HYDROLOGIC DATA FOR THE DRAINAGE BASINS OF CHATFIELD AND CHERRY CREEK LAKES, DENVER METROPOLITAN AREA, COLORADO

By Johnnie W. Gibbs, Lisa M. Arnold, and Raymond L. Reed

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ILLUSTRATIONS

(Plate is in pocket)

METRIC CONVERSION FACTORS

Multiply	*By*	*To obtain*
inch	25.40	millimeter
foot (ft)	0.3048	meter
acre	0.4047	hectare
square mile (mi^2)	2.590	square kilometer
cubic foot (ft^3)	0.02832	cubic meter
cubic foot per second (ft^3/s)	0.02832	cubic meter per second
ton per acre-foot	1.119×10^{-3}	metric ton per cubic hectometer
ton per day	0.9072	metric ton per day
yard	0.9144	meter

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

Chatfield and Cherry Creek Lakes are flood-control lakes constructed by the U.S. Army Corps of Engineers and leased to the Colorado Division of Parks and Recreation. Both lakes are in the Denver metropolitan area and provide a variety of recreational activities, including boating, camping, fishing, picnicking, and swimming.

The projected increase of urban development in the drainage basins of Chatfield and Cherry Creek Lakes could increase the constituent loads delivered to the lakes. Due to the eutrophic condition of Cherry Creek Lake and the potential eutrophic condition of Chatfield Lake, increased constituent loads could affect the suitability of the lakes for recreation.

A monitoring program was started to determine the constituent loads of the drainage basins to both lakes. A network of monitoring stations was established to collect ambient water-quality samples, storm-runoff water-quality samples, precipitation, and stream discharge.

In the Cherry Creek basin 12 observation wells were established in the alluvium upgradient from Cherry Creek Lake. Water levels and water-quality data were collected to determine the quantity and quality of ground water entering Cherry Creek Lake.

Data presented in this report were collected from January through December 1982. The data may be used to evaluate the present and projected impact of urbanization in the drainage basins and the affect of increased constituent loads delivered to Chatfield and Cherry Creek Lakes.

INTRODUCTION

Chatfield and Cherry Creek Lakes (fig. 1) were constructed as flood-control lakes by the U.S. Army Corps of Engineers on two of the major receiving waters in the Denver region--the South Platte River and Cherry Creek. Both lakes are leased to the Colorado Division of Parks and Recreation and provide a variety of recreation.

The Denver Regional Council of Governments (DRCOG) projected an increase of urban development in the drainage basins of Chatfield and Cherry Creek Lakes. The increase of urban development could increase the quantity and constituent loads from storm runoff delivered to the lakes. Because of the eutrophic condition of Cherry Creek Lake and the potential eutrophic condition of Chatfield Lake, increased constituent loads could affect the suitability of the lakes for recreation.

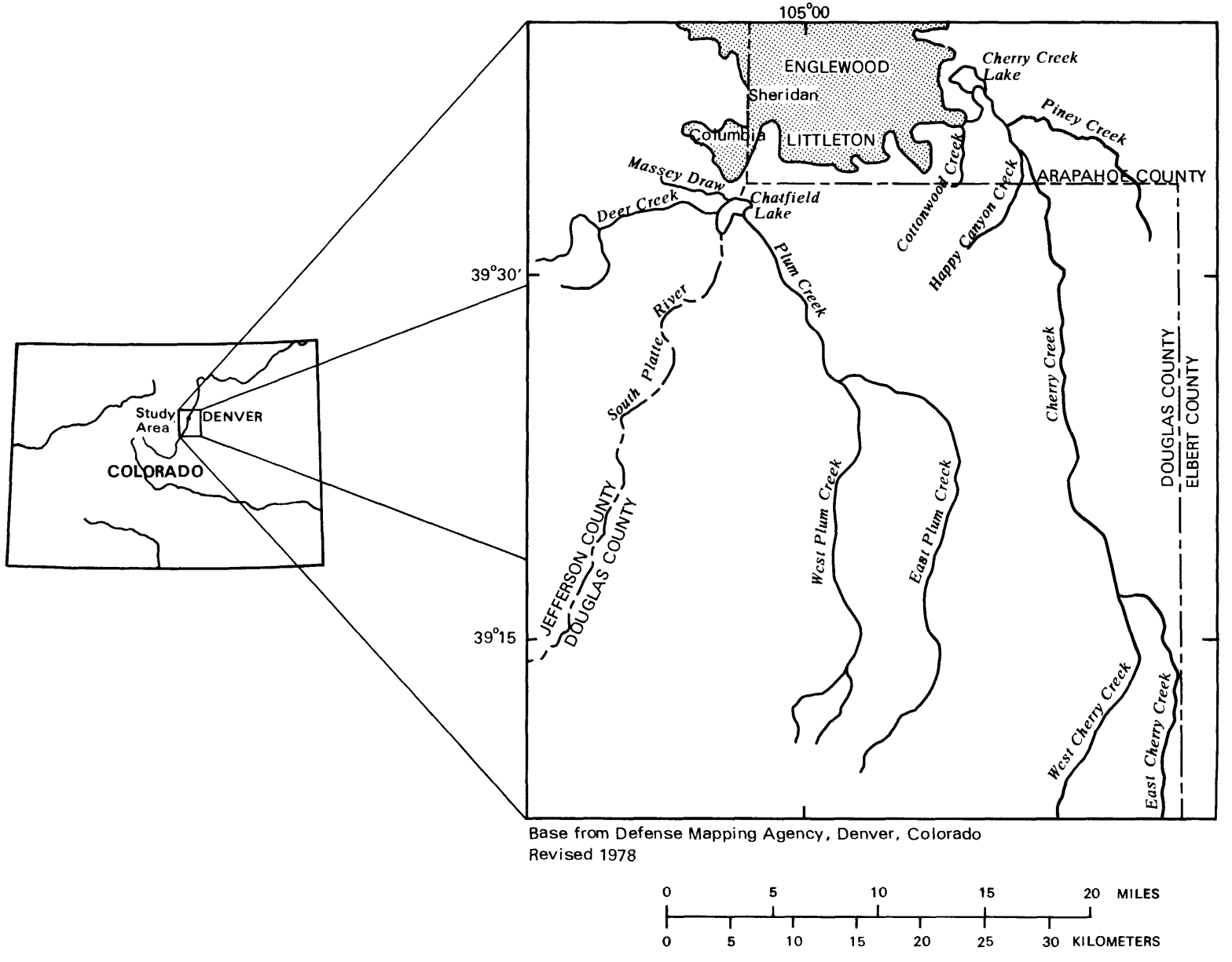

Figure 1.--Location and general features of study area.

The U.S. Geological Survey and the Denver Regional Council of Governments selected 12 monitoring sites (plate 1) and 12 observation well sites (plate 1) for the study. All of the observation wells and seven monitoring sites were in the Cherry Creek basin. The remaining five monitoring sites were in the South Platte River basin.

Instrumentation and Methods

The automated storm-runoff monitoring stations contain water-stage recording equipment, water-quality sampling equipment, data logger, cassette recorder, and a rain gage. The nonautomated storm-runoff monitoring stations contain water-stage recording equipment and a rain gage.

Water-stage recording equipment consists of a continuous strip-chart water-stage recorder. Continuous strip-chart water-stage recorders and stage-discharge relationships (developed from current-meter measurements and channel geometry) were used to determine flow at the South Platte River at Waterton, Deer Creek above Chatfield Lake, Massey Draw above Chatfield Lake, Plum Creek near Louviers, Cherry Creek tributary No. 1 near Aurora, and Cottonwood Creek above Cherry Creek Lake. A continuous strip-chart water-stage recorder and a 4-foot Parshall flume were used to determine discharge at Lone Tree Creek at mouth. The slope-area method was used to determine discharge of the one runoff event which occurred at Happy Canyon Creek above Jordan Road. Current-meter measurements or estimates of discharge were used for Cherry Creek at Arapahoe Road, Piney Creek at Parker Road, and Cherry Creek above Cherry Creek Lake. A calibrated outlet structure in Chatfield Dam and current-meter measurements were used to determine discharge of the South Platte River below Chatfield Lake.

All water-quality samples were collected as discrete samples. Ambient water-quality samples were representative samples collected during base flow. Representative storm-runoff water-quality samples were collected by an automated water sampler able to collect 24 3-liter samples. The sampler was mounted on a commercial chest-type home freezer. Storm-runoff water-quality samples collected at the nonautomated stations were samples collected to represent various stages of the hydrograph.

The ambient water-quality samples were analyzed as discrete samples. However, most of the storm-runoff samples were combined to form a flow-weighted composite sample before they were analyzed. The ground-water-quality samples were analyzed as discrete samples.

Ambient and storm-runoff water-quality samples were collected at Deer Creek above Chatfield Lake, Plum Creek near Louviers, Cherry Creek tributary No. 1 near Aurora, and Cottonwood Creek above Cherry Creek Lake. Ambient water-quality samples were collected at the South Platte River at Waterton, the South Platte River below Chatfield Lake, and Cherry Creek above Cherry Creek Lake. Storm-runoff water-quality samples were collected at Massey Draw above Chatfield Lake, Cherry Creek at Arapahoe Road, Piney Creek at Parker Road, and Lone Tree Creek at mouth. Happy Canyon Creek above Jordan Road was established as a storm-runoff station but only one storm-runoff event occurred (August 4, 1982), and no water-quality samples were collected.

Ambient water-quality samples were collected on a monthly basis from January through December 1982, except during April through October, when collection was made on a semimonthly basis. Storm-runoff water-quality samples were collected from May through September 1982. Water levels and water-quality samples were collected monthly from the observation wells from January through December 1982.

Ambient, storm-runoff, and ground-water-quality samples were collected by the U.S. Geological Survey and the Denver Regional Council of Government and were analyzed by the Metropolitan Denver Sewage Disposal District No. 1 Laboratory. Replicate water-quality samples used for quality assurance were analyzed by the U.S. Geological Survey at the Denver Central Laboratory.

The data logger, with its programmable features, provides a method of tailoring basic programs to fit the individual basin. The Julian day, time, gage height, timing of samples, incremental rainfall, and daily rainfall total are recorded from the data logger by a cassette recorder.

Rain gages were of two types--the tipping-bucket rain gage and the 3-inch pipe gage equipped with a float and digital recorder. The tipping-bucket rain gages were used at the automated monitoring stations, and the pipe gages were used for the outlying sites.

Eleven observation wells were augered into the unconsolidated alluvial formation upgradient from Cherry Creek Lake. The wells were cased with 2-inch PVC pipes slotted below water level. Steel pipe was attached to the PVC casing below ground surface and capped, and a cement collar was poured around the pipe to prevent surface contamination.

Ground-water levels were measured with electrical and steel tapes. Discrete ground-water-quality samples were collected by bailer, air-lift pump, and a centrifugal pump.

DESCRIPTION OF THE DRAINAGE BASINS, SUBBASINS, AND MONITORING STATIONS, RAIN GAGES, AND OBSERVATION WELLS

Drainage area and approximate maximum elevation were obtained for the drainage basins and subbasins at Chatfield and Cherry Creek Lakes. Station identification number, name of station, type of water-quality samples, latitude and longitude, and elevation of station were obtained for the monitoring stations in the drainage basins of Chatfield and Cherry Creek Lake. These data are presented in table 1. A description of the rain gages is presented in table 2. The Thiessen coefficient (Thiessen, 1911) data used to convert individual rain-gage data to basin-rainfall data are presented in table 3. Site number, latitude and longitude, elevation of land surface, and depth of well data are presented in table 4 for the observation wells.

Table 1.--*Selected data for basins and subbasins monitoring stations*

Map No.	U.S. Geological Survey monitoring station No.	U.S. Geological Survey monitoring station Name	Latitude	Longitude	Drainage area in square miles	Type of water-quality sampling at station	Altitude* of station	Approximate maximum altitude of basins or subbasins
1	06708000	South Platte River at Waterton.	39°29'18"	105°05'32"	2,620	Ambient-------	5,480	14,060
2	06708520	Deer Creek above Chatfield Lake.	39°32'45"	105°05'10"	34	Ambient and storm runoff.	5,440	8,800
3	06708550	Massey Draw above Chatfield Lake.	39°33'21"	105°04'17"	9.5	Storm runoff--	5,450	7,530
4	06709500	Plum Creek near Louviers.	39°29'04"	105°00'07"	302	Ambient and storm runoff.	5,580	9,240
5	06709610	South Platte River below Chatfield Lake.	39°33'44"	105°03'24"	3,020	Ambient-------	5,410	14,060
6	06712440	Happy Canyon Creek above Jordan Road.	39°34'08"	104°48'20"	15	Storm runoff--	5,720	6,420
7	06712450	Cherry Creek at Arapahoe Road..	39°35'41"	104°48'43"	336	Storm runoff--	5,620	7,630
8	06712495	Piney Creek at Parker Road.	39°36'31"	104°48'36"	22	Storm runoff--	5,630	6,420
9	06712850	Cherry Creek above Cherry Creek Lake.	39°37'29"	104°50'01"	360	Ambient-------	5,560	7,630
10	06712855	Cherry Creek tributary No. 1 near Aurora.	39°37'51"	104°49'30"	.96	Ambient and storm runoff.	5,630	5,790
11	06712950	Lone Tree Creek at mouth.	39°36'53"	104°50'26"	5.0	Storm runoff--	5,580	5,830
12	06712960	Cottonwood Creek above Cherry Creek Lake.	39°37'29"	104°50'56"	14	Ambient and storm runoff.	5,550	6,280

*In feet above sea level.

Table 2.--*Description of the rain gages*

Map No.	Name and location	Latitude	Longitude
13	Massey Draw rain gage above Chatfield Lake----------	39°33'21"	105°04'17"
14	Plum Creek rain gage near Louviers--	39°29'04"	105°00'07"
15	Cherry Creek rain gage at Arapahoe Road----------	39°35'41"	104°48'43"
16	Piney Creek rain gage at Parker Road----------	39°36'31"	104°48'36"
17	Cottonwood Creek rain gage above Cherry Creek Lake----------	39°37'29"	104°50'56"
18	Greenland rain gage near Greenland--	39°10'25"	104°50'04"
19	High School Road rain gage near Castle Rock----------	39°24'04"	104°51'33"
20	Chatfield Lake rain gage near Littleton----------	39°30'34"	105°05'11"
21	Parker rain gage at Parker----------	39°31'17"	104°45'44"
22	Frontage Road rain gage at Interstate Highway 25 and West Parker Road----------	39°32'21"	104°52'03"
23	Chatfield Avenue and Garrison Street rain gage near Littleton----------	39°33'57"	105°06'04"
24	Melvin School rain gage at Aurora---	39°37'34"	104°48'09"
25	Cherry Creek tributary No. 1 rain gage near Aurora----------	39°37'51"	104°49'30"

Table 3.--*Thiessen coefficient for the rain gages*
[Coefficient is in percent]

RAIN GAGE NAME		Massey Draw	Plum Creek	Cherry Creek	Piney Creek	Cotton-wood Creek	Green-land	High School Road	Chat-field Lake	Parker	Front-age Road	Chat-field Ave. and Garrison St.	Melvin School	Cherry Creek tribu-tary No. 1
RAIN GAGE MAP No.		13	14	15	16	17	18	19	20	21	22	23	24	25
MONITORING STATION Map No.	Name													
2	Deer Creek above Chatfield Lake.	1	--	--	--	--	--	--	44	--	--	55	--	--
3	Massey Draw above Chatfield Lake.	5	--	--	--	--	--	--	--	--	--	95	--	--
4	Plum Creek near Louviers.	--	19	--	--	--	45	36	--	--	--	--	--	--
6	Happy Canyon Creek above Jordan Road.	--	4	3	--	--	--	4	--	2	87	--	--	--
7	Cherry Creek at Arapahoe Road.	--	--	2	--	--	45	27	--	20	6	--	--	--
8	Piney Creek at Parker Road.	--	--	17	10	--	--	--	--	60	--	--	13	--
10	Cherry Creek tributary No. 1 near Aurora.	--	--	--	--	--	--	--	--	--	--	--	53	47
11	Lone Tree Creek at mouth.	--	--	71	5	4	--	--	--	--	20	--	--	--
12	Cottonwood Creek above Cherry Creek Lake.	--	--	32	2	22	--	--	--	--	44	--	--	--

Table 4.--*Selected data for the observation wells in the Cherry Creek Lake basin*

Map No.	Site No.	Latitude	Longitude	Elevation of land surface (feet above sea level)	Depth of well (in feet)
26	392329104453201	39°23'29"	104°45'32"	6,087	38
27	392658104460601	39°26'58"	104°46'06"	5,972	64
28	392842104460501	39°28'42"	104°46'05"	5,897	70
29	393101104455201	39°31'01"	104°45'52"	5,846	72
30	393234104465601	39°32'34"	104°46'56"	5,764	57
31	393416104481701	39°34'16"	104°48'17"	5,705	52
32	393451104480601	39°34'51"	104°48'06"	5,673	57
33	393609104501501	39°36'09"	104°50'15"	5,635	50
34	393617104493901	39°36'17"	104°49'39"	5,628	68
35	393618104505001	39°36'18"	104°50'50"	5,620	42
36	393634104501301	39°36'34"	104°50'13"	5,611	64
37	393636104483401	39°36'36"	104°48'34"	5,644	70

Stream-discharge data for the South Platte River at Waterton are available from the Colorado Division of Water Resources, State Engineer's Office. Stream-discharge data for the South River below Chatfield Lake were provided by the U.S. Army Corps of Engineers and DRCOG. Stream-discharge data for the remaining 10 stations, precipitation, and ground-water levels for all the wells were provided by the U.S. Geological Survey. The basin characteristics were provided by DRCOG, based on 1980 maps and population figures.

South Platte River Basin

The South Platte River at Chatfield Lake drains a basin of 3,020 mi^2 in Jefferson, Douglas, and Park Counties. Storage and flood-control reservoirs (Eleven Mile Canyon, Cheesman, and Chatfield) and transmountain diversions are in the basin. The basin is approximately 93 percent open space (park, vacant, and agricultural areas), 6.0 percent residential, and 1.0 percent commercial and industrial.

Five monitoring stations and six rain gages are in the basin. Two stations on the main stem of the South Platte River monitor the South Platte River subbasins upstream from Waterton and Chatfield Lakes. The remaining three monitoring stations and six rain gages were in the remaining three subbasins of the South Platte River--Deer Creek, Massey Draw, and Plum Creek. Data collected for the basin consist of ambient and storm-runoff water quality, stream discharge, precipitation, and basin characteristics. The unmonitored area in the basin is 54 mi^2.

South Platte River Subbasin Upstream from Waterton

The nonautomated station, 06708000 South Platte River at Waterton, monitors a subbasin of 2,620 mi^2. The station is approximately 50 yards downstream from the bridge on State Highway 221. Data collected in the subbasin consists of ambient water quality, stream discharge (determined from a continuous strip-chart water-stage recorder and stage-discharge relation), and subbasin characteristics.

Deer Creek Subbasin

Deer Creek drains a subbasin of 34 mi^2 in Jefferson County. The subbasin is approximately 99 percent open space (park, vacant, and agricultural areas), 0.50 percent commercial and industrial and 0.50 percent residential.

The automated monitoring station, 06708520 Deer Creek above Chatfield Lake, is approximately 300 yards upstream from Chatfield Lake. One rain gage is in the subbasin. Data collected for the subbasin consists of ambient and storm-runoff water quality, stream discharge (determined from a continuous strip-chart water-stage recorder and stage-discharge relationship), precipitation, and subbasin characteristics.

Massey Draw Subbasin

Massey Draw, an ephemeral stream, drains a subbasin of 9.5 mi^2 in Jefferson County. The subbasin is approximately 11 percent residential, 88 percent open space (park, vacant, and agricultural area), and 1.0 percent commercial and industrial.

The automated monitoring station, 06708550 Massey Draw above Chatfield Lake, is approximately 0.75 mile upstream from Chatfield Lake. Two rain gages are in the subbasin. Data collected for the subbasin consist of storm-runoff water quality, stream discharge (determined from a continuous strip-chart water-stage recorder and stage-discharge relation), precipitation, and subbasin characteristics.

Plum Creek Subbasin

Plum Creek drains a subbasin of 302 mi^2 in Douglas and Teller Counties, with the majority of the area in Douglas County. The subbasin is approximately 92 percent open space (park, vacant, and agricultural area), 7.0 percent residential, and 1.0 percent commercial and industrial.

The nonautomated monitoring station, 06709500 Plum Creek near Louviers, is approximately 0.8 mile northeast of Louviers, on Douglas County Route 13. There were three rain gages in the subbasin. Data collected for the subbasin consist of ambient and storm-runoff water-quality data, stream discharge (determined from a continuous strip-chart water-stage recorder and stage-discharge relationship), precipitation, and subbasin characteristics.

South Platte River subbasin downstream from Chatfield Lake

The nonautomated monitoring station, 06709610 South Platte River below Chatfield Lake, is approximately 300 yards downstream from Chatfield Dam. Data collected for the subbasin consist of ambient water quality and stream discharge (determined from a calibrated outlet structure in Chatfield Dam and current-meter measurements).

Cherry Creek Basin

Cherry Creek (an ephemeral stream) at Cherry Creek Lake drains a basin of 385 mi2 in Arapahoe, Douglas, and El Paso Counties. The basin is approximately 74 percent open space (park, vacant, and agricultural area), 23 percent residential, and 3.0 percent commercial and industrial.

There are 7 monitoring stations, 7 rain gages, and 12 observation wells in the basin. Two monitoring stations, two rain gages, and six observation wells are in two subbasins draining directly to main stem of Cherry Creek. The remaining five monitoring stations, five rain gages (with the exception of the Melvin School rain gage) and six observation wells are in the remaining five subbasins of Cherry Creek--Happy Canyon Creek, Piney Creek, Cherry Creek, Cherry Creek tributary No. 1, and Cottonwood Creek. Data collected for the basin included ambient, storm runoff, and ground-water quality data, stream

discharge, precipitation, ground-water levels, and basin characteristics. The unmonitored area in the basin is 25 mi^2.

Cherry Creek Subbasin upstream from Arapahoe Road

An automated station, 06712450 Cherry Creek at Arapahoe Road, drains a subbasin of 336 mi^2. The station is approximately 30 feet upstream from Arapahoe Road. Data collected for the subbasin consist of storm-runoff water quality, stream discharge (determined from current-meter measurements, estimates, and previous ratings), precipitation, and subbasin characteristics. Station 06712450 had been used previously for two earlier stations, Cherry Creek at Arapahoe Road and Cherry Creek near Melvin; the number was reassigned to the above station.

Cherry Creek Subbasin upstream from Cherry Creek Lake

A nonautomated monitoring station, 06712850 Cherry Creek above Cherry Creek Lake, drains a subbasin of 360 mi^2. The station was established to collect ambient water-quality data, because there was no streamflow at station 06712450 Cherry Creek at Arapahoe Road, unless there was a major rainfall event in the basin.

The station is approximately 10 feet upstream from the Cherry Creek Lake Recreation Area perimeter road. Data collected for the subbasin consists of ambient water quality, stream discharge (determined from estimates and current-meter measurements), and subbasin characteristics.

Happy Canyon Creek Subbasin

Happy Canyon Creek (an ephemeral stream) drains a subbasin of 15 mi^2 in Arapahoe and Douglas Counties. The subbasin is approximately 88 percent open space (parks, vacant, and agricultural area), and 12 percent residential.

The nonautomated monitoring station, 06712440 Happy Canyon Creek above Jordan Road, was established as a storm-runoff station. One storm-runoff event occurred August 4, 1982, but no water-quality samples were collected. The station is approximately 300 yards upstream from Jordan Road, and one observation well is approximately 100 yards downstream from the station. Data collected for the subbasin consist of ground-water quality, stream discharge (determined by the slope-area method), precipitation, ground-water levels, and subbasin characteristics.

Piney Creek Subbasin

Piney Creek (an ephemeral stream) drains a subbasin of 22 mi^2 in Arapahoe and Douglas Counties. The subbasin is approximately 70 percent open space (parks, vacant, and agricultural area), and 30 percent residential.

The nonautomated monitoring station, 06712495 Piney Creek at Parker Road, is approximately 100 yards downstream from Parker Road. One rain gage and one observation are well in the basin. Data collected for the subbasin consist of storm-runoff water quality, ground-water quality, stream discharge (determined from estimates), precipitation, ground-water levels, and subbasin characteristics.

Cherry Creek Tributary No. 1 Subbasin

Cherry Creek tributary No. 1 drains a subbasin of 0.96 mi^2 in Arapahoe County. The subbasin is approximately 46 percent residential, and 54 percent open space (parks, vacant, and agricultural areas).

The nonautomated monitoring station, 06712855 Cherry Creek tributary No. 1 near Aurora, is approximately 20 feet upstream from Parker Road. One rain gage is in the subbasin and one rain gage (Melvin School) is outside the subbasin. Data collected for the subbasin consist of ambient and storm-runoff water quality, stream discharge (determined from a continuous strip-chart water-stage recorder, stage-discharge relation, and culvert computation), precipitation, and subbasin characteristics.

Lone Tree Creek Subbasin

Lone Tree Creek (an ephemeral stream) drains a subbasin of 5.0 mi^2 in Arapahoe County. The subbasin is approximately 86 percent open space (parks, vacant, and agricultural area), and 14 percent residential.

The nonautomated monitoring station, 06712950 Lone Tree Creek at mouth, is approximately 100 yards upstream from the confluence of Lone Tree Creek and Cottonwood Creek. Two observation wells are in the subbasin, and one observation well is on Wind Mill Creek, a tributary to Lone Tree Creek. Data collected for the subbasins consist of storm-runoff water quality and ground-water quality, stream discharge (determined from a continuous strip-chart water-stage recorder and a 4-foot Parshall flume), precipitation, ground-water levels, and subbasin characteristics.

Cottonwood Creek Subbasin

Cottonwood Creek (an ephemeral stream) drains a subbasin of 14 mi^2 in Arapahoe and Douglas Counties. The subbasin is approximately 83 percent open space (parks, vacant, and agricultural area), 14 percent residential, and 3.0 percent commercial and industrial.

The automated monitoring station, 06712960 Cottonwood Creek above Cherry Creek Lake, is approximately 0.75 mile upstream from Cherry Creek Lake. Two rain gages and one observation well are in the subbasin. Two observation wells are in the Lone Tree Creek subbasin and one observation well is on Wind Mill Creek, which are tributaries to Cottonwood Creek. Data collected for the

subbasin consist of ambient, storm runoff, and ground-water quality, stream discharge (determined from a continuous strip-chart water-stage recorder and stage-discharge relation), precipitation, ground-water levels, and subbasin characteristics. During the study, a retention pond was constructed in the subbasin near Arapahoe Road and Peoria Street.

DAILY RAINFALL DATA ESTIMATED USING UNOFFICIAL GAGES

Estimated daily rainfall data are presented for the following:

Site No.	Name	Table
393321105041701	Massey Draw rain gage above Chatfield Lake	5
392904105000701	Plum Creek rain gage near Louviers	6
393541104484301	Cherry Creek rain gage at Arapahoe Road	7
393631104483601	Piney Creek rain gage at Parker Road	8
393729104505601	Cottonwood Creek rain gage above Cherry Creek Lake	9
391025104500401	Greenland rain gage near Greenland	10
392404104513301	High School Road rain gage near Castle Rock	11
393034105051101	Chatfield Lake rain gage near Littleton	12
393117104454401	Parker rain gage at Parker	13
393221104520301	Frontage Road rain gage at Interstate Highway 25 and West Parker Road	14
393357105060401	Chatfield Avenue and Garrison Street rain gage near Littleton	15
393734104480901	Melvin School rain gage at Aurora	16
393751104493001	Cherry Creek tributary No. 1 rain gage near Aurora	17

Table 5.--*Daily rainfall estimated using an unofficial gage at site 393321105041701 Massey Draw rain gage above Chatfield Lake*

[Rainfall, in inches]

	1982			
Day	June	July	August	September
1	---	0.00	0.00	0.00
2	---	.00	.05	.00
3	---	.00	*.02	.00
4	---	.00	*.11	.00
5	---	.00	.00	.07
6	---	.00	.22	.31
7	---	.00	.00	.00
8	---	.00	.00	.00
9	---	.37	.00	.00
10	---	.00	.00	.00
11	---	.07	.01	.78
12	---	.01	.00	.17
13	---	.05	.00	.62
14	---	.00	.00	.16
15	---	.00	.00	.00
16	---	.00	.00	.00
17	---	.04	.00	.02
18	---	.00	.00	.00
19	---	.00	---	.00
20	---	.00	---	.00
21	---	.00	.00	.00
22	---	.00	.00	.00
23	---	.00	.00	.00
24	---	.00	.00	.00
25	*0.06	.00	.02	.00
26	.04	.00	.00	.00
27	.00	.14	.00	.00
28	.00	.46	.27	.00
29	.00	.16	.00	.00
30	.00	.00	.00	.03
31	---	.00	.00	---

*Partial day's data.

