0940	.61	28	6.7	--	3.2	K11000	--	--
13...	0950	.68	28	6.7	70	--	--	80	.20
13...	1000	.37	28	6.7	--	2.1	K19000	--	--
13...	1010	.32	29	6.7	45	--	--	60	.20
13...	1020	.22	30	6.7	--	3.0	K2000	--	--
13...	1050	.19	35	6.7	77	--	--	49	.24
13...	1100	.14	35	6.6	--	3.3	4400	--	--
13...	1120	.08	34	6.7	45	--	--	40	.24
13...	1130	.07	34	6.6	--	1.3	4200	--	--
DEC									
18...	2040	.14	61	6.6	76	--	--	118	.31

TABLE 19.--Continued

12119730 - 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA

WATER QUALITY DATA

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
OCT , 1981								
05...	.420	1.60	1.1	.110	.080	140	16	1.4
05...	--	--	--	--	--	--	--	--
05...	.430	1.50	1.1	.140	.070	140	17	2.1
05...	--	--	--	--	--	--	--	--
05...	.370	1.00	.97	.130	.100	260	14	2.8
05...	--	--	--	--	--	--	--	--
05...	.390	1.00	.79	.110	.100	160	11	2.2
05...	--	--	--	--	--	--	--	--
05...	.520	1.50	1.0	.130	.090	170	11	3.0
05...	--	--	--	--	--	--	--	--
05...	.440	.99	.68	.080	.070	110	9.6	1.7
05...	--	--	--	--	--	--	--	--
05...	.380	.96	.67	.080	.060	97	7.3	1.2
05...	--	--	--	--	--	--	--	--
05...	.340	.85	.60	.090	.050	83	9.1	1.5
05...	--	--	--	--	--	--	--	--
27...	.930	2.00	2.0	.190	.090	150	28	1.3
27...	.910	2.50	1.9	.200	.120	150	23	2.3
27...	.860	2.00	1.9	.190	.130	110	24	1.6
27...	--	--	--	--	--	--	18	--
27...	--	--	--	--	--	--	--	--
27...	.310	.93	.88	.190	.110	220	14	3.6
27...	--	--	--	--	--	--	--	--
27...	.370	1.20	.95	.140	.080	110	12	2.6
27...	.440	1.40	1.1	.210	.080	34	18	2.9
27...	.430	1.20	1.1	.140	.070	160	12	2.5
27...	--	--	--	--	--	--	--	--
NOV								
13...	.210	.83	.45	.070	.020	240	7.5	>8.0
13...	--	--	--	--	--	--	--	--
13...	.230	.74	.42	.080	.040	200	7.5	7.4
13...	--	--	--	--	--	--	--	--
13...	.180	.83	.59	.080	.030	110	8.3	>7.0
13...	--	--	--	--	--	--	--	--
13...	.190	.55	.41	.060	.020	150	14	>6.0
13...	--	--	--	--	--	--	--	--
13...	.180	.60	.37	.050	.020	110	16	6.2
13...	--	--	--	--	--	--	--	--
DEC								
18...	.120	.61	.49	.110	<.010	120	6.2	2.3

TABLE 19.--Continued

12119730 - 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA

WATER QUALITY DATA

DATE	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
DEC , 1981							
18...	.70	.33	.080	<.010	180	5.0	1.9
19...	.62	.39	.100	<.010	32	3.1	1.9
19...	.25	.33	.090	<.010	22	4.2	1.5
19...	.47	.29	.110	<.010	58	3.1	2.0
19...	.48	.30	.060	<.010	86	3.0	2.4
19...	.44	.30	.120	<.010	46	2.9	1.8
19...	.52	.46	.090	<.010	8	4.4	1.2
19...	.38	.37	.110	<.010	8	3.0	1.3
19...	.40	.49	.150	<.010	6	3.8	1.3
JAN , 1982							
25...	.56	.65	.070	.020	470	6.1	5.7
25...	1.70	.65	.070	.020	400	5.7	5.4
25...	.42	.39	.080	.030	38	4.0	1.1

TABLE 19.--Continued

12119730 - 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)
DEC , 1981								
18...	2250	.56	35	6.6	86	102	.13	.090
19...	0035	.63	24	6.7	44	83	<.09	.110
19...	0335	.66	22	6.6	36	56	<.09	.090
19...	0350	2.4	18	6.6	36	68	<.09	.090
19...	0405	2.7	17	6.6	58	92	<.09	.120
19...	0430	.68	20	6.4	57	87	<.09	<.070
19...	0630	.56	33	6.7	50	54	.18	.110
19...	0730	.34	38	6.6	20	73	.20	.080
19...	0955	.24	55	6.2	21	134	.29	.070
JAN , 1982								
25...	1105	.72	48	6.8	110	249	.29	.250
25...	1135	.34	41	6.8	110	196	.23	.300
25...	1440	.15	66	6.7	20	33	.39	.210

TABLE 19.--Continued

473542122083001 - 148TH AV SE DET'N BASIN 3 OUTLET • BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUN , 1981									
05...	1520	.08	44	6.6	110	8.1	K1300	143	.43
05...	1605	.42	42	6.7	72	9.2	K1000	56	.33
05...	1700	.12	34	6.6	59	7.1	K820	50	.26
05...	1845	.56	31	6.9	150	--	--	375	.32
05...	1910	.45	23	6.9	83	--	--	76	.20
05...	2010	.02	22	6.9	28	--	--	11	.15
SEP									
21...	0955	.31	58	6.4	130	6.4	K1400	122	.19
21...	1120	.28	28	6.6	59	3.7	K1500	46	.05
21...	1200	.02	28	6.4	--	--	--	23	.07
OCT									
05...	1330	.15	102	6.7	110	16	K8700	64	.72
05...	1405	.81	58	6.7	140	14	K1500	146	.38
05...	1505	.09	30	6.6	82	7.2	K1400	29	.30
27...	0815	.37	48	7.1	75	12	2400	20	.33
27...	0835	.43	46	7.1	110	11	K1400	99	.28
27...	0905	.12	38	7.0	79	9.3	K1200	55	.24
NOV									
13...	0927	.25	46	6.5	52	3.5	K8500	40	.26
13...	0935	.54	38	6.7	88	4.5	K13000	105	.24
13...	0945	.52	30	6.7	81	6.7	4700	107	.23
13...	0955	.37	29	6.7	67	3.2	K6600	64	.24
13...	1015	.23	29	6.6	57	4.1	5900	58	.22
13...	1050	.00	30	6.6	49	5.6	K4000	45	.21
13...	1110	.13	32	6.7	46	3.0	K6000	46	.29
DEC									
18...	1945	.14	58	6.5	30	--	--	117	.26
18...	2115	.28	54	6.4	79	--	--	121	.25
19...	0050	.91	19	6.4	33	--	--	106	<.09
19...	0245	1.0	21	6.1	52	--	--	95	<.09
19...	0355	1.8	17	6.3	74	--	--	148	<.09
19...	0430	1.1	20	6.3	34	--	--	103	.10
19...	0500	.95	25	6.4	30	--	--	123	.13
19...	0800	.30	46	6.5	25	--	--	125	.22
19...	0900	.28	51	6.5	39	--	--	159	.25
JAN , 1982									
25...	1050	.26	60	6.4	120	--	--	174	.30
25...	1100	.51	53	6.6	130	--	--	242	.28
25...	1110	.70	43	6.6	170	--	--	320	.23
25...	1120	.59	37	6.6	160	--	--	286	.18

TABLE 19.--Continued

473542122083001 - 148TH AV SE DET'N BASIN 3 OUTLET @ BELLEVUE, WA.

WATER QUALITY DATA

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
JUN , 1981								
05...	.280	1.50	.74	.190	.030	460	8.6	5.3
05...	.290	1.20	.89	.120	.040	230	6.9	--
05...	.250	.86	.70	.130	.030	250	7.2	3.2
05...	.250	2.00	.86	.320	.020	290	5.6	8.2
05...	.240	1.40	.82	.200	.030	450	5.6	2.6
05...	.230	.36	.26	.070	.030	120	39	1.0
SEP								
21...	.280	1.70	1.2	.230	.030	310	12	6.8
21...	.160	1.10	.94	.110	.030	160	7.1	2.9
21...	.170	1.00	.86	.130	.040	67	--	--
OCT								
05...	.800	2.10	1.6	.160	.080	210	15	3.0
05...	.600	1.60	1.1	.160	.060	370	12	6.1
05...	.380	.85	.76	.060	.040	95	7.7	2.0
27...	.410	1.20	1.1	.100	.070	110	12	2.1
27...	.520	1.40	1.1	.110	.080	300	13	3.9
27...	.490	1.00	1.1	.140	.080	190	19	2.9
NOV								
13...	.190	.95	.52	.080	.010	150	8.8	>8.0
13...	.240	.97	.37	.120	.010	250	14	>7.0
13...	.220	.92	.41	.080	.020	230	13	>7.0
13...	.210	.68	.46	.040	.010	190	7.0	7.8
13...	.210	.55	.51	.040	.010	150	11	6.9
13...	.220	.50	.43	.060	.010	86	9.4	6.6
13...	.220	.88	.46	.080	.010	62	9.7	7.2
DEC								
18...	.110	.57	.48	.150	<.010	14	5.7	1.1
18...	.130	.72	.65	.100	<.010	160	6.7	2.3
19...	.130	.52	.42	.110	<.010	36	4.2	2.2
19...	.110	.61	.38	.090	<.010	50	2.9	1.6
19...	.080	.64	.24	.130	<.010	170	2.7	2.8
19...	.140	.59	.27	.110	<.010	22	2.5	2.2
19...	.120	.34	.49	.110	<.010	12	3.0	1.8
19...	.120	.50	.42	.190	<.010	2	3.8	1.2
19...	.090	.44	.34	.190	<.010	2	4.2	1.8
JAN , 1982								
25...	.280	2.00	.53	.120	.020	420	15	3.8
25...	.290	2.10	.63	.280	.020	470	7.2	6.1
25...	.270	1.00	.64	.180	.020	600	9.7	6.9
25...	.250	1.90	.56	.130	.020	610	6.9	6.3

TABLE 19.--Continued

473542122083001 - 148TH AV SE DET'N BASIN 3 OUTLET @ BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)
JAN , 1982								
25...	1130	.39	34	6.5	130	214	.18	.230
25...	1210	.15	43	6.6	67	117	.22	.150
25...	1255	.12	48	6.5	24	27	.27	.220
25...	1435	.15	56	6.6	14	23	.30	.240
25...	1610	.11	61	6.6	14	21	.34	.230

DATE	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)
JAN , 1982							
25...	.73	.56	.160	.010	520	7.1	5.3
25...	.67	.58	.070	.020	250	4.9	3.4
25...	.62	.59	.130	.040	55	3.8	1.3
25...	.59	.53	.090	.030	20	3.9	.8
25...	.62	.59	.080	.030	9	4.5	.8

TABLE 19.--Continued

473544122083001 - 148TH AV SE DET'N BASIN 5 OUTLET • BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUN , 1981									
05...	1530	.22	52	6.6	100	7.8	K1300	119	.53
05...	1600	.20	52	6.6	77	7.8	K80	65	.39
05...	1655	.22	35	6.6	64	7.0	K1700	49	.29
05...	1840	.27	41	6.8	160	--	--	177	.33
05...	1905	.51	36	6.8	120	--	--	161	.31
05...	2000	.28	24	6.9	52	--	--	45	.21
SEP									
21...	1000	.21	68	6.4	85	11	K1500	65	.17
21...	1125	.31	34	6.5	88	9.9	2200	133	.09
21...	1215	.22	33	6.5	20	4.1	2000	44	.06
OCT									
05...	1340	.15	126	6.8	110	15	3600	52	.95
05...	1410	.24	64	6.9	160	14	4700	202	.38
05...	1515	.22	40	6.8	92	9.7	3800	34	.31
05...	1545	.19	31	6.6	76	8.6	K1500	25	.28
05...	1605	.16	32	6.6	79	8.1	2200	23	.30
05...	1620	.11	36	6.7	94	8.0	2500	31	.28
27...	0825	.18	50	6.9	99	13	2400	66	.34
27...	0855	.22	46	6.9	99	11	2600	63	.28
27...	0945	.16	41	6.7	82	10	K1000	51	.27
27...	1015	.09	45	6.7	89	11	K1200	80	.26
NOV									
13...	0927	.11	60	6.6	88	5.2	K11000	184	.25
13...	0935	.17	44	6.6	72	3.3	K5000	184	.25
13...	0945	.21	42	6.6	87	4.0	K12000	134	.23
13...	0955	.23	35	6.6	67	3.6	5100	84	.26
13...	1015	.23	36	6.6	72	4.9	K12000	69	.24
13...	1050	.19	31	6.6	56	2.7	4800	44	.21
13...	1110	.16	30	6.6	51	3.3	4500	38	.88
DEC									
18...	1945	.11	55	6.7	50	--	--	169	.32
18...	2115	.18	63	6.5	77	--	--	112	.28
18...	2255	.23	48	6.5	100	--	--	285	.19
19...	0100	.87	23	6.5	33	--	--	100	<.10
19...	0401	1.8	16	6.1	41	--	--	123	.10
19...	0600	.76	31	6.0	23	--	--	70	.14
19...	0800	.30	47	6.3	28	--	--	108	.22
19...	1000	.25	60	6.3	24	--	--	157	.32
JAN , 1982									
25...	1050	.16	72	6.7	52	--	--	123	.37

TABLE 19.--Continued

473544122083001 - 148TH AV SE DET'N BASIN 5 OUTLET @ BELLEVUE, WA.