Table 6.--*Daily rainfall estimated using an unofficial gage at site 392904105000701 Plum Creek rain gage near Louviers*

[Rainfall, in inches]

	1982		
Day	July	August	September
1	---	0.00	0.00
2	---	.05	.00
3	---	.31	.00
4	---	.09	.00
5	---	.00	.07
6	---	.01	.02
7	---	.00	.00
8	---	.00	.00
9	---	.00	.00
10	---	---	.00
11	---	---	.51
12	---	---	.15
13	---	---	.58
14	---	---	.19
15	---	---	.25
16	---	---	.00
17	0.02	*.13	.02
18	.00	.00	.41
19	.00	.00	.02
20	.00	.46	.00
21	.00	.00	.00
22	.00	.00	.00
23	.00	.01	.00
24	.00	.00	.01
25	.00	.02	.00
26	.00	.00	.00
27	.07	.44	.00
28	.89	.12	.00
29	.64	.00	.00
30	.00	.00	.05
31	.00	.00	---

*Partial day's data.

Table 7.--*Daily rainfall estimated using an unofficial gage at site 393541104484301 Cherry Creek rain gage at Arapahoe Road*

[Rainfall, in inches]

	1982			
Day	June	July	August	September
1	0.00	0.22	0.00	0.00
2	.00	.00	.07	.00
3	.01	.00	1.17	.00
4	---	.00	.44	.00
5	---	.00	.00	.05
6	---	.00	.13	.08
7	---	.00	.00	.00
8	---	.00	.00	.01
9	---	.21	.00	.00
10	---	.00	.00	.06
11	---	.00	.31	.30
12	---	.00	.56	.18
13	---	.01	.03	.46
14	---	.00	.00	.19
15	---	.00	.00	.12
16	---	.00	.39	.00
17	---	.04	.00	.02
18	.12	.00	.00	.00
19	.00	.00	.00	.00
20	.00	.00	.92	.00
21	---	.00	.00	.00
22	---	.00	.00	.00
23	---	.00	.02	.00
24	.05	.00	.00	.00
25	.41	.00	.01	.00
26	.00	.00	.00	.00
27	.00	.03	.00	.00
28	.03	.81	.10	.00
29	.02	.51	.00	.00
30	.00	.00	.00	.00
31	---	.00	.00	---

Table 8.--*Daily rainfall estimated using an unofficial gage at site 393631104483601 Piney Creek rain gage at Parker Road*

[Rainfall, in inches]

	1982			
Day	June	July	August	September
1	---	0.17	0.00	---
2	---	.00	.16	---
3	---	.00	1.09	---
4	---	.00	.42	---
5	---	.00	.00	---
6	---	.00	.16	---
7	---	.00	---	---
8	---	.00	---	---
9	---	.10	---	---
10	---	.00	---	---
11	---	.00	---	---
12	---	.00	---	---
13	---	.00	---	---
14	---	.00	---	---
15	---	.00	---	---
16	---	.00	---	---
17	---	*.12	---	---
18	---	---	---	---
19	---	---	---	---
20	---	---	---	---
21	---	.00	---	---
22	---	.00	---	---
23	---	.00	---	---
24	*0.07	.00	---	---
25	.28	.00	---	---
26	.01	.00	---	---
27	.00	.02	---	---
28	.01	.98	---	---
29	.00	.46	---	---
30	.00	.00	---	---
31	---	.00	---	---

*Partial day's data.

Table 9.--*Daily rainfall estimated using an unofficial gage at site 393729104505601 Cottonwood Creek rain gage above Cherry Creek Lake*

[Rainfall, in inches]

	1982			
Day	June	July	August	September
1	---	0.00	0.00	0.00
2	---	.00	.02	.00
3	---	.00	.17	.00
4	---	.00	.00	.00
5	---	.00	.00	.03
6	---	.00	.00	.03
7	---	.00	.00	.00
8	---	.00	.00	.00
9	---	.15	.00	.00
10	---	.00	.00	.00
11	---	.00	.00	.27
12	---	.00	.01	.15
13	---	.01	---	.51
14	---	.00	---	.17
15	---	.00	---	.25
16	---	.00	---	.00
17	*0.14	.00	.02	.01
18	*0.32	.00	.00	.01
19	---	.00	.00	.00
20	---	.00	.02	.00
21	---	.00	.00	.00
22	---	.00	---	.00
23	---	.00	---	.00
24	.11	.00	---	.00
25	.10	.00	---	.00
26	.00	.00	.00	.02
27	.00	.01	.00	.00
28	.00	1.59	.06	.00
29	.04	.18	.00	.00
30	.00	.00	.00	.00
31	---	.00	.00	---

*Partial day's data.

Table 10.--*Daily rainfall estimated using an unofficial gage at site 391025104500401 Greenland rain gage near Greenland*

[Rainfall, in inches]

	1982			
Day	June	July	August	September
1	---	0.00	---	0.00
2	---	.00	---	.00
3	---	.00	---	.00
4	---	.00	---	.00
5	---	.00	---	.23
6	---	.00	*0.26	.05
7	---	.01	.02	.11
8	---	.00	.00	.03
9	---	.04	.00	.00
10	---	.00	.45	.04
11	*0.03	.29	.07	.28
12	.03	.00	.35	.40
13	.00	.01	.03	.47
14	.06	---	.00	.06
15	.08	---	.32	.07
16	.00	---	.05	.01
17	.55	---	.01	.02
18	1.15	---	.00	.11
19	.01	---	.01	.08
20	.01	---	.13	.00
21	.01	---	.01	.00
22	.06	---	.00	.00
23	.00	---	.01	.00
24	.31	---	.00	.00
25	.74	---	.02	.00
26	.01	---	.01	.00
27	.00	---	.00	.00
28	.01	---	.00	.00
29	.00	---	.00	.00
30	.00	---	.01	.14
31	---	---	.00	---

*Partial day's data.

Table 11.--*Daily rainfall estimated using an unofficial gage at site 392404104513301 High School Road rain gage near Castle Rock*

[Rainfall, in inches]

	1982			
Day	June	July	August	September
1	---	0.00	0.01	0.00
2	---	.00	.01	.00
3	---	.01	.20	.00
4	---	.01	.08	.00
5	---	.00	.02	.17
6	---	.00	.01	.17
7	---	.00	.00	.12
8	---	.07	.00	.08
9	---	.08	.00	.01
10	---	.00	.00	.08
11	*0.01	.19	.09	.28
12	.00	.01	.20	.19
13	.01	.01	.15	.43
14	.00	.01	.01	.15
15	.01	.01	.00	.13
16	.00	.01	.04	.00
17	.08	.00	.00	.01
18	.47	.01	.00	.47
19	.02	.01	.01	.02
20	.00	.01	.70	.01
21	.01	.01	.01	.00
22	.02	.01	.00	.00
23	.13	.01	.02	.00
24	.35	.01	.00	.00
25	.20	.01	.02	.01
26	.02	.00	.01	.00
27	.00	.14	.00	.00
28	.01	1.84	.00	.00
29	.14	.51	.00	.00
30	.01	.02	.00	.01
31	---	.01	.00	---

*Partial day's data.

Table 12.--*Daily rainfall estimated using an unofficial gage at site 393034105051101 Chatfield Lake rain gage near Littleton*

[Rainfall, in inches]

	1982					
Day	April	May	June	July	August	September
1	0.00	0.00	---	---	0.00	0.00
2	.00	.00	---	---	.02	.00
3	.00	.00	---	---	.04	.00
4	.00	.00	---	---	.01	.00
5	.09	.27	---	---	.00	.03
6	.00	.00	---	---	.10	.01
7	.00	.00	---	---	.01	.02
8	.00	.00	---	---	.00	.00
9	.00	.00	---	---	.00	.00
10	.00	.00	---	---	.00	.00
11	.00	.13	---	---	.23	.01
12	.00	1.31	---	---	.30	.00
13	.00	.75	---	---	.16	.02
14	.00	.20	---	---	.01	.01
15	.00	.01	---	---	.00	.00
16	.00	.00	---	---	.02	.01
17	.00	.01	0.12	---	.15	.00
18	.00	.00	.84	---	.01	.00
19	.00	.00	.00	---	.00	.00
20	.07	.01	---	0.00	.60	.00
21	.01	.00	---	.00	.01	.00
22	.00	.00	---	.00	.00	.00
23	.00	.00	---	.00	.03	.00
24	.00	.23	---	.00	.00	.00
25	.00	.50	---	.00	.00	.00
26	.00	*.16	---	.00	.01	.00
27	.09	---	---	.02	.00	.00
28	.00	---	---	.50	.04	.00
29	.06	---	---	.44	.01	.00
30	.01	---	---	.01	.00	.06
31	---	---	---	.00	.00	---

*Partial day's data.

Table 13.--*Daily rainfall estimated using an unofficial gage at site 393117104454401 Parker rain gage at Parker*

[Rainfall, in inches]

	1982					
Day	April	May	June	July	August	September
	0.00	0.00	0.00	0.09	0.00	0.00
2	.00	.04	.05	.00	.00	.00
3	.00	.00	.38	.00	1.09	.00
4	.00	.00	.00	.01	.35	.01
5	.04	.35	.00	.00	.00	.01
6	.00	.00	.00	.00	.01	.01
7	.00	.00	.00	.00	.10	.01
8	.01	.00	.00	.01	.00	.01
9	.00	.00	.00	.13	.01	.00
10	.00	.00	.00	.00	.11	.01
11	.00	.00	.38	.00	.12	.25
12	.00	1.01	.15	.01	.38	.27
13	.00	.48	.01	.00	.02	.42
14	.00	.37	.00	.01	.00	.15
15	.00	.01	.00	.01	.01	.05
16	.00	.84	.00	.01	.02	*.03
17	.00	.00	.15	.04	.01	---
18	.00	.01	.37	.01	.01	---
19	.00	.07	.01	.01	.00	---
20	.01	.00	.00	.00	1.80	---
21	.00	.00	.00	.05	.01	---
22	.00	.00	.00	.00	.00	---
23	.00	.01	.10	.00	.04	---
24	.00	.29	.51	.00	.00	---
25	.00	.40	.75	.00	.01	---
26	.05	.09	.00	.00	.00	---
27	.05	.00	.00	.07	.00	---
28	.01	.00	.01	.16	.07	---
29	.01	.04	.01	.33	.00	---
30	.00	.11	.00	.01	.01	---
31	---	.03	---	.00	.01	---

*Partial day's data.

Table 14.--*Daily rainfall estimated using an unofficial gage at site 393221104520301 Frontage Road rain gage at Interstate Highway 25 and West Parker Road*

[Rainfall, in inches]

	1982			
Day	June	July	August	September
1	---	---	---	0.00
2	---	---	---	.00
3	---	---	1.15	.00
4	---	---	.27	.00
5	---	---	---	.01
6	---	---	---	.17
7	---	---	---	.02
8	---	0.01	---	.00
9	---	.08	.03	.00
10	---	.00	.00	.14
11	---	.08	.16	.28
12	---	.01	.35	.13
13	---	.00	.01	.52
14	---	.00	.00	.12
15	---	.00	.00	.21
16	---	.01	.07	.01
17	---	.02	.41	.03
18	---	.01	.01	.01
19	---	.00	.00	.01
20	---	.00	.61	.00
21	---	.01	.00	.01
22	---	.00	.00	.00
23	---	.01	.06	.00
24	*0.95	.00	.00	.00
25	.92	.00	.01	.00
26	---	.00	.01	.00
27	---	.07	.19	.01
28	---	.52	.01	.00
29	---	.33	.00	.00
30	---	---	.00	.00
31	---	---	.00	---

*Partial day's data.

Table 15.--*Daily rainfall estimated using an unofficial gage at site 393357105060401 Chatfield Avenue and Garrison Street raingage near Littleton*

[Rainfall, in inches]

	1982			
Day	June	July	August	September
1	---	0.00	0.01	0.00
2	---	.00	.03	.00
3	---	.00	.07	.00
4	---	.00	.15	.01
5	---	.00	.01	.05
6	---	.00	.52	.12
7	---	.00	.01	.01
8	---	.00	.01	.00
9	---	.48	.00	.00
10	---	.00	.06	.01
11	---	.08	.34	.69
12	---	.00	.14	.11
13	---	.00	.07	.46
14	---	.00	.01	.10
15	---	.00	.00	.20
16	---	.00	.02	.00
17	---	.00	.51	.04
18	---	.01	.02	.01
19	---	.01	.01	.01
20	---	.00	.68	.00
21	---	.00	.00	.00
22	---	.00	.01	.01
23	---	.00	.02	.00
24	---	.00	.00	.01
25	0.10	.00	.00	.00
26	.01	.00	.01	.00
27	.00	.21	.01	.01
28	.00	.58	.19	.00
29	.00	.26	.00	.01
30	.00	.01	.00	.13
31	---	.00	.00	---

Table 16.--*Daily rainfall estimated using an unofficial gage at site 393734104480901 Melvin School rain gage at Aurora*

[Rainfall, in inches]

	1982			
Day	June	July	August	September
1	---	0.09	0.02	0.01
2	---	.00	.02	.00
3	---	.00	*.62	.00
4	---	.00	---	.00
5	---	.00	---	.04
6	---	.00	.15	.04
7	---	.01	.00	.00
8	---	.01	.00	.00
9	---	.10	.00	.00
10	---	.00	.00	.00
11	---	.00	.17	.26
12	0.00	.01	.28	.17
13	.00	.00	.04	*.04
14	.02	.01	.00	---
15	.00	.00	.00	---
16	.00	.00	1.12	.00
17	.35	.14	.32	.01
18	.43	.01	.00	.01
19	.01	.00	.01	.00
20	.00	.00	.40	.00
21	.00	.00	.02	.00
22	.00	.00	.00	.00
23	.00	.00	.04	.00
24	.13	.01	.00	.00
25	.09	.01	.01	.00
26	.00	.00	.01	.00
27	.00	.03	.00	.00
28	.01	1.78	.04	.00
29	.00	.42	.00	.00
30	.00	.01	.00	.00
31	---	.01	.00	---

*Partial day's data.

Table 17.--*Estimated daily rainfall using an unofficial gage at site 393751104493001 Cherry Creek tributary No. 1 rain gage near Aurora*

[Rainfall, in inches]

	1982			
Day	June	July	August	September
1	---	0.01	0.02	0.01
2	---	.00	.04	.01
3	---	.01	1.04	.01
4	---	.01	.76	.01
5	---	.00	.03	.05
6	---	.01	.04	.11
7	---	.01	.03	.01
8	---	.00	.02	.00
9	---	.13	.00	.00
10	---	.00	.01	.00
11	---	.00	.19	.38
12	---	.01	.33	.22
13	---	.01	.07	.55
14	---	.00	.02	.21
15	---	.00	.01	.23
16	---	.00	.59	.01
17	---	.01	.37	.04
18	---	.00	.01	.02
19	---	.01	.02	.00
20	---	.01	.48	.00
21	---	.00	.02	.01
22	---	.00	.01	.02
23	---	.01	.04	.00
24	*0.06	.00	.01	.00
25	.07	.01	.02	.00
26	.01	.00	.02	.00
27	.00	.02	.01	.01
28	.00	1.90	.03	.00
29	.01	.62	.01	.01
30	.01	.02	.01	.01
31	---	.01	.01	---

*Partial day's data.

RAINFALL DATA FOR THE RAIN GAGES IN THE
DRAINAGE BASINS OF CHATFIELD AND CHERRY CREEK LAKES

Site no.	Name	Table
393321105041701	Massey Draw rain gage above Chatfield Lake----------	18-30
392904105000701	Plum Creek rain gage near Louviers----------	31-39
393541104484301	Cherry Creek rain gage at Arapahoe Road----------	40-54
393631104483601	Piney Creek rain gage at Parker Road----------	55-60
393729104505601	Cottonwood Creek rain gage above Cherry Creek Lake--	61-74
391025104500401	Greenland rain gage near Greenland----------	75-89
392404104513301	High School Road rain gage near Castle Rock---------	90-103
393034105051101	Chatfield Lake rain gage near Littleton----------	104-120
393117104454401	Parker rain gage at Parker----------	121-144
393221104520301	Frontage Road rain gage at Interstate Highway 25 and West Parker Road----------	145-157
393357105060401	Chatfield Avenue and Garrison Street rain gage near Littleton----------	158-171
393734104480901	Melvin School rain gage at Aurora----------	172-185
393751104493001	Cherry Creek tributary No. 1 rain gage near Aurora--	186-197

Table 18.--Rainfall data, June 25-26, 1982, for site 393321105041701 Massey Draw rain gage above Chatfield Lake

		RAINFALL, IN INCHES, DURING INDICATED INTERVAL								
DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL		
6-25	1625	0.01	6-25	2010	0.01					
6-25	1650	0.01	6-25	2150	0.01					
6-25	1715	0.01	6-25	2230	0.01	6-26	1555	0.04		
STORM TOTAL =	0.10									
DURATION	5 MIN	15 MIN	30 MIN	1 HR						
TIME	1550	1550	1550	1550						
DEPTH	0.04	0.04	0.04	0.04						
INTENSITY	0.48	0.16	0.08	0.04						

Table 19.--Rainfall data, July 9, 1982, for site 393321105041701 Massey Draw rain gage above Chatfield Lake

		RAINFALL, IN INCHES, DURING INDICATED INTERVAL								
DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL		
7-09	0605	0.01	7-09	1335	0.03	7-09	1355	0.01		
7-09	0610	0.01	7-09	1340	0.12	7-09	1400	0.01		
7-09	0655	0.01	7-09	1345	0.11	7-09	1410	0.01		
			7-09	1350	0.05					
STORM TOTAL =	0.37									
DURATION	5 MIN	15 MIN	30 MIN	1 HR						
TIME	1335	1335	1330	1330						
DEPTH	0.12	0.28	0.33	0.34						
INTENSITY	1.44	1.12	0.66	0.34						

Table 20.--Rainfall data, July 11, 1982, for site 393321105041701 Massey Draw rain gage above Chatfield Lake

		RAINFALL, IN INCHES, DURING INDICATED INTERVAL								
DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL		
7-11	1535	0.01	7-11	1845	0.02	7-11	1940	0.01		
7-11	1605	0.01	7-11	1920	0.01	7-11	2025	0.01		
STORM TOTAL =	0.07									
DURATION	5 MIN	15 MIN	30 MIN	1 HR						
TIME	1840	1840	1915	1840						
DEPTH	0.02	0.02	0.02	0.04						
INTENSITY	0.24	0.08	0.04	0.04						

Table 21.--Rainfall data, July 13, 1982, for site 393321105041701 Massey Draw rain gage above Chatfield Lake

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-13	1945	0.01	7-13	1950	0.01	7-13	2025	0.01
			7-13	2010	0.01			
			7-13	2015	0.01			

STORM TOTAL = 0.05

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1940	1940	1940	1940
DEPTH	0.01	0.02	0.03	0.05
INTENSITY	0.12	0.08	0.06	0.05

Table 22.--Rainfall data, July 17, 1982, for site 393321105041701 Massey Draw rain gage above Chatfield Lake

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-17	1440	0.01	7-17	1800	0.01	7-17	1805	0.02

STORM TOTAL = 0.04

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1800	1755	1755	1755
DEPTH	0.02	0.03	0.03	0.03
INTENSITY	0.24	0.12	0.06	0.03

Table 23.--Rainfall data, July 27-29, 1982, for site 393321105041701 Massey Draw rain gage above Chatfield Lake

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-27	0500	0.01	7-28	1520	0.01	7-28	2105	0.01
7-27	0510	0.01	7-28	1535	0.01	7-28	2115	0.01
7-27	0515	0.01	7-28	1540	0.01	7-28	2125	0.01
7-27	0520	0.01	7-28	1545	0.01	7-28	2130	0.01
7-27	0525	0.01	7-28	1550	0.01	7-28	2135	0.01
7-27	0530	0.01	7-28	1555	0.02			
7-27	0545	0.01	7-28	1600	0.01			
7-27	0555	0.02	7-28	1605	0.01	7-29	0430	0.01
7-27	0605	0.01	7-28	1610	0.01	7-29	0445	0.01
7-27	0620	0.01	7-28	1615	0.01	7-29	0500	0.01
7-27	0635	0.01	7-28	1645	0.01	7-29	0510	0.02
7-27	0650	0.01	7-28	1935	0.01	7-29	0515	0.01
7-27	0715	0.01	7-28	1940	0.01	7-29	0710	0.01
			7-28	1950	0.02	7-29	1420	0.01
			7-28	2000	0.01	7-29	1450	0.01
7-28	1430	0.01	7-28	2010	0.01	7-29	1500	0.01
7-28	1440	0.01	7-28	2025	0.01	7-29	1650	0.01
7-28	1445	0.01	7-28	2030	0.02	7-29	1820	0.01
7-28	1450	0.01	7-28	2035	0.03	7-29	1930	0.01
7-28	1455	0.01	7-28	2040	0.03	7-29	2030	0.01
7-28	1510	0.01	7-28	2045	0.02	7-29	2150	0.01
7-28	1515	0.01	7-28	2050	0.01	7-29	2240	0.01
			7-28	2055	0.02			
			7-28	2100	0.02			

STORM TOTAL = 0.76

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2030	2025	2025	2005
DEPTH	0.03	0.08	0.13	0.18
INTENSITY	0.36	0.32	0.26	0.18

Table 24.--Rainfall data, August 2, 1982 for site 393321105041701 Massey Draw rain gage above Chatfield Lake

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-02	2240	0.02	8-02	2245	0.02	8-02	2300	0.01

STORM TOTAL = 0.05

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2235	2235	2235	2235
DEPTH	0.02	0.04	0.05	0.05
INTENSITY	0.24	0.16	0.10	0.05

Table 25.--Rainfall data, August 4, 1982, for site 393321105041701 Massey Draw rain gage above Chatfield Lake

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-04	1430	0.05	8-04	1440	0.01	8-04	1515	0.01
8-04	1435	0.02	8-04	1445	0.01	8-04	1520	0.01

STORM TOTAL = 0.11

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1425	1425	1425	1425
DEPTH	0.05	0.08	0.09	0.11
INTENSITY	0.60	0.32	0.18	0.11

Table 26.--Rainfall data, August 6, 1982, for site 393321105041701 Massey Draw rain gage above Chatfield Lake

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
			8-06	1825	0.22			

STORM TOTAL = 0.22

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1820	1820	1820	1820
DEPTH	0.22	0.22	0.22	0.22
INTENSITY	2.64	0.88	0.44	0.22

Table 27.--Rainfall data, August 28, 1982, for site 393321105041701 Massey Draw rain gage above Chatfield Lake

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-28	1945	0.02	8-28	1950	0.24	8-28	2120	0.01

STORM TOTAL = 0.27

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1945	1940	1940	1940
DEPTH	0.24	0.26	0.26	0.26
INTENSITY	2.88	1.04	0.52	0.26

Table 28.--Rainfall data, September 5-6, 1982, for site 393321105041701 Massey Draw rain gage above Chatfield Lake

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-05	1540	0.01	9-05	1710	0.01	9-06	1655	0.16
9-05	1600	0.01	9-05	2105	0.01	9-06	1700	0.06
9-05	1615	0.01				9-06	1705	0.01
9-05	1645	0.01				9-06	1710	0.04
9-05	1655	0.01	9-06	1650	0.01	9-06	1715	0.03

STORM TOTAL = 0.38

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1650	1645	1645	1645
DEPTH	0.16	0.23	0.31	0.31
INTENSITY	1.92	0.92	0.62	0.31

Table 29.--Rainfall data, September 11-14, 1982, for site 393321105041701 Massey Draw rain gage above Chatfield Lake

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-11	0910	0.01	9-11	1810	0.01	9-13	0030	0.01
9-11	0925	0.01	9-11	1815	0.01	9-13	0035	0.01
9-11	0930	0.01	9-11	1825	0.01	9-13	0040	0.02
9-11	0935	0.01	9-11	1830	0.01	9-13	0045	0.01
9-11	0945	0.01	9-11	1845	0.01	9-13	0050	0.02
9-11	0955	0.01	9-11	1855	0.01	9-13	0055	0.03
9-11	1005	0.01	9-11	1900	0.02	9-13	0100	0.05
9-11	1015	0.01	9-11	1905	0.01	9-13	0105	0.02
9-11	1025	0.01	9-11	1910	0.01	9-13	0115	0.01
9-11	1030	0.01	9-11	1915	0.01	9-13	0125	0.01
9-11	1040	0.01	9-11	1920	0.02	9-13	1340	0.01
9-11	1045	0.01	9-11	1925	0.03	9-13	1345	0.04
9-11	1055	0.01	9-11	1930	0.03	9-13	1350	0.01
9-11	1105	0.01	9-11	1935	0.01	9-13	1405	0.03
9-11	1130	0.01	9-11	1940	0.01	9-13	1410	0.01
9-11	1145	0.01	9-11	1945	0.01	9-13	1415	0.02
9-11	1200	0.01	9-11	1950	0.01	9-13	1420	0.01
9-11	1240	0.01	9-11	1955	0.01	9-13	1500	0.01
9-11	1300	0.01	9-11	2000	0.01	9-13	1510	0.01
9-11	1315	0.01	9-11	2010	0.01	9-13	1535	0.07
9-11	1325	0.01	9-11	2015	0.01	9-13	1540	0.03
9-11	1330	0.01	9-11	2045	0.01	9-13	1545	0.08
9-11	1345	0.01	9-11	2105	0.01	9-13	1550	0.03
9-11	1350	0.01	9-11	2115	0.01	9-13	1555	0.01
9-11	1410	0.01	9-11	2225	0.01	9-13	1615	0.01
9-11	1415	0.01	9-11	2305	0.01	9-13	1620	0.01
9-11	1425	0.01	9-11	2400	0.01	9-13	2040	0.01
9-11	1430	0.01				9-13	2045	0.01
9-11	1445	0.01				9-13	2055	0.01
9-11	1515	0.01	9-12	0025	0.01			
9-11	1550	0.01	9-12	0320	0.01			
9-11	1555	0.01	9-12	1400	0.01	9-14	1655	0.01
9-11	1605	0.01	9-12	1410	0.01	9-14	2030	0.01
9-11	1615	0.01	9-12	1425	0.01	9-14	2035	0.01
9-11	1620	0.01	9-12	1445	0.01	9-14	2040	0.01
9-11	1630	0.01	9-12	1450	0.01	9-14	2050	0.01
9-11	1640	0.01	9-12	1500	0.01	9-14	2055	0.01
9-11	1650	0.01	9-12	1510	0.01	9-14	2110	0.01
9-11	1700	0.01	9-12	1535	0.01	9-14	2115	0.01
9-11	1715	0.01	9-12	1555	0.01	9-14	2120	0.01
9-11	1720	0.01	9-12	1600	0.01	9-14	2125	0.01
9-11	1725	0.01	9-12	1610	0.01	9-14	2130	0.01
9-11	1730	0.01	9-12	1620	0.01	9-14	2140	0.01
9-11	1740	0.01	9-12	1630	0.01	9-14	2150	0.01
9-11	1750	0.01	9-12	1650	0.01	9-14	2200	0.01
9-11	1805	0.01				9-14	2325	0.01
			9-13	0015	0.01			