WATER QUALITY DATA

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)
JUN , 1981								
05...	.290	1.40	.98	.160	.020	450	10	4.9
05...	.310	1.20	.79	.150	.030	300	10	2.5
05...	.250	1.00	.74	.120	.030	210	7.7	2.2
05...	.270	2.00	.96	.250	.030	580	7.3	5.2
05...	.270	1.80	.63	.240	.030	530	9.8	4.8
05...	.230	1.10	.78	.130	.040	220	6.8	2.6
SEP								
21...	.260	1.60	1.1	.160	.030	180	11	--
21...	.200	1.50	.77	.210	.030	260	12	3.5
21...	.210	1.10	.93	.140	.030	120	10	2.5
OCT								
05...	.410	1.40	1.0	.100	.050	190	15	2.3
05...	.610	1.50	1.1	.090	.060	460	13	5.4
05...	.480	1.30	.97	.080	.050	160	9.9	2.1
05...	.370	.84	.63	.050	.050	89	8.9	1.3
05...	.360	.97	.81	.070	.040	94	8.4	1.3
05...	.340	1.50	.64	.060	.010	220	7.9	2.4
27...	.450	1.10	1.2	.170	.080	220	14	3.1
27...	.470	1.10	1.2	.160	.070	200	12	3.5
27...	.500	1.10	1.0	.100	.060	180	11	2.4
27...	.410	.90	.91	.090	.060	230	11	3.4
NOV								
13...	.200	1.10	.48	.080	.010	330	9.4	>8.0
13...	.220	.80	.50	.100	.010	--	--	--
13...	.200	1.00	.55	.070	.010	220	8.7	>6.0
13...	.230	1.10	.53	.050	.010	180	8.7	3.5
13...	.200	.77	.51	.080	.030	160	8.7	>8.0
13...	.220	.71	.46	.070	.020	130	14	>8.0
13...	.150	.56	.41	.050	.020	96	19	6.2
DEC								
18...	.120	.68	.57	.140	<.010	74	5.4	1.7
18...	.090	.70	.45	.070	<.010	150	8.7	2.4
18...	.100	.88	.59	.140	.030	200	5.1	6.5
19...	.120	.59	.45	.080	.030	40	3.1	2.0
19...	.080	.55	.42	.110	.030	95	2.2	2.4
19...	.100	.23	<.21	.090	.030	10	3.2	1.6
19...	.100	.55	.55	.190	.030	2	3.3	1.3
19...	.080	.55	.61	.140	.020	4	3.9	1.3
JAN , 1982								
25...	.280	1.50	.92	.170	.020	190	5.7	3.7

TABLE 19.--Continued

473544122083001 - 148TH AV SE DET'N BASIN 5 OUTLET @ BELLEVUE, WA.

WATER QUALITY DATA

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
JAN • 1982							
25...	2.10	.68	.200	.020	740	6.4	<7.9
25...	2.00	.87	.130	.020	470	6.7	6.7
25...	.77	.66	.060	.020	210	4.9	2.9
25...	.63	.85	.080	.030	50	3.3	--
25...	.71	.61	.090	.050	100	3.9	1.8

TABLE 19.--Continued

473544122083001 - 148TH AV SE DET'N BASIN 5 OUTLET @ BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)
JAN • 1982								
25...	1110	.22	54	6.7	190	527	.27	.320
25...	1130	.27	56	6.6	120	193	.29	.260
25...	1255	.22	49	6.5	58	104	.27	.210
25...	1435	.15	67	6.5	21	40	.38	.200
25...	1600	.11	71	6.6	24	74	.40	.250

TABLE 20.--Concentrations of major anions and cations in storm runoff

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
OCT , 1979									
24...	0835	.68	27	6.8	10	4	3.3	.4	1.6
24...	1125	.51	22	6.6	--	--	--	--	--
DEC									
01...	1225	1.2	32	6.9	10	0	3.3	.4	1.8
01...	1830	2.2	22	6.5	8	1	2.6	.4	1.1
02...	0200	.48	82	6.8	27	10	8.6	1.4	3.1
FEB , 1980									
26...	0515	.42	60	6.7	22	6	7.0	1.1	2.6
27...	0435	.45	95	6.8	33	10	10	2.0	4.4
MAR									
12...	1455	.65	59	6.9	20	8	6.2	1.1	2.2
20...	0025	.84	32	6.8	10	2	3.4	.3	1.1
APR									
18...	2125	.26	132	6.9	44	19	14	2.1	5.1
AUG									
17...	2250	.51	65	6.1	--	--	--	--	--
JUN , 1981									
05...	1620	1.4	--	--	--	--	--	--	--
DEC									
03...	1540	.56	136	--	--	--	--	--	--
03...	1550	.74	129	--	--	--	--	--	--
03...	1610	.42	120	--	--	--	--	--	--
03...	1640	1.8	77	--	--	--	--	--	--
03...	1700	1.0	68	--	--	--	--	--	--
03...	1720	.51	75	--	--	--	--	--	--
03...	2240	.62	83	6.7	--	--	--	--	--

TABLE 20. --Continued

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	PERCENT SODIUM	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)
OCT , 1979									
24...	24	.9	6	8.6	1.5	.1	1.7	24	22
24...	--	--	--	--	1.2	--	--	--	--
DEC									
01...	26	.9	10	5.7	1.5	.2	1.5	23	22
01...	21	.7	7	3.6	1.3	.1	1.4	24	16
02...	19	1.8	17	12	3.6	.2	5.2	61	50
FEB , 1980									
26...	20	.9	16	5.4	4.5	.1	4.6	43	36
27...	21	1.6	23	12	2.8	.1	8.2	77	58
MAR									
12...	19	.8	12	10	2.5	.1	4.1	48	36
20...	19	.6	8	3.3	.8	.1	1.8	17	17
APR									
18...	19	3.4	25	27	3.8	.1	6.0	100	77
AUG									
17...	--	--	--	--	3.8	--	--	71	--
JUN , 1981									
05...	--	--	--	--	67	--	--	--	--
DEC									
03...	--	--	--	--	19	--	--	--	--
03...	--	--	--	--	19	--	--	--	--
03...	--	--	--	--	51	--	--	--	--
03...	--	--	--	--	14	--	--	--	--
03...	--	--	--	--	6.0	--	--	--	--
03...	--	--	--	--	9.0	--	--	--	--
03...	--	--	--	--	52	--	--	--	--

TABLE 20.--Continued

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM
OCT , 1979										
24...	0854	1.3	17	6.0	--	--	--	--	--	--
DEC										
01...	1240	--	24	6.6	7	0	2.3	.3	1.4	28
01...	2025	--	26	6.4	8	0	2.7	.4	.9	17
02...	0145	--	79	6.5	27	15	8.2	1.5	2.3	15
FEB , 1980										
25...	1900	.32	36	6.9	14	3	5.0	.4	2.0	23
27...	0045	.24	72	7.2	34	18	11	1.5	2.2	12
MAR										
12...	1515	.57	42	--	15	8	5.0	.6	2.0	22
APR										
18...	2155	.18	113	6.6	39	18	13	1.5	3.5	16
MAY										
20...	2050	.05	86	--	24	24	7.9	1.1	1.9	14
JUL										
04...	0210	.09	1480	6.5	170	150	34	20	210	72
AUG , 1981										
29...	2335	.11	172	6.3	48	--	16	2.0	6.7	21
DEC										
03...	1545	.29	106	--	--	--	--	--	--	--
03...	1605	.49	105	--	--	--	--	--	--	--
03...	1625	.29	102	--	--	--	--	--	--	--
03...	1645	2.7	81	--	--	--	--	--	--	--
03...	1735	.41	78	--	--	--	--	--	--	--
03...	2315	.06	108	6.8	--	--	--	--	--	--

TABLE 20.--Continued

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)
OCT , 1979									
24...	--	--	--	--	.9	--	--	--	--
DEC									
01...	.7	7	--	3.0	1.3	.1	1.0	--	15
01...	.7	8	--	3.3	1.0	.1	1.3	33	16
02...	2.2	12	--	12	3.4	.2	3.3	58	44
FEB , 1980									
25...	.6	11	--	2.6	3.1	.1	2.3	28	23
27...	1.3	16	--	9.4	3.9	.1	4.9	67	44
MAR									
12...	.6	7	--	5.0	1.7	.1	2.5	41	22
APR									
18...	2.1	21	--	20	3.7	.2	.1	94	57
MAY									
20...	1.7	0	--	12	8.8	.1	3.8	71	37
JUL									
04...	11	16	--	61	380	.4	5.4	788	737
AUG , 1981									
29...	5.0	--	13	37	7.0	.4	3.5	--	96
DEC									
03...	--	--	--	--	13	--	--	--	--
03...	--	--	--	--	15	--	--	--	--
03...	--	--	--	--	16	--	--	--	--
03...	--	--	--	--	15	--	--	--	--
03...	--	--	--	--	18	--	--	--	--
03...	--	--	--	--	27	--	--	--	--

TABLE 20.--Continued

12119730 - 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA

WATER QUALITY DATA

DATE	PERCENT SODIUM	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)
DEC , 1979									
13...	35	.7	12	4.7	8.3	.1	2.5	38	<36
JAN , 1980									
31...	36	1.1	15	9.7	8.5	.1	2.3	71	50
MAR									
19...	17	1.0	18	8.4	2.0	.1	4.4	58	42
19...	--	--	--	--	--	--	15	48	--
APR									
19...	14	.6	8	3.4	1.5	.2	.1	32	16
MAY									
20...	12	2.5	0	18	28	.1	4.8	129	74
JAN , 1981									
17...	27	2.0	--	30	12	.2	6.5	131	111
21...	--	--	--	--	.9	--	--	--	--

TABLE 20.--Continued

12119730 - 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
DEC , 1979									
13...	1240	.56	65	6.8	19	7	6.5	.6	4.2
JAN , 1980									
31...	1825	.39	97	6.7	25	10	8.8	.7	6.7
MAR									
19...	2345	.11	75	6.9	27	9	9.0	1.1	2.6
19...	2400	.17	56	7.0	--	--	--	--	--
APR									
19...	1015	.75	36	6.6	13	5	4.4	.4	1.0
MAY									
20...	1850	.08	278	3.4	44	44	16	1.1	3.1
JAN , 1981									
17...	1205	.37	206	7.4	64	31	22	2.1	11
21...	0145	.56	39	7.2	--	--	--	--	--