STORM TOTAL = 1.72

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1540	1530	1530	1455
DEPTH	0.08	0.18	0.22	0.24
INTENSITY	0.96	0.72	0.44	0.24

Table 30.--Rainfall data, September 30, 1982, for site 393321105041701 Massey Draw rain gage above Chatfield Lake

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-30	0805	0.01	9-30	1040	0.01	9-30	1435	0.01

STORM TOTAL = 0.03

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	0800	0800	0800	0800
DEPTH	0.01	0.01	0.01	0.01
INTENSITY	0.12	0.04	0.02	0.01

Table 31.--Rainfall data, July 27-29, 1982, for site 392904105000701 Plum Creek rain gage near Louviers

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-27	0430	0.01	7-28	2115	0.02	7-29	0520	0.01
7-27	0445	0.01	7-28	2120	0.01	7-29	0530	0.01
7-27	0535	0.01	7-28	2125	0.01	7-29	0535	0.01
7-27	0610	0.01	7-28	2130	0.01	7-29	0540	0.01
7-27	0615	0.01	7-28	2135	0.01	7-29	0550	0.01
7-27	0620	0.01	7-28	2140	0.01	7-29	0555	0.01
7-27	1730	0.01	7-28	2155	0.01	7-29	0610	0.01
			7-28	2225	0.01	7-29	0620	0.01
						7-29	0650	0.01
7-28	1540	0.01				7-29	0725	0.01
7-28	1550	0.05	7-29	0410	0.02	7-29	0735	0.01
7-28	1555	0.14	7-29	0415	0.02	7-29	1550	0.01
7-28	1600	0.16	7-29	0420	0.08	7-29	1750	0.01
7-28	1605	0.14	7-29	0425	0.03	7-29	1925	0.01
7-28	1610	0.18	7-29	0430	0.05	7-29	2005	0.01
7-28	1615	0.06	7-29	0435	0.01	7-29	2105	0.01
7-28	1620	0.01	7-29	0440	0.03	7-29	2140	0.01
7-28	1630	0.01	7-29	0445	0.07	7-29	2205	0.01
7-28	1950	0.01	7-29	0450	0.02	7-29	2215	0.01
7-28	2005	0.01	7-29	0455	0.02	7-29	2225	0.01
7-28	2050	0.01	7-29	0500	0.02	7-29	2235	0.01
7-28	2105	0.01	7-29	0505	0.02	7-29	2250	0.01
			7-29	0510	0.02			
			7-29	0515	0.01			

STORM TOTAL = 1.60

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1605	1555	1545	1535
DEPTH	0.18	0.48	0.73	0.76
INTENSITY	2.16	1.92	1.46	0.76

Table 32.--Rainfall data, August 2-4, 1982, for site 392904105000701 Plum Creek rain gage near Louviers

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-02	1740	0.01	8-03	2045	0.01			
8-02	2245	0.02	8-03	2050	0.01			
8-02	2250	0.01	8-03	2055	0.01	8-04	0005	0.01
8-02	2340	0.01	8-03	2100	0.01	8-04	0015	0.01
			8-03	2110	0.01	8-04	0025	0.01
			8-03	2300	0.01	8-04	0030	0.01
8-03	2005	0.01	8-03	2310	0.01	8-04	0035	0.01
8-03	2025	0.02	8-03	2320	0.01	8-04	0040	0.01
8-03	2030	0.07	8-03	2325	0.01	8-04	0045	0.01
8-03	2035	0.06	8-03	2335	0.01	8-04	0050	0.01
8-03	2040	0.02	8-03	2340	0.01	8-04	0115	0.01
			8-03	2350	0.01			
			8-03	2355	0.01			

STORM TOTAL = 0.45

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2025	2020	2020	2000
DEPTH	0.07	0.15	0.19	0.22
INTENSITY	0.84	0.60	0.38	0.22

Table 33.--Rainfall data, August 17, 1982, for site 392904105000701 Plum Creek rain gage near Louviers

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-17	1925	0.01	8-17	1930	0.01	8-17	1940	0.02

STORM TOTAL = 0.04

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1935	1925	1920	1920
DEPTH	0.02	0.03	0.04	0.04
INTENSITY	0.24	0.12	0.08	0.04

Table 34.--Rainfall data, August 20, 1982, for site 392904105000701 Plum Creek rain gage near Louviers

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-20	1620	0.01	8-20	1805	0.01	8-20	2040	0.01
8-20	1625	0.01	8-20	1810	0.08	8-20	2045	0.01
8-20	1635	0.01	8-20	1815	0.05	8-20	2055	0.02
8-20	1645	0.01	8-20	1820	0.02	8-20	2100	0.01
8-20	1700	0.01	8-20	1835	0.01	8-20	2105	0.02
8-20	1735	0.01	8-20	1915	0.01	8-20	2110	0.01
8-20	1740	0.01	8-20	2010	0.01	8-20	2115	0.02
8-20	1745	0.02	8-20	2015	0.01	8-20	2120	0.02
8-20	1800	0.01	8-20	2020	0.01	8-20	2130	0.01
			8-20	2025	0.01			
			8-20	2030	0.01			

STORM TOTAL = 0.46

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1805	1805	1755	1730
DEPTH	0.08	0.15	0.17	0.21
INTENSITY	0.96	0.60	0.34	0.21

Table 35.--Rainfall data, August 27-28, 1982, for site 392904105000701 Plum Creek rain gage near Louviers

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-27	1500	0.01	8-27	1535	0.03	8-28	1830	0.01
8-27	1510	0.04	8-27	1540	0.01	8-28	1835	0.03
8-27	1515	0.06				8-28	1840	0.03
8-27	1520	0.07				8-28	1845	0.01
8-27	1525	0.14	8-28	1820	0.01	8-28	1850	0.01
8-27	1530	0.08	8-28	1825	0.01	8-28	1855	0.01

STORM TOTAL = 0.56

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1520	1515	1505	1455
DEPTH	0.14	0.29	0.42	0.44
INTENSITY	1.68	1.16	0.84	0.44

Table 36.--Rainfall data, September 5, 1982, for site 392904105000701 Plum Creek rain gage near Louviers

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-05	1010	0.01	9-05	1625	0.01	9-05	1715	0.01
9-05	1615	0.01	9-05	1640	0.01	9-05	1740	0.01
			9-05	1700	0.01			

STORM TOTAL = 0.07

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1005	1610	1610	1610
DEPTH	0.01	0.02	0.03	0.04
INTENSITY	0.12	0.08	0.06	0.04

Table 37.--Rainfall data, September 11-15, 1982, for site 392904105000701 Plum Creek rain gage near Louviers

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-11	1005	0.01	9-12	0400	0.01	9-13	2045	0.05
9-11	1015	0.01	9-12	1415	0.01	9-13	2055	0.01
9-11	1025	0.01	9-12	1440	0.01			
9-11	1045	0.01	9-12	1450	0.01			
9-11	1305	0.01	9-12	1500	0.01	9-14	1920	0.01
9-11	1325	0.01	9-12	1510	0.01	9-14	1925	0.01
9-11	1335	0.01	9-12	1530	0.01	9-14	2005	0.01
9-11	1410	0.01	9-12	1600	0.01	9-14	2010	0.01
9-11	1435	0.02	9-12	1620	0.01	9-14	2025	0.01
9-11	1600	0.01	9-12	1635	0.01	9-14	2035	0.01
9-11	1610	0.02	9-12	2340	0.01	9-14	2050	0.01
9-11	1615	0.02	9-12	2350	0.01	9-14	2100	0.01
9-11	1620	0.01	9-12	2355	0.01	9-14	2105	0.02
9-11	1630	0.01				9-14	2110	0.01
9-11	1655	0.01				9-14	2115	0.01
9-11	1720	0.01	9-13	0010	0.01	9-14	2125	0.01
9-11	1735	0.01	9-13	0030	0.01	9-14	2130	0.01
9-11	1755	0.01	9-13	0035	0.01	9-14	2135	0.01
9-11	1835	0.01	9-13	0040	0.01	9-14	2145	0.02
9-11	1840	0.01	9-13	0045	0.02	9-14	2150	0.01
9-11	1845	0.02	9-13	0050	0.01	9-14	2245	0.01
9-11	1850	0.01	9-13	0055	0.02			
9-11	1855	0.01	9-13	0100	0.01			
9-11	1900	0.02	9-13	0105	0.02	9-15	0050	0.01
9-11	1905	0.02	9-13	0110	0.02	9-15	0105	0.01
9-11	1910	0.01	9-13	0115	0.01	9-15	0125	0.01
9-11	1915	0.01	9-13	0120	0.01	9-15	0135	0.01
9-11	1920	0.01	9-13	0130	0.01	9-15	0140	0.01
9-11	1935	0.01	9-13	1305	0.01	9-15	0145	0.01
9-11	1940	0.01	9-13	1310	0.01	9-15	0150	0.01
9-11	1945	0.01	9-13	1355	0.01	9-15	0200	0.01
9-11	1950	0.01	9-13	1400	0.01	9-15	0215	0.01
9-11	2000	0.01	9-13	1405	0.01	9-15	0240	0.01
9-11	2010	0.01	9-13	1410	0.01	9-15	0305	0.01
9-11	2020	0.01	9-13	1415	0.01	9-15	0320	0.01
9-11	2030	0.01	9-13	1425	0.01	9-15	0340	0.01
9-11	2035	0.01	9-13	1430	0.01	9-15	0345	0.01
9-11	2050	0.01	9-13	1500	0.01	9-15	0350	0.01
9-11	2100	0.01	9-13	1520	0.02	9-15	0355	0.01
9-11	2220	0.01	9-13	1525	0.03	9-15	0400	0.01
9-11	2240	0.01	9-13	1530	0.04	9-15	0410	0.01
9-11	2245	0.01	9-13	1540	0.06	9-15	0415	0.01
9-11	2320	0.01	9-13	1545	0.01	9-15	0425	0.01
9-11	2350	0.01	9-13	1600	0.01	9-15	0435	0.01
			9-13	1605	0.03	9-15	0525	0.01
			9-13	1610	0.01	9-15	0555	0.01
9-12	0205	0.01	9-13	1615	0.01	9-15	0625	0.01
9-12	0325	0.01	9-13	2040	0.03	9-15	0630	0.01

STORM TOTAL = 1.67

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1535	1525	1515	1515
DEPTH	0.06	0.10	0.16	0.22
INTENSITY	0.72	0.40	0.32	0.22

Table 38.--Rainfall data, September 18, 1982, for site 392904105000701 Plum Creek rain gage near Louviers

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-18	1510	0.02	9-18	1530	0.08	9-18	1640	0.01
9-18	1515	0.03	9-18	1535	0.04	9-18	1650	0.02
9-18	1520	0.08	9-18	1540	0.02	9-18	1655	0.02
9-18	1525	0.06	9-18	1545	0.01	9-18	1700	0.01
			9-18	1600	0.01			

STORM TOTAL = 0.41

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1515	1515	1505	1505
DEPTH	0.08	0.22	0.31	0.35
INTENSITY	0.96	0.88	0.62	0.35

Table 39.--Rainfall data, September 30, 1982, for site 392904105000701 Plum Creek rain gage near Louviers

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-30	1105	0.01	9-30	1425	0.01	9-30	2155	0.01
			9-30	1430	0.01			
			9-30	2115	0.01			

STORM TOTAL = 0.05

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1100	1420	1420	1420
DEPTH	0.01	0.02	0.02	0.02
INTENSITY	0.12	0.08	0.04	0.02

Table 40.--Rainfall data, June 18, 1982 for site 393541104484301 Cherry Creek rain gage at Arapahoe Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
6-18	1105	0.01	6-18	1130	0.01	6-18	1300	0.01
6-18	1115	0.01	6-18	1135	0.01	6-18	1320	0.01
6-18	1120	0.01	6-18	1140	0.01	6-18	1340	0.01
6-18	1125	0.01	6-18	1150	0.01	6-18	1815	0.01

STORM TOTAL = 0.12

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1100	1110	1110	1100
DEPTH	0.01	0.03	0.06	0.08
INTENSITY	0.12	0.12	0.12	0.08

Table 41.--Rainfall data, June 24-25, 1982 for site 393541104484301 Cherry Creek rain gage at Arapahoe Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
6-24	1700	0.01				6-25	2045	0.03
6-24	1705	0.02	6-25	2020	0.01	6-25	2050	0.01
6-24	1710	0.01	6-25	2025	0.10	6-25	2055	0.01
6-24	1715	0.01	6-25	2030	0.11	6-25	2125	0.01
			6-25	2035	0.10	6-25	2155	0.01
			6-25	2040	0.02			

STORM TOTAL = 0.46

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2025	2020	2015	2015
DEPTH	0.11	0.31	0.37	0.39
INTENSITY	1.32	1.24	0.74	0.39

Table 42.--Rainfall data, June 28, 1982 for site 393541104484301 Cherry Creek rain gage at Arapahoe Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
			6-28	2150	0.03			

STORM TOTAL = 0.03

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2145	2145	2145	2145
DEPTH	0.03	0.03	0.03	0.03
INTENSITY	0.36	0.12	0.06	0.03

Table 43.--Rainfall data, July 1, 1982 for site 393541104484301 Cherry Creek rain gage at Arapahoe Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-01	1455	0.01	7-01	1500	0.06	7-01	1510	0.02
			7-01	1505	0.13			

STORM TOTAL = 0.22

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1500	1455	1450	1450
DEPTH	0.13	0.21	0.22	0.22
INTENSITY	1.56	0.84	0.44	0.22

Table 44.--Rainfall data, July 9, 1982 for site 393541104484301 Cherry Creek rain gage at Arapahoe Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-09	0400	0.01	7-09	0830	0.01	7-09	1410	0.02
7-09	0415	0.01	7-09	0840	0.01	7-09	1415	0.05
7-09	0720	0.01	7-09	1400	0.07	7-09	1420	0.01
			7-09	1405	0.01			

STORM TOTAL = 0.21

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1355	1355	1355	1355
DEPTH	0.07	0.10	0.16	0.16
INTENSITY	0.84	0.40	0.32	0.16

Table 45.--Rainfall data, July 17, 1982 for site 393541104484301 Cherry Creek rain gage at Arapahoe Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-17	1615	0.01	7-17	1620	0.02	7-17	1650	0.01

STORM TOTAL = 0.04

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1615	1610	1610	1610
DEPTH	0.02	0.03	0.03	0.04
INTENSITY	0.24	0.12	0.06	0.04

Table 46.--Rainfall data, July 27-29, 1982 for site 393541104484301 Cherry Creek rain gage at Arapahoe Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-27	0415	0.02	7-28	1705	0.01	7-29	0520	0.09
7-27	0425	0.01	7-28	1740	0.01	7-29	0525	0.05
			7-28	2055	0.01	7-29	0535	0.01
			7-28	2110	0.01	7-29	0720	0.01
7-28	1340	0.03	7-28	2120	0.01	7-29	0740	0.01
7-28	1345	0.02	7-28	2125	0.01	7-29	1540	0.01
7-28	1400	0.01	7-28	2130	0.01	7-29	1550	0.01
7-28	1405	0.02	7-28	2135	0.01	7-29	1555	0.01
7-28	1420	0.05	7-28	2145	0.01	7-29	1600	0.01
7-28	1425	0.07	7-28	2150	0.01	7-29	1610	0.01
7-28	1430	0.07	7-28	2155	0.01	7-29	1615	0.01
7-28	1435	0.18	7-28	2215	0.01	7-29	1630	0.01
7-28	1440	0.13				7-29	1640	0.01
7-28	1445	0.03				7-29	1650	0.01
7-28	1455	0.01	7-29	0425	0.01	7-29	1700	0.01
7-28	1500	0.01	7-29	0430	0.01	7-29	1710	0.01
7-28	1630	0.02	7-29	0445	0.01	7-29	1715	0.01
7-28	1635	0.01	7-29	0455	0.01	7-29	1735	0.01
7-28	1640	0.01	7-29	0505	0.02	7-29	1835	0.01
7-28	1650	0.01	7-29	0510	0.05	7-29	2005	0.01
7-28	1655	0.01	7-29	0515	0.07	7-29	2125	0.01

STORM TOTAL = 1.35

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1430	1425	1415	1355
DEPTH	0.18	0.38	0.53	0.57
INTENSITY	2.16	1.52	1.06	0.57

Table 47.--Rainfall data, August 2-4, 1982 for site 393541104484301 Cherry Creek rain gage at Arapahoe Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-02	2300	0.01	8-03	2115	0.01	8-04	0015	0.01
8-02	2305	0.03	8-03	2145	0.01	8-04	0020	0.02
8-02	2310	0.01	8-03	2215	0.01	8-04	0025	0.01
8-02	2315	0.01	8-03	2300	0.01	8-04	0030	0.01
8-02	2335	0.01	8-03	2310	0.01	8-04	0050	0.03
			8-03	2315	0.01	8-04	0055	0.03
			8-03	2320	0.02	8-04	0100	0.03
8-03	1950	0.02	8-03	2325	0.03	8-04	0105	0.02
8-03	2005	0.01	8-03	2330	0.04	8-04	0110	0.03
8-03	2035	0.03	8-03	2335	0.03	8-04	0115	0.01
8-03	2040	0.03	8-03	2340	0.02	8-04	0120	0.02
8-03	2045	0.11	8-03	2345	0.01	8-04	0130	0.01
8-03	2050	0.18	8-03	2350	0.02	8-04	0135	0.01
8-03	2055	0.13	8-03	2355	0.01	8-04	0140	0.01
8-03	2100	0.12	8-03	2400	0.02	8-04	0145	0.01
8-03	2105	0.02				8-04	1510	0.01
8-03	2110	0.02				8-04	1520	0.01

STORM TOTAL = 1.28

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2045	2045	2030	2030
DEPTH	0.18	0.43	0.60	0.65
INTENSITY	2.16	1.72	1.20	0.65

Table 48.--Rainfall data, August 6, 1982 for site 393541104484301 Cherry Creek rain gage at Arapahoe Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-06	1745	0.01	8-06	1750	0.01	8-06	1810	0.01
			8-06	1800	0.06			
			8-06	1805	0.04			

STORM TOTAL = 0.13

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1755	1755	1740	1740
DEPTH	0.06	0.11	0.13	0.13
INTENSITY	0.72	0.44	0.26	0.13

Table 49.--Rainfall data, August 11-12, 1982 for site 393541104484301 Cherry Creek rain gage at Arapahoe Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-11	2125	0.07	8-11	2250	0.01	8-12	1825	0.01
8-11	2130	0.03	8-11	2255	0.01	8-12	1830	0.01
8-11	2135	0.02				8-12	1835	0.01
8-11	2140	0.02				8-12	1840	0.01
8-11	2145	0.02	8-12	1710	0.04	8-12	1845	0.02
8-11	2200	0.01	8-12	1715	0.06	8-12	1850	0.02
8-11	2205	0.01	8-12	1720	0.05	8-12	1855	0.02
8-11	2210	0.02	8-12	1725	0.02	8-12	1900	0.03
8-11	2215	0.01	8-12	1730	0.01	8-12	1905	0.02
8-11	2220	0.01	8-12	1735	0.04	8-12	1910	0.01
8-11	2225	0.01	8-12	1740	0.03	8-12	1920	0.01
8-11	2230	0.01	8-12	1745	0.02	8-12	1925	0.01
8-11	2235	0.01	8-12	1750	0.02	8-12	1930	0.02
8-11	2240	0.01	8-12	1755	0.01	8-12	1935	0.01
8-11	2245	0.01	8-12	1810	0.01	8-12	1940	0.01
			8-12	1815	0.01			
			8-12	1820	0.02			

STORM TOTAL = 0.85

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2120	1705	1705	1705
DEPTH	0.07	0.15	0.22	0.30
INTENSITY	0.84	0.60	0.44	0.30

Table 50.--Rainfall data, August 16, 1982 for site 393541104484301 Cherry Creek rain gage at Arapahoe Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-16	1845	0.05	8-16	1900	0.08	8-16	1940	0.01
8-16	1850	0.04	8-16	1905	0.12	8-16	2205	0.01
8-16	1855	0.04	8-16	1910	0.02	8-16	2245	0.01
			8-16	1915	0.01			

STORM TOTAL = 0.39

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1900	1850	1840	1840
DEPTH	0.12	0.24	0.35	0.37
INTENSITY	1.44	0.96	0.70	0.37

Table 51.--Rainfall data, August 20, 1982 for site 393541104484301 Cherry Creek rain gage at Arapahoe Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-20	1945	0.01	8-20	2020	0.14	8-20	2105	0.01
8-20	1950	0.13	8-20	2025	0.05	8-20	2110	0.01
8-20	1955	0.12	8-20	2030	0.01	8-20	2115	0.01
8-20	2000	0.07	8-20	2035	0.02	8-20	2120	0.01
8-20	2005	0.04	8-20	2040	0.01	8-20	2125	0.01
8-20	2010	0.05	8-20	2050	0.01	8-20	2130	0.01
8-20	2015	0.07	8-20	2055	0.01	8-20	2155	0.01
			8-20	2100	0.01			

STORM TOTAL = 0.82

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2015	1945	1950	1940
DEPTH	0.14	0.32	0.49	0.72
INTENSITY	1.68	1.28	0.98	0.72

Table 52.--Rainfall data, August 28, 1982 for site 393541104484301 Cherry Creek rain gage at Arapahoe Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-28	2015	0.01	8-28	2020	0.02	8-28	2030	0.01
			8-28	2025	0.06			

STORM TOTAL = 0.10

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2020	2010	2010	2010
DEPTH	0.06	0.09	0.10	0.10
INTENSITY	0.72	0.36	0.20	0.10

Table 53.--Rainfall data, September 5-6, 1982 for site 393541104484301 Cherry Creek rain gage at Arapahoe Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-05	0755	0.01	9-05	1735	0.01	9-06	1735	0.01
9-05	1610	0.01	9-05	2305	0.01	9-06	1740	0.04
9-05	1720	0.01				9-06	1745	0.03

STORM TOTAL = 0.13

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1735	1730	1730	1730
DEPTH	0.04	0.08	0.08	0.08
INTENSITY	0.48	0.32	0.16	0.08

Table 54.--Rainfall data, September 10-15, 1982 for site 393541104484301 Cherry Creek rain gage at Arapahoe Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-10	1825	0.02	9-12	0400	0.01	9-13	1700	0.01
9-10	1830	0.02	9-12	1105	0.01	9-13	1725	0.01
9-10	1835	0.01	9-12	1400	0.01	9-13	1740	0.01
9-10	1900	0.01	9-12	1410	0.01			
			9-12	1420	0.01			
			9-12	1445	0.01	9-14	1705	0.01
9-11	1350	0.01	9-12	1510	0.01	9-14	1945	0.01
9-11	1525	0.01	9-12	1535	0.01	9-14	2025	0.01
9-11	1625	0.01	9-12	1550	0.01	9-14	2030	0.01
9-11	1645	0.01	9-12	1605	0.01	9-14	2035	0.01
9-11	1710	0.01	9-12	1620	0.01	9-14	2045	0.01
9-11	1805	0.01	9-12	1635	0.01	9-14	2050	0.01
9-11	1840	0.01	9-12	1645	0.01	9-14	2100	0.01
9-11	1855	0.01	9-12	1650	0.01	9-14	2105	0.01
9-11	1900	0.01	9-12	1700	0.01	9-14	2115	0.01
9-11	1905	0.01	9-12	1710	0.01	9-14	2120	0.01
9-11	1910	0.01				9-14	2125	0.01
9-11	1915	0.01				9-14	2130	0.01
9-11	1925	0.01	9-13	0055	0.01	9-14	2140	0.01
9-11	1935	0.01	9-13	0105	0.01	9-14	2145	0.01
9-11	1940	0.01	9-13	0115	0.01	9-14	2150	0.01
9-11	1945	0.01	9-13	0125	0.01	9-14	2155	0.01
9-11	1950	0.01	9-13	0145	0.01	9-14	2240	0.01
9-11	2000	0.01	9-13	0225	0.01	9-14	2355	0.01
9-11	2010	0.01	9-13	1315	0.01			
9-11	2020	0.01	9-13	1320	0.03			
9-11	2030	0.01	9-13	1325	0.03	9-15	0155	0.01
9-11	2035	0.02	9-13	1335	0.01	9-15	0345	0.01
9-11	2040	0.01	9-13	1350	0.01	9-15	0350	0.01
9-11	2050	0.01	9-13	1355	0.02	9-15	0400	0.01
9-11	2110	0.01	9-13	1405	0.01	9-15	0410	0.01
9-11	2140	0.01	9-13	1410	0.01	9-15	0415	0.01
9-11	2310	0.01	9-13	1415	0.04	9-15	0425	0.01
9-11	2325	0.01	9-13	1425	0.01	9-15	0435	0.01
			9-13	1430	0.01	9-15	0440	0.01
			9-13	1440	0.01	9-15	0535	0.01
9-12	0020	0.01	9-13	1600	0.12	9-15	0605	0.01
9-12	0240	0.01	9-13	1605	0.02	9-15	0730	0.01
			9-13	1610	0.03			

STORM TOTAL = 1.30

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1555	1555	1555	1555
DEPTH	0.12	0.17	0.17	0.17
INTENSITY	1.44	0.68	0.34	0.17

Table 55.--Rainfall data, June 24-25, 1982, for site 393631104483601 Piney Creek rain gage at Parker Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
6-24	1700	0.01				6-25	2020	0.02
6-24	1705	0.02	6-25	1955	0.03	6-25	2025	0.02
6-24	1710	0.01	6-25	2000	0.09	6-25	2030	0.01
6-24	1720	0.01	6-25	2005	0.02	6-25	2045	0.01
			6-25	2010	0.03	6-25	2125	0.01
			6-25	2015	0.04			

STORM TOTAL = 0.33

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1955	1950	1950	1950
DEPTH	0.09	0.14	0.23	0.27
INTENSITY	1.08	0.56	0.46	0.27

Table 56.--Rainfall data, July 1, 1982, for site 393631104483601 Piney Creek rain gage at Parker Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-01	1350	0.01	7-01	1355	0.01	7-01	1410	0.03
			7-01	1400	0.04			
			7-01	1405	0.09			

STORM TOTAL = 0.18

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1400	1355	1345	1345
DEPTH	0.09	0.16	0.18	0.18
INTENSITY	1.08	0.64	0.36	0.18

Table 57.--Rainfall data, July 17, 1982, for site 393631104483601 Piney Creek rain gage at Parker Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-17	1350	0.09	7-17	1355	0.02	7-17	1425	0.01

STORM TOTAL = 0.12

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1345	1345	1345	1345
DEPTH	0.09	0.11	0.11	0.12
INTENSITY	1.08	0.44	0.22	0.12

Table 58.--Rainfall data, July 28-29, 1982, for site 393631104483601 Piney Creek rain gage at Parker Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-28	1250	0.01	7-28	1745	0.01	7-29	0535	0.01
7-28	1255	0.02	7-28	2100	0.01	7-29	0540	0.01
7-28	1300	0.01	7-28	2120	0.01	7-29	0725	0.01
7-28	1345	0.01	7-28	2125	0.01	7-29	0745	0.01
7-28	1355	0.01	7-28	2130	0.01	7-29	1305	0.01
7-28	1415	0.01	7-28	2135	0.01	7-29	1525	0.01
7-28	1425	0.01	7-28	2145	0.01	7-29	1535	0.01
7-28	1430	0.05	7-28	2150	0.01	7-29	1545	0.01
7-28	1435	0.08	7-28	2200	0.01	7-29	1550	0.01
7-28	1440	0.12	7-28	2210	0.01	7-29	1555	0.01
7-28	1445	0.19				7-29	1605	0.01
7-28	1450	0.16				7-29	1615	0.01
7-28	1455	0.08	7-29	0335	0.01	7-29	1625	0.01
7-28	1500	0.02	7-29	0430	0.02	7-29	1630	0.01
7-28	1505	0.01	7-29	0440	0.01	7-29	1640	0.01
7-28	1630	0.01	7-29	0455	0.01	7-29	1650	0.01
7-28	1635	0.01	7-29	0500	0.02	7-29	1700	0.01
7-28	1640	0.02	7-29	0505	0.01	7-29	1705	0.01
7-28	1650	0.01	7-29	0510	0.06	7-29	1720	0.01
7-28	1655	0.01	7-29	0515	0.04	7-29	1750	0.01
7-28	1705	0.01	7-29	0520	0.03	7-29	1950	0.01
7-28	1710	0.01	7-29	0525	0.01	7-29	2045	0.01
7-28	1720	0.01	7-29	0530	0.01	7-29	2205	0.01