TABLE 21.--Ultimate and 5-day carbonaceous biochemical-oxygen demand exerted by storm runoff

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON-ACEOUS (MG/L)
OCT , 1979						
24...	0830	.74	30	35	17	28
24...	0855	.65	25	40	16	36
24...	0935	.48	26	20	9.6	25
24...	1010	.71	24	16	8.1	25
24...	1050	.77	18	30	7.6	20
24...	1120	.59	22	22	9.1	23
24...	1320	.62	25	24	8.5	16
24...	1405	.93	21	34	8.2	21
24...	1520	.54	31	20	4.9	8.2
MAR , 1980						
12...	1450	.51	72	55	8.7	18
12...	1500	.65	56	44	7.2	15
12...	1525	.71	38	51	8.9	20
12...	1605	.71	33	41	6.1	8.4
12...	1645	.32	49	27	6.5	12
12...	1955	.93	41	102	4.9	12
12...	2010	.99	30	64	6.0	25
12...	2020	.68	34	83	4.6	14
12...	2105	2.3	40	223	8.0	14
12...	2120	.99	43	229	8.8	23
12...	2140	.56	53	62	5.4	11
19...	2110	.45	76	54	7.8	11
19...	2335	.88	54	61	3.4	6.8
20...	0005	1.1	33	38	3.8	6.1
20...	0035	1.1	32	24	2.8	4.8
20...	0115	1.1	26	34	1.9	4.5
20...	0155	.84	36	12	2.7	4.8
20...	0225	.53	49	7	3.0	4.8
20...	0320	.30	58	7	2.8	4.0
APR						
05...	0130	.71	70	93	16	29
05...	0140	.77	54	80	14	33
05...	0150	.71	47	59	12	30
05...	0200	.51	44	40	9.0	21
05...	0245	.30	46	20	8.6	21
05...	0330	.08	72	9	4.9	9.8
MAY						
20...	1145	.25	113	60	16	32
20...	1210	.16	115	33	15	24
20...	1235	.11	119	36	36	99

TABLE 21.--Continued

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON-ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C
MAY , 1980							
20...	1300	.22	103	42	16	32	--
20...	1335	.13	113	30	18	33	--
JUL							
04...	0240	.19	120	57	9.4	19	--
04...	0340	.22	74	40	15	35	--
04...	0440	.13	66	14	11	29	--
04...	0455	.13	66	12	10	27	--
04...	0555	.09	104	6	8.7	24	--
OCT							
12...	1545	.37	52	46	11	22	.14
12...	1605	.42	53	30	9.0	--	--
12...	1625	.16	53	21	7.5	17	.11
12...	1650	.46	44	39	7.1	17	.11
12...	1710	.19	44	26	6.3	--	--
31...	1335	1.3	34	51	10	--	--
31...	1350	.68	33	33	9.4	--	--
NOV							
01...	0050	1.2	34	10	3.3	--	--
01...	0055	1.5	32	36	3.9	--	--
01...	0215	.80	36	17	3.3	--	--
01...	0230	1.1	29	15	3.1	--	--
01...	0245	.46	30	14	3.2	--	--
01...	0305	.37	37	11	2.8	--	--
FEB , 1981							
11...	1205	.46	52	150	12	--	--
11...	1445	.22	56	47	9.9	--	--
11...	1645	.13	61	34	5.4	--	--
11...	1705	.33	51	58	6.2	--	--
11...	1715	.68	40	118	6.1	--	--
11...	1725	.74	37	124	4.8	--	--
11...	1735	.33	36	126	3.5	--	--
11...	1750	.33	41	96	5.8	--	--
11...	2200	.46	32	18	.0	--	--
11...	2220	1.4	24	49	2.3	--	--
11...	2250	1.4	20	--	1.6	--	--
11...	2310	2.2	19	120	2.1	--	--
11...	2325	2.7	16	252	3.8	--	--
12...	0420	.51	42	--	1.8	--	--
18...	2030	1.9	28	100	5.6	--	--
18...	2050	1.5	26	98	4.3	--	--

TABLE 21.--Continued

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON-ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C
MAR , 1981							
24...	2135	.62	65	53	7.4	--	--
24...	2255	.80	29	32	5.5	10	.16
25...	0025	.51	30	17	2.2	--	--
JUN							
05...	1440	1.9	44	184	14	--	--
05...	1455	1.5	36	107	13	--	--
05...	1520	1.4	35	58	13	--	--
05...	1630	1.4	32	32	8.4	--	--
SEP							
20...	1905	1.9	34	390	8.8	--	--
20...	1915	2.4	27	137	6.7	--	--
20...	1925	1.4	25	80	3.7	--	--
20...	1945	.37	35	36	4.0	--	--
JAN , 1982							
15...	1305	1.4	29	84	4.6	--	--
15...	1425	1.1	31	48	3.8	--	--
15...	1525	1.3	27	72	3.2	--	--
15...	1655	.94	32	50	2.9	--	--
15...	2055	.46	48	12	3.3	--	--
15...	2255	.62	33	23	3.2	--	--
15...	2400	.68	41	9	1.5	--	--
16...	0245	1.9	22	67	2.2	--	--
16...	0600	.46	76	7	3.0	--	--
16...	1100	.25	107	5	1.8	--	--
16...	1255	.68	57	15	2.4	--	--
16...	1515	1.2	40	31	3.3	--	--
16...	1630	.37	78	12	2.4	--	--

TABLE 21.--Continued

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON-ACEOUS (MG/L)
OCT , 1979						
24...	0755	.68	57	38	22	38
24...	0825	1.2	22	56	16	40
24...	0855	1.3	17	45	5.7	14
24...	1010	.79	24	27	5.4	14
24...	1050	1.2	22	26	7.1	18
24...	1120	.85	25	29	5.2	19
24...	1200	.40	35	30	11	27
24...	1325	.79	25	27	6.5	16
24...	1355	4.3	16	93	9.0	26
24...	1455	5.0	20	41	9.8	29
24...	1540	1.1	36	--	7.2	12
MAR , 1980						
12...	1505	.41	57	40	8.3	15
12...	1540	.70	28	36	7.9	17
12...	1605	.92	23	40	7.2	8.8
12...	2005	3.1	22	176	8.3	19
12...	2015	1.9	18	86	4.2	11
12...	2035	.49	26	27	4.2	6.3
12...	2055	.26	39	14	3.5	11
12...	2115	.86	58	18	5.1	9.5
19...	2040	.22	102	20	6.8	13
19...	2105	.26	76	15	7.8	10
19...	2120	.18	68	--	6.6	12
19...	2140	.10	72	11	5.2	12
19...	2355	1.3	29	33	2.9	6.4
20...	0025	1.6	22	29	3.1	5.0
20...	0105	1.9	20	30	2.8	4.1
20...	0245	1.1	29	8	2.5	3.5
20...	0345	.26	49	5	3.1	4.3
APR						
05...	0115	.20	100	--	28	51
05...	0130	.26	79	30	16	37
05...	0140	.57	59	43	29	65
05...	0150	.57	47	32	23	44
05...	0205	.32	43	14	16	31
05...	0220	.29	43	11	10	18
05...	0305	.12	46	5	4.0	9.0
MAY						
20...	1140	.18	102	166	15	31
20...	1200	.11	90	38	18	34

TABLE 21--Continued

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON-ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C
MAY , 1980							
20...	1235	.07	89	30	16	32	--
20...	1255	.16	79	33	22	38	--
20...	1330	.06	81	16	16	24	--
20...	1940	.18	72	23	17	32	--
20...	2010	.10	71	13	15	30	--
20...	2040	.06	71	8	3.3	24	--
JUL							
04...	0220	.10	480	83	33	77	--
04...	0310	.05	165	18	19	57	--
04...	0355	.49	75	28	12	30	--
04...	0425	.18	44	11	9.0	23	--
OCT							
12...	1555	1.1	33	--	14	28	.14
12...	1605	.80	30	40	11	--	--
12...	1620	.35	30	23	7.8	--	--
12...	1635	.24	30	16	6.7	14	.13
12...	1655	.61	31	28	6.5	--	--
12...	1705	.53	30	24	5.9	14	.11
31...	1330	.41	35	27	12	--	--
31...	1340	2.1	31	72	15	--	--
31...	1415	.61	27	38	5.9	--	--
NOV							
01...	0135	.70	27	39	1.7	--	--
01...	0205	.32	35	28	1.8	--	--
01...	0220	1.2	28	23	2.1	--	--
01...	0230	1.3	23	16	2.4	--	--
01...	0250	.57	26	10	2.2	--	--
01...	0310	.26	31	11	1.9	--	--
FEB , 1981							
11...	1145	.24	67	143	26	--	--
11...	1430	.35	35	62	8.5	--	--
11...	1650	.32	37	31	8.5	--	--
11...	1705	.49	32	81	8.5	--	--
11...	1715	1.1	26	200	11	--	--
11...	1725	1.1	23	147	6.8	--	--
11...	1735	.65	24	89	5.8	--	--
11...	1745	.38	26	62	5.7	--	--
11...	1805	.22	30	42	7.4	--	--
11...	2155	.53	27	29	2.3	--	--
11...	2225	2.8	18	115	4.4	--	--

TABLE 21.--Continued

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON-ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C
FEB , 1981							
11...	2250	2.4	18	--	2.1	--	--
11...	2310	3.6	15	101	2.9	--	--
11...	2325	5.2	13	269	4.5	--	--
11...	2335	4.6	13	--	.5	--	--
11...	2350	2.7	18	68	.0	--	--
12...	0005	3.3	17	80	1.6	--	--
12...	0020	2.7	17	54	.0	--	--
12...	0040	1.2	25	28	.0	--	--
12...	0345	.32	55	15	1.6	--	--
18...	2045	2.7	17	105	3.4	--	--
18...	2105	.80	26	38	3.2	--	--
MAR							
24...	2200	.49	53	48	16	47	.09
24...	2300	.92	28	32	4.4	--	--
25...	0020	1.0	25	47	3.6	--	--
25...	0100	.20	35	23	2.7	--	--
JUN							
05...	1445	3.6	32	--	12	--	--
05...	1455	2.3	28	81	9.2	--	--
05...	1510	2.0	29	60	7.6	--	--
05...	1525	1.5	34	--	7.5	--	--
05...	1555	1.2	38	44	6.2	--	--
05...	1625	1.9	33	41	5.1	--	--
05...	1705	.35	45	22	4.2	--	--
SEP							
20...	1915	5.0	21	97	5.2	--	--
20...	1925	2.3	25	41	4.5	--	--
20...	1935	1.0	30	34	3.0	--	--
20...	1955	.26	38	24	2.8	--	--
JAN , 1982							
15...	1240	1.9	24	45	2.0	--	--
15...	1340	2.3	20	43	2.4	--	--
15...	1420	1.5	24	30	1.3	--	--
15...	1520	2.3	21	51	1.8	--	--
15...	1620	2.3	20	49	1.9	--	--
15...	1850	1.1	32	25	1.9	--	--
15...	2120	.41	48	9	1.7	--	--
15...	2300	1.1	29	14	1.7	--	--
16...	0015	--	41	8	1.4	--	--
16...	0215	1.8	24	25	2.3	--	--

TABLE 21.--Continued

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)
JAN , 1982					
16...	0415	3.2	19	29	1.1
16...	0535	.92	44	7	1.6
16...	1135	.24	91	6	2.0
16...	1320	.92	44	34	4.6
16...	1540	1.9	23	34	3.0
16...	1640	.45	59	12	2.6

TABLE 21.--Continued

12119730 - 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON-ACEOUS (MG/L)
JAN , 1980						
31...	1820	.37	120	270	35	65
31...	1845	.32	55	174	21	34
31...	1910	.14	45	131	15	24
FEB						
01...	0300	.24	119	31	16	22
01...	0315	.41	64	122	9.0	12
01...	0330	.19	56	52	8.6	13
01...	0535	.19	70	29	8.0	12
01...	0550	.24	58	30	6.8	9.2
01...	0605	.53	50	51	6.2	8.4
01...	0620	.63	39	130	6.3	11
01...	0635	.14	42	75	6.4	9.5
MAR						
19...	2350	.14	66	61	6.3	12
20...	0005	.24	51	62	5.7	12
20...	0020	.19	38	49	4.6	12
20...	0045	.27	41	32	3.0	5.2
20...	0105	.29	38	28	2.5	5.1
20...	0130	.27	41	18	2.4	5.0
20...	0210	.12	56	8	2.6	4.7
20...	0250	.24	63	9	2.1	3.5
MAY						
20...	1315	.08	111	72	35	68
20...	1910	.08	117	71	38	114
20...	1930	.08	112	86	40	115
20...	2000	.08	106	74	34	108
20...	2030	.10	102	68	34	110
JUN						
16...	1600	2.5	73	400	26	38
16...	1610	2.4	77	475	27	39
16...	1625	2.0	68	341	21	31
16...	1640	2.2	60	237	20	31
16...	1655	.89	53	146	14	22
16...	1715	.51	49	196	16	25
16...	1750	1.9	43	129	12	20
16...	1800	1.4	43	127	11	18
16...	1815	.66	44	119	11	20
JUL						
04...	0350	.34	75	69	20	44
04...	0430	.08	64	44	15	33

TABLE 21.--Continued

12119730 - 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)
OCT , 1980					
31...	0620	.51	76	49	20
31...	0715	.48	44	32	13
31...	1350	.61	43	107	12
NOV					
01...	0100	.87	21	45	5.6
01...	0120	.61	21	56	7.4
01...	0140	.17	24	46	4.6
01...	0215	.43	23	25	3.9
01...	0225	.63	22	24	4.2
01...	0235	.53	--	22	3.7
01...	0250	.22	22	22	5.1
JAN , 1981					
20...	2250	.08	122	93	22
20...	2315	.22	88	82	16
20...	2345	.32	76	82	14
21...	0010	.37	65	89	14
21...	0040	.27	57	64	11
21...	0115	.08	49	50	11
21...	0135	.22	44	31	8.7
21...	0150	.70	37	117	9.4
21...	0200	2.2	32	194	8.3
21...	0220	.87	26	204	8.5
21...	0235	.56	26	145	8.4
21...	0255	.29	28	68	5.6
21...	0330	.08	26	29	5.4
FEB					
11...	1350	.10	151	254	31
11...	1500	.08	148	181	24
11...	1700	.08	113	165	17
11...	1715	.27	99	379	17
11...	1725	.29	89	269	16
11...	1740	.22	101	219	17
11...	1755	.08	107	204	11
11...	2115	.48	24	92	5.1
11...	2120	.46	23	--	3.3
11...	2205	.43	26	69	1.9
11...	2230	.82	23	187	.8
11...	2245	.87	20	204	3.4
11...	2315	1.9	19	167	2.4
11...	2325	2.2	16	213	3.1

TABLE 21.--Continued

12119730 - 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEM ULT. CARBON-ACEOUS (MG/L)	DEOXYGE NATION CARBON K1 TO BASE E PER DAY AT 20C
FEB , 1981							
11...	2340	2.1	16	201	2.6	--	--
11...	2355	1.7	15	148	2.8	--	--
12...	0045	.85	16	--	2.2	--	--
12...	0125	.22	18	22	2.6	--	--
12...	0255	.08	32	12	3.2	--	--
18...	2045	.80	51	264	8.4	--	--
19...	2130	.27	41	166	6.7	--	--
MAR							
24...	2300	.43	67	61	11	21	.15
25...	0015	.43	41	65	6.3	--	--
25...	0045	.27	37	30	6.5	--	--
JUN							
05...	1440	.70	78	--	20	--	--
05...	1505	.77	58	--	14	--	--
05...	1540	.58	48	--	10	--	--
05...	1650	.56	36	--	5.3	--	--
SEP							
21...	0935	.56	45	66	7.8	--	--
21...	1005	.46	54	45	7.4	--	--
21...	1035	.56	52	64	8.3	--	--
21...	1055	.80	28	94	6.1	--	--
21...	1115	.60	41	174	12	--	--
21...	1225	.41	37	35	5.0	--	--
OCT							
05...	1325	.08	107	37	20	22	.34
05...	1345	.39	100	44	19	--	--
05...	1405	.72	48	72	8.9	--	--
05...	1435	.41	45	62	9.8	--	--
05...	1455	.51	51	51	12	16	.33
05...	1535	.34	40	32	8.0	--	--
05...	1605	.32	38	26	7.6	--	--
05...	1635	.08	36	20	6.1	11	.25
27...	0820	.53	38	--	13	--	--
27...	0840	.53	29	--	7.8	--	--
27...	0910	.41	37	--	10	--	--
27...	1010	.19	43	--	11	--	--
NOV							

TABLE 21.--Continued

473542122083001 - 148TH AV SE DET'N BASIN 3 OUTLET @ BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)
JUN , 1981					
05...	1520	.08	44	143	8.1
05...	1605	.42	42	56	9.2
05...	1700	.12	34	50	7.1
SEP					
21...	0955	.31	58	122	6.4
21...	1120	.28	28	46	3.7
OCT					
05...	1330	.15	102	64	16
05...	1405	.81	58	146	14
05...	1505	.09	30	29	7.2
27...	0815	.37	48	20	12
27...	0835	.43	46	99	11
27...	0905	.12	38	55	9.3
NOV					
13...	0927	.25	46	40	3.5
13...	0935	.54	38	105	4.5
13...	0945	.52	30	107	6.7
13...	0955	.37	29	64	3.2
13...	1015	.23	29	58	4.1
13...	1050	.00	30	45	5.6
13...	1110	.13	32	46	3.0

TABLE 21.--Continued

473544122083001 - 148TH AV SE DET'N BASIN 5 OUTLET • BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)
JUN , 1981					
05...	1530	.22	52	119	7.8
05...	1600	.20	52	65	7.8
05...	1655	.22	35	49	7.0
SEP					
21...	1000	.21	68	65	11
21...	1125	.31	34	133	9.9
21...	1215	.22	33	44	4.1
OCT					
05...	1340	.15	126	52	15
05...	1410	.24	64	202	14
05...	1515	.22	40	34	9.7
05...	1545	.19	31	25	8.6
05...	1605	.16	32	23	8.1
05...	1620	.11	36	31	8.0
27...	0825	.18	50	66	13
27...	0855	.22	46	63	11
27...	0945	.16	41	51	10
27...	1015	.09	45	80	11
NOV					
13...	0927	.11	60	184	5.2
13...	0935	.17	44	184	3.3
13...	0945	.21	42	134	4.0
13...	0955	.23	35	84	3.6
13...	1015	.23	36	69	4.9
13...	1050	.19	31	44	2.7
13...	1110	.16	30	38	3.3

TABLE 22.--Oil and grease concentration in storm runoff

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)
OCT, 1979			
24...	1100	.77	1
DEC			
01...	1904	1.7	1
FEB, 1980			
25...	1616	.39	2
MAR			
12...	2107	2.1	5

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)
OCT, 1979			
24...	0834	1.3	0
DEC			
01...	1530	--	2
FEB, 1980			
25...	1515	.45	3
MAR			
12...	1506	.41	5
20...	0125	1.7	1
MAY			
20...	1215	.07	4
OCT			
12...	1650	.45	5

12119730 - 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE, WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)
JAN , 1980			
31...	1905	.27	5
MAR			
20...	0055	.27	2
MAY			
20...	1312	.08	10
JUL			
04...	0405	.19	8
OCT			
31...	0730	.19	1

473542122083001 - 148TH AV SE DET'N BASIN 3 OUTLET @ BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)
JUN , 1981			
05...	1520	.08	7

473544122083001 - 148TH AV SE DET'N BASIN 5 OUTLET @ BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)
JUN , 1981			
05...	1530	.22	6
SEP			
21...	0945	--	2

TABLE 23.--Insecticide and herbicide concentrations in storm runoff

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)
OCT , 1979										
24...	1104	.83	--	--	--	--	--	--	--	--
DEC										
01...	1907	1.7	.00	.00	.00	.00	.00	.00	.00	.00
FEB , 1980										
25...	1623	.34	.00	.00	.00	.00	.00	.03	.04	.00
MAR										
12...	2108	1.9	.00	.00	.01	.01	.00	.02	.00	.00

DATE	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MIREX, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR, TOTAL (UG/L)	PCB, TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)
OCT , 1979									
24...	--	--	--	--	--	--	--	--	--
DEC									
01...	.00	.00	.01	.00	.00	--	.00	0	.00
FEB , 1980									
25...	.00	.00	.01	.00	.00	.00	.00	0	.10
MAR									
12...	.00	.00	.03	.00	.00	.00	.00	0	.00

DATE	ETHION, TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)
OCT , 1979									
24...	--	--	--	--	--	--	.00	.00	.00
DEC									
01...	.00	.06	.00	.00	.00	.00	.02	.01	.00
FEB , 1980									
25...	.00	.14	.00	.00	.00	.00	.03	.00	.01
MAR									
12...	.00	.00	.00	.00	.00	.00	.02	.00	.00

TABLE 23.--Continued

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)
OCT . 1979											
24...	0838	1.2	--	--	--	.10	--	--	.01	.01	--
DEC											
01...	1640	--	--	--	.00	.00	.00	.00	.01	.00	.00
FEB . 1980											
25...	1509	.41	--	--	.00	.00	.00	.00	.00	.02	.08
MAR											
12...	1509	.49	--	--	.00	.00	.00	.00	.00	.02	.00
20...	0127	1.7	--	--	.00	.00	.00	.00	.00	.01	.02
MAY											
20...	1218	.07	--	--	.00	.00	.00	.00	.00	.00	.00
OCT											
12...	1650	.45	31	22	.01	.00	.00	.00	.00	.03	.00

DATE	ENDRIN, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MIREX, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	PCB, TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)
OCT . 1979											
24...	--	--	--	.02	--	--	--	--	.10	--	.07
DEC											
01...	.00	.00	.00	.01	.00	.00	--	--	.00	0	.00
FEB . 1980											
25...	.00	.00	.01	.01	.00	.00	.00	--	.00	0	.17
MAR											
12...	.00	.00	.01	.02	.00	.00	.00	--	.00	0	.00
20...	.00	.00	.00	.01	.00	.00	.00	--	.00	0	.02
MAY											
20...	.00	.00	.00	.06	.00	.00	.00	--	.00	0	2.3
OCT											
12...	.00	.00	.00	.01	.00	.00	.00	.00	.00	0	.68

TABLE 23.--Continued

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	ETHION, TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)
OCT, 1979										
24...	--	.09	--	--	--	--	.06	--	.01	.01
DEC										
01...	.00	.04	.00	.00	.00	.00	.02	--	.01	.00
FEB, 1980										
25...	.00	.06	.00	.00	.00	.00	.06	--	.03	.02
MAR										
12...	.00	.05	.00	.00	.00	.00	.01	--	.00	.00
20...	.00	.00	.00	.00	.00	.00	.00	--	.00	.00
MAY										
20...	.00	.00	.00	.00	.12	.00	3.3	--	.40	.03
OCT										
12...	.00	4.1	.00	.00	.00	.00	.00	.00	.08	.00

12119730 - 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA

WATER QUALITY DATA

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)
JAN, 1980											
31...	1900	.29	--	.00	.00	.00	.00	.00	.00	.00	.00
MAR											
20...	0052	.27	--	.00	.00	.00	.00	.00	.00	.01	.00
MAY											
20...	1311	.08	--	.00	.00	.00	.00	.00	.00	.01	.00
JUL											
04...	0410	.19	--	.00	.00	.00	.00	.00	.00	.00	.00
OCT											
31...	0735	.22	47	.00	.00	.00	.00	.00	.00	.00	.00