STORM TOTAL = 1.44

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1440	1435	1425	1410
DEPTH	0.19	0.47	0.68	0.73
INTENSITY	2.28	1.88	1.36	0.73

Table 59.--Rainfall data, August 2-4, 1982, for site 393631104483601 Piney Creek rain gage at Parker Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-02	1805	0.02	8-03	2055	0.02	8-04	0015	0.01
8-02	1810	0.05	8-03	2100	0.02	8-04	0020	0.02
8-02	1815	0.04	8-03	2105	0.01	8-04	0025	0.02
8-02	1820	0.01	8-03	2115	0.02	8-04	0030	0.02
8-02	2300	0.01	8-03	2130	0.01	8-04	0035	0.02
8-02	2305	0.01	8-03	2145	0.01	8-04	0040	0.02
8-02	2310	0.01	8-03	2310	0.01	8-04	0045	0.02
8-02	2345	0.01	8-03	2315	0.02	8-04	0050	0.02
			8-03	2320	0.03	8-04	0055	0.03
			8-03	2325	0.04	8-04	0100	0.01
8-03	1935	0.01	8-03	2330	0.01	8-04	0105	0.02
8-03	1940	0.04	8-03	2335	0.01	8-04	0110	0.01
8-03	1950	0.01	8-03	2340	0.01	8-04	0115	0.03
8-03	2015	0.01	8-03	2345	0.01	8-04	0120	0.01
8-03	2025	0.06	8-03	2350	0.02	8-04	0125	0.02
8-03	2030	0.10	8-03	2355	0.02	8-04	0135	0.01
8-03	2035	0.23	8-03	2400	0.02	8-04	0140	0.01
8-03	2040	0.16				8-04	1505	0.06
8-03	2045	0.13				8-04	1510	0.03
8-03	2050	0.05	8-04	0005	0.01	8-04	1515	0.01
			8-04	0010	0.01			

STORM TOTAL = 1.67

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2030	2030	2020	2020
DEPTH	0.23	0.52	0.73	0.80
INTENSITY	2.76	2.08	1.46	0.80

Table 60.--Rainfall data, August 6, 1982, for site 393631104483601 Piney Creek rain gage at Parker Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-06	1740	0.01	8-06	1745	0.10	8-06	1800	0.01
			8-06	1750	0.04			

STORM TOTAL = 0.16

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1740	1735	1735	1735
DEPTH	0.10	0.15	0.16	0.16
INTENSITY	1.20	0.60	0.32	0.16

Table 61.--Rainfall data, June 17-18, 1982, for site 393729104505601 Cottonwood Creek rain gage above Cherry Creek Lake

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
6-17	1320	0.01	6-18	0145	0.01	6-18	0635	0.01
6-17	1445	0.01	6-18	0150	0.01	6-18	0640	0.01
6-17	1450	0.03	6-18	0200	0.01	6-18	0730	0.01
6-17	1455	0.04	6-18	0210	0.01	6-18	0855	0.01
6-17	1500	0.02	6-18	0220	0.02	6-18	0920	0.01
6-17	1515	0.01	6-18	0225	0.01	6-18	1100	0.01
6-17	2145	0.01	6-18	0230	0.01	6-18	1105	0.01
6-17	2345	0.01	6-18	0235	0.01	6-18	1115	0.01
			6-18	0240	0.01	6-18	1125	0.01
			6-18	0245	0.01	6-18	1140	0.01
6-18	0130	0.01	6-18	0250	0.01	6-18	1245	0.01
6-18	0135	0.01	6-18	0305	0.01	6-18	1255	0.01
6-18	0140	0.01	6-18	0310	0.01	6-18	1335	0.01
			6-18	0325	0.01			
			6-18	0340	0.01			

STORM TOTAL = 0.46

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1450	1445	1440	1440
DEPTH	0.04	0.09	0.10	0.11
INTENSITY	0.48	0.36	0.20	0.11

Table 62.--Rainfall data, June 24-25, 1982, for site 393729104505601 Cottonwood Creek rain gage above Cherry Creek Lake

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
6-24	1615	0.01	6-24	1705	0.01	6-25	2035	0.03
6-24	1620	0.03	6-24	1710	0.01	6-25	2040	0.01
6-24	1625	0.01	6-24	1720	0.01	6-25	2045	0.01
6-24	1655	0.02				6-25	2050	0.01
6-24	1700	0.01				6-25	2055	0.01
			6-25	1720	0.01			
			6-25	2030	0.02			

STORM TOTAL = 0.21

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1615	2025	2025	1610
DEPTH	0.03	0.06	0.09	0.10
INTENSITY	0.36	0.24	0.18	0.10

Table 63.--Rainfall data, June 29, 1982, for site 393729104505601 Cottonwood Creek rain gage above Cherry Creek Lake

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
6-29	1935	0.01	6-29	1945	0.02	6-29	2045	0.01

STORM TOTAL = 0.04

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1940	1930	1930	1930
DEPTH	0.02	0.03	0.03	0.03
INTENSITY	0.24	0.12	0.06	0.03

Table 64.--Rainfall data, July 9, 1982, for site 393729104505601 Cottonwood Creek rain gage above Cherry Creek Lake

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-09	0200	0.01	7-09	1400	0.01	7-09	1410	0.05
7-09	0655	0.01	7-09	1405	0.01	7-09	1415	0.06

STORM TOTAL = 0.15

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1410	1400	1355	1355
DEPTH	0.06	0.12	0.13	0.13
INTENSITY	0.72	0.48	0.26	0.13

Table 65.--Rainfall data, July 28-29, 1982, for site 393729104505601 Cottonwood Creek rain gage above Cherry Creek Lake

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-28	1300	0.05	7-28	1510	0.15	7-28	2105	0.01
7-28	1305	0.13	7-28	1515	0.09	7-28	2110	0.01
7-28	1310	0.10	7-28	1520	0.05	7-28	2115	0.02
7-28	1435	0.06	7-28	1625	0.01			
7-28	1440	0.10	7-28	1630	0.11			
7-28	1445	0.12	7-28	1635	0.10	7-29	0440	0.03
7-28	1450	0.13	7-28	1640	0.05	7-29	0445	0.03
7-28	1455	0.21	7-28	1645	0.02	7-29	0450	0.02
7-28	1500	0.03	7-28	1650	0.01	7-29	0455	0.07
7-28	1505	0.02	7-28	1655	0.01	7-29	0500	0.03

STORM TOTAL = 1.77

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1450	1440	1440	1430
DEPTH	0.21	0.46	0.66	0.96
INTENSITY	2.52	1.84	1.32	0.96

Table 66.--Rainfall data, August 3, 1982, for site 393729104505601 Cottonwood Creek rain gage above Cherry Creek Lake

		RAINFALL, IN INCHES, DURING INDICATED INTERVAL								
DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL		
			8-03	2030	0.02					
			8-03	2035	0.15					

STORM TOTAL = 0.17

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2030	2025	2025	2025
DEPTH	0.15	0.17	0.17	0.17
INTENSITY	1.80	0.68	0.34	0.17

Table 67.--Rainfall data, August 28, 1982, for site 393729104505601 Cottonwood Creek rain gage above Cherry Creek Lake

		RAINFALL, IN INCHES, DURING INDICATED INTERVAL								
DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL		
8-28	2025	0.02	8-28	2030	0.03	8-28	2035	0.01		

STORM TOTAL = 0.06

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2025	2020	2020	2020
DEPTH	0.03	0.06	0.06	0.06
INTENSITY	0.36	0.24	0.12	0.06

Table 68.--Rainfall data, September 5, 1982, for site 393729104505601 Cottonwood Creek rain gage above Cherry Creek Lake

		RAINFALL, IN INCHES, DURING INDICATED INTERVAL								
DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL		
9-05	1025	0.01	9-05	1555	0.01					
9-05	1355	0.01								

STORM TOTAL = 0.03

Table 69.--Rainfall data, September 6, 1982, for site 393729104505601 Cottonwood Creek rain gage above Cherry Creek Lake

		RAINFALL, IN INCHES, DURING INDICATED INTERVAL								
DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL		
			9-06	1735	0.01					
			9-06	1740	0.02					

STORM TOTAL = 0.03

Table 70.--Rainfall data, September 11, 1982, for site 393729104505601 Cottonwood Creek rain gage above Cherry Creek Lake

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-11	1425	0.01	9-11	1850	0.01	9-11	2030	0.02
9-11	1530	0.01	9-11	1905	0.01	9-11	2040	0.01
9-11	1615	0.01	9-11	1910	0.01	9-11	2125	0.01
9-11	1655	0.01	9-11	1920	0.02	9-11	2210	0.02
9-11	1700	0.01	9-11	1930	0.01	9-11	2300	0.02
9-11	1745	0.01	9-11	1940	0.01	9-11	2310	0.01
9-11	1840	0.01	9-11	1950	0.01	9-11	2345	0.01
			9-11	2010	0.02			

STORM TOTAL = 0.27

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1915	1905	1900	1835
DEPTH	0.02	0.03	0.05	0.07
INTENSITY	0.24	0.12	0.10	0.07

Table 71.--Rainfall data, September 12, 1982, for site 393729104505601 Cottonwood Creek rain gage above Cherry Creek Lake

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-12	0215	0.01	9-12	1505	0.01	9-12	1615	0.01
9-12	0350	0.01	9-12	1520	0.01	9-12	1625	0.01
9-12	1415	0.03	9-12	1535	0.01	9-12	1640	0.01
9-12	1455	0.01	9-12	1600	0.01	9-12	1645	0.01
			9-12	1605	0.01			

STORM TOTAL = 0.15

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1410	1410	1555	1555
DEPTH	0.03	0.03	0.04	0.06
INTENSITY	0.36	0.12	0.08	0.06

Table 72.--Rainfall data, September 13, 1982, for site 393729104505601 Cottonwood Creek rain gage above Cherry Creek Lake

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-13	0110	0.02	9-13	1335	0.02	9-13	1445	0.01
9-13	0120	0.02	9-13	1340	0.06	9-13	1545	0.01
9-13	0125	0.01	9-13	1345	0.02	9-13	1555	0.01
9-13	0135	0.01	9-13	1355	0.01	9-13	1600	0.05
9-13	0140	0.01	9-13	1400	0.06	9-13	1605	0.07
9-13	0200	0.01	9-13	1405	0.01	9-13	1620	0.02
9-13	1325	0.01	9-13	1420	0.01	9-13	1625	0.01
9-13	1330	0.02	9-13	1425	0.01	9-13	2110	0.01
			9-13	1435	0.01			

STORM TOTAL = 0.51

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1600	1550	1330	1320
DEPTH	0.07	0.13	0.17	0.22
INTENSITY	0.84	0.52	0.34	0.22

Table 73.--Rainfall data, September 14, 1982, for site 393729104505601 Cottonwood Creek rain gage above Cherry Creek Lake

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-14	1655	0.01	9-14	2055	0.01	9-14	2145	0.01
9-14	1705	0.01	9-14	2100	0.01	9-14	2155	0.01
9-14	2005	0.01	9-14	2120	0.02	9-14	2200	0.01
9-14	2050	0.02	9-14	2125	0.02	9-14	2210	0.01
			9-14	2130	0.01			
			9-14	2135	0.01			

STORM TOTAL = 0.17

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2045	2115	2115	2045
DEPTH	0.02	0.05	0.07	0.11
INTENSITY	0.24	0.20	0.14	0.11

Table 74.--Rainfall data, September 15, 1982, for site 393729104505601 Cottonwood Creek rain gage above Cherry Creek Lake

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-15	0120	0.01	9-15	0335	0.01	9-15	0445	0.01
9-15	0315	0.01	9-15	0345	0.01	9-15	0520	0.05
9-15	0320	0.01	9-15	0355	0.01	9-15	0555	0.02
9-15	0325	0.01	9-15	0405	0.01	9-15	0615	0.03
9-15	0330	0.01	9-15	0410	0.01	9-15	0655	0.02
			9-15	0415	0.01			
			9-15	0430	0.01			

STORM TOTAL = 0.25

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	0515	0515	0310	0515
DEPTH	0.05	0.05	0.05	0.10
INTENSITY	0.60	0.20	0.10	0.10

Table 75.--Rainfall data, June 11-12, 1982, for site 391025104500401 Greenland rain gage near Greenland

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
6-11	1455	0.01	6-11	1810	0.01	6-12	1435	0.02
6-11	1745	0.01				6-12	1920	0.01

STORM TOTAL = 0.06

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1430	1430	1740	1740
DEPTH	0.02	0.02	0.02	0.02
INTENSITY	0.24	0.08	0.04	0.02

Table 76.--Rainfall data, June 14-15, 1982, for site 391025104500401 Greenland rain gage near Greenland

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
6-14	2145	0.01				6-15	1705	0.01
6-14	2150	0.04	6-15	0940	0.01	6-15	1710	0.01
6-14	2210	0.01	6-15	1605	0.01	6-15	1740	0.01
			6-15	1635	0.01	6-15	2025	0.01
			6-15	1645	0.01			

STORM TOTAL = 0.14

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2145	2140	2140	2140
DEPTH	0.04	0.05	0.06	0.06
INTENSITY	0.48	0.20	0.12	0.06

Table 77.--Rainfall data, June 17-18, 1982, for site 391025104500401 Greenland rain gage near Greenland

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
6-17	1145	0.01	6-18	0245	0.02	6-18	1105	0.02
6-17	1345	0.05	6-18	0250	0.03	6-18	1110	0.05
6-17	1350	0.26	6-18	0255	0.02	6-18	1115	0.01
6-17	1355	0.17	6-18	0300	0.02	6-18	1125	0.01
6-17	1400	0.01	6-18	0305	0.02	6-18	1505	0.01
6-17	1450	0.01	6-18	0310	0.02	6-18	1520	0.01
6-17	2240	0.02	6-18	0315	0.01	6-18	1550	0.01
6-17	2330	0.01	6-18	0320	0.01	6-18	1600	0.01
6-17	2355	0.01	6-18	0345	0.01	6-18	1615	0.01
			6-18	0725	0.01	6-18	1620	0.01
			6-18	0755	0.01	6-18	1630	0.01
6-18	0010	0.01	6-18	0810	0.01	6-18	1640	0.01
6-18	0035	0.01	6-18	0835	0.01	6-18	1700	0.01
6-18	0045	0.01	6-18	0850	0.01	6-18	1705	0.01
6-18	0110	0.02	6-18	0855	0.01	6-18	1715	0.01
6-18	0115	0.01	6-18	0900	0.01	6-18	1720	0.01
6-18	0120	0.01	6-18	0905	0.01	6-18	1725	0.01
6-18	0125	0.01	6-18	0910	0.01	6-18	1730	0.01
6-18	0130	0.01	6-18	0915	0.01	6-18	1735	0.01
6-18	0135	0.01	6-18	0920	0.01	6-18	1740	0.01
6-18	0140	0.01	6-18	0925	0.01	6-18	1745	0.01
6-18	0145	0.02	6-18	0930	0.01	6-18	1755	0.01
6-18	0150	0.02	6-18	1000	0.02	6-18	1800	0.01
6-18	0155	0.01	6-18	1005	0.01	6-18	1810	0.01
6-18	0205	0.01	6-18	1015	0.01	6-18	1825	0.01
6-18	0210	0.01	6-18	1025	0.01	6-18	1835	0.01
6-18	0215	0.02	6-18	1030	0.01	6-18	1845	0.02
6-18	0220	0.02	6-18	1035	0.01	6-18	1850	0.01
6-18	0225	0.03	6-18	1040	0.01	6-18	1855	0.01
6-18	0230	0.03	6-18	1045	0.01	6-18	1905	0.01
6-18	0235	0.02	6-18	1050	0.02	6-18	1930	0.01
6-18	0240	0.03	6-18	1055	0.01	6-18	1955	0.01
			6-18	1100	0.02			

STORM TOTAL = 1.69

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1345	1340	1340	1340
DEPTH	0.26	0.48	0.49	0.49
INTENSITY	3.12	1.92	0.98	0.49

Table 78.--Rainfall data, June 22, 1982, for site 391025104500401 Greenland rain gage near Greenland

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
6-22	1140	0.01	6-22	1340	0.01	6-22	1525	0.01
6-22	1335	0.01	6-22	1520	0.01	6-22	1645	0.01

STORM TOTAL = 0.06

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1135	1330	1330	1330
DEPTH	0.01	0.02	0.02	0.02
INTENSITY	0.12	0.08	0.04	0.02

Table 79.--Rainfall data, June 24-25, 1982, for site 391025104500401 Greenland rain gage near Greenland

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
6-24	1000	0.01				6-25	2145	0.01
6-24	1515	0.01	6-25	1945	0.03	6-25	2155	0.02
6-24	1520	0.04	6-25	1955	0.01	6-25	2205	0.02
6-24	1525	0.03	6-25	2005	0.01	6-25	2210	0.06
6-24	1530	0.06	6-25	2015	0.04	6-25	2215	0.02
6-24	1535	0.05	6-25	2020	0.08	6-25	2225	0.01
6-24	1540	0.04	6-25	2025	0.01	6-25	2235	0.01
6-24	1545	0.03	6-25	2035	0.01	6-25	2240	0.01
6-24	1550	0.02	6-25	2120	0.08	6-25	2245	0.01
6-24	1600	0.01	6-25	2125	0.18	6-25	2250	0.01
6-24	2020	0.01	6-25	2130	0.06	6-25	2255	0.01
			6-25	2135	0.02	6-25	2335	0.01
			6-25	2140	0.01			

STORM TOTAL = 1.05

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2120	2115	2115	2115
DEPTH	0.18	0.32	0.36	0.48
INTENSITY	2.16	1.28	0.72	0.48

Table 80.--Rainfall data, July 9, 1982 for site 391025104500401 Greenland rain gage near Greenland

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-09	1050	0.01	7-09	1125	0.02	7-09	1530	0.01

STORM TOTAL = 0.04

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1120	1120	1120	1045
DEPTH	0.02	0.02	0.02	0.03
INTENSITY	0.24	0.08	0.04	0.03

Table 81.--Rainfall data, July 11, 1982, for site 391025104500401 Greenland rain gage near Greenland

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-11	1255	0.01	7-11	1305	0.01	7-11	2000	0.23
			7-11	1510	0.01			
			7-11	1955	0.03			

STORM TOTAL = 0.29

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1955	1950	1950	1950
DEPTH	0.23	0.26	0.26	0.26
INTENSITY	2.76	1.04	0.52	0.26

Table 82.--Rainfall data, August 6, 1982, for site 391025104500401 Greenland rain gage near Greenland

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-06	2310	0.01	8-06	2320	0.07	8-06	2335	0.01
8-06	2315	0.11	8-06	2325	0.04	8-06	2355	0.01
			8-06	2330	0.01			

STORM TOTAL = 0.26

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2310	2310	2305	1
DEPTH	0.11	0.22	0.25	0.0
INTENSITY	1.32	0.88	0.50	0.0

Table 83.--Rainfall data, August 10-13, 1982, for site 391025104500401 Greenland rain gage near Greenland

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-10	1510	0.01				8-12	1745	0.01
8-10	1515	0.05	8-11	2135	0.01	8-12	1750	0.01
8-10	1520	0.10	8-11	2145	0.02	8-12	1755	0.03
8-10	1525	0.10	8-11	2150	0.03	8-12	1800	0.02
8-10	1530	0.05	8-11	2200	0.01	8-12	1815	0.02
8-10	1535	0.05				8-12	1820	0.01
8-10	1540	0.02				8-12	1825	0.01
8-10	1545	0.03	8-12	0010	0.02	8-12	1830	0.01
8-10	1550	0.01	8-12	0015	0.02			
8-10	1555	0.01	8-12	0020	0.01			
8-10	1605	0.01	8-12	1010	0.01	8-13	0900	0.01
8-10	1625	0.01	8-12	1725	0.05	8-13	1255	0.01
			8-12	1730	0.09	8-13	2135	0.01
			8-12	1735	0.02			
			8-12	1740	0.01			

STORM TOTAL = 0.90

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1515	1510	1510	1505
DEPTH	0.10	0.25	0.37	0.44
INTENSITY	1.20	1.00	0.74	0.44

Table 84.--Rainfall data, August 15-16, 1982, for site 391025104500401 Greenland rain gage near Greenland

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-15	1010	0.01	8-15	1430	0.02			
8-15	1405	0.01	8-15	1435	0.04			
8-15	1410	0.03	8-15	1440	0.03	8-16	2145	0.01
8-15	1415	0.07	8-15	1445	0.01	8-16	2215	0.02
8-15	1420	0.04	8-15	1450	0.01	8-16	2220	0.01
8-15	1425	0.02	8-15	1530	0.01	8-16	2235	0.01
			8-15	1540	0.01			
			8-15	1605	0.01			

STORM TOTAL = 0.37

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1410	1405	1405	1400
DEPTH	0.07	0.14	0.22	0.28
INTENSITY	0.84	0.56	0.44	0.28

Table 85.--Rainfall data, August 20, 1982, for site 391025104500401 Greenland rain gage near Greenland

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-20	1135	0.01	8-20	2055	0.01	8-20	2155	0.01
8-20	1840	0.01	8-20	2115	0.01	8-20	2200	0.02
8-20	1855	0.01	8-20	2125	0.01	8-20	2205	0.01
8-20	1915	0.01	8-20	2150	0.01	8-20	2210	0.01

STORM TOTAL = 0.13

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2155	2145	2145	2110
DEPTH	0.02	0.04	0.06	0.08
INTENSITY	0.24	0.16	0.12	0.08

Table 86.--Rainfall data, September 5-8, 1982, for site 391025104500401 Greenland rain gage near Greenland

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-05	1540	0.01	9-05	1655	0.01	9-07	0145	0.01
9-05	1545	0.01	9-05	1705	0.01	9-07	1635	0.02
9-05	1550	0.01	9-05	1715	0.01	9-07	1640	0.01
9-05	1555	0.02	9-05	1730	0.01	9-07	1655	0.01
9-05	1600	0.01				9-07	1735	0.01
9-05	1605	0.03				9-07	1745	0.01
9-05	1610	0.02	9-06	0710	0.01	9-07	1750	0.01
9-05	1615	0.02	9-06	1950	0.01	9-07	1755	0.01
9-05	1620	0.02	9-06	1955	0.01	9-07	1800	0.01
9-05	1625	0.01	9-06	2005	0.01			
9-05	1630	0.01	9-06	2030	0.01			
9-05	1640	0.01				9-08	1415	0.02
9-05	1650	0.01				9-08	1750	0.01

STORM TOTAL = 0.41

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1600	1600	1550	1535
DEPTH	0.03	0.07	0.12	0.17
INTENSITY	0.36	0.28	0.24	0.17

Table 87.--Rainfall data, September 10-15, 1982, for site 391025104500401 Greenland rain gage near Greenland

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-10	1820	0.03	9-12	1200	0.01	9-13	0145	0.01
9-10	1825	0.01	9-12	1205	0.01	9-13	0155	0.02
			9-12	1210	0.01	9-13	0200	0.01
			9-12	1215	0.02	9-13	0205	0.02
9-11	0225	0.01	9-12	1220	0.01	9-13	0210	0.01
9-11	0250	0.01	9-12	1225	0.02	9-13	0215	0.01
9-11	0430	0.01	9-12	1230	0.01	9-13	0225	0.01
9-11	1040	0.01	9-12	1235	0.01	9-13	0305	0.01
9-11	1615	0.01	9-12	1240	0.01	9-13	1635	0.02
9-11	1645	0.01	9-12	1245	0.01	9-13	1640	0.02
9-11	1755	0.05	9-12	1250	0.01	9-13	1645	0.02
9-11	1800	0.02	9-12	1255	0.02	9-13	1650	0.02
9-11	1805	0.01	9-12	1300	0.01	9-13	1655	0.02
9-11	1815	0.01	9-12	1305	0.01	9-13	1700	0.02
9-11	1820	0.01	9-12	1310	0.01	9-13	2045	0.10
9-11	1845	0.01	9-12	1315	0.01	9-13	2050	0.05
9-11	1855	0.01	9-12	1320	0.01	9-13	2055	0.02
9-11	1905	0.01	9-12	1325	0.01	9-13	2100	0.01
9-11	1910	0.01	9-12	1330	0.02	9-13	2145	0.01
9-11	1915	0.02	9-12	1335	0.01			
9-11	1920	0.01	9-12	1345	0.01			
9-11	1940	0.01	9-12	1350	0.01	9-14	1615	0.01
9-11	2025	0.01	9-12	1400	0.01	9-14	2035	0.01
9-11	2245	0.01	9-12	1435	0.01	9-14	2100	0.01
9-11	2320	0.01	9-12	1530	0.01	9-14	2110	0.01
9-11	2350	0.01	9-12	1540	0.01	9-14	2240	0.01
			9-12	1545	0.01	9-14	2305	0.01
			9-12	1615	0.01			
9-12	0025	0.01	9-12	1645	0.01			
9-12	0320	0.01	9-12	2400	0.01	9-15	0010	0.01
9-12	0350	0.01				9-15	0020	0.01
9-12	0930	0.01				9-15	0025	0.01
9-12	0935	0.01	9-13	0100	0.01	9-15	0045	0.01
9-12	1010	0.01	9-13	0105	0.01	9-15	0355	0.01
9-12	1145	0.01	9-13	0110	0.01	9-15	0630	0.01
9-12	1150	0.01	9-13	0130	0.01	9-15	0635	0.01
			9-13	0140	0.01			

STORM TOTAL = 1.33

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2040	2040	2040	2040
DEPTH	0.10	0.17	0.18	0.18
INTENSITY	1.20	0.68	0.36	0.18

Table 88.--Rainfall data, September 18-19, 1982, for site 391025104500401 Greenland rain gage near Greenland

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-18	1730	0.01	9-18	1835	0.01	9-19	1845	0.01
9-18	1750	0.01	9-18	1845	0.01	9-19	1855	0.01
9-18	1755	0.01	9-18	1850	0.01	9-19	1900	0.01
9-18	1800	0.01	9-18	1900	0.01	9-19	1925	0.01
9-18	1810	0.01				9-19	2010	0.01
9-18	1820	0.01				9-19	2020	0.01
9-18	1830	0.01	9-19	0335	0.01	9-19	2115	0.01

STORM TOTAL = 0.19

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1725	1745	1745	1745
DEPTH	0.01	0.03	0.04	0.08
INTENSITY	0.12	0.12	0.08	0.08

Table 89.--Rainfall data, September 30, 1982, for site 391025104500401 Greenland rain gage near Greenland

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-30	1510	0.01	9-30	1840	0.01	9-30	1940	0.01
9-30	1625	0.01	9-30	1855	0.02	9-30	1950	0.01
9-30	1830	0.02	9-30	1900	0.02	9-30	2300	0.01
			9-30	1905	0.01			
			9-30	1910	0.01			

STORM TOTAL = 0.14

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1825	1850	1835	1825
DEPTH	0.02	0.05	0.06	0.09
INTENSITY	0.24	0.20	0.12	0.09

Table 90.--Rainfall data, March 5, 1982, for site 392404104513301 High School Road rain gage near Castle Rock