TABLE 23.--Continued

12119730 - 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA

WATER QUALITY DATA

DATE	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MIREX, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	PCB, TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)
JAN , 1980 31...	.00	.00	.01	.00	.00	.00	--	.00	0	.00
MAR 20...	.00	.00	.00	.00	.00	.00	--	.00	0	.00
MAY 20...	.00	.00	.01	.00	.00	.00	--	.00	0	.08
JUL 04...	.00	.00	.01	.00	.00	.00	--	.00	0	.13
OCT 31...	.00	.00	.01	.00	.00	.00	.00	.00	0	.00

DATE	ETHION, TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)
JAN , 1980 31...	.00	.16	.00	.00	.00	.00	.00	--	.00	.00
MAR 20...	.00	.00	.00	.00	.00	.00	.00	--	.00	.00
MAY 20...	.00	.15	.00	.00	.00	.00	.19	--	.00	.07
JUL 04...	.00	.06	.00	.00	.00	.00	.49	--	.00	.00
OCT 31...	.00	1.9	.00	.00	.00	.00	.00	.00	.00	.00

TABLE 24.--Trace-element concentrations in storm runoff

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)
APR , 1980									
05...	0130	.71	70	93	9	1	16	16	9

12119730 - 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)
APR , 1980									
19...	1000	.60	44	36	3	1	0	13	4

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)
APR , 1980								
05...	0115	.20	100	5	1	14	60	13

TABLE 25.--Total recoverable and dissolved lead concentrations in storm runoff

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
MAY , 1980						
20...	1140	.19	125	68	23	200
20...	1205	.11	115	39	51	170
20...	1230	.16	121	33	45	150
20...	1255	.22	107	43	31	160
20...	1330	.16	113	27	64	110

12119730 - 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
MAY , 1980					
20...	1920	.08	115	100	470
20...	1950	.08	108	78	490
20...	2020	.10	101	90	450

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
MAY , 1980						
20...	1135	.12	107	148	44	570
20...	1155	.14	89	54	64	300
20...	1230	.07	89	24	54	200
20...	1250	.16	81	34	64	320
20...	1325	.07	80	13	54	160
20...	1930	.18	78	13	63	130
20...	2000	.12	68	12	58	200
20...	2040	.06	71	8	46	130

TABLE 26.--Semiquantitative determinations of dissolved inorganic constituents in storm runoff. Analyses were done using inductively coupled plasma spectroscopy and all values are in micrograms per liter unless otherwise indicated. Results are semiquantitative and should not be used for interpretative purposes

Date	Time	Discharge (ft^3/s)	Specific conductance (umhos/cm)	Aluminum	Antimony	Barium	Beryllium	Bismuth	Boron	Cadmium	Chromium	Cobalt	Copper	Gallium	Germanium	Iron
				12120005 - Surrey Downs storm sewer outfall at Bellevue, Wash.												
02-25-80	1445	0.59	64	70	<30	10	<1	<1000	10	3	<50	<5	<10	<30	<30	70
03-12-80	1445	.65	81	100	<30	10	<1	<1000	10	<1	<50	<5	<10	<30	<30	100
03-19-80	2325	.62	70	<50	<30	10	<1	<1000	10	3	<50	<5	<10	<30	<30	100
08-17-80	2120	.33	90	<50	<30	30	<1	<1000	30	<1	<50	<5	10	<30	<30	300
01-17-81	1125	.62	85	<50	0	10	<1	<1000	<5	<1	<50	<5	10	<30	<30	70
02-19-81	0320	5.9	17	<50	<30	10	<1	<1000	<5	<1	<50	5	<10	<30	<30	30
				12119725 - Lake Hills storm sewer outfall at Bellevue, Wash.												
12-01-79	1240	--	24	100	<30	3	<1	<1000	5	1000	<50	<5	10	<30	<30	50
02-25-80	1445	.32	81	1000	300	30	1	<1000	70	7	500	50	100	700	700	100
03-12-80	1500	.32	68	100	<30	30	<1	<1000	10	<1	<50	<5	10	<30	<30	70
08-17-80	2115	6.8	59	100	<30	30	<1	<1000	30	<1	<50	<5	10	<30	<30	100
01-17-81	1145	.38	112	<50	<30	30	<1	<1000	<5	<1	<50	<5	30	<30	<30	70
02-19-81	0310	11	17	50	<30	10	<1	<1000	<5	<1	<50	<5	<10	<30	<30	30
				12119730 - 148th Avenue S.E. storm sewer below Lake Hills Boulevard at Bellevue, Wash.												
12-13-79	1240	.56	65	300	50	10	<1	<1000	10	3000	<50	<5	<10	30	30	70
01-31-80	1825	.39	97	<50	<30	30	<1	<1000	50	<1	<50	<5	<10	<30	<30	70
03-19-80	2400	.17	56	<50	<30	10	<1	<1000	10	<1	<50	<5	<10	<30	<30	30
05-20-80	1920	.08	115	100	<30	30	<1	<1000	50	1	<50	<5	30	<30	<30	300
06-16-80	1555	2.0	81	300	<30	30	<1	<1000	30	3	<50	7	30	50	30	500
01-17-81	1145	.05	221	<50	<30	70	<1	<1000	50	5	<50	<5	10	<30	<30	5

Lead	Lithium	Manganese	Molybdenum	Nickel	Silver	Strontium	Tin	Titanium	Vanadium	Zinc	Zirconium
					12120005--Continued						
<30	<10	50	30	<50	<10	30	<50	<5	<10	10	<5
30	<10	70	50	<50	<10	50	<50	<5	<10	30	<5
30	<10	50	50	<50	<10	50	<50	<5	<10	50	<5
30	<10	100	<10	<50	<10	50	<50	<5	<10	70	<5
50	<10	70	<10	<50	<10	70	<50	7	<10	30	<5
<30	<10	7	<10	<50	<10	10	<50	<5	<10	10	<5
					12119725--Continued						
<30	<10	<1	<10	<50	<10	10	<50	<5	<10	30	<5
300	50	50	100	700	100	70	1000	30	70	70	50
30	<10	30	30	<50	<10	50	<50	<5	<10	70	<5
50	<10	100	<10	<50	<10	100	<50	<5	<10	70	<5
50	<10	100	<10	<50	<10	70	<50	<5	<10	100	<5
<30	<10	5	<10	<50	<10	10	<50	7	<10	10	<5
					12119730--Continued						
70	<10	30	<10	<50	<10	50	50	<5	<10	50	<5
50	<10	50	<10	<50	<10	70	<50	<5	<10	100	<5
<30	<10	30	50	<50	<10	50	<50	<5	<10	100	<5
100	<10	100	<10	<50	<10	100	<50	7	<10	300	<5
100	<10	100	<10	<50	<10	100	70	<5	<10	300	<5
100	<10	100	<10	<50	<10	300	<50	<5	<10	300	<5

TABLE 27.--Volatile solids (loss-on-ignition) concentrations in storm runoff

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)
MAR , 1980				
12...	2000	.88	111	16
APR				
19...	1110	1.9	247	57
MAY , 1981				
24...	1725	1.4	150	49
24...	1735	1.4	130	41
24...	1755	.87	53	19
24...	1815	.46	38	13
24...	1835	.46	29	10
24...	1855	.74	36	16
24...	1905	.87	25	12
24...	1925	.68	28	12
24...	1945	.29	21	12
24...	2005	.16	22	13
24...	2045	.07	25	15

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)
MAR , 1980				
12...	2020	1.3	85	15
APR				
19...	1020	2.6	108	39
MAY , 1981				
24...	1725	1.1	247	73
24...	1735	3.2	249	74
24...	1745	5.2	211	49
24...	1755	1.9	80	21
24...	1805	.86	66	17
24...	1825	.45	41	15
24...	1845	.45	32	15
24...	1915	.61	36	16
24...	1925	1.3	49	15
24...	1955	.24	42	14

TABLE 27.--Continued

12119730 - 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE, WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)
DEC , 1979				
13...	1245	.66	--	37
MAR , 1980				
12...	2013	.10	269	69
12...	2015	.10	223	44
APR				
19...	1225	.84	84	20
MAY				
20...	1900	.08	184	92
20...	1950	.08	176	82
20...	2030	.10	165	84
MAY , 1981				
24...	1735	1.4	269	77
24...	1745	.80	170	49
24...	1815	.61	132	44
24...	1855	.41	77	29
24...	1915	.63	78	39
24...	1935	.32	50	28
25...	0530	.61	40	18
25...	0540	.63	62	23
25...	0620	.48	27	11

TABLE 28.--Particle-size distributions of sediment in storm runoff

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SED. SUSP. SIEVE DIAM. % FINER THAN 1.00 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT , 1979							
24...	1055	.60	--	--	--	--	9
FEB , 1981							
19...	0250	1.8	--	--	--	--	63
19...	0310	5.3	100	97	89	70	33

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN 1.00 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
MAR , 1980								
12...	1505	.41	40	100	100	92	85	75
FEB , 1981								
19...	0310	11	1080	98	88	76	66	58

12119730 - 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE, WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN 1.00 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
MAR , 1980								
12...	2005	.10	--	100	99	99	98	96
JUL , 1981								
06...	2015	.51	101	--	--	--	--	99
07...	0110	1.8	91	--	--	--	--	79

TABLE 29.--Temperature measurements of storm runoff

12120005 - SURREY DOWNS STORM SEWER OUTFALL AT BELLEVUE, WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE (DEG C)
OCT , 1979			
24...	1050	.77	12.6
24...	1100	.77	12.6
24...	1104	.83	12.6
24...	1125	.51	12.6
24...	1406	.93	13.0
24...	1547	.20	14.0
24...	1555	.18	14.0
24...	1600	.16	14.0
24...	1604	.14	14.0
DEC			
01...	1435	1.3	5.4
01...	1436	1.3	5.4
01...	1900	2.1	5.4
01...	1901	2.0	5.4
01...	1904	1.7	5.4
01...	1907	1.7	5.4
01...	1915	1.6	5.4
FEB , 1980			
25...	1630	.22	10.0
26...	0730	.23	8.8
MAR			
12...	2107	2.1	6.6
12...	2110	1.7	6.6

TABLE 29.--Continued

12119725 - LAKE HILLS STORM SEWER OUTFALL AT BELLEVUE, WA.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE (DEG C)
OCT , 1979			
24...	0830	1.4	12.6
24...	0834	1.3	12.6
24...	0838	1.2	12.6
24...	0854	1.3	12.6
DEC			
01...	1447	--	5.0
01...	1448	--	5.0
01...	1455	--	5.0
01...	1615	--	4.6
01...	1623	--	4.6
01...	2337	--	6.2
01...	2338	--	6.2
01...	2342	--	6.2
FEB , 1980			
25...	1509	.41	9.6
MAR			
20...	0122	1.8	8.2
20...	0127	1.7	8.2
APR			
19...	1035	2.8	14.8
MAY			
20...	2050	.05	8.6

TABLE 29.--Continued

12119730 - 148TH AV STORM SWR BLW LK HILLS BLVD BELLEVUE,WA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE (DEG C)
DEC , 1979			
13...	1245	.66	7.8
13...	1412	.63	6.9
JAN , 1980			
31...	1856	.27	3.0
31...	1900	.29	3.0
31...	1908	.17	2.6
31...	1910	.14	2.6
MAR			
20...	0052	.27	8.0
20...	0057	.27	8.0
MAY			
20...	1311	.08	14.2
20...	1314	.08	14.2
OCT			
31...	0730	.19	11.8
31...	0735	.22	11.8

TABLE 30.--Concentrations of the core constituents in wet-atmospheric deposition. Length of exposure was estimated using rainfall data for the sampling period.