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
3-05	0320	0.01	3-05	0850	0.01	3-05	1135	0.01
3-05	0345	0.01	3-05	0900	0.01	3-05	1150	0.01
3-05	0710	0.01	3-05	0915	0.01	3-05	1355	0.01
3-05	0745	0.01	3-05	0925	0.01	3-05	1425	0.01
3-05	0800	0.01	3-05	0950	0.01	3-05	1505	0.01
3-05	0810	0.01	3-05	1100	0.01	3-05	1825	0.01
3-05	0825	0.01	3-05	1105	0.01	3-05	1845	0.01
3-05	0835	0.01	3-05	1110	0.02	3-05	1910	0.01
3-05	0840	0.01	3-05	1115	0.02	3-05	1935	0.01
			3-05	1125	0.01			

STORM TOTAL = 0.30

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1105	1100	1055	1055
DEPTH	0.02	0.05	0.07	0.09
INTENSITY	0.24	0.20	0.14	0.09

Table 91.--Rainfall data, June 17-18, 1982, for site 392404104513301 High School Road rain gage near Castle Rock

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
6-17	1335	0.02				6-18	0205	0.02
6-17	1515	0.01				6-18	0210	0.01
6-17	2310	0.01	6-18	0005	0.01	6-18	0215	0.01
6-17	2315	0.01	6-18	0055	0.01	6-18	0220	0.02
6-17	2335	0.01	6-18	0120	0.01	6-18	0225	0.01
6-17	2340	0.01	6-18	0150	0.01	6-18	0240	0.01
6-17	2350	0.01	6-18	0155	0.02	6-18	0255	0.01
			6-18	0200	0.02			

STORM TOTAL = 0.25

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1330	0150	0150	0145
DEPTH	0.02	0.06	0.10	0.13
INTENSITY	0.24	0.24	0.20	0.13

Table 92.--Rainfall data, June 23-25, 1982, for site 392404104513301 High School Road rain gage near Castle Rock

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
6-23	1650	0.02	6-24	1450	0.14	6-25	2030	0.01
6-23	1655	0.03	6-24	1455	0.06	6-25	2115	0.01
6-23	1700	0.04	6-24	1520	0.01	6-25	2125	0.02
6-23	1705	0.01	6-24	1545	0.01	6-25	2145	0.01
6-23	1710	0.01	6-24	1550	0.01	6-25	2150	0.01
6-23	1720	0.01	6-24	1555	0.02	6-25	2200	0.02
6-23	1740	0.01	6-24	1600	0.01	6-25	2205	0.04
			6-24	1605	0.01	6-25	2210	0.03
			6-24	1935	0.01	6-25	2215	0.02
6-24	1440	0.03				6-25	2220	0.01
6-24	1445	0.04				6-25	2240	0.01
			6-25	1015	0.01			

STORM TOTAL = 0.68

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1445	1440	1435	1435
DEPTH	0.14	0.24	0.27	0.28
INTENSITY	1.68	0.96	0.54	0.28

Table 93.--Rainfall data, June 29, 1982, for site 392404104513301 High School Road rain gage near Castle Rock

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
6-29	1045	0.02	6-29	1930	0.01	6-29	2000	0.03
6-29	1130	0.01	6-29	1935	0.01	6-29	2015	0.02
			6-29	1950	0.02			
			6-29	1955	0.02			

STORM TOTAL = 0.14

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1955	1945	1945	1925
DEPTH	0.03	0.07	0.09	0.11
INTENSITY	0.36	0.28	0.18	0.11

Table 94.--Rainfall data, July 8-9, 1982, for site 392404104513301 High School Road rain gage near Castle Rock

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-08	0950	0.01	7-08	1835	0.01	7-09	1130	0.03
7-08	1825	0.03				7-09	1235	0.01
7-08	1830	0.02				7-09	1400	0.02
			7-09	1125	0.02			

STORM TOTAL = 0.15

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1820	1820	1820	1820
DEPTH	0.03	0.06	0.06	0.06
INTENSITY	0.36	0.24	0.12	0.06

Table 95.--Rainfall data, July 11, 1982, for site 392404104513301 High School Road rain gage near Castle Rock

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-11	1625	0.01	7-11	1920	0.09	7-11	1930	0.02
7-11	1915	0.02	7-11	1925	0.04	7-11	1950	0.01

STORM TOTAL = 0.19

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1915	1910	1910	1910
DEPTH	0.09	0.15	0.17	0.18
INTENSITY	1.08	0.60	0.34	0.18

Table 96.--Rainfall data, July 27-29, 1982, for site 392404104513301 High School Road rain gage near Castle Rock

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-27	0340	0.01	7-28	1700	0.04	7-29	0450	0.03
7-27	0345	0.03	7-28	1705	0.04	7-29	0455	0.03
7-27	0350	0.01	7-28	1710	0.06	7-29	0500	0.02
7-27	0355	0.02	7-28	1715	0.03	7-29	0505	0.02
7-27	0405	0.01	7-28	1720	0.03	7-29	0510	0.02
7-27	0435	0.01	7-28	1725	0.02	7-29	0515	0.01
7-27	0440	0.01	7-28	1730	0.01	7-29	0520	0.03
7-27	0445	0.01	7-28	1740	0.01	7-29	0525	0.02
7-27	0520	0.01	7-28	1745	0.02	7-29	0530	0.01
7-27	0810	0.01	7-28	1750	0.01	7-29	0535	0.01
7-27	1045	0.01	7-28	1800	0.01	7-29	0540	0.01
			7-28	2120	0.01	7-29	0545	0.01
			7-28	2125	0.01	7-29	0600	0.01
7-28	0305	0.01	7-28	2130	0.01	7-29	0605	0.01
7-28	1035	0.01	7-28	2135	0.01	7-29	0610	0.01
7-28	1350	0.01	7-28	2140	0.01	7-29	0615	0.01
7-28	1605	0.12	7-28	2155	0.01	7-29	0620	0.01
7-28	1610	0.28	7-28	2210	0.01	7-29	0625	0.01
7-28	1615	0.24				7-29	0630	0.01
7-28	1620	0.13				7-29	0650	0.01
7-28	1625	0.09	7-29	0355	0.01	7-29	0655	0.01
7-28	1630	0.10	7-29	0410	0.07	7-29	0700	0.01
7-28	1635	0.18	7-29	0415	0.01	7-29	0705	0.01
7-28	1640	0.10	7-29	0420	0.01	7-29	0930	0.01
7-28	1645	0.10	7-29	0425	0.01	7-29	1825	0.01
7-28	1650	0.09	7-29	0430	0.01	7-29	1900	0.01
7-28	1655	0.03	7-29	0435	0.01	7-29	2010	0.01
			7-29	0440	0.01			

STORM TOTAL = 2.49

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1605	1605	1605	1600
DEPTH	0.28	0.65	1.02	1.50
INTENSITY	3.36	2.60	2.04	1.50

Table 97.--Rainfall data, August 3-4, 1982, for site 392404104513301 High School Road rain gage near Castle Rock

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-03	0715	0.01	8-03	2305	0.01	8-03	2400	0.01
8-03	0920	0.01	8-03	2315	0.01			
8-03	2215	0.01	8-03	2320	0.01			
8-03	2230	0.01	8-03	2325	0.01	8-04	0005	0.02
8-03	2240	0.01	8-03	2335	0.01	8-04	0015	0.01
8-03	2250	0.01	8-03	2340	0.01	8-04	0020	0.01
8-03	2255	0.01	8-03	2350	0.02	8-04	0030	0.01
8-03	2300	0.01	8-03	2355	0.02	8-04	0945	0.01

STORM TOTAL = 0.25

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2345	2345	2335	2310
DEPTH	0.02	0.05	0.08	0.12
INTENSITY	0.24	0.20	0.16	0.12

Table 98.--Rainfall data, August 11-13, 1982, for site 392404104513301 High School Road rain gage near Castle Rock

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-11	1845	0.01	8-12	1450	0.02	8-13	1130	0.01
8-11	1850	0.02	8-12	1455	0.01	8-13	1135	0.02
8-11	1855	0.03	8-12	1500	0.02	8-13	1145	0.02
8-11	1905	0.01	8-12	1505	0.02	8-13	1150	0.01
8-11	1925	0.01	8-12	1510	0.02	8-13	1325	0.01
8-11	2055	0.01	8-12	1515	0.02	8-13	1340	0.01
			8-12	1520	0.03	8-13	1400	0.01
			8-12	1525	0.01	8-13	1405	0.02
8-12	0555	0.01	8-12	1530	0.01	8-13	1410	0.01
8-12	1440	0.01	8-12	1550	0.01	8-13	1420	0.01
8-12	1445	0.01				8-13	1545	0.01
			8-13	1120	0.01			

STORM TOTAL = 0.44

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1850	1505	1450	1435
DEPTH	0.03	0.07	0.12	0.18
INTENSITY	0.36	0.28	0.24	0.18

Table 99.--Rainfall data, August 16, 1982, for site 392404104513301 High School Road rain gage near Castle Rock

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-16	2210	0.01	8-16	2245	0.01	8-16	2315	0.01
			8-16	2300	0.01			

STORM TOTAL = 0.04

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2205	2205	2240	2205
DEPTH	0.01	0.01	0.02	0.03
INTENSITY	0.12	0.04	0.04	0.03

Table 100.--Rainfall data, August 20, 1982, for site 392404104513301 High School Road rain gage near Castle Rock

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-20	1740	0.01	8-20	1915	0.02	8-20	2105	0.02
8-20	1745	0.03	8-20	1920	0.01	8-20	2110	0.02
8-20	1750	0.05	8-20	1925	0.03	8-20	2115	0.02
8-20	1755	0.06	8-20	1935	0.01	8-20	2120	0.02
8-20	1800	0.06	8-20	1950	0.01	8-20	2125	0.02
8-20	1805	0.03	8-20	2000	0.02	8-20	2130	0.01
8-20	1815	0.01	8-20	2005	0.01	8-20	2135	0.01
8-20	1840	0.01	8-20	2010	0.03	8-20	2140	0.01
8-20	1845	0.01	8-20	2015	0.02	8-20	2145	0.01
8-20	1855	0.01	8-20	2025	0.01	8-20	2150	0.01
8-20	1905	0.01	8-20	2045	0.02	8-20	2155	0.01
8-20	1910	0.01	8-20	2050	0.02	8-20	2205	0.01
			8-20	2055	0.02			

STORM TOTAL = 0.70

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1750	1745	1735	1735
DEPTH	0.06	0.17	0.24	0.25
INTENSITY	0.72	0.68	0.48	0.25

Table 101.--Rainfall data, September 5-8, 1982, for site 392404104513301 High School Road rain gage near Castle Rock

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-05	1625	0.01	9-05	1740	0.01	9-07	1625	0.02
9-05	1630	0.01	9-05	1825	0.01	9-07	1630	0.04
9-05	1635	0.01				9-07	1635	0.03
9-05	1640	0.01				9-07	1640	0.01
9-05	1645	0.01	9-06	1800	0.03			
9-05	1650	0.02	9-06	1805	0.01			
9-05	1655	0.01	9-06	1810	0.01	9-08	1615	0.01
9-05	1700	0.02	9-06	1815	0.03	9-08	1625	0.01
9-05	1710	0.01	9-06	1820	0.07	9-08	1630	0.02
9-05	1720	0.01	9-06	1825	0.02	9-08	1635	0.01
9-05	1725	0.01				9-08	1640	0.01
9-05	1730	0.01				9-08	1645	0.01
9-05	1735	0.01	9-07	1035	0.01	9-08	1650	0.01
			9-07	1620	0.01			

STORM TOTAL = 0.54

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1815	1810	1755	1755
DEPTH	0.07	0.12	0.17	0.17
INTENSITY	0.84	0.48	0.34	0.17

Table 102.--Rainfall data, September 10-15, 1982, for site 392404104513301 High School Road rain gage near Castle Rock

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-10	1810	0.04	9-12	0325	0.01	9-13	1720	0.01
9-10	1815	0.03	9-12	0345	0.01	9-13	1740	0.01
9-10	1900	0.01	9-12	0355	0.01	9-13	2055	0.02
			9-12	0455	0.01			
			9-12	1310	0.01			
9-11	0740	0.01	9-12	1400	0.01	9-14	1650	0.01
9-11	1730	0.01	9-12	1410	0.01	9-14	1720	0.01
9-11	1830	0.01	9-12	1425	0.01	9-14	1735	0.01
9-11	1835	0.02	9-12	1440	0.01	9-14	2035	0.01
9-11	1840	0.01	9-12	1515	0.01	9-14	2110	0.01
9-11	1845	0.01	9-12	1530	0.01	9-14	2115	0.02
9-11	1855	0.02	9-12	1535	0.01	9-14	2125	0.01
9-11	1900	0.01	9-12	1545	0.01	9-14	2135	0.02
9-11	1910	0.01	9-12	1555	0.01	9-14	2140	0.02
9-11	1915	0.01	9-12	1605	0.01	9-14	2150	0.01
9-11	1925	0.01	9-12	1625	0.01	9-14	2235	0.01
9-11	1930	0.02	9-12	1650	0.01	9-14	2250	0.01
9-11	1935	0.01	9-12	1720	0.01			
9-11	1940	0.01						
9-11	1945	0.01				9-15	0125	0.01
9-11	1950	0.02	9-13	0055	0.01	9-15	0330	0.01
9-11	1955	0.01	9-13	0115	0.01	9-15	0345	0.01
9-11	2005	0.01	9-13	0125	0.02	9-15	0400	0.01
9-11	2010	0.01	9-13	0130	0.02	9-15	0425	0.01
9-11	2025	0.01	9-13	0135	0.02	9-15	0440	0.01
9-11	2045	0.01	9-13	0140	0.02	9-15	0455	0.01
9-11	2150	0.01	9-13	0145	0.02	9-15	0525	0.01
9-11	2305	0.01	9-13	0150	0.01	9-15	0555	0.01
9-11	2355	0.01	9-13	0155	0.01	9-15	0630	0.01
			9-13	0720	0.01	9-15	0640	0.01
			9-13	1655	0.08	9-15	0720	0.01
9-12	0205	0.01	9-13	1700	0.11	9-15	0940	0.01
			9-13	1705	0.03			
			9-13	1710	0.02			

STORM TOTAL = 1.26

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1655	1650	1650	1650
DEPTH	0.11	0.22	0.25	0.26
INTENSITY	1.32	0.88	0.50	0.26

Table 103.--Rainfall data, September 18, 1982, for site 392404104513301 High School Road rain gage near Castle Rock

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-18	0855	0.01	9-18	1640	0.06	9-18	1710	0.01
9-18	1615	0.08	9-18	1645	0.03	9-18	1715	0.02
9-18	1620	0.08	9-18	1650	0.03	9-18	1720	0.01
9-18	1625	0.01	9-18	1655	0.01	9-18	1725	0.01
9-18	1630	0.03	9-18	1700	0.01	9-18	1730	0.01
9-18	1635	0.04	9-18	1705	0.01	9-18	1745	0.01

STORM TOTAL = 0.47

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1610	1610	1610	1610
DEPTH	0.08	0.17	0.30	0.40
INTENSITY	0.96	0.68	0.60	0.40

Table 104.--Rainfall data, April 5, 1982, for site 393034105051101 Chatfield Lake rain gage near Littleton

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
4-05	0750	0.01	4-05	0810	0.01	4-05	0835	0.01
4-05	0800	0.01	4-05	0820	0.01	4-05	0850	0.01
4-05	0805	0.01	4-05	0825	0.01	4-05	0935	0.01

STORM TOTAL = 0.09

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	0745	0755	0755	0745
DEPTH	0.01	0.03	0.05	0.07
INTENSITY	0.12	0.12	0.10	0.07

Table 105.--Rainfall data, April 20, 1982, for site 393034105051101 Chatfield Lake rain gage near Littleton

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
4-20	1045	0.01	4-20	1110	0.01	4-20	1215	0.01
4-20	1100	0.01	4-20	1115	0.01	4-20	2250	0.01
			4-20	1145	0.01			

STORM TOTAL = 0.07

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1040	1055	1040	1040
DEPTH	0.01	0.02	0.03	0.04
INTENSITY	0.12	0.08	0.06	0.04

Table 106.--Rainfall data, April 27, 1982, for site 393034105051101 Chatfield Lake rain gage near Littleton

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
4-27	1415	0.01	4-27	1525	0.02	4-27	1545	0.01
4-27	1425	0.01	4-27	1535	0.03	4-27	1710	0.01

STORM TOTAL = 0.09

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1530	1520	1520	1520
DEPTH	0.03	0.05	0.06	0.06
INTENSITY	0.36	0.20	0.12	0.06

Table 107.--Rainfall data, April 29, 1982, for site 393034105051101 Chatfield Lake rain gage near Littleton

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
4-29	1720	0.01	4-29	1740	0.01	4-29	1805	0.01
4-29	1735	0.01	4-29	1750	0.01	4-29	1840	0.01

STORM TOTAL = 0.06

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1715	1730	1715	1715
DEPTH	0.01	0.02	0.03	0.05
INTENSITY	0.12	0.08	0.06	0.05

Table 108.--Rainfall data, May 5, 1982, for site 393034105051101 Chatfield Lake rain gage near Littleton

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
5-05	0125	0.01	5-05	0205	0.01	5-05	0320	0.01
5-05	0130	0.01	5-05	0210	0.01	5-05	0325	0.01
5-05	0135	0.01	5-05	0215	0.01	5-05	0335	0.01
5-05	0140	0.01	5-05	0235	0.01	5-05	0400	0.01
5-05	0145	0.01	5-05	0240	0.01	5-05	0455	0.01
5-05	0150	0.02	5-05	0250	0.01	5-05	0855	0.01
5-05	0155	0.03	5-05	0255	0.01	5-05	1025	0.01
5-05	0200	0.01	5-05	0300	0.01	5-05	1750	0.01

STORM TOTAL = 0.27

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	0150	0140	0125	0120
DEPTH	0.03	0.06	0.09	0.14
INTENSITY	0.36	0.24	0.18	0.14

Table 109.--Rainfall data, May 11-14, 1982, for site 393034105051101 Chatfield Lake rain gage near Littleton.

DATE	TIME	RAINFALL, IN INCHES, DURING INDICATED INTERVAL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
5-11	0700	0.01	5-12	1450	0.02	5-13	0735	0.02
5-11	0715	0.01	5-12	1525	0.03	5-13	0750	0.02
5-11	0820	0.01	5-12	1530	0.03	5-13	0755	0.02
5-11	1015	0.01	5-12	1540	0.02	5-13	0805	0.01
5-11	1210	0.01	5-12	1550	0.01	5-13	0810	0.01
5-11	2225	0.01	5-12	1555	0.01	5-13	0820	0.01
5-11	2250	0.01	5-12	1600	0.01	5-13	0825	0.02
5-11	2255	0.01	5-12	1605	0.01	5-13	0840	0.01
5-11	2310	0.01	5-12	1610	0.02	5-13	0900	0.01
5-11	2325	0.01	5-12	1615	0.01	5-13	0905	0.01
5-11	2330	0.01	5-12	1620	0.01	5-13	0920	0.02
5-11	2350	0.01	5-12	1625	0.02	5-13	0945	0.01
5-11	2355	0.01	5-12	1630	0.02	5-13	0950	0.01
			5-12	1635	0.01	5-13	1035	0.01
			5-12	1640	0.03	5-13	1110	0.01
5-12	0100	0.01	5-12	1650	0.03	5-13	1145	0.01
5-12	0105	0.01	5-12	1655	0.01	5-13	1225	0.01
5-12	0125	0.01	5-12	1700	0.02	5-13	1300	0.02
5-12	0130	0.01	5-12	1705	0.01	5-13	1425	0.01
5-12	0140	0.03	5-12	1710	0.01	5-13	1945	0.07
5-12	0150	0.01	5-12	1720	0.03	5-13	1950	0.07
5-12	0155	0.02	5-12	1730	0.03	5-13	1955	0.06
5-12	0215	0.01	5-12	1740	0.03	5-13	2000	0.03
5-12	0220	0.01	5-12	1750	0.03	5-13	2005	0.04
5-12	0230	0.01	5-12	1800	0.03	5-13	2010	0.03
5-12	0235	0.01	5-12	1805	0.01	5-13	2025	0.01
5-12	0320	0.01	5-12	1810	0.01	5-13	2030	0.01
5-12	0325	0.01	5-12	1815	0.03	5-13	2200	0.01
5-12	0405	0.01	5-12	1830	0.02	5-13	2240	0.01
5-12	0410	0.01	5-12	1835	0.02	5-13	2245	0.01
5-12	0655	0.01	5-12	1845	0.01	5-13	2320	0.02
5-12	1005	0.01	5-12	1910	0.03	5-13	2330	0.03
5-12	1120	0.01	5-12	1915	0.04	5-13	2340	0.03
5-12	1125	0.01	5-12	1925	0.03	5-13	2345	0.01
5-12	1140	0.01	5-12	1930	0.04	5-13	2400	0.02
5-12	1145	0.01	5-12	1940	0.03			
5-12	1220	0.01	5-12	1945	0.02			
5-12	1235	0.02	5-12	2000	0.02	5-14	0020	0.02
5-12	1245	0.03	5-12	2005	0.01	5-14	0035	0.01
5-12	1255	0.03	5-12	2025	0.01	5-14	0040	0.01
5-12	1310	0.02	5-12	2030	0.01	5-14	0105	0.01
5-12	1315	0.01	5-12	2235	0.01	5-14	0110	0.01
5-12	1320	0.02				5-14	0125	0.01
5-12	1325	0.01				5-14	0130	0.01
5-12	1330	0.01	5-13	0005	0.01	5-14	0245	0.01
5-12	1345	0.01	5-13	0030	0.01	5-14	0345	0.01
5-12	1405	0.02	5-13	0040	0.01	5-14	0430	0.01
5-12	1415	0.02	5-13	0715	0.01	5-14	0445	0.01
5-12	1425	0.01	5-13	0720	0.01	5-14	0450	0.01
5-12	1430	0.01	5-13	0725	0.01	5-14	0515	0.01

Table 109.--Rainfall data, May 11-14, 1982, for site 393034105051101 Chatfield Lake rain gage near Littleton.--Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
5-14	0530	0.01	5-14	0610	0.01	5-14	1415	0.01
			5-14	0815	0.01			

STORM TOTAL = 2.39

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1940	1940	1940	1940
DEPTH	0.07	0.20	0.30	0.32
INTENSITY	0.84	0.80	0.60	0.32

Table 110.--Rainfall data, May 24-26, 1982, for site 393034105051101 Chatfield Lake rain gage near Littleton

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
5-24	0750	0.01	5-24	2130	0.01	5-25	2255	0.03
5-24	0800	0.01	5-24	2340	0.01	5-25	2300	0.01
5-24	0805	0.01				5-25	2305	0.02
5-24	0820	0.01				5-25	2310	0.01
5-24	0910	0.01	5-25	1815	0.01	5-25	2315	0.02
5-24	1230	0.01	5-25	1820	0.01	5-25	2320	0.03
5-24	1615	0.02	5-25	1825	0.01	5-25	2325	0.03
5-24	1630	0.01	5-25	1835	0.02	5-25	2335	0.03
5-24	1650	0.01	5-25	1840	0.01	5-25	2340	0.01
5-24	1700	0.01	5-25	1910	0.01	5-25	2345	0.03
5-24	1705	0.01	5-25	1920	0.01	5-25	2350	0.03
5-24	1710	0.01	5-25	1925	0.01	5-25	2355	0.01
5-24	1715	0.01	5-25	2010	0.01	5-25	2400	0.02
5-24	1720	0.01	5-25	2155	0.01			
5-24	1730	0.01	5-25	2200	0.01			
5-24	1735	0.01	5-25	2205	0.03	5-26	0005	0.04
5-24	1810	0.01	5-25	2215	0.01	5-26	0010	0.05
5-24	1845	0.01	5-25	2220	0.02	5-26	0020	0.02
5-24	1945	0.01	5-25	2240	0.03	5-26	0030	0.02
5-24	2110	0.01	5-25	2245	0.03	5-26	1045	0.01

STORM TOTAL = 0.89

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	0005	2355	2340	2310
DEPTH	0.05	0.11	0.18	0.30
INTENSITY	0.60	0.44	0.36	0.30

Table 111.--Rainfall data, June 17-18, 1982, for site 393034105051101 Chatfield Lake rain gage near Littleton

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
6-17	1305	0.01	6-18	0130	0.01	6-18	0905	0.02
6-17	1310	0.01	6-18	0135	0.01	6-18	0915	0.01
6-17	1500	0.02	6-18	0140	0.02	6-18	0920	0.01
6-17	2305	0.01	6-18	0145	0.01	6-18	0940	0.01
6-17	2310	0.01	6-18	0150	0.01	6-18	1000	0.01
6-17	2320	0.02	6-18	0155	0.02	6-18	1050	0.01
6-17	2335	0.01	6-18	0200	0.01	6-18	1055	0.01
6-17	2340	0.01	6-18	0215	0.01	6-18	1100	0.02
6-17	2350	0.02	6-18	0220	0.03	6-18	1110	0.01
6-17	2400	0.01	6-18	0225	0.03	6-18	1115	0.01
			6-18	0230	0.01	6-18	1125	0.02
			6-18	0250	0.02	6-18	1130	0.01
6-18	0005	0.01	6-18	0255	0.01	6-18	1210	0.01
6-18	0010	0.02	6-18	0300	0.01	6-18	1305	0.01
6-18	0020	0.01	6-18	0305	0.01	6-18	1320	0.01
6-18	0025	0.01	6-18	0310	0.01	6-18	1350	0.02
6-18	0035	0.01	6-18	0315	0.03	6-18	1450	0.01
6-18	0040	0.03	6-18	0330	0.01	6-18	1745	0.01
6-18	0050	0.02	6-18	0335	0.01	6-18	1750	0.01
6-18	0100	0.03	6-18	0400	0.01	6-18	1800	0.01
6-18	0110	0.02	6-18	0405	0.01	6-18	1820	0.01
6-18	0120	0.02	6-18	0525	0.01	6-18	1900	0.01
6-18	0125	0.01	6-18	0850	0.03	6-18	2030	0.01
			6-18	0900	0.01			

STORM TOTAL = 0.94

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	0035	0210	0030	0055
DEPTH	0.03	0.07	0.09	0.16
INTENSITY	0.36	0.28	0.18	0.16

Table 112.--Rainfall data, July 28-29, 1982, for site 393034105051101 Chatfield Lake rain gage near Littleton

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-28	1450	0.06	7-28	2010	0.02	7-29	0940	0.01
7-28	1455	0.08	7-28	2020	0.03	7-29	1300	0.01
7-28	1500	0.04	7-28	2030	0.03	7-29	1355	0.01
7-28	1505	0.01	7-28	2050	0.01	7-29	1400	0.01
7-28	1510	0.01	7-28	2055	0.01	7-29	1515	0.01
7-28	1520	0.02	7-28	2115	0.01	7-29	1715	0.01
7-28	1555	0.01	7-28	2240	0.01	7-29	1750	0.01
7-28	1635	0.01				7-29	1815	0.01
7-28	1850	0.03				7-29	1830	0.01
7-28	1855	0.01	7-29	0325	0.01	7-29	1850	0.01
7-28	1900	0.01	7-29	0330	0.04	7-29	1940	0.01
7-28	1905	0.01	7-29	0335	0.07	7-29	2010	0.01
7-28	1910	0.01	7-29	0340	0.03	7-29	2025	0.01
7-28	1935	0.01	7-29	0410	0.01	7-29	2115	0.01
7-28	1950	0.02	7-29	0440	0.01	7-29	2125	0.01
7-28	1955	0.02	7-29	0445	0.04	7-29	2155	0.01
7-28	2000	0.01	7-29	0450	0.03	7-29	2225	0.01
7-28	2005	0.01	7-29	0510	0.01	7-29	2355	0.01
			7-29	0635	0.01			

STORM TOTAL = 0.94

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1450	1445	1445	1445
DEPTH	0.08	0.18	0.20	0.22
INTENSITY	0.96	0.72	0.40	0.22

Table 113.--Rainfall data, August 3, 1982, for site 393034105051101 Chatfield Lake rain gage near Littleton

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-03	2140	0.01	8-03	2200	0.01	8-03	2325	0.01
			8-03	2235	0.01			