473602122113002 - Surrey Downs wet- and dry-atmospheric deposition collector at Bellevue, Washington

START-ING DATE	END-ING DATE	START-ING TIME (2400 HOURS)	END-ING TIME (2400 HOURS	LENGTH OF EXPO-SURE (DAYS)	PRECIP-ITATION INCHES	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)
790327	790501	1340	708	3	1.8	21	4.9	21	27	--	.56	.268	.43	.36	.022	.012	97	1.4	1.6
790501	790604	708	1000	2	1.1	18	4.6	10	41	--	.21	.000	.12	.08	.120	.130	22	1.5	.5
790604	790705	1000	837	2	1.2	19	4.3	11	32	--	.15	.000	.21	.19	.010	.010	33	2.6	.2
790705	790801	837	841	<1	.20	22	4.3	103	44	--	.24	.120	1.40	.68	.160	.120	2310	12	.8
790801	790905	841	932	3	2.0	17	4.4	3	11	--	.02	.286	.12	.27	.001	.000	13	1.8	.4
790905	791002	932	847	<1	.52	14	4.6	19	--	--	.13	.001	.47	.37	.018	--	19	2.8	.3
791002	791106	847	906	5	3.9	18	4.6	9	--	--	.13	.009	.31	.23	.007	.007	12	1.1	.1
791206	791220	844	952	2	6.3	12	4.7	11	--	--	.08	.033	.28	.02	.007	.000	0	.5	.2
800318	800320	935	300	<1	.23	--	--	--	--	--	.32	.115	.48	--	.009	--	11	--	--
800320	800404	300	750	1	.49	26	4.5	9	--	--	.30	.136	.72	.58	.021	.000	16	1.6	.7
800404	800405	750	900	<1	.10	--	2.8	--	--	--	.40	.308	1.10	--	.025	--	24	--	--
800405	800417	900	1410	1	1.5	13	5.1	4	3	7	.02	--	.88	.63	.002	.000	10	3.3	1.4
800417	800419	1410	1310	<1	.54	40	4.1	6	--	--	.03	--	1.20	.68	.004	.000	--	1.4	.2
800419	800520	1310	740	1	1.1	22	4.3	73	--	5	--	--	1.60	.53	.026	.016	23	1.5	.1
800520	800522	740	1310	<1	.34	32	4.2	21	--	--	--	--	.70	.66	.011	.051	28	3.3	.3
800522	800616	1310	2020	2	3.0	47	4.2	14	11	--	.24	.090	.45	.36	.163	.087	10	2.1	.4
800616	800703	2020	915	1	.79	24	4.4	13	7	5	.26	.091	.72	.50	.014	.004	24	1.7	.2
800703	800704	915	610	<1	.08	8	4.9	--	--	--	.12	.013	.50	--	.020	--	44	--	--
800704	800806	610	820	<1	.54	24	4.4	9	2	21	.29	.126	.62	.53	.028	.003	25	3.1	.2
800806	800818	820	1510	<1	.65	28	4.4	11	--	2	.00	.058	.39	.44	.000	.043	11	2.3	.1
800918	800917	1510	850	1	1.7	17	4.6	10	2	7	2.7	.093	.27	.22	.007	.008	13	2.9	.3
800917	801010	850	820	1	1.1	17	4.5	12	--	2	--	.089	--	.44	--	.001	--	2.7	.4
801010	801012	820	1750	<1	.09	25	4.4	--	--	--	.32	.160	.44	--	.008	--	15	--	--
801012	801031	1750	855	1	.42	28	4.4	5	13	--	.35	.259	.68	--	.018	--	12	3.4	.5
801031	801101	855	905	<1	.59	13	4.9	4	6	--	.06	.089	.96	--	.010	--	6	1.6	.2
801101	801119	905	2230	2	3.5	11	5.5	15	7	4	.05	.051	.31	.25	.006	.002	7	1.1	.3
801119	801208	2230	840	2	5.0	8	4.8	16	--	5	.10	.073	.45	.40	.004	.008	10	2.4	.1
801208	810102	840	905	2	4.7	8	4.8	2	--	5	.06	.037	.61	.14	.004	.002	3	.0	.1
810102	810119	905	730	1	.35	16	4.7	16	--	--	.07	.108	.43	.11	.009	.007	10	1.3	.0
810119	810130	730	740	1	2.0	13	5.6	2	--	0	.16	.079	.22	.23	.004	.000	9	.9	.3
810130	810213	740	1360	1	1.2	8	4.6	6	--	0	.12	.091	.47	.10	.003	.000	35	1.7	.1
810213	810220	1360	725	1	2.2	16	4.6	7	--	3	.06	.061	.60	.23	.005	.002	36	1.0	.1
810220	810324	725	1150	2	2.1	23	4.2	8	--	7	.28	.003	1.10	.52	.002	.001	8	2.9	.3
810324	810423	1150	1730	2	2.4	22	4.5	111	--	5	.05	.045	.57	1.2	.009	.002	15	1.4	.4
810423	810522	1730	830	1	2.3	24	4.2	9	--	2	--	--	1.10	.46	.001	.001	45	3.6	.4
810522	810606	830	700	1	.81	35	4.1	113	--	3	.20	.108	.40	.36	.007	.004	113	2.3	.3
810606	810626	700	930	2	1.5	25	4.2	21	--	1	.02	.070	.60	.63	.001	.000	11	1.7	.3
810626	810701	930	1010	<1	.28	24	4.2	14	--	--	.17	.063	.95	.55	.006	.006	11	2.3	.3
810701	810728	1010	835	1	2.0	24	4.3	23	--	5	.21	.096	.23	.73	.008	.009	12	1.6	.1
810728	810830	835	1040	<1	.07	52	3.9	--	--	--	.38	.270	.63	--	.006	--	45	--	--
810830	810922	1040	730	1	1.6	25	4.1	48	5	0	.16	.116	.52	.33	.021	.016	11	.9	.3
810922	811015	730	1460	2	8.1	9	4.6	18	0	0	.10	.072	.21	.21	.008	.009	4	1.3	.2
811015	811028	1460	740	<1	.79	12	4.2	20	0	3	.08	.155	.62	.58	.012	.012	8	1.3	--
811028	811113	740	750	1	2.0	13	4.3	12	0	3	.10	.134	.29	.27	.003	.002	6	1.8	.8
811113	811130	750	925	1	3.0	12	4.7	26	--	--	.08	.140	.34	.33	.024	.025	10	1.8	.4
811130	811204	925	810	1	.92	27	4.7	24	8	1	.07	.175	.22	<.22	<.001	<.001	4	.9	.1
811204	820111	810	835	3	6.2	16	4.4	<11	3	2	.14	.168	.32	.34	.016	.024	8	1.3	--
820111	820117	835	1000	1	1.2	13	4.6	<9	0	1	.21	.146	.47	.34	.010	.010	10	1.8	.1
820117	820208	1000	825	2	3.5	17	4.5	10	--	4	.14	.113	.30	.21	.010	.001	10	1.5	.3

TABLE 30.--Continued

473632122075700 - St. Louise Parish at Bellevue, Washington

STARTING DATE	ENDING DATE	STARTING TIME (2400 HOURS)	ENDING TIME (2400 HOURS	LENGTH OF EXPOSURE (DAYS)	PRECIPITATION INCHES	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
800616	800616	1400	2000	<1	.34	76	3.8	8	--	--	.23	.107	.39	.44	.042	.063	10	2.4	.1
800616	800703	2000	1000	1	.87	21	4.4	9	2	3	.23	.078	.56	.43	.011	.003	23	1.7	--
800703	800704	1000	715	<1	.10	8	4.8	--	--	--	.13	.041	.19	--	.007	--	20	--	--
800704	800806	715	910	1	.46	52	--	--	--	--	--	--	--	--	--	--	24	--	--
800806	800818	910	1600	<1	.65	15	4.6	7	--	5	.00	.080	.47	.47	.000	.033	20	1.7	.2
800818	800917	1600	940	1	1.7	44	4.0	9	2	5	3.0	.122	.43	.35	.000	.023	13	2.2	.2
800917	801010	940	935	1	1.1	18	4.4	8	0	--	.21	.065	.66	.54	.002	.000	12	2.2	--
801010	801012	935	1840	<1	.13	19	4.6	--	--	--	.30	.104	.68	--	.015	--	11	--	--
801012	801031	1840	920	1	.39	31	4.2	14	16	--	.38	.272	1.50	--	.022	--	14	3.8	.8
801031	801101	920	1100	<1	.61	13	4.8	1	9	3	.06	.097	1.80	--	.009	--	6	2.7	.2
801101	801119	1100	2150	1	3.2	12	5.2	6	6	4	.04	.039	.47	.21	.008	.000	7	1.8	--
801119	801208	2150	1020	2	5.0	8	4.8	20	--	4	.12	.098	.14	.25	.004	.000	6	1.7	.2
801208	810102	1020	1040	2	5.0	8	4.8	11	--	3	.06	.031	.26	.05	.005	.000	3	.0	.0
810102	810119	1040	810	1	.29	15	4.7	--	--	--	.06	.079	.55	.14	.007	.000	7	9.0	.1
810119	810130	810	840	1	2.0	13	5.2	21	--	0	.16	.065	.17	.17	.009	.000	12	1.0	.5
810130	810213	840	1400	1	1.3	14	4.5	9	--	3	.14	.099	.27	.16	.000	.000	26	2.2	.1
810213	810220	1400	810	1	1.9	15	4.5	6	--	3	.06	.079	.26	.26	.005	.002	46	.8	.2
810220	810324	810	1250	2	2.4	22	4.4	8	--	4	.39	.048	.26	.32	.002	.002	12	4.6	.2
810324	810423	1250	1820	3	3.1	20	4.4	111	--	4	.04	.023	.42	.95	.008	.002	20	1.6	.8
810423	810522	1820	925	2	2.4	25	4.2	13	--	1	--	--	.41	.36	.001	.001	46	3.0	.3
810522	810606	925	630	1	1.0	33	4.1	97	--	4	.21	.089	.47	.14	.009	.005	102	1.1	.4
810606	810626	630	1020	1	1.6	26	4.2	12	--	1	.00	.083	.56	.69	.001	.001	6	1.5	.3
810626	810701	1020	1110	<1	.33	24	4.2	9	--	--	.16	.037	.73	.35	.006	.005	11	2.3	.3
810701	810728	1100	1010	1	2.0	26	4.1	--	--	4	.22	.070	.40	.35	.008	.006	11	2.7	.1
810728	810830	1010	1020	<1	.13	50	3.9	--	--	--	.34	.342	.72	--	.020	--	35	--	--
810830	810922	1020	805	1	1.9	24	4.2	54	3	1	.13	.176	.92	.52	.022	.014	45	1.6	.2
810922	811015	805	1420	2	7.9	10	4.4	8	0	0	.11	.075	.27	.31	.009	.010	4	.5	.1
811015	811028	1420	710	<1	.73	11	4.2	18	0	1	.07	.117	.72	.43	.011	.010	6	1.5	.1
811028	811113	710	845	1	2.1	13	4.4	<10	0	1	.09	.075	.23	.28	.001	.001	6	1.8	.3
811113	811130	845	1030	1	2.8	11	4.7	17	--	--	.05	.120	<.21	<.20	.023	.028	5	.7	.3
811130	811204	1030	900	1	.83	24	4.8	25	9	1	.09	.206	.34	.32	<.001	.007	8	1.6	.1
811204	820111	900	930	4	6.4	11	4.6	<11	0	1	.12	.122	.32	.35	.013	.019	2	1.3	.1
820111	820117	930	1030	1	1.2	10	4.6	<9	2	2	.08	.203	.61	.63	<.010	<.010	6	1.2	--
820117	820208	1030	1310	2	3.6	13	4.5	<9	--	1	.10	.087	.34	<.21	.010	.020	5	2.2	.1