STORM TOTAL = 0.04

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2135	2135	2135	2135
DEPTH	0.01	0.01	0.02	0.03
INTENSITY	0.12	0.04	0.04	0.03

Table 114.--Rainfall data, August 6, 1982, for site 393034105051101 Chatfield Lake rain gage near Littleton

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-06	1730	0.02	8-06	1735	0.05	8-06	2230	0.01
			8-06	1750	0.01			
			8-06	2110	0.01			

STORM TOTAL = 0.10

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1730	1725	1725	1725
DEPTH	0.05	0.07	0.08	0.08
INTENSITY	0.60	0.28	0.16	0.08

Table 115.--Rainfall data, August 11-13, 1982, for site 393034105051101 Chatfield Lake rain gage near Littleton

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-11	1955	0.03	8-12	0710	0.01	8-12	1745	0.02
8-11	2000	0.03	8-12	1115	0.01	8-12	1750	0.01
8-11	2005	0.01	8-12	1605	0.01	8-12	1755	0.01
8-11	2010	0.02	8-12	1625	0.01	8-12	1800	0.01
8-11	2015	0.02	8-12	1635	0.01	8-12	1950	0.01
8-11	2020	0.02	8-12	1640	0.01			
8-11	2030	0.01	8-12	1645	0.02			
8-11	2035	0.01	8-12	1650	0.01	8-13	1235	0.01
8-11	2045	0.02	8-12	1655	0.02	8-13	1530	0.01
8-11	2055	0.01	8-12	1700	0.02	8-13	1540	0.01
8-11	2100	0.01	8-12	1705	0.02	8-13	1750	0.01
8-11	2105	0.01	8-12	1710	0.01	8-13	1755	0.02
8-11	2115	0.01	8-12	1715	0.01	8-13	1800	0.02
8-11	2120	0.01	8-12	1720	0.02	8-13	1805	0.02
8-11	2200	0.01	8-12	1725	0.01	8-13	1810	0.03
			8-12	1730	0.01	8-13	1815	0.02
			8-12	1735	0.02	8-13	1945	0.01
			8-12	1740	0.01			

STORM TOTAL = 0.69

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1950	1950	1950	1635
DEPTH	0.03	0.07	0.13	0.18
INTENSITY	0.36	0.28	0.26	0.18

Table 116.--Rainfall data, August 17, 1982, for site 393034105051101 Chatfield Lake rain gage near Littleton

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-17	1110	0.01	8-17	1715	0.05	8-17	1735	0.01
8-17	1710	0.02	8-17	1720	0.02	8-17	1845	0.01
			8-17	1725	0.03			

STORM TOTAL = 0.15

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1710	1710	1705	1705
DEPTH	0.05	0.10	0.13	0.13
INTENSITY	0.60	0.40	0.26	0.13

Table 117.--Rainfall data, August 20, 1982, for site 393034105051101 Chatfield Lake rain gage near Littleton

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-20	1735	0.01	8-20	1830	0.03	8-20	1935	0.02
8-20	1740	0.05	8-20	1835	0.01	8-20	1940	0.03
8-20	1745	0.04	8-20	1840	0.05	8-20	1945	0.02
8-20	1750	0.04	8-20	1845	0.04	8-20	1950	0.02
8-20	1755	0.04	8-20	1850	0.04	8-20	1955	0.01
8-20	1800	0.03	8-20	1855	0.04	8-20	2000	0.03
8-20	1805	0.04	8-20	1900	0.03	8-20	2010	0.02
8-20	1810	0.02	8-20	1905	0.04	8-20	2015	0.01
8-20	1815	0.04	8-20	1910	0.02	8-20	2020	0.02
8-20	1820	0.03	8-20	1915	0.04	8-20	2030	0.02
8-20	1825	0.02	8-20	1920	0.03	8-20	2145	0.01
			8-20	1925	0.02			
			8-20	1930	0.03			

STORM TOTAL = 0.99

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1735	1735	1735	1835
DEPTH	0.05	0.13	0.24	0.40
INTENSITY	0.60	0.52	0.48	0.40

Table 118.--Rainfall data, August 23, 1982, for site 393034105051101 Chatfield Lake rain gage near Littleton

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-23	1950	0.01	8-23	2005	0.01	8-23	2035	0.01

STORM TOTAL = 0.03

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1945	1945	1945	1945
DEPTH	0.01	0.01	0.02	0.03
INTENSITY	0.12	0.04	0.04	0.03

Table 119.--Rainfall data, August 28, 1982, for site 393034105051101 Chatfield Lake rain gage near Littleton

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-28	1935	0.01	8-28	1950	0.01	8-28	2055	0.01
			8-28	2015	0.01			

STORM TOTAL = 0.04

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1930	1930	1930	1930
DEPTH	0.01	0.01	0.02	0.03
INTENSITY	0.12	0.04	0.04	0.03

Table 120.--Rainfall data, September 5, 1982, for site 393034105051101 Chatfield Lake rain gage near Littleton

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-05	1955	0.01	9-05	2035	0.01	9-05	2240	0.01

STORM TOTAL = 0.03

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1950	1950	1950	1950
DEPTH	0.01	0.01	0.01	0.02
INTENSITY	0.12	0.04	0.02	0.02

Table 121.--Rainfall data, April 5, 1982, for site 393117104454401 Parker rain gage at Parker

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
4-05	0820	0.01	4-05	0900	0.01	4-05	1320	0.01
			4-05	0925	0.01			

STORM TOTAL = 0.04

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	0815	0815	0855	0815
DEPTH	0.01	0.01	0.02	0.02
INTENSITY	0.12	0.04	0.04	0.02

Table 122.--Rainfall data, April 26-27, 1982, for site 393117104454401 Parker rain gage at Parker

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
4-26	1350	0.01	4-26	1510	0.01	4-27	1600	0.02
4-26	1445	0.01	4-26	1530	0.01	4-27	1605	0.01
4-26	1500	0.01				4-27	1610	0.01
			4-27	1550	0.01			

STORM TOTAL = 0.10

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1555	1555	1545	1545
DEPTH	0.02	0.04	0.05	0.05
INTENSITY	0.24	0.16	0.10	0.05

Table 123.--Rainfall data, May 2, 1982, for site 393117104454401 Parker rain gage at Parker

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
5-02	1210	0.01	5-02	1500	0.01	5-02	1510	0.01
			5-02	1505	0.01			

STORM TOTAL = 0.04

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1205	1455	1455	1455
DEPTH	0.01	0.03	0.03	0.03
INTENSITY	0.12	0.12	0.06	0.03

Table 124.--Rainfall data, May 5, 1982, for site 393117104454401 Parker rain gage at Parker

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
5-05	0130	0.01	5-05	0215	0.01	5-05	1140	0.01
5-05	0135	0.01	5-05	0220	0.01	5-05	1150	0.01
5-05	0140	0.03	5-05	0225	0.01	5-05	1155	0.01
5-05	0145	0.03	5-05	0950	0.01	5-05	1200	0.01
5-05	0150	0.02	5-05	1045	0.01	5-05	1205	0.01
5-05	0155	0.01	5-05	1050	0.01	5-05	1210	0.01
5-05	0200	0.01	5-05	1055	0.01	5-05	1220	0.01
5-05	0205	0.01	5-05	1105	0.01	5-05	1555	0.01
5-05	0210	0.02	5-05	1110	0.01	5-05	1705	0.01
			5-05	1120	0.01			
			5-05	1130	0.01			

STORM TOTAL = 0.35

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	0135	0135	0125	0125
DEPTH	0.03	0.08	0.11	0.18
INTENSITY	0.36	0.32	0.22	0.18

Table 125.--Rainfall data, May 12-14, 1982, for site 393117104454401 Parker rain gage at Parker

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
5-12	0050	0.01	5-12	1700	0.01	5-13	0845	0.01
5-12	0105	0.01	5-12	1705	0.02	5-13	0850	0.01
5-12	0110	0.01	5-12	1710	0.01	5-13	0855	0.01
5-12	0115	0.01	5-12	1715	0.02	5-13	0900	0.01
5-12	0120	0.01	5-12	1720	0.02	5-13	0910	0.01
5-12	0125	0.01	5-12	1725	0.01	5-13	0915	0.01
5-12	0130	0.01	5-12	1730	0.01	5-13	0925	0.01
5-12	0135	0.01	5-12	1735	0.01	5-13	0940	0.01
5-12	0145	0.01	5-12	1740	0.02	5-13	1005	0.01
5-12	0155	0.01	5-12	1745	0.02	5-13	1840	0.01
5-12	0205	0.01	5-12	1750	0.02	5-13	1900	0.01
5-12	0210	0.01	5-12	1755	0.02	5-13	1905	0.05
5-12	0215	0.01	5-12	1800	0.02	5-13	1910	0.04
5-12	0325	0.01	5-12	1805	0.01	5-13	1915	0.02
5-12	1215	0.01	5-12	1810	0.02	5-13	1920	0.02
5-12	1305	0.01	5-12	1815	0.02	5-13	1930	0.01
5-12	1315	0.01	5-12	1820	0.01	5-13	2240	0.01
5-12	1320	0.01	5-12	1825	0.01			
5-12	1325	0.02	5-12	1830	0.01			
5-12	1330	0.01	5-12	2220	0.01	5-14	0010	0.01
5-12	1335	0.01	5-12	2230	0.01	5-14	0035	0.01
5-12	1340	0.01	5-12	2240	0.01	5-14	0045	0.01
5-12	1345	0.01	5-12	2250	0.01	5-14	0055	0.01
5-12	1410	0.01	5-12	2300	0.01	5-14	0105	0.01
5-12	1440	0.03	5-12	2310	0.01	5-14	0110	0.01
5-12	1445	0.02	5-12	2320	0.01	5-14	0125	0.01
5-12	1450	0.01	5-12	2335	0.01	5-14	0135	0.01
5-12	1455	0.01	5-12	2345	0.01	5-14	0250	0.01
5-12	1500	0.01				5-14	0310	0.01
5-12	1505	0.01				5-14	0400	0.01
5-12	1510	0.02	5-13	0005	0.01	5-14	0415	0.01
5-12	1515	0.02	5-13	0025	0.01	5-14	0430	0.01
5-12	1520	0.02	5-13	0040	0.01	5-14	0445	0.01
5-12	1525	0.02	5-13	0050	0.01	5-14	0455	0.01
5-12	1530	0.02	5-13	0100	0.01	5-14	0505	0.01
5-12	1540	0.01	5-13	0120	0.01	5-14	0515	0.01
5-12	1545	0.01	5-13	0135	0.01	5-14	0525	0.01
5-12	1550	0.01	5-13	0200	0.01	5-14	0535	0.01
5-12	1555	0.01	5-13	0230	0.01	5-14	0540	0.01
5-12	1600	0.01	5-13	0305	0.01	5-14	0550	0.01
5-12	1605	0.02	5-13	0630	0.01	5-14	0600	0.01
5-12	1610	0.01	5-13	0635	0.02	5-14	0610	0.01
5-12	1615	0.01	5-13	0640	0.01	5-14	0620	0.01
5-12	1620	0.01	5-13	0645	0.01	5-14	0635	0.01
5-12	1625	0.02	5-13	0650	0.01	5-14	0645	0.01
5-12	1630	0.02	5-13	0700	0.01	5-14	0700	0.01
5-12	1635	0.01	5-13	0825	0.01	5-14	0720	0.01
5-12	1640	0.02	5-13	0830	0.01	5-14	0745	0.01
5-12	1645	0.01	5-13	0835	0.02	5-14	0830	0.01
5-12	1650	0.01	5-13	0840	0.01	5-14	0940	0.01

Table 125.--Rainfall data, May 12-14, 1982, for site 393117104454401 Parker rain gage at Parker, Continued

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
5-14	1000	0.01	5-14	1210	0.01	5-14	1345	0.01
5-14	1150	0.01	5-14	1320	0.01	5-14	1355	0.01

STORM TOTAL = 1.86

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1900	1900	1855	1700
DEPTH	0.05	0.11	0.14	0.20
INTENSITY	0.60	0.44	0.28	0.20

Table 126.--Rainfall data, May 16, 1982, for site 393117104454401 Parker rain gage at Parker

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
5-16	1540	0.03	5-16	1625	0.07	5-16	1705	0.01
5-16	1545	0.06	5-16	1630	0.04	5-16	1710	0.01
5-16	1550	0.05	5-16	1635	0.02	5-16	1720	0.01
5-16	1555	0.01	5-16	1640	0.01	5-16	1730	0.01
5-16	1605	0.01	5-16	1645	0.01	5-16	1735	0.01
5-16	1610	0.09	5-16	1650	0.04	5-16	1745	0.01
5-16	1615	0.16	5-16	1655	0.01	5-16	1800	0.01
5-16	1620	0.13	5-16	1700	0.02	5-16	1835	0.01

STORM TOTAL = 0.84

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1610	1605	1605	1535
DEPTH	0.16	0.38	0.51	0.67
INTENSITY	1.92	1.52	1.02	0.67

Table 127.--Rainfall data, May 19, 1982, for site 393117104454401 Parker rain gage at Parker

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
			5-19	1815	0.02			
			5-19	1820	0.04			

STORM TOTAL = 0.06

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1815	1810	1810	1810
DEPTH	0.04	0.06	0.06	0.06
INTENSITY	0.48	0.24	0.12	0.06

Table 128.--Rainfall data, May 24-26, 1982, for site 393117104454401 Parker rain gage at Parker

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
5-24	0740	0.01	5-24	1920	0.01	5-25	2255	0.02
5-24	0745	0.02	5-24	1930	0.01	5-25	2300	0.02
5-24	0755	0.01	5-24	2035	0.01	5-25	2305	0.02
5-24	0800	0.01	5-24	2120	0.01	5-25	2310	0.02
5-24	0805	0.01	5-24	2135	0.01	5-25	2315	0.02
5-24	0810	0.01	5-24	2150	0.01	5-25	2320	0.02
5-24	0820	0.01				5-25	2325	0.01
5-24	0825	0.02				5-25	2335	0.01
5-24	0830	0.01	5-25	1745	0.01	5-25	2340	0.02
5-24	0835	0.01	5-25	2150	0.01	5-25	2345	0.02
5-24	0840	0.01	5-25	2155	0.01	5-25	2350	0.02
5-24	0845	0.01	5-25	2200	0.01	5-25	2355	0.02
5-24	0855	0.01	5-25	2205	0.02	5-25	2400	0.01
5-24	0910	0.01	5-25	2210	0.01			
5-24	1545	0.01	5-25	2215	0.01			
5-24	1705	0.01	5-25	2225	0.02	5-26	0005	0.01
5-24	1720	0.01	5-25	2230	0.01	5-26	0010	0.01
5-24	1740	0.01	5-25	2235	0.02	5-26	0015	0.02
5-24	1820	0.01	5-25	2240	0.02	5-26	0020	0.02
5-24	1845	0.01	5-25	2245	0.02	5-26	0035	0.01
5-24	1905	0.01	5-25	2250	0.01	5-26	0840	0.01

STORM TOTAL = 0.78

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	0740	2230	2250	2220
DEPTH	0.02	0.06	0.12	0.22
INTENSITY	0.24	0.24	0.24	0.22

Table 129.--Rainfall data, May 29-30, 1982, for site 393117104454401 Parker rain gage at Parker

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
5-29	1510	0.01				5-30	1745	0.01
5-29	1540	0.01	5-30	1410	0.01	5-30	1825	0.01
5-29	1545	0.01	5-30	1515	0.01	5-30	1855	0.01
5-29	1920	0.01	5-30	1525	0.01	5-30	1915	0.01
			5-30	1650	0.01	5-30	1935	0.01
			5-30	1705	0.01			
			5-30	1715	0.01			

STORM TOTAL = 0.15

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1505	1535	1645	1645
DEPTH	0.01	0.02	0.03	0.04
INTENSITY	0.12	0.08	0.06	0.04

Table 130.--Rainfall data, June 2-3, 1982, for site 393117104454401 Parker rain gage at Parker

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
6-02	2215	0.01	6-03	0320	0.01	6-03	0950	0.03
6-02	2220	0.01	6-03	0335	0.02	6-03	0955	0.01
6-02	2225	0.01	6-03	0340	0.01	6-03	1000	0.01
6-02	2240	0.01	6-03	0350	0.01	6-03	1005	0.01
6-02	2350	0.01	6-03	0455	0.01	6-03	1010	0.01
			6-03	0600	0.01	6-03	1015	0.01
			6-03	0610	0.01	6-03	1025	0.01
6-03	0005	0.01	6-03	0715	0.01	6-03	1430	0.02
6-03	0010	0.01	6-03	0800	0.01	6-03	1435	0.01
6-03	0025	0.01	6-03	0925	0.01	6-03	1440	0.01
6-03	0030	0.02	6-03	0930	0.02	6-03	1450	0.01
6-03	0035	0.01	6-03	0940	0.02	6-03	1500	0.01
6-03	0040	0.01	6-03	0945	0.01	6-03	1505	0.01

STORM TOTAL = 0.44

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	0945	0935	0920	0920
DEPTH	0.03	0.06	0.09	0.14
INTENSITY	0.36	0.24	0.18	0.14

Table 131.--Rainfall data, June 11-12, 1982, for site 393117104454401 Parker rain gage at Parker

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
6-11	1855	0.01	6-11	1920	0.06	6-12	1045	0.01
6-11	1905	0.07	6-11	1925	0.09	6-12	1630	0.03
6-11	1910	0.03	6-11	1930	0.06	6-12	1635	0.06
6-11	1915	0.05	6-11	1935	0.01	6-12	1640	0.05

STORM TOTAL = 0.53

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1920	1915	1900	1850
DEPTH	0.09	0.21	0.36	0.38
INTENSITY	1.08	0.84	0.72	0.38

Table 132.--Rainfall data, June 17-18, 1982, for site 393117104454401 Parker rain gage at Parker

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
6-17	1335	0.01	6-18	0200	0.02	6-18	0335	0.01
6-17	1510	0.02	6-18	0205	0.01	6-18	0340	0.01
6-17	1515	0.01	6-18	0210	0.01	6-18	0400	0.01
6-17	1520	0.02	6-18	0215	0.01	6-18	0910	0.01
6-17	1525	0.03	6-18	0220	0.01	6-18	0940	0.01
6-17	1530	0.03	6-18	0225	0.01	6-18	1110	0.01
6-17	1545	0.01	6-18	0230	0.01	6-18	1115	0.01
6-17	2215	0.01	6-18	0235	0.01	6-18	1120	0.01
6-17	2250	0.01	6-18	0240	0.01	6-18	1125	0.01
			6-18	0250	0.01	6-18	1135	0.01
			6-18	0300	0.01	6-18	1145	0.01
6-18	0140	0.01	6-18	0305	0.01	6-18	1155	0.01
6-18	0145	0.01	6-18	0310	0.01	6-18	1410	0.01
6-18	0150	0.02	6-18	0315	0.01	6-18	1755	0.01
6-18	0155	0.02	6-18	0325	0.01	6-18	1825	0.01

STORM TOTAL = 0.52

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1520	1515	1505	0135
DEPTH	0.03	0.08	0.11	0.15
INTENSITY	0.36	0.32	0.22	0.15

Table 133.--Rainfall data, June 23-25, 1982, for site 393117104454401 Parker rain gage at Parker

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
6-23	1700	0.04	6-24	1620	0.08	6-25	2055	0.01
6-23	1705	0.02	6-24	1625	0.03	6-25	2100	0.01
6-23	1710	0.01	6-24	1630	0.01	6-25	2115	0.01
6-23	1715	0.01	6-24	1635	0.01	6-25	2125	0.01
6-23	1755	0.01	6-24	1715	0.01	6-25	2130	0.01
6-23	1820	0.01	6-24	1720	0.02	6-25	2135	0.01
			6-24	1725	0.01	6-25	2140	0.01
			6-24	1855	0.01	6-25	2145	0.01
6-24	1600	0.01				6-25	2150	0.01
6-24	1605	0.02				6-25	2205	0.01
6-24	1610	0.09	6-25	2035	0.08	6-25	2220	0.01
6-24	1615	0.21	6-25	2040	0.33	6-25	2335	0.01
			6-25	2045	0.10			
			6-25	2050	0.08			

STORM TOTAL = 1.36

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2035	2030	2030	2030
DEPTH	0.33	0.51	0.65	0.68
INTENSITY	3.96	2.04	1.30	0.68

Table 134.--Rainfall data, July 1, 1982, for site 393117104454401 Parker rain gage at Parker

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-01	1510	0.06	7-01	1515	0.02	7-01	1520	0.01

STORM TOTAL = 0.09

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1505	1505	1505	1505
DEPTH	0.06	0.09	0.09	0.09
INTENSITY	0.72	0.36	0.18	0.09

Table 135.--Rainfall data, July 9, 1982, for site 393117104454401 Parker rain gage at Parker

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-09	0145	0.01	7-09	0720	0.01	7-09	1410	0.01
7-09	0350	0.01	7-09	1405	0.01	7-09	1415	0.08

STORM TOTAL = 0.13

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1410	1400	1400	1400
DEPTH	0.08	0.10	0.10	0.10
INTENSITY	0.96	0.40	0.20	0.10

Table 136.--Rainfall data, July 21, 1982, for site 393117104454401 Parker rain gage at Parker

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-21	1920	0.01	7-21	1925	0.03	7-21	2125	0.01

STORM TOTAL = 0.05

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1920	1915	1915	1915
DEPTH	0.03	0.04	0.04	0.04
INTENSITY	0.36	0.16	0.08	0.04

Table 137.--Rainfall data, July 27-29, 1982, for site 393117104454401 Parker rain gage at Parker

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-27	0435	0.02	7-28	2205	0.01	7-29	0540	0.04
7-27	0440	0.02	7-28	2210	0.01	7-29	0545	0.04
7-27	0450	0.01	7-28	2215	0.01	7-29	0550	0.02
7-27	0455	0.02	7-28	2220	0.01	7-29	0555	0.01
			7-28	2225	0.01	7-29	0600	0.01
			7-28	2245	0.01	7-29	0610	0.01
7-28	1650	0.01				7-29	0625	0.01
7-28	1700	0.01				7-29	0700	0.01
7-28	1725	0.01	7-29	0440	0.01	7-29	0735	0.01
7-28	1740	0.01	7-29	0445	0.02	7-29	1550	0.01
7-28	1745	0.01	7-29	0450	0.01	7-29	1610	0.01
7-28	1755	0.01	7-29	0455	0.01	7-29	1640	0.01
7-28	1810	0.01	7-29	0500	0.01	7-29	1715	0.01
7-28	2050	0.01	7-29	0510	0.01	7-29	1735	0.01
7-28	2145	0.01	7-29	0520	0.01	7-29	1955	0.01
7-28	2150	0.01	7-29	0535	0.02	7-29	2240	0.01

STORM TOTAL = 0.56

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	0535	0530	0530	0450
DEPTH	0.04	0.10	0.14	0.16
INTENSITY	0.48	0.40	0.28	0.16

Table 138.--Rainfall data, August 3-4, 1982, for site 393117104454401 Parker rain gage at Parker

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-03	2020	0.01	8-03	2215	0.03			
8-03	2030	0.01	8-03	2220	0.02			
8-03	2035	0.02	8-03	2225	0.02	8-04	0010	0.01
8-03	2040	0.14	8-03	2230	0.01	8-04	0015	0.02
8-03	2045	0.14	8-03	2235	0.03	8-04	0020	0.01
8-03	2050	0.09	8-03	2240	0.01	8-04	0025	0.03
8-03	2055	0.06	8-03	2245	0.01	8-04	0030	0.01
8-03	2100	0.06	8-03	2250	0.02	8-04	0035	0.02
8-03	2105	0.06	8-03	2300	0.02	8-04	0040	0.02
8-03	2110	0.05	8-03	2310	0.01	8-04	0045	0.03
8-03	2115	0.02	8-03	2315	0.01	8-04	0050	0.02
8-03	2120	0.02	8-03	2320	0.02	8-04	0055	0.03
8-03	2125	0.01	8-03	2325	0.02	8-04	0100	0.02
8-03	2130	0.02	8-03	2330	0.02	8-04	0105	0.02
8-03	2135	0.02	8-03	2335	0.02	8-04	0110	0.02
8-03	2140	0.01	8-03	2340	0.01	8-04	0115	0.03
8-03	2150	0.01	8-03	2345	0.01	8-04	0120	0.01
8-03	2155	0.01	8-03	2350	0.01	8-04	0125	0.01
8-03	2205	0.01	8-03	2355	0.01	8-04	0130	0.01
8-03	2210	0.01	8-03	2400	0.02	8-04	0740	0.01

STORM TOTAL = 1.44

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2035	2035	2035	2030
DEPTH	0.14	0.37	0.55	0.69
INTENSITY	1.68	1.48	1.10	0.69

Table 139.--Rainfall data, August 7, 1982, for site 393117104454401 Parker rain gage at Parker

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-07	0020	0.04	8-07	0025	0.04	8-07	1100	0.01
			8-07	0030	0.01			

STORM TOTAL = 0.10

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	0015	0015	0015	0015
DEPTH	0.04	0.09	0.09	0.09
INTENSITY	0.48	0.36	0.18	0.09

Table 140.--Rainfall data, August 10-12, 1982, for site 393117104454401 Parker rain gage at Parker

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-10	1455	0.01	8-11	2250	0.01	8-12	1750	0.01
8-10	1500	0.07	8-11	2255	0.01	8-12	1810	0.01
8-10	1505	0.03	8-11	2300	0.01	8-12	1820	0.01
						8-12	1825	0.01
						8-12	1830	0.01
8-11	1005	0.01	8-12	0925	0.01	8-12	1835	0.01
8-11	2210	0.02	8-12	1300	0.01	8-12	1840	0.02
8-11	2215	0.01	8-12	1720	0.06	8-12	1845	0.01
8-11	2220	0.01	8-12	1725	0.10	8-12	1850	0.02
8-11	2230	0.01	8-12	1730	0.02	8-12	1855	0.01
8-11	2235	0.01	8-12	1735	0.02	8-12	1900	0.02
8-11	2240	0.01	8-12	1740	0.01	8-12	1915	0.01

STORM TOTAL = 0.60

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1720	1715	1715	1715
DEPTH	0.10	0.18	0.21	0.23
INTENSITY	1.20	0.72	0.42	0.23

Table 141.--Rainfall data, August 20, 1982, for site 393117104454401 Parker rain gage at Parker

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-20	1850	0.04	8-20	1945	0.05	8-20	2050	0.01
8-20	1855	0.13	8-20	1950	0.05	8-20	2100	0.01
8-20	1900	0.16	8-20	1955	0.04	8-20	2105	0.01
8-20	1905	0.13	8-20	2000	0.02	8-20	2110	0.01
8-20	1910	0.17	8-20	2005	0.01	8-20	2115	0.01
8-20	1915	0.18	8-20	2010	0.01	8-20	2120	0.01
8-20	1920	0.12	8-20	2015	0.01	8-20	2125	0.01
8-20	1925	0.08	8-20	2020	0.03	8-20	2130	0.01
8-20	1930	0.06	8-20	2025	0.03	8-20	2135	0.01
8-20	1935	0.15	8-20	2030	0.02	8-20	2140	0.01
8-20	1940	0.17	8-20	2035	0.01	8-20	2150	0.01
			8-20	2045	0.01			

STORM TOTAL = 1.79

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1910	1900	1850	1850
DEPTH	0.18	0.48	0.89	1.45
INTENSITY	2.16	1.92	1.78	1.45

Table 142.--Rainfall data, August 23, 1982, for site 393117104454401 Parker rain gage at Parker

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-23	0405	0.01	8-23	0420	0.01	8-23	0855	0.01
			8-23	0450	0.01			

STORM TOTAL = 0.04

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	0400	0400	0400	0400
DEPTH	0.01	0.01	0.02	0.03
INTENSITY	0.12	0.04	0.04	0.03

Table 143.--Rainfall data, August 28, 1982, for site 393117104454401 Parker rain gage at Parker

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-28	2025	0.03	8-28	2030	0.01	8-28	2110	0.01
			8-28	2035	0.02			

STORM TOTAL = 0.07

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2020	2020	2020	2020
DEPTH	0.03	0.06	0.06	0.07
INTENSITY	0.36	0.24	0.12	0.07

Table 144.--Rainfall data, September 11-15, 1982, for site 393117104454401 Parker rain gage at Parker

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-11	0430	0.01	9-12	1420	0.01	9-13	1705	0.01
9-11	0500	0.01	9-12	1425	0.01	9-13	1710	0.06
9-11	1720	0.01	9-12	1435	0.01	9-13	1715	0.09
9-11	1825	0.01	9-12	1445	0.01	9-13	1720	0.07
9-11	1900	0.01	9-12	1450	0.01	9-13	1725	0.01
9-11	1910	0.01	9-12	1455	0.01	9-13	1730	0.01
9-11	1925	0.01	9-12	1505	0.01	9-13	1735	0.01
9-11	1940	0.01	9-12	1530	0.01	9-13	2110	0.02
9-11	1945	0.01	9-12	1545	0.01	9-13	2120	0.01
9-11	1950	0.01	9-12	1555	0.01			
9-11	1955	0.01	9-12	1600	0.01			
9-11	2000	0.01	9-12	1610	0.01	9-14	1710	0.01
9-11	2005	0.01	9-12	1615	0.01	9-14	1720	0.01
9-11	2010	0.01	9-12	1625	0.01	9-14	1950	0.01
9-11	2015	0.02	9-12	1635	0.01	9-14	2005	0.01
9-11	2020	0.01	9-12	1650	0.01	9-14	2105	0.01
9-11	2025	0.01	9-12	1700	0.01	9-14	2120	0.01
9-11	2030	0.01	9-12	1705	0.01	9-14	2125	0.01
9-11	2035	0.01	9-12	1710	0.01	9-14	2130	0.02
9-11	2040	0.01	9-12	1720	0.01	9-14	2140	0.01
9-11	2050	0.01	9-12	1820	0.01	9-14	2150	0.01
9-11	2140	0.01				9-14	2205	0.01
9-11	2305	0.01				9-14	2250	0.01
9-11	2330	0.01	9-13	0130	0.01	9-14	2255	0.01
			9-13	0135	0.01	9-14	2310	0.01
			9-13	0145	0.01			
9-12	0230	0.01	9-13	0200	0.01			
9-12	0345	0.01	9-13	0205	0.01	9-15	0430	0.01
9-12	0400	0.01	9-13	0340	0.01	9-15	0525	0.01
9-12	0430	0.01	9-13	1645	0.01	9-15	0605	0.01
9-12	1405	0.01	9-13	1650	0.01	9-15	0630	0.01
9-12	1415	0.01	9-13	1655	0.01	9-15	0735	0.01
			9-13	1700	0.02			

STORM TOTAL = 1.14

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1710	1705	1650	1640
DEPTH	0.09	0.24	0.28	0.33
INTENSITY	1.08	0.96	0.56	0.33

Table 145.--Rainfall data, June 24-25, 1982, for site 393221104520301 Frontage Road rain gage at Interstate Highway 25 and west Parker Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
6-24	1605	0.25	6-24	1805	0.01	6-25	2210	0.03
6-24	1610	0.21				6-25	2230	0.01
6-24	1615	0.02				6-25	2240	0.01
6-24	1620	0.01	6-25	2030	0.01	6-25	2245	0.02
6-24	1645	0.01	6-25	2140	0.25	6-25	2250	0.01
6-24	1705	0.17	6-25	2145	0.10	6-25	2300	0.01
6-24	1710	0.20	6-25	2150	0.12	6-25	2305	0.01
6-24	1715	0.06	6-25	2155	0.08	6-25	2310	0.01
6-24	1720	0.01	6-25	2200	0.15	6-25	2320	0.01
			6-25	2205	0.09			

STORM TOTAL = 1.87

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1600	1600	2135	2135
DEPTH	0.25	0.48	0.79	0.83
INTENSITY	3.00	1.92	1.58	0.83

Table 146.--Rainfall data, July 9, 1982, for site 393221104520301 Frontage Road rain gage at Interstate Highway 25 and west Parker Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-09	0710	0.01	7-09	1405	0.02	7-09	1410	0.05

STORM TOTAL = 0.08

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1405	1400	1400	1400
DEPTH	0.05	0.07	0.07	0.07
INTENSITY	0.60	0.28	0.14	0.07

Table 147.--Rainfall data, July 11, 1982, for site 393221104520301 Frontage Road rain gage at Interstate Highway 25 and west Parker Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-11	1920	0.01	7-11	1925	0.06	7-11	1950	0.01

STORM TOTAL = 0.08

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1920	1915	1915	1915
DEPTH	0.06	0.07	0.07	0.08
INTENSITY	0.72	0.28	0.14	0.08

Table 148.--Rainfall data, July 27-29, 1982, for site 393221104520301 Frontage Road rain gage at Interstate Highway 25 and west Parker Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-27	0425	0.05	7-28	1725	0.01	7-29	0410	0.01
7-27	0430	0.01	7-28	1735	0.01	7-29	0415	0.01
7-27	0950	0.01	7-28	1745	0.01	7-29	0420	0.03
			7-28	2020	0.01	7-29	0425	0.07
			7-28	2105	0.01	7-29	0430	0.04
7-28	1330	0.01	7-28	2115	0.01	7-29	0435	0.03
7-28	1340	0.01	7-28	2120	0.01	7-29	0440	0.04
7-28	1345	0.01	7-28	2125	0.01	7-29	0445	0.02
7-28	1350	0.01	7-28	2130	0.01	7-29	0450	0.01
7-28	1620	0.04	7-28	2135	0.02	7-29	0455	0.01
7-28	1625	0.06	7-28	2145	0.01	7-29	0505	0.01
7-28	1630	0.05	7-28	2150	0.01	7-29	0535	0.01
7-28	1635	0.06	7-28	2155	0.01	7-29	0555	0.01
7-28	1640	0.05	7-28	2200	0.01	7-29	0605	0.01
7-28	1645	0.02	7-28	2205	0.01	7-29	0615	0.01
7-28	1650	0.01	7-28	2215	0.01	7-29	0935	0.01
7-28	1700	0.01	7-28	2240	0.01	7-29	1505	0.01

STORM TOTAL = 0.93

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	0420	1620	1615	1615
DEPTH	0.07	0.17	0.28	0.30
INTENSITY	0.84	0.68	0.56	0.30

Table 149.--Rainfall data, August 3-4, 1982, for site 393221104520301 Frontage Road rain gage at Interstate Highway 25 and west Parker Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-03	2010	0.09	8-03	2130	0.01	8-04	0035	0.01
8-03	2015	0.12	8-03	2135	0.01	8-04	0040	0.01
8-03	2020	0.11	8-03	2140	0.03	8-04	0050	0.01
8-03	2025	0.06	8-03	2145	0.04	8-04	0055	0.02
8-03	2030	0.05	8-03	2150	0.03	8-04	0100	0.01
8-03	2035	0.16	8-03	2155	0.01	8-04	0105	0.03
8-03	2040	0.07	8-03	2200	0.01	8-04	0110	0.02
8-03	2045	0.10	8-03	2340	0.01	8-04	0115	0.01
8-03	2050	0.06				8-04	0120	0.02
8-03	2055	0.04				8-04	0125	0.02
8-03	2100	0.03	8-04	0005	0.01	8-04	0130	0.01
8-03	2105	0.03	8-04	0010	0.01	8-04	0135	0.01
8-03	2110	0.03	8-04	0015	0.01	8-04	0145	0.01
8-03	2115	0.02	8-04	0025	0.02	8-04	0155	0.01
8-03	2120	0.02	8-04	0030	0.01	8-04	1115	0.01

STORM TOTAL = 1.41

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2030	2030	2005	2005
DEPTH	0.16	0.33	0.59	0.92
INTENSITY	1.92	1.32	1.18	0.92

Table 150.--Rainfall data, August 11-12, 1982, for site 393221104520301 Frontage Road rain gage at Interstate Highway 25 and west Parker Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-11	2150	0.01				8-12	1825	0.01
8-11	2200	0.01	8-12	0610	0.01	8-12	1830	0.02
8-11	2205	0.02	8-12	1700	0.02	8-12	1835	0.01
8-11	2215	0.01	8-12	1705	0.01	8-12	1840	0.02
8-11	2220	0.01	8-12	1710	0.02	8-12	1845	0.02
8-11	2225	0.01	8-12	1715	0.02	8-12	1850	0.02
8-11	2230	0.01	8-12	1730	0.01	8-12	1855	0.01
8-11	2235	0.02	8-12	1745	0.01	8-12	1900	0.01
8-11	2240	0.02	8-12	1750	0.01	8-12	1910	0.01
8-11	2245	0.02	8-12	1755	0.01	8-12	1925	0.02
8-11	2250	0.01	8-12	1800	0.01	8-12	1930	0.02
8-11	2255	0.01	8-12	1810	0.01	8-12	1935	0.01
			8-12	1815	0.01	8-12	2110	0.01
			8-12	1820	0.01			

STORM TOTAL = 0.51

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2200	2230	1820	2155
DEPTH	0.02	0.06	0.10	0.15
INTENSITY	0.24	0.24	0.20	0.15

Table 151.--Rainfall data, August 16-17, 1982, for site 393221104520301 Frontage Road rain gage at Interstate Highway 25 and west Parker Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-16	1850	0.01	8-16	2225	0.01	8-17	1420	0.12
8-16	2120	0.01	8-16	2250	0.01	8-17	1425	0.16
8-16	2155	0.01				8-17	1430	0.05
8-16	2205	0.01				8-17	1435	0.01
8-16	2215	0.01	8-17	0745	0.01	8-17	1445	0.01
			8-17	1410	0.01			
			8-17	1415	0.04			

STORM TOTAL = 0.48

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1420	1415	1405	1405
DEPTH	0.16	0.33	0.39	0.40
INTENSITY	1.92	1.32	0.78	0.40

Table 152.--Rainfall data, August 20, 1982, for site 393221104520301 Frontage Road rain gage at Interstate Highway 25 and west Parker Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-20	1850	0.01	8-20	2010	0.03	8-20	2100	0.01
8-20	1925	0.01	8-20	2015	0.03	8-20	2105	0.01
8-20	1935	0.01	8-20	2020	0.04	8-20	2110	0.02
8-20	1940	0.08	8-20	2025	0.02	8-20	2115	0.01
8-20	1945	0.07	8-20	2030	0.02	8-20	2120	0.02
8-20	1950	0.04	8-20	2035	0.02	8-20	2125	0.01
8-20	1955	0.03	8-20	2040	0.01	8-20	2130	0.01
8-20	2000	0.02	8-20	2045	0.01	8-20	2135	0.01
8-20	2005	0.03	8-20	2050	0.01	8-20	2145	0.01
			8-20	2055	0.01			

STORM TOTAL = 0.61

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1935	1935	1935	1935
DEPTH	0.08	0.19	0.27	0.43
INTENSITY	0.96	0.76	0.54	0.43

Table 153.--Rainfall data, August 23, 1982, for site 393221104520301 Frontage Road rain gage at Interstate Highway 25 and west Parker Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-23	0400	0.01	8-23	0500	0.01	8-23	1550	0.01
8-23	0430	0.01	8-23	0945	0.01	8-23	1935	0.01

STORM TOTAL = 0.06

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	0355	0355	0355	0355
DEPTH	0.01	0.01	0.01	0.02
INTENSITY	0.12	0.04	0.02	0.02

Table 154.--Rainfall data, August 27, 1982, for site 393221104520301 Frontage Road rain gage at Interstate Highway 25 and west Parker Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-27	1555	0.03	8-27	1600	0.10	8-27	1615	0.01
			8-27	1605	0.05			

STORM TOTAL = 0.19

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1555	1550	1550	1550
DEPTH	0.10	0.18	0.19	0.19
INTENSITY	1.20	0.72	0.38	0.19

Table 155.--Rainfall data, September 6, 1982, for site 393221104520301 Frontage Road rain gage at Interstate Highway 25 and west Parker Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-06	1655	0.01	9-06	1720	0.01	9-06	1740	0.01
9-06	1705	0.01	9-06	1725	0.01	9-06	1750	0.01
9-06	1710	0.01	9-06	1730	0.07	9-06	1825	0.01
			9-06	1735	0.02			

STORM TOTAL = 0.17

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1725	1720	1705	1650
DEPTH	0.07	0.10	0.12	0.16
INTENSITY	0.84	0.40	0.24	0.16

Table 156.--Rainfall data, September 10-15, 1982, for site 393221104520301 Frontage Road rain gage at Interstate Highway 25 and west Parker Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-10	1815	0.02	9-12	0140	0.01	9-13	1725	0.01
9-10	1820	0.05	9-12	0330	0.01			
9-10	1825	0.04	9-12	0355	0.01			
9-10	1830	0.01	9-12	0450	0.01	9-14	1105	0.01
9-10	1845	0.01	9-12	1345	0.01	9-14	2020	0.01
9-10	1950	0.01	9-12	1515	0.01	9-14	2045	0.01
			9-12	1530	0.01	9-14	2105	0.01
			9-12	1545	0.01	9-14	2110	0.01
9-11	1440	0.01	9-12	1620	0.01	9-14	2115	0.01
9-11	1610	0.01	9-12	1635	0.01	9-14	2125	0.01
9-11	1630	0.01	9-12	1645	0.01	9-14	2130	0.01
9-11	1650	0.01	9-12	1700	0.01	9-14	2140	0.01
9-11	1725	0.01	9-12	1745	0.01	9-14	2145	0.01
9-11	1835	0.01				9-14	2205	0.01
9-11	1840	0.01				9-14	2250	0.01
9-11	1845	0.02	9-13	0055	0.01			
9-11	1850	0.01	9-13	0100	0.01			
9-11	1855	0.01	9-13	0105	0.01	9-15	0035	0.01
9-11	1900	0.01	9-13	0115	0.01	9-15	0110	0.01
9-11	1905	0.01	9-13	0120	0.01	9-15	0300	0.01
9-11	1915	0.01	9-13	0130	0.01	9-15	0330	0.01
9-11	1920	0.01	9-13	0145	0.01	9-15	0335	0.01
9-11	1930	0.01	9-13	0215	0.01	9-15	0340	0.01
9-11	1935	0.01	9-13	1315	0.01	9-15	0350	0.01
9-11	1940	0.01	9-13	1335	0.03	9-15	0400	0.01
9-11	1950	0.01	9-13	1340	0.04	9-15	0410	0.02
9-11	2000	0.01	9-13	1345	0.01	9-15	0415	0.01
9-11	2010	0.01	9-13	1400	0.01	9-15	0425	0.01
9-11	2020	0.01	9-13	1410	0.01	9-15	0435	0.01
9-11	2030	0.01	9-13	1420	0.01	9-15	0445	0.01
9-11	2040	0.01	9-13	1425	0.01	9-15	0505	0.01
9-11	2055	0.01	9-13	1550	0.15	9-15	0510	0.01
9-11	2140	0.01	9-13	1555	0.03	9-15	0550	0.01
9-11	2325	0.01	9-13	1600	0.07	9-15	0555	0.01
9-11	2355	0.01	9-13	1605	0.01	9-15	0605	0.01
			9-13	1610	0.01	9-15	0630	0.01
			9-13	1700	0.01	9-15	0705	0.01
			9-13	1715	0.01			

STORM TOTAL = 1.39

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1545	1545	1545	1545
DEPTH	0.15	0.25	0.27	0.27
INTENSITY	1.80	1.00	0.54	0.27

Table 157.--Rainfall data, September 17, 1982, for site 393221104520301 Frontage Road rain gage at Interstate Highway 25 and west Parker Road

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-17	0905	0.01	9-17	1750	0.01	9-17	1920	0.01

STORM TOTAL = 0.03

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	0900	0900	0900	0900
DEPTH	0.01	0.01	0.01	0.01
INTENSITY	0.12	0.04	0.02	0.01

Table 158.--Rainfall data, June 25, 1982, for site 393357105060401 Chatfield Avenue and Garrison Street rain gage near Littleton

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
6-25	1630	0.01	6-25	1640	0.02	6-25	2015	0.01
6-25	1635	0.01	6-25	1905	0.01	6-25	2020	0.01
			6-25	2010	0.03			

STORM TOTAL = 0.10

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2005	2005	2005	2005
DEPTH	0.03	0.05	0.05	0.05
INTENSITY	0.36	0.20	0.10	0.05

Table 159.--Rainfall data, July 9, 1982, for site 393357105060401 Chatfield Avenue and Garrison Street rain gage near Littleton

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-09	0615	0.01	7-09	1340	0.02	7-09	1350	0.14
7-09	1145	0.01	7-09	1345	0.29	7-09	1355	0.01

STORM TOTAL = 0.48

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1340	1335	1335	1335
DEPTH	0.29	0.45	0.46	0.46
INTENSITY	3.48	1.80	0.92	0.46

le 160.--Rainfall data, July 11, 1982, for site 393357105060401 Chatfield Avenue and Garrison Street rain gage near Littleton

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-11	1605	0.01	7-11	1850	0.05	7-11	1855	0.02

STORM TOTAL = 0.08

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1845	1845	1845	1845
DEPTH	0.05	0.07	0.07	0.07
INTENSITY	0.60	0.28	0.14	0.07

ble 161.--Rainfall data, July 27-30, 1982, for site 393357105060401 Chatfield Avenue and Garrison Street rain gage near Littleton

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-27	0500	0.04	7-28	1605	0.01	7-29	0435	0.01
7-27	0505	0.04	7-28	1625	0.01	7-29	0440	0.02
7-27	0510	0.07	7-28	1705	0.01	7-29	0445	0.01
7-27	0515	0.01	7-28	1950	0.01	7-29	0500	0.01
7-27	0545	0.02	7-28	2000	0.01	7-29	0505	0.03
7-27	0555	0.01	7-28	2005	0.01	7-29	0510	0.01
7-27	0955	0.01	7-28	2020	0.01	7-29	0540	0.01
7-27	1935	0.01	7-28	2025	0.01	7-29	0715	0.01
			7-28	2030	0.02	7-29	0850	0.01
			7-28	2035	0.02	7-29	1300	0.01
7-28	1435	0.01	7-28	2040	0.02	7-29	1435	0.01
7-28	1440	0.02	7-28	2045	0.02	7-29	1500	0.01
7-28	1505	0.02	7-28	2050	0.02	7-29	1630	0.01
7-28	1510	0.07	7-28	2055	0.01	7-29	1710	0.01
7-28	1515	0.05	7-28	2100	0.02	7-29	1825	0.01
7-28	1520	0.02	7-28	2105	0.01	7-29	1845	0.01
7-28	1525	0.05	7-28	2115	0.01	7-29	1930	0.01
7-28	1530	0.02	7-28	2125	0.01	7-29	1940	0.01
7-28	1535	0.02	7-28	2140	0.01	7-29	2045	0.01
7-28	1540	0.02				7-29	2200	0.01
7-28	1545	0.01						
7-28	1550	0.01	7-29	0425	0.01			
7-28	1600	0.01	7-29	0430	0.02	7-30	0710	0.01

STORM TOTAL = 1.06

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	0505	0455	1500	1500
DEPTH	0.07	0.15	0.23	0.30
INTENSITY	0.84	0.60	0.46	0.30

Table 162.--Rainfall data, August 2-4, 1982, for site 393357105060401 Chatfield Avenue and Garrison Street rain gage near Littleton

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-02	0925	0.01	8-03	2055	0.01	8-04	0925	0.01
8-02	2245	0.01	8-03	2155	0.01	8-04	1420	0.01
8-02	2300	0.01	8-03	2205	0.01	8-04	1425	0.04
			8-03	2215	0.01	8-04	1430	0.05
			8-03	2320	0.01	8-04	1435	0.02
8-03	1000	0.01				8-04	1445	0.01
8-03	2050	0.01				8-04	1505	0.01

STORM TOTAL = 0.25

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1425	1420	1415	1415
DEPTH	0.05	0.11	0.13	0.14
INTENSITY	0.60	0.44	0.26	0.14

Table 163.--Rainfall data, August 6, 1982, for site 393357105060401 Chatfield Avenue and Garrison Street rain gage near Littleton

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-06	1830	0.20	8-06	1840	0.02	8-06	2200	0.01
8-06	1835	0.25	8-06	1850	0.01	8-06	2210	0.01
			8-06	2150	0.01			
			8-06	2155	0.01			

STORM TOTAL = 0.52

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1830	1825	1825	1825
DEPTH	0.25	0.47	0.48	0.48
INTENSITY	3.00	1.88	0.96	0.48

Table 164.--Rainfall data, August 10-13, 1982, for site 393357105060401 Chatfield Avenue and Garrison Street rain gage near Littleton

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-10	1325	0.01	8-11	2200	0.01	8-12	1835	0.01
8-10	1440	0.01	8-11	2205	0.01	8-12	1840	0.02
8-10	1445	0.03	8-11	2210	0.01	8-12	1845	0.02
8-10	1455	0.01	8-11	2215	0.02	8-12	1850	0.01
			8-11	2220	0.01	8-12	1855	0.01
			8-11	2225	0.01	8-12	1900	0.01
8-11	1905	0.02	8-11	2230	0.01	8-12	1905	0.01
8-11	1910	0.01	8-11	2235	0.01	8-12	1910	0.01
8-11	2120	0.01	8-11	2335	0.01			
8-11	2125	0.01						
8-11	2130	0.03				8-13	1225	0.01
8-11	2135	0.10	8-12	1140	0.01	8-13	1700	0.01
8-11	2140	0.04	8-12	1820	0.01	8-13	1705	0.02
8-11	2145	0.01	8-12	1825	0.01	8-13	1915	0.02
8-11	2150	0.01	8-12	1830	0.01	8-13	1920	0.01

STORM TOTAL = 0.61

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2130	2125	2115	2115
DEPTH	0.10	0.17	0.20	0.26
INTENSITY	1.20	0.68	0.40	0.26

Table 165.--Rainfall data, August 17, 1982, for site 393357105060401 Chatfield Avenue and Garrison Street rain gage near Littleton

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-17	0950	0.01	8-17	1850	0.17	8-17	1910	0.02
8-17	1840	0.02	8-17	1855	0.08	8-17	1915	0.02
8-17	1845	0.04	8-17	1900	0.08	8-17	1920	0.01
			8-17	1905	0.06			

STORM TOTAL = 0.51

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1845	1845	1835	1835
DEPTH	0.17	0.33	0.45	0.50
INTENSITY	2.04	1.32	0.90	0.50

Table 166.--Rainfall data, August 20, 1982, for site 393357105060401 Chatfield Avenue and Garrison Street rain gage near Littleton

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-20	1655	0.06	8-20	1735	0.03	8-20	2020	0.01
8-20	1700	0.04	8-20	1740	0.01	8-20	2025	0.01
8-20	1705	0.02	8-20	1745	0.03	8-20	2030	0.01
8-20	1710	0.07	8-20	1750	0.04	8-20	2035	0.01
8-20	1715	0.03	8-20	1755	0.04	8-20	2045	0.01
8-20	1720	0.07	8-20	1800	0.02	8-20	2050	0.01
8-20	1725	0.07	8-20	1820	0.01	8-20	2055	0.01
8-20	1730	0.04	8-20	2000	0.01	8-20	2140	0.01
			8-20	2010	0.01			

STORM TOTAL = 0.68

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1705	1715	1705	1650
DEPTH	0.07	0.18	0.31	0.51
INTENSITY	0.84	0.72	0.62	0.51

Table 167.--Rainfall data, August 28, 1982, for site 393357105060401 Chatfield Avenue and Garrison Street rain gage near Littleton

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-28	1210	0.01	8-28	1945	0.15	8-28	2105	0.01
			8-28	1950	0.01			
			8-28	2100	0.01			

STORM TOTAL = 0.19

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1940	1940	1940	1940
DEPTH	0.15	0.16	0.16	0.16
INTENSITY	1.80	0.64	0.32	0.16

Table 168.--Rainfall data, September 5-6, 1982, for site 393357105060401 Chatfield Avenue and Garrison Street rain gage near Littleton

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-05	1535	0.01	9-05	1700	0.01	9-06	1650	0.02
9-05	1600	0.01				9-06	1655	0.01
9-05	1625	0.01				9-06	1700	0.01
9-05	1640	0.01	9-06	0950	0.01	9-06	1705	0.02
			9-06	1640	0.02			
			9-06	1645	0.03			

STORM TOTAL = 0.17

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1640	1635	1635	1635
DEPTH	0.03	0.07	0.11	0.11
INTENSITY	0.36	0.28	0.22	0.11

le 169.--Rainfall data, September 11-15, 1982, for site 393357105060401 Chatfield Avenue and Garrison Street rain gage near Littleton

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-11	0910	0.01	9-11	1820	0.01	9-13	0110	0.01
9-11	0920	0.01	9-11	1830	0.01	9-13	0935	0.01
9-11	0925	0.01	9-11	1845	0.01	9-13	1345	0.01
9-11	0940	0.01	9-11	1850	0.01	9-13	1440	0.01
9-11	0955	0.01	9-11	1855	0.01	9-13	1455	0.02
9-11	1005	0.01	9-11	1905	0.01	9-13	1500	0.01
9-11	1010	0.01	9-11	1910	0.01	9-13	1525	0.02
9-11	1015	0.01	9-11	1920	0.02	9-13	1530	0.10
9-11	1025	0.01	9-11	1925	0.01	9-13	1535	0.08
9-11	1035	0.01	9-11	1930	0.02	9-13	1600	0.01
9-11	1045	0.01	9-11	1940	0.01	9-13	2035	0.02
9-11	1050	0.01	9-11	1950	0.01	9-13	2040	0.01
9-11	1100	0.01	9-11	1955	0.01			
9-11	1105	0.01	9-11	2000	0.01			
9-11	1125	0.01	9-11	2010	0.01	9-14	1235	0.01
9-11	1130	0.01	9-11	2020	0.01	9-14	2030	0.01
9-11	1140	0.01	9-11	2035	0.01	9-14	2040	0.01
9-11	1150	0.01	9-11	2055	0.01	9-14	2050	0.01
9-11	1235	0.01	9-11	2110	0.01	9-14	2110	0.01
9-11	1255	0.01	9-11	2235	0.01	9-14	2115	0.01
9-11	1305	0.01	9-11	2250	0.01	9-14	2125	0.01
9-11	1310	0.01				9-14	2140	0.01
9-11	1320	0.01				9-14	2150	0.01
9-11	1325	0.01	9-12	0020	0.01	9-14	2215	0.01
9-11	1340	0.01	9-12	0540	0.01	9-14	2400	0.01
9-11	1400	0.01	9-12	1415	0.01			
9-11	1415	0.01	9-12	1440	0.01			
9-11	1430	0.01	9-12	1455	0.01	9-15	0110	0.01
9-11	1510	0.01	9-12	1545	0.01	9-15	0150	0.01
9-11	1545	0.01	9-12	1555	0.01	9-15	0155	0.01
9-11	1550	0.01	9-12	1600	0.01	9-15	0215	0.01
9-11	1555	0.01	9-12	1615	0.01	9-15	0240	0.01
9-11	1615	0.01	9-12	1635	0.01	9-15	0255	0.01
9-11	1630	0.01	9-12	2250	0.01	9-15	0315	0.01
9-11	1635	0.01				9-15	0320	0.01
9-11	1645	0.01				9-15	0325	0.01
9-11	1700	0.01	9-13	0005	0.01	9-15	0355	0.01
9-11	1715	0.01	9-13	0010	0.01	9-15	0405	0.01
9-11	1720	0.01	9-13	0015	0.01	9-15	0410	0.01
9-11	1725	0.01	9-13	0025	0.01	9-15	0435	0.01
9-11	1730	0.01	9-13	0030	0.01	9-15	0505	0.01
9-11	1735	0.01	9-13	0035	0.01	9-15	0530	0.01
9-11	1745	0.01	9-13	0040	0.01	9-15	0550	0.01
9-11	1750	0.01	9-13	0045	0.03	9-15	0605	0.01
9-11	1805	0.01	9-13	0050	0.02	9-15	0715	0.01
9-11	1810	0.01	9-13	0055	0.02	9-15	1340	0.01
			9-13	0100	0.01			