TABLE 30.--Continued

473532122082400 - Robinswood School at Bellevue, Washington

START-ING DATE	END-ING DATE	START-ING TIME (2400 HOURS)	END-ING TIME (2400 HOURS	LENGTH OF EXPO-SURE (DAYS)	PRECIP-ITATION INCHES	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)
800516	800616	1330	1930	<1	.36	68	3.8	12	--	--	.24	.116	.40	--	.009	--	15	2.7	.2
800516	800703	1930	940	1	.96	21	4.3	10	1	5	.21	.063	.55	.61	.011	.009	34	2.2	1.1
800703	800704	940	440	<1	.10	8	4.9	--	--	--	.09	.020	.30	--	.008	--	33	--	--
800704	800806	440	850	1	.63	28	4.3	11	--	9	.33	.047	1.10	1.1	.065	.018	23	3.6	.8
800806	800818	850	1530	<1	.62	19	4.5	11	--	2	.00	.048	1.00	.26	.000	.053	11	2.2	.2
800818	800917	1530	910	2	1.9	29	4.2	16	0	5	3.6	.095	.45	.23	.000	.002	11	1.7	.2
800917	801010	910	850	1	1.1	18	4.4	10	1	1	.20	.037	.63	.45	.000	.007	7	1.6	.4
801010	801012	850	1820	<1	.14	20	4.5	--	--	--	.28	.114	.55	--	.003	--	6	--	--
801012	801031	1820	1010	1	.30	32	4.1	6	12	13	.48	.233	.89	--	.023	--	15	4.0	.6
801031	801101	1010	940	<1	.73	36	4.3	1	7	--	.08	.073	.73	--	.012	--	6	2.1	.2
801101	801119	940	2210	1	3.0	11	5.0	13	8	4	.05	.057	.39	.18	.039	.020	7	1.7	.4
801119	801208	2210	940	4	5.2	8	4.8	34	--	3	.04	.053	.27	.24	.002	.000	87	2.7	.1
801208	810102	940	1110	2	3.7	6	4.8	7	--	5	.06	.028	.72	.26	.008	.000	3	.0	.1
810102	810119	1110	755	1	.28	15	4.6	--	--	--	.06	.095	.43	.37	.010	.010	10	7.5	.1
810119	810130	755	820	2	1.7	14	5.4	2	--	3	.17	.065	.21	.15	.009	.000	8	1.2	.2
810130	810213	820	1350	1	1.2	9	4.6	3	--	2	.00	.100	.41	.40	.009	.000	35	1.9	.1
810213	810220	1350	755	1	1.8	16	4.5	38	--	1	.14	.092	.32	.16	.004	.002	27	.8	.1
810220	810324	755	1210	2	2.4	22	4.2	9	--	3	.38	.033	.25	.08	.002	.003	13	2.8	.2
810324	810423	1210	1750	4	3.1	22	4.3	101	--	4	.04	.025	.93	.46	.011	.002	15	1.6	1.0
810423	810522	1750	915	2	2.7	29	4.1	13	--	4	--	--	.43	.61	.001	.001	50	1.7	.4
810522	810606	915	645	1	1.1	31	4.1	7	--	3	.18	.096	.35	.20	.008	.007	132	1.5	.4
810606	810626	645	1000	2	1.6	20	4.4	14	--	2	.04	.095	.77	.74	.001	.000	10	1.9	.4
810526	810701	1000	1040	<1	.43	20	4.2	7	--	--	.13	.037	.75	.45	.019	.019	14	1.9	.2
810701	810707	1040	940	<1	.64	29	4.3	18	--	1	.30	.068	.76	.72	.001	.001	11	--	.1
810707	810728	940	945	1	1.2	23	4.1	28	--	5	.18	.082	.22	.22	.004	.005	9	.3	.1
810728	810830	945	940	<1	.07	33	4.1	--	--	--	.32	.320	.59	--	.000	--	--	--	--
810830	810922	940	930	1	1.7	24	4.1	53	0	1	.14	.135	.50	.36	.018	.015	8	1.3	.2
810922	811015	930	1330	3	8.1	11	4.4	17	0	1	.13	.097	.31	.21	.013	.011	4	.5	.1
811015	811028	1330	730	<1	.78	14	4.2	14	0	1	.07	.134	.51	.45	.009	.010	3	1.4	.1
811028	811113	730	825	2	2.2	13	4.3	9	1	2	.09	.075	.23	.27	.001	.001	9	.9	.4
811116	811207	1300	1240	4	4.8	10	4.7	10	0	1	.06	.110	.55	.29	<.001	.005	4	.9	.1
811207	811218	1240	1120	1	2.5	9	5.2	15	0	0	.05	.138	.59	.32	<.001	<.001	3	1.3	.1
811218	811219	1120	1340	0	.67	10	4.7	12	--	--	.05	.144	.22	--	<.001	--	4	1.4	.1
811219	820125	1340	925	4	4.9	10	4.5	<10	0	6	.14	.111	.18	.49	.016	.009	5	2.5	.9
820125	820208	925	1020	1	2.2	16	4.5	9	--	1	.11	.116	.37	.22	.010	.031	8	1.0	.1

TABLE 31.--Concentrations of major anions and cations in wet-atmospheric deposition. Length of exposure was estimated using rainfall data for the sampling period

Starting date	Ending date	Starting time (2400 hours)	Ending time (2400 hours)	Length of exposure (days)	Precipitation (inches)	Specific conductance (umhos)	pH (units)	Hardness (mg/L as $CaCO_3$)	Acidity (mg/L as H)	Calcium, dissolved (mg/L as Ca)	Magnesium, dissolved (mg/L as Mg)
473602122113002 - Surrey Downs wet- and dry-deposition collector at Bellevue, Washington											
810922	811015	730	1460	2	8.1	9	4.6	1	--	0.4	<0.1
811028	811113	740	750	1	1.0	13	4.3	1	--	.2	.1
811113	811130	750	925	1	3.0	12	4.7	0	--	.2	<.1
473632122075700 - St. Louise Parish at Bellevue, Washington											
810922	811015	805	1420	2	7.9	10	4.4	--	0.2	.1	<.0
811028	811113	710	845	1	1.1	13	4.4	0	--	.1	<.1
811113	811130	845	1030	1	2.8	11	4.7	--	--	.1	--
473532122082400 - Robinswood School at Bellevue, Washington											
811028	811113	730	825	2	2.2	13	4.3	1	--	.1	<.1
811116	811207	1300	1240	4	4.8	10	4.7	1	--	.2	.1
811207	811218	1240	1120	1	2.5	9	5.2	1	--	.1	.1

Sodium, dissolved (mg/L as Na)	Potassium, dissolved (mg/L as K)	Alkalinity lab (mg/L as $CaCO_3$)	Sulfate dissolved (mg/L as SO_4)	Sulfate dissolved (ug/L)	Chloride, dissolved (mg/L as Cl)	Chloride, dissolved (ug/L)	Fluoride, dissolved (mg/L as F)	Fluoride, dissolved (ug/L)	Bromide, dissolved (mg/L as Br)	Bromide, dissolved (ug/L)	Silica, dissolved (mg/L as SiO_2)
Surrey Downs--Continued											
0.2	0.1	--	5.0	--	<0.1	--	0.1	--	--	--	<0.1
.2	.1	--	1.4	1360	.3	250	.1	60.0	< 0.05	<50.0	< .1
.5	.1	--	.9	930	1.0	1020	.0	30.0	--	<50.0	<.1
St. Louise Parish--Continued											
<.2	.1	1.0	<5.0	--	<.1	--	<.1	--	--	--	<.1
.2	.1	--	1.0	1030	.5	460	.1	90.0	<.05	<50.0	<.1
.5	.1	--	1.4	1380	.1	860	<.1	40.0	<.05	<50.00	<.1
Robinswood School--Continued											
.2	.1	--	1.0	1000	.5	530	.1	70.0	<.05	<50.0	<.1
.6	.1	--	.6	560	1.0	950	.1	60.0	<.05	<50.0	<.1
.3	--	--	.3	320	.7	650	.1	50.0	<.05	<50.0	<.1

TABLE 32.--Total-recoverable and dissolved-lead concentrations in wet- atmospheric deposition. Length of exposure was estimated using rainfall data for the sampling period

Starting date	Ending date	Starting time (2400 hours)	Ending time (2400 hours)	Length of exposure (days)	Precipitation (inches)	Lead, total recoverable (ug/L as Pb)	Lead, dissolved (ug/L as Pb)
473602122113002 - Surrey Downs wet- and dry-atmospheric deposition collector at Bellevue, Washington							
800806	800818	820	1510	<1	0.65	11	3
800818	800917	1510	850	1	1.7	13	4
801101	801119	905	2230	2	3.5	7	2
473632122075700 - St. Louise Parish at Bellevue, Washington							
800806	800818	910	1600	<1	.65	20	3
800818	800917	1600	940	1	1.7	13	4
800917	801010	940	935	1	1.1	12	0
801101	801119	1100	2150	1	3.2	7	1
473532122082400 - Robinswood School at Bellevue, Washington							
800806	800818	850	1530	<1	.62	11	3
800818	800917	1530	910	2	1.9	11	4
800917	801010	910	850	1	1.1	7	7
801101	801119	940	2210	1	3.0	7	2

TABLE 33.--Masses per unit area of dry-atmospheric deposition and constituent concentrations in dry-atmospheric deposition. All results are expressed in grams per kilogram of total solids, which are expressed in pounds per acre. Length of exposure was estimated using rainfall data for the sampling period

473602122113002 - Surrey Downs wet- and dry-atmospheric deposition collector at Bellevue, WA

STARTING DATE	ENDING DATE	STARTING TIME	ENDING TIME	TIME EXPOSED IN DAYS	SOLIDS TOTAL IN LBS/ACRE	COD TOTAL IN G/KG	NITROGEN, NO2+NO3 TOTAL G/KG AS N	NITROGEN, AMMONIA TOTAL G/KG AS N	NITROGEN, AMMONIA + ORGANIC TOTAL G/KG AS N	PHOSPHORUS TOTAL G/KG AS P	LEAD, TOTAL RECOVERABLE G/KG	CARBON, ORGANIC DISS. G/KG AS C	CARBON, ORGANIC SUSP. G/KG AS C
790327	790501	13:35	7:08	32.2	4.44*	3500	30.000	5.370	55.00	5.150	16.500	300.00	375.00
790501	790604	7:08	10:04	32.0	4.44*	1050	8.000	-	17.20	3.250	3.500	188.00	325.00
790604	790705	10:04	8:37	29.0	5.00*	1180	-	-	19.20	3.500	3.750	163.00	57.50
790705	790801	8:37	8:41	26.5	5.00*	-	8.750	-	5.25	2.500	3.000	145.00	27.50
790801	790905	8:41	9:32	33.3	4.44*	1050	0.925	8.020	10.70	0.325	4.000	100.00	135.00
790905	791002	9:32	8:47	26.3	5.56*	1000	9.380	0.500	24.50	-	3.000	85.00	65.00
791002	791106	8:47	9:06	30.0	5.56*	925	-	-	-	-	2.750	85.00	-
791206	791220	8:44	9:52	12.7	5.56*	975	2.250	0.150	30.00	0.950	1.000	177.00	77.50
800318	800404	9:35	7:50	15.9	4.17*	725	5.870	2.150	27.50	1.700	0.925	113.00	52.50
800404	800419	7:50	13:10	13.7	5.87	-	-	-	-	-	0.617	-	-
800419	800520	13:10	7:40	30.0	6.53	702	-	-	27.70	2.170	1.490	59.60	-
800520	800616	7:40	20:15	25.3	8.62	377	-	-	14.50	0.667	0.377	31.90	18.80
800616	800704	20:15	6:10	16.5	5.62	556	2.290	0.311	31.10	1.180	1.270	109.00	20.00
800704	800806	6:10	8:20	32.6	9.25	689	3.320	0.095	16.20	0.189	1.620	93.20	33.80
800806	800818	8:20	15:05	12.1	23.40	128	0.021	0.000	2.14	0.321	0.267	16.60	5.88
800818	800917	15:05	8:50	28.2	5.56	455	31.800	5.730	27.30	0.841	2.200	45.50	25.00
800917	801014	8:50	8:50	26.0	5.00*	650	5.520	13.000	52.50	4.020	2.020	107.00	42.50
801201	801229	8:25	12:05	26.0	6.11*	575	8.220	7.800	16.00	1.050	1.450	97.50	-
801229	810130	12:05	7:40	29.6	2.87	1090	14.800	27.800	43.50	1.040	4.780	139.00	60.90
810130	810303	7:40	8:35	32.0	6.12	939	8.670	7.800	32.70	1.200	1.690	83.70	24.50
810303	810324	8:35	11:50	19.7	7.12	1180	6.650	0.456	36.80	0.246	0.702	68.40	-
810324	810423	11:50	17:25	28.1	5.62	3330	-	-	15.30	1.690	1.560	80.00	37.80
810423	810522	17:25	8:30	27.2	3.62	966	-	-	65.50	4.550	3.280	100.00	117.00
810522	810626	8:30	9:30	32.2	5.12	756	3.050	8.980	26.80	0.976	1.320	105.00	53.70
810626	810728	9:30	8:35	31.1	6.25	1340	2.340	0.540	15.00	1.280	1.120	166.00	28.00
810728	810830	8:35	10:40	33.0	15.60	392	1.560	1.420	5.60	0.504	0.800	20.80	-
810830	810922	10:40	7:30	21.7	4.00	3130	2.190	5.940	30.30	16.9	1.220	37.50	40.60
810922	811015	7:30	14:55	20.9	2.25	1610	7.720	14.500	35.60	1.000	1.940	77.80	44.40
811015	811113	14:55	7:50	27.2	2.00	875	15.700	34.400	53.10	0.750	2.630	144.00	237.00
811113	811218	7:50	12:05	32.0	3.12	1080	2.840	10.800	27.20	0.320	1.120	84.00	60.00
811218	820208	12:05	8:25	47.4	15.50	315	1.910	2.260	5.40	0.403	0.524	38.70	8.06

* INDICATES ESTIMATED VALUE

TABLE 33.--Continued

473632122075700 - St. Louise Parish at Bellevue, WA

STARTING DATE	ENDING DATE	STARTING TIME	ENDING TIME	TIME EXPOSED IN DAYS	SOLIDS TOTAL IN LBS/ACRE	COD TOTAL IN G/KG	NITROGEN, NO2+NO3 TOTAL G/KG AS N	NITROGEN, AMMONIA TOTAL G/KG AS N	NITROGEN, AMMONIA + ORGANIC TOTAL G/KG AS N	PHOSPHORUS TOTAL G/KG AS P	LEAD, TOTAL RECOVERABLE G/KG	CARBON, ORGANIC DISS. G/KG AS C	CARBON, ORGANIC SUSP. G/KG AS C
800616	800704	14:00	7:15	17.0	5.25	667	3.170	1.500	14.30	1.480	1.170	52.40	14.30
800704	800806	7:15	9:10	31.9	7.87	381	4.110	2.020	12.20	0.159	1.190	39.70	15.90
800806	800818	9:10	16:00	12.1	45.40	50	0.014	0.152	3.31	0.207	0.143	8.54	5.23
800818	800917	16:00	9:40	28.3	5.12	366	82.900	4.710	18.80	0.854	1.680	43.90	31.70
800917	801014	9:40	9:35	22.8	5.00*	725	8.900	8.150	35.00	8.370	1.520	52.50	-
801014	801201	9:35	9:20	41.8	8.97	929	8.170	13.500	35.70	-	1.900	124.00	-
801201	801229	9:20	13:30	28.1	5.83*	375	8.600	10.100	16.50	0.500	1.000	62.50	10.00
801229	810130	13:30	8:40	29.8	3.37	741	12.200	27.100	37.00	1.300	3.700	185.00	44.40
810130	810303	8:40	9:25	30.3	5.00	1250	8.850	7.470	35.00	1.470	1.650	75.00	75.00
810303	810324	9:25	12:45	19.5	5.87	1680	8.980	0.511	48.90	0.362	0.660	97.90	85.10
810324	810423	12:45	18:20	27.7	5.62	3110	-	-	31.10	1.820	1.440	68.90	60.00
810423	810522	18:20	9:25	26.9	3.00	1080	-	-	50.00	1.670	3.120	137.00	150.00
810522	810626	9:25	10:15	32.7	5.62	-	-	-	-	-	1.070	-	-
810626	810728	10:15	10:05	31.0	5.62	-	-	-	-	-	0.911	-	-
810819	810830	10:25	10:20	10.9	2.50	-	-	-	-	-	2.000	-	-
810830	810922	10:20	8:05	21.9	3.62	2070	2.860	6.520	41.40	26.6	1.380	55.20	34.50
811015	811113	14:20	8:45	27.5	2.12	588	20.100	36.200	52.90	1.650	2.120	206.00	194.00
811116	811218	13:20	10:10	29.3	1.75	714	17.800	27.100	47.10	0.929	1.860	85.70	57.10
811218	820208	10:10	13:10	47.5	3.31	1920	24.600	25.000	34.60	1.150	3.810	235.00	34.60

* INDICATES ESTIMATED VALUE

TABLE 33.--Continued

473532122082400 - Robinswood School at Bellevue, WA

START-ING DATE	END-ING DATE	START-ING TIME	END-ING TIME	TIME EXPOSED IN DAYS	SOLIDS TOTAL IN LBS/ACRE	COD TOTAL IN G/KG	NITRO-GEN, NO2+NO3 TOTAL G/KG AS N	NITRO-GEN, AMMONIA TOTAL G/KG AS N	NITROGEN, AMMONIA + ORGANIC TOTAL G/KG AS N	PHOS-PHORUS TOTAL G/KG AS P	LEAD, TOTAL RECOVER-ABLE G/KG	CARBON, ORGANIC DISS. G/KG AS C	CARBON, ORGANIC SUSP. G/KG AS C
800616	800704	13:30	4:40	16.6	6.37	412	2.920	1.060	13.50	1.200	1.780	37.30	1.96
800704	800806	4:40	8:50	32.5	7.07	393	4.790	2.360	19.60	1.570	1.640	42.90	33.90
800806	800818	8:50	15:30	12.1	22.10	102	0.028	1.920	1.92	0.243	0.429	8.47	7.34
800818	800917	15:30	9:10	27.8	5.37	326	25.600	3.420	20.50	0.814	2.330	30.20	44.20
800917	801014	9:10	9:20	25.8	5.00*	575	9.520	5.120	25.00	8.350	2.420	37.50	42.50
801014	801201	9:20	9:00	42.8	7.50	767	7.530	5.620	12.00	-	0.100	90.00	30.00
801201	801229	9:00	13:00	25.7	5.56*	575	8.820	8.450	16.00	0.550	1.670	80.00	-
801229	810130	13:00	8:20	28.0	6.37	549	6.730	11.900	21.60	0.667	2.550	78.40	21.60
810130	810303	8:20	9:10	29.8	7.87	952	6.330	4.700	36.50	0.714	1.460	57.10	38.10
810303	810324	9:10	12:10	19.5	11.20	963	5.510	0.123	22.20	0.173	0.728	59.30	42.00
810324	810423	12:10	17:50	26.4	8.75	1860	-	-	11.90	1.000	1.570	55.70	28.60
810423	810522	17:50	9:15	26.3	5.50	591	-	-	21.80	0.909	2.730	63.60	61.40
810522	810626	9:15	10:00	32.7	6.12	612	2.570	6.290	16.50	0.939	1.860	42.90	42.90
810626	810728	10:00	9:45	31.0	9.62	571	2.210	3.600	16.90	3.780	0.974	16.90	31.20
810728	810830	9:45	9:40	32.9	7.87	857	4.970	4.430	11.40	2.020	1.750	38.10	12.70
810830	810922	9:40	9:30	21.9	11.40	780	2.450	2.310	11.00	1.150	0.648	16.50	17.60
810922	811015	9:30	13:30	20.3	3.12	1080	7.000	8.440	25.60	0.720	1.800	88.00	32.00
811015	811113	13:30	8:25	26.7	2.75	1820	17.500	30.000	44.10	1.680	4.180	136.00	195.00
811117	811218	15:00	11:20	25.7	2.12	941	16.500	23.500	51.80	0.647	2.350	129.00	70.60
811218	820208	11:20	10:15	46.6	5.50	795	16.100	13.600	25.00	0.909	2.950	127.00	13.60

* INDICATES ESTIMATED VALUE

TABLE 33.--Continued

473532122082400 - Robinswood School at Bellevue, WA

STARTING DATE	ENDING DATE	STARTING TIME	ENDING TIME	TIME EXPOSED IN DAYS	SOLIDS TOTAL IN LBS/ACRE	COD TOTAL IN G/KG	NITROGEN, NO2+NO3 TOTAL G/KG AS N	NITROGEN, AMMONIA TOTAL G/KG AS N	NITROGEN, AMMONIA + ORGANIC TOTAL G/KG AS N	PHOSPHORUS TOTAL G/KG AS P	LEAD, TOTAL RECOVERABLE G/KG	CARBON, ORGANIC DISS. G/KG AS C	CARBON, ORGANIC SUSP. G/KG AS C
800616	800704	13:30	4:40	16.6	6.37	412	2.920	1.060	13.50	1.200	1.780	37.30	1.96
800704	800906	4:40	8:50	32.5	7.07	393	4.790	2.360	19.60	1.570	1.640	42.90	33.90
800806	800818	8:50	15:30	12.1	22.10	102	0.028	1.920	1.92	0.243	0.429	8.47	7.34
800818	800917	15:30	9:10	27.8	5.37	326	25.600	3.420	20.50	0.814	2.330	30.20	44.20
800917	801014	9:10	9:20	25.8	5.00*	575	9.520	5.120	25.00	8.350	2.420	37.50	42.50
801014	801201	9:20	9:00	42.8	7.50	767	7.530	5.620	12.00	-	0.100	90.00	30.00
801201	801229	9:00	13:00	25.7	5.56*	575	8.820	8.450	16.00	0.550	1.670	80.00	-
801229	810130	13:00	8:20	26.0	6.37	549	6.730	11.900	21.60	0.667	2.550	78.40	21.60
810130	810303	8:20	9:10	29.8	7.87	952	6.330	4.700	36.50	0.714	1.460	57.10	38.10
810303	810324	9:10	12:10	19.5	11.20	963	5.510	0.123	22.20	0.173	0.728	59.30	42.00
810324	810423	12:10	17:50	26.4	8.75	1860	-	-	11.90	1.000	1.570	55.70	28.60
810423	810522	17:50	9:15	26.3	5.50	591	-	-	21.80	0.909	2.730	63.60	61.40
810522	810626	9:15	10:00	32.7	6.12	612	2.570	6.290	16.50	0.939	1.860	42.90	42.90
810626	810728	10:00	9:45	31.0	9.62	571	2.210	3.600	16.90	3.780	0.974	16.90	31.20
810728	810830	9:45	9:40	32.9	7.87	857	4.970	4.430	11.40	2.020	1.750	38.10	12.70
810830	810922	9:40	9:30	21.9	11.40	780	2.450	2.310	11.00	1.150	0.648	16.50	17.60
810922	811015	9:30	13:30	20.3	3.12	1080	7.000	8.440	25.60	0.720	1.800	88.00	32.00
811015	811113	13:30	8:25	26.7	2.75	1820	17.500	30.000	44.10	1.680	4.180	136.00	195.00
811117	811218	15:00	11:20	25.7	2.12	941	16.500	23.500	51.80	0.647	2.350	129.00	70.60
811218	820208	11:20	10:15	46.6	5.50	795	16.100	13.600	25.00	0.909	2.950	127.00	13.60

* INDICATES ESTIMATED VALUE