STORM TOTAL = 1.56

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1525	1520	1520	1435
DEPTH	0.10	0.20	0.20	0.24
INTENSITY	1.20	0.80	0.40	0.24

Table 170.--Rainfall data, September 17, 1982, for site 393357105060401 Chatfield Avenue and Garrison Street rain gage near Littleton

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-17	0650	0.01	9-17	1015	0.01	9-17	1755	0.01
			9-17	1140	0.01			

STORM TOTAL = 0.04

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	0645	0645	0645	0645
DEPTH	0.01	0.01	0.01	0.01
INTENSITY	0.12	0.04	0.02	0.01

Table 171.--Rainfall data, September 30, 1982, for site 393357105060401 Chatfield Avenue and Garrison Street rain gage near Littleton

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-30	0740	0.01	9-30	1355	0.01	9-30	1840	0.01
9-30	0815	0.01	9-30	1430	0.01	9-30	2030	0.01
9-30	1015	0.01	9-30	1440	0.01	9-30	2105	0.01
9-30	1045	0.01	9-30	1505	0.01	9-30	2125	0.01
			9-30	1645	0.01			

STORM TOTAL = 0.13

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	0735	1425	1425	1350
DEPTH	0.01	0.02	0.02	0.03
INTENSITY	0.12	0.08	0.04	0.03

Table 172.--Rainfall data, June 17-18, 1982, for site 393734104480901 Melvin School rain gage at Aurora

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
6-17	1300	0.01	6-18	0205	0.01	6-18	0840	0.01
6-17	1400	0.01	6-18	0215	0.01	6-18	0900	0.01
6-17	1455	0.01	6-18	0225	0.01	6-18	0905	0.01
6-17	1500	0.02	6-18	0230	0.01	6-18	0930	0.01
6-17	1505	0.02	6-18	0235	0.01	6-18	1000	0.01
6-17	1510	0.02	6-18	0240	0.01	6-18	1110	0.01
6-17	1515	0.01	6-18	0245	0.01	6-18	1115	0.01
6-17	1530	0.01	6-18	0250	0.01	6-18	1120	0.01
6-17	1730	0.01	6-18	0255	0.01	6-18	1125	0.01
6-17	2135	0.03	6-18	0300	0.01	6-18	1130	0.01
6-17	2140	0.17	6-18	0305	0.01	6-18	1135	0.01
6-17	2145	0.01	6-18	0310	0.01	6-18	1145	0.01
6-17	2200	0.01	6-18	0315	0.01	6-18	1200	0.01
6-17	2230	0.01	6-18	0320	0.01	6-18	1230	0.01
			6-18	0330	0.01	6-18	1330	0.01
			6-18	0340	0.01	6-18	1400	0.01
6-18	0150	0.01	6-18	0350	0.01	6-18	1430	0.01
6-18	0155	0.01	6-18	0400	0.01	6-18	1600	0.01
6-18	0200	0.01	6-18	0430	0.01	6-18	1830	0.01
			6-18	0600	0.01			
			6-18	0730	0.01			

STORM TOTAL = 0.78

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2135	2130	2130	2130
DEPTH	0.17	0.21	0.22	0.23
INTENSITY	2.04	0.84	0.44	0.23

Table 173.--Rainfall data, June 24-25, 1982, for site 393734104480901 Melvin School rain gage at Aurora

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
6-24	1700	0.04				6-25	2100	0.01
6-24	1705	0.07				6-25	2105	0.01
6-24	1715	0.01	6-25	2040	0.02	6-25	2130	0.01
6-24	1740	0.01	6-25	2045	0.01	6-25	2220	0.01
			6-25	2050	0.01			
			6-25	2055	0.01			

STORM TOTAL = 0.22

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1700	1655	1655	1655
DEPTH	0.07	0.11	0.12	0.13
INTENSITY	0.84	0.44	0.24	0.13

Table 174.--Rainfall data, July 1, 1982, for site 393734104480901 Melvin School rain gage at Aurora

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-01	1505	0.01	7-01	1510	0.01	7-01	1635	0.01
			7-01	1515	0.01			
			7-01	1620	0.01			

STORM TOTAL = 0.05

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1500	1500	1500	1500
DEPTH	0.01	0.03	0.03	0.03
INTENSITY	0.12	0.12	0.06	0.03

Table 175.--Rainfall data, July 9, 1982, for site 393734104480901 Melvin School rain gage at Aurora

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-09	0835	0.01	7-09	1405	0.01	7-09	1420	0.03
7-09	0845	0.01	7-09	1415	0.03	7-09	1555	0.01

STORM TOTAL = 0.10

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1410	1410	1400	1400
DEPTH	0.03	0.06	0.07	0.07
INTENSITY	0.36	0.24	0.14	0.07

Table 176.--Rainfall data, July 17, 1982, for site 393734104480901 Melvin School rain gage at Aurora

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
			7-17	1620	0.04			
			7-17	1625	0.01			

STORM TOTAL = 0.05

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1615	1615	1615	1615
DEPTH	0.04	0.05	0.05	0.05
INTENSITY	0.48	0.20	0.10	0.05

Table 177.--Rainfall data, July 27-29, 1982, for site 393734104480901 Melvin School rain gage at Aurora

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-27	0420	0.01	7-28	1540	0.01	7-29	0530	0.02
7-27	0445	0.01	7-28	1640	0.01	7-29	0540	0.01
7-27	1520	0.01	7-28	1650	0.02	7-29	0630	0.01
			7-28	1655	0.01	7-29	0745	0.01
			7-28	1705	0.01	7-29	0750	0.01
7-28	1305	0.08	7-28	1710	0.01	7-29	0850	0.01
7-28	1310	0.12	7-28	1715	0.01	7-29	1535	0.01
7-28	1315	0.10	7-28	1725	0.01	7-29	1545	0.01
7-28	1320	0.15	7-28	1750	0.01	7-29	1555	0.01
7-28	1325	0.07	7-28	1810	0.01	7-29	1600	0.01
7-28	1330	0.01	7-28	2125	0.01	7-29	1605	0.01
7-28	1345	0.01	7-28	2130	0.01	7-29	1610	0.01
7-28	1420	0.01	7-28	2140	0.01	7-29	1620	0.01
7-28	1445	0.01	7-28	2145	0.01	7-29	1630	0.01
7-28	1450	0.09	7-28	2200	0.01	7-29	1640	0.01
7-28	1455	0.08	7-28	2215	0.01	7-29	1645	0.01
7-28	1500	0.21				7-29	1650	0.01
7-28	1505	0.25				7-29	1655	0.01
7-28	1510	0.12	7-29	0430	0.01	7-29	1710	0.01
7-28	1515	0.09	7-29	0455	0.01	7-29	1720	0.01
7-28	1520	0.08	7-29	0505	0.01	7-29	1735	0.01
7-28	1525	0.07	7-29	0515	0.07	7-29	1820	0.01
7-28	1530	0.04	7-29	0520	0.05	7-29	2040	0.01
7-28	1535	0.02	7-29	0525	0.02	7-29	2335	0.01

STORM TOTAL = 2.23

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1500	1455	1445	1440
DEPTH	0.25	0.58	0.84	1.07
INTENSITY	3.00	2.32	1.68	1.07

Table 178.--Rainfall data, August 3, 1982, for site 393734104480901 Melvin School rain gage at Aurora

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-03	0730	0.01	8-03	2045	0.01	8-03	2100	0.23
8-03	0950	0.01	8-03	2050	0.07	8-03	2105	0.02
8-03	2005	0.01	8-03	2055	0.25	8-03	2115	0.01

STORM TOTAL = 0.62

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2050	2045	2040	2040
DEPTH	0.25	0.55	0.58	0.59
INTENSITY	3.00	2.20	1.16	0.59

Table 179.--Rainfall data, August 6, 1982, for site 393734104480901 Melvin School rain gage at Aurora

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-06	1750	0.02	8-06	1755	0.09	8-06	2205	0.01
			8-06	1805	0.02			
			8-06	1810	0.01			

STORM TOTAL = 0.15

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1750	1745	1745	1745
DEPTH	0.09	0.11	0.14	0.14
INTENSITY	1.08	0.44	0.28	0.14

Table 180.--Rainfall data, August 11-13, 1982, for site 393734104480901 Melvin School rain gage at Aurora

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-11	2145	0.01				8-12	1905	0.04
8-11	2150	0.02	8-12	0940	0.01	8-12	1910	0.02
8-11	2155	0.01	8-12	1735	0.01	8-12	1915	0.01
8-11	2205	0.01	8-12	1740	0.01	8-12	1925	0.01
8-11	2210	0.02	8-12	1755	0.01	8-12	1935	0.01
8-11	2215	0.02	8-12	1805	0.01	8-12	1940	0.01
8-11	2220	0.02	8-12	1820	0.01	8-12	1945	0.01
8-11	2225	0.02	8-12	1825	0.01			
8-11	2230	0.01	8-12	1830	0.01			
8-11	2240	0.01	8-12	1835	0.01	8-13	0855	0.01
8-11	2250	0.01	8-12	1840	0.01	8-13	1725	0.01
8-11	2300	0.01	8-12	1845	0.01	8-13	1735	0.01
			8-12	1850	0.02	8-13	2130	0.01
			8-12	1855	0.01			
			8-12	1900	0.03			

STORM TOTAL = 0.49

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1900	1855	1840	1815
DEPTH	0.04	0.09	0.13	0.19
INTENSITY	0.48	0.36	0.26	0.19

Table 181.--Rainfall data, August 16-17, 1982, for site 393734104480901 Melvin School rain gage at Aurora

		RAINFALL, IN INCHES, DURING INDICATED INTERVAL						
DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-16	1855	0.08	8-16	1920	0.01	8-17	1425	0.06
8-16	1900	0.17	8-16	1925	0.01	8-17	1430	0.15
8-16	1905	0.31	8-16	2155	0.01	8-17	1435	0.08
8-16	1910	0.40	8-16	2225	0.01	8-17	1440	0.01
8-16	1915	0.12				8-17	1650	0.01
			8-17	0905	0.01			

STORM TOTAL = 1.44

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1905	1855	1850	1850
DEPTH	0.40	0.88	1.09	1.10
INTENSITY	4.80	3.52	2.18	1.10

Table 182.--Rainfall data, August 20, 1982, for site 393734104480901 Melvin School rain gage at Aurora

		RAINFALL, IN INCHES, DURING INDICATED INTERVAL						
DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-20	2005	0.02	8-20	2040	0.01	8-20	2110	0.01
8-20	2010	0.16	8-20	2055	0.01	8-20	2115	0.02
8-20	2015	0.12	8-20	2100	0.01	8-20	2120	0.01
8-20	2020	0.01	8-20	2105	0.01	8-20	2125	0.01

STORM TOTAL = 0.40

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2005	2000	2000	2000
DEPTH	0.16	0.30	0.31	0.34
INTENSITY	1.92	1.20	0.62	0.34

Table 183.--Rainfall data, August 23, 1982, for site 393734104480901 Melvin School rain gage at Aurora

		RAINFALL, IN INCHES, DURING INDICATED INTERVAL						
DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-23	0415	0.01	8-23	0430	0.01	8-23	1025	0.01
			8-23	0745	0.01			

STORM TOTAL = 0.04

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	0410	0410	0410	0410
DEPTH	0.01	0.01	0.02	0.02
INTENSITY	0.12	0.04	0.04	0.02

Table 184.--Rainfall data, September 5-6, 1982, for site 393734104480901 Melvin School rain gage at Aurora

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-05	1325	0.01	9-05	1705	0.01			
9-05	1355	0.01	9-05	1740	0.01	9-06	1750	0.04

STORM TOTAL = 0.08

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1745	1745	1745	1745
DEPTH	0.04	0.04	0.04	0.04
INTENSITY	0.48	0.16	0.08	0.04

Table 185.--Rainfall data, September 11-13, 1982, for site 393734104480901 Melvin School rain gage at Aurora

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-11	1510	0.01	9-11	2030	0.01	9-12	1515	0.01
9-11	1635	0.01	9-11	2035	0.02	9-12	1535	0.01
9-11	1730	0.01	9-11	2040	0.01	9-12	1555	0.01
9-11	1830	0.01	9-11	2055	0.01	9-12	1615	0.01
9-11	1855	0.01	9-11	2110	0.01	9-12	1625	0.01
9-11	1900	0.01	9-11	2140	0.01	9-12	1635	0.01
9-11	1905	0.01	9-11	2210	0.01	9-12	1645	0.01
9-11	1915	0.01	9-11	2315	0.01	9-12	1650	0.01
9-11	1930	0.01	9-11	2335	0.01	9-12	1705	0.01
9-11	1935	0.01				9-12	1735	0.01
9-11	1945	0.01						
9-11	1955	0.01	9-12	0020	0.01			
9-11	2000	0.01	9-12	0220	0.01	9-13	0115	0.01
9-11	2010	0.01	9-12	0410	0.01	9-13	0130	0.01
9-11	2015	0.01	9-12	1130	0.01	9-13	0150	0.01
9-11	2020	0.01	9-12	1425	0.01	9-13	0245	0.01
			9-12	1450	0.01			
			9-12	1505	0.01			

STORM TOTAL = 0.47

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2030	2025	2005	1940
DEPTH	0.02	0.04	0.06	0.10
INTENSITY	0.24	0.16	0.12	0.10

Table 186.--Rainfall data, June 24-25, 1982, for site 393751104493001 Cherry Creek tributary No. 1 rain gage near Aurora

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
6-24	1655	0.02	6-24	1800	0.01	6-25	2050	0.01
6-24	1700	0.01				6-25	2055	0.01
6-24	1705	0.01				6-25	2100	0.01
6-24	1710	0.01	6-25	2040	0.02	6-25	2125	0.01
			6-25	2045	0.01			

STORM TOTAL = 0.13

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1650	1650	2035	2035
DEPTH	0.02	0.04	0.06	0.07
INTENSITY	0.24	0.16	0.12	0.07

Table 187.--Rainfall data, July 9, 1982, for site 393751104493001 Cherry Creek tributary No. 1 rain gage near Aurora

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-09	0730	0.01	7-09	1325	0.01	7-09	1425	0.01
7-09	0840	0.01	7-09	1415	0.04	7-09	1535	0.01
			7-09	1420	0.04			

STORM TOTAL = 0.13

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1410	1410	1410	1320
DEPTH	0.04	0.09	0.09	0.09
INTENSITY	0.48	0.36	0.18	0.09

Table 188.--Rainfall data, July 28-29, 1982, for site 393751104493001 Cherry Creek tributary No. 1 rain gage near Aurora

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
7-28	1245	0.04	7-28	1635	0.02	7-29	0500	0.03
7-28	1250	0.11	7-28	1640	0.01	7-29	0505	0.02
7-28	1255	0.20	7-28	1645	0.02	7-29	0510	0.02
7-28	1300	0.11	7-28	1650	0.01	7-29	0525	0.01
7-28	1305	0.11	7-28	1705	0.01	7-29	0605	0.01
7-28	1310	0.02	7-28	1725	0.01	7-29	0720	0.02
7-28	1320	0.01	7-28	1730	0.01	7-29	0730	0.01
7-28	1355	0.03	7-28	2050	0.01	7-29	0855	0.01
7-28	1420	0.01	7-28	2100	0.01	7-29	1200	0.01
7-28	1430	0.06	7-28	2105	0.01	7-29	1340	0.01
7-28	1435	0.14	7-28	2110	0.01	7-29	1535	0.01
7-28	1440	0.12	7-28	2115	0.01	7-29	1545	0.01
7-28	1445	0.17	7-28	2120	0.01	7-29	1550	0.01
7-28	1450	0.05	7-28	2130	0.01	7-29	1555	0.01
7-28	1455	0.10	7-28	2135	0.01	7-29	1605	0.01
7-28	1500	0.07	7-28	2145	0.01	7-29	1615	0.01
7-28	1505	0.05	7-28	2205	0.01	7-29	1630	0.01
7-28	1510	0.12				7-29	1640	0.01
7-28	1515	0.08				7-29	1655	0.01
7-28	1520	0.01	7-29	0415	0.01	7-29	1705	0.01
7-28	1535	0.01	7-29	0430	0.01	7-29	1725	0.01
7-28	1610	0.02	7-29	0435	0.01	7-29	1915	0.01
7-28	1615	0.02	7-29	0440	0.02	7-29	1950	0.01
7-28	1620	0.02	7-29	0445	0.09	7-29	2040	0.01
7-28	1625	0.01	7-29	0450	0.11	7-29	2115	0.01
7-28	1630	0.02	7-29	0455	0.06	7-29	2250	0.01

STORM TOTAL = 2.52

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1250	1430	1430	1415
DEPTH	0.20	0.43	0.65	0.97
INTENSITY	2.40	1.72	1.30	0.97

Table 189.--Rainfall data, August 2-7, 1982, for site 393751104493001 Cherry Creek tributary No. 1 rain gage near Aurora

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-02	1010	0.01	8-03	2400	0.01	8-04	0205	0.01
8-02	2310	0.01				8-04	0715	0.01
8-02	2315	0.01				8-04	0920	0.01
8-02	2330	0.01	8-04	0005	0.02	8-04	1430	0.01
			8-04	0010	0.01	8-04	1500	0.03
			8-04	0015	0.02	8-04	1505	0.16
8-03	0005	0.01	8-04	0020	0.02	8-04	1510	0.07
8-03	0855	0.01	8-04	0025	0.01	8-04	1515	0.02
8-03	1050	0.01	8-04	0030	0.02	8-04	1520	0.01
8-03	2030	0.05	8-04	0035	0.01	8-04	1540	0.01
8-03	2035	0.24	8-04	0040	0.02	8-04	1815	0.01
8-03	2040	0.30	8-04	0045	0.03			
8-03	2045	0.22	8-04	0050	0.02			
8-03	2050	0.03	8-04	0055	0.02	8-05	0900	0.01
8-03	2105	0.01	8-04	0100	0.02	8-05	1145	0.01
8-03	2110	0.01	8-04	0105	0.01	8-05	1320	0.01
8-03	2115	0.02	8-04	0110	0.02			
8-03	2130	0.01	8-04	0115	0.02			
8-03	2145	0.01	8-04	0120	0.01	8-06	1125	0.01
8-03	2150	0.01	8-04	0125	0.03	8-06	1800	0.02
8-03	2305	0.01	8-04	0130	0.02	8-06	1805	0.01
8-03	2335	0.02	8-04	0135	0.02			
8-03	2340	0.02	8-04	0140	0.01			
8-03	2345	0.02	8-04	0145	0.02	8-07	0945	0.01
8-03	2350	0.01	8-04	0150	0.01	8-07	0955	0.01
8-03	2355	0.02	8-04	0155	0.01	8-07	1210	0.01

STORM TOTAL = 1.94

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2035	2030	2025	2025
DEPTH	0.30	0.76	0.84	0.88
INTENSITY	3.60	3.04	1.68	0.88

Table 190.--Rainfall data, August 11-13, 1982, for site 393751104493001 Cherry Creek tributary No. 1 rain gage near Aurora

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-11	1005	0.01				8-12	1915	0.02
8-11	2155	0.01				8-12	1920	0.02
8-11	2200	0.01	8-12	0845	0.01	8-12	1930	0.01
8-11	2205	0.01	8-12	1730	0.02	8-12	1940	0.01
8-11	2215	0.02	8-12	1740	0.01	8-12	1945	0.02
8-11	2220	0.02	8-12	1810	0.01	8-12	2245	0.01
8-11	2225	0.01	8-12	1825	0.01			
8-11	2230	0.01	8-12	1830	0.01			
8-11	2235	0.02	8-12	1835	0.01	8-13	0920	0.01
8-11	2240	0.03	8-12	1840	0.02	8-13	1725	0.01
8-11	2250	0.01	8-12	1845	0.01	8-13	1730	0.02
8-11	2255	0.01	8-12	1850	0.01	8-13	1735	0.01
8-11	2300	0.01	8-12	1855	0.03	8-13	1740	0.01
8-11	2320	0.01	8-12	1900	0.02	8-13	1745	0.01
			8-12	1905	0.04			
			8-12	1910	0.03			

STORM TOTAL = 0.59

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1900	1850	1850	1821
DEPTH	0.04	0.09	0.16	0.23
INTENSITY	0.48	0.36	0.32	0.23

Table 191.--Rainfall data, August 16-17, 1982, for site 393751104493001 Cherry Creek tributary No. 1 rain gage near Aurora

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-16	0900	0.01	8-16	2205	0.01	8-17	1445	0.01
8-16	1515	0.01				8-17	1455	0.03
8-16	1900	0.02				8-17	1500	0.05
8-16	1905	0.12	8-17	0805	0.01	8-17	1505	0.01
8-16	1910	0.18	8-17	1035	0.01	8-17	1510	0.01
8-16	1915	0.20	8-17	1435	0.17	8-17	1520	0.01
8-16	1920	0.04	8-17	1440	0.05	8-17	1635	0.01

STORM TOTAL = 0.96

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1910	1900	1855	1855
DEPTH	0.20	0.50	0.56	0.56
INTENSITY	2.40	2.00	1.12	0.56

Table 192.--Rainfall data, August 20, 1982, for site 393751104493001 Cherry Creek tributary No. 1 rain gage near Aurora

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-20	1030	0.01	8-20	2020	0.04	8-20	2105	0.01
8-20	1945	0.01	8-20	2025	0.02	8-20	2110	0.02
8-20	1950	0.01	8-20	2030	0.02	8-20	2115	0.01
8-20	1955	0.01	8-20	2035	0.01	8-20	2120	0.02
8-20	2005	0.01	8-20	2040	0.01	8-20	2125	0.02
8-20	2010	0.02	8-20	2050	0.01	8-20	2130	0.01
8-20	2015	0.19	8-20	2100	0.01	8-20	2140	0.01

STORM TOTAL = 0.48

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	2010	2005	2000	1940
DEPTH	0.19	0.25	0.30	0.35
INTENSITY	2.28	1.00	0.60	0.35

Table 193.--Rainfall data, August 23, 1982, for site 393751104493001 Cherry Creek tributary No. 1 rain gage near Aurora

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
8-23	0430	0.01	8-23	0455	0.01	8-23	1350	0.01
			8-23	0950	0.01			

STORM TOTAL = 0.04

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	0425	0425	0425	0425
DEPTH	0.01	0.01	0.02	0.02
INTENSITY	0.12	0.04	0.04	0.02

Table 194.--Rainfall data, August 28, 1982, for site 393751104493001 Cherry Creek tributary No. 1 rain gage near Aurora

		RAINFALL, IN INCHES, DURING INDICATED INTERVAL								
DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL		
8-28	1005	0.01	8-28	2020	0.01	8-28	2025	0.01		
STORM TOTAL =	0.03									
DURATION	5 MIN	15 MIN	30 MIN	1 HR						
TIME	1000	2015	2015	2015						
DEPTH	0.01	0.02	0.02	0.02						
INTENSITY	0.12	0.08	0.04	0.02						

Table 195.--Rainfall data, September 5-6, 1982, for site 393751104493001 Cherry Creek tributary No. 1 rain gage near Aurora

		RAINFALL, IN INCHES, DURING INDICATED INTERVAL								
DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL		
9-05	1040	0.01	9-05	1705	0.01	9-06	1755	0.06		
9-05	1410	0.01	9-05	1740	0.01	9-06	1800	0.03		
9-05	1625	0.01				9-06	1805	0.01		
			9-06	0845	0.01					
STORM TOTAL =	0.16									
DURATION	5 MIN	15 MIN	30 MIN	1 HR						
TIME	1750	1750	1750	1750						
DEPTH	0.06	0.10	0.10	0.10						
INTENSITY	0.72	0.40	0.20	0.10						

Table 196.--Rainfall data, September 11-15, 1982, for site 393751104493001 Cherry Creek tributary No. 1 rain gage near Aurora

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-11	1435	0.01	9-12	1455	0.01			
9-11	1500	0.01	9-12	1500	0.01			
9-11	1610	0.01	9-12	1510	0.01	9-14	1715	0.01
9-11	1640	0.01	9-12	1515	0.01	9-14	1735	0.01
9-11	1655	0.01	9-12	1525	0.01	9-14	2040	0.01
9-11	1705	0.01	9-12	1535	0.01	9-14	2050	0.01
9-11	1710	0.01	9-12	1550	0.01	9-14	2105	0.02
9-11	1735	0.01	9-12	1610	0.01	9-14	2115	0.01
9-11	1810	0.01	9-12	1620	0.01	9-14	2125	0.01
9-11	1845	0.01	9-12	1625	0.01	9-14	2130	0.01
9-11	1900	0.01	9-12	1635	0.01	9-14	2135	0.01
9-11	1905	0.01	9-12	1650	0.01	9-14	2140	0.01
9-11	1910	0.01	9-12	1655	0.01	9-14	2145	0.01
9-11	1915	0.01	9-12	1700	0.01	9-14	2150	0.01
9-11	1925	0.01	9-12	1705	0.01	9-14	2200	0.01
9-11	1930	0.01	9-12	1720	0.01	9-14	2205	0.01
9-11	1940	0.01				9-14	2210	0.01
9-11	1950	0.01				9-14	2215	0.01
9-11	1955	0.01	9-13	0115	0.01	9-14	2225	0.01
9-11	2000	0.01	9-13	0125	0.01	9-14	2305	0.01
9-11	2010	0.01	9-13	0130	0.01	9-14	2315	0.01
9-11	2020	0.01	9-13	0140	0.01			
9-11	2025	0.01	9-13	0145	0.01			
9-11	2030	0.01	9-13	0200	0.01	9-15	0105	0.01
9-11	2035	0.01	9-13	0230	0.01	9-15	0130	0.01
9-11	2040	0.01	9-13	0930	0.01	9-15	0150	0.01
9-11	2045	0.02	9-13	1100	0.01	9-15	0335	0.01
9-11	2055	0.01	9-13	1335	0.01	9-15	0340	0.02
9-11	2105	0.01	9-13	1340	0.02	9-15	0345	0.01
9-11	2120	0.01	9-13	1345	0.02	9-15	0350	0.01
9-11	2135	0.01	9-13	1400	0.01	9-15	0355	0.01
9-11	2200	0.01	9-13	1405	0.05	9-15	0400	0.01
9-11	2255	0.01	9-13	1410	0.07	9-15	0405	0.01
9-11	2305	0.01	9-13	1415	0.01	9-15	0410	0.01
9-11	2325	0.01	9-13	1420	0.01	9-15	0415	0.01
9-11	2335	0.01	9-13	1430	0.04	9-15	0420	0.01
9-11	2400	0.01	9-13	1435	0.03	9-15	0430	0.01
			9-13	1445	0.01	9-15	0440	0.01
			9-13	1500	0.01	9-15	0450	0.01
9-12	0030	0.01	9-13	1605	0.01	9-15	0455	0.01
9-12	0135	0.01	9-13	1610	0.08	9-15	0535	0.01
9-12	0245	0.01	9-13	1615	0.02	9-15	0610	0.01
9-12	0420	0.01	9-13	1620	0.01	9-15	0635	0.01
9-12	0845	0.01	9-13	1625	0.02	9-15	0945	0.01
9-12	1410	0.01	9-13	1635	0.01	9-15	1450	0.01
			9-13	1740	0.01			
			9-13	2155	0.01			

STORM TOTAL = 1.58

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	1605	1355	1400	1335
DEPTH	0.08	0.13	0.18	0.26
INTENSITY	0.96	0.52	0.36	0.26

Table 197.--Rainfall data, September 17, 1982, for site 393751104493001 Cherry Creek tributary No. 1 rain gage near Aurora

RAINFALL, IN INCHES, DURING INDICATED INTERVAL

DATE	TIME	RAINFALL	DATE	TIME	RAINFALL	DATE	TIME	RAINFALL
9-17	0845	0.01	9-17	0915	0.01	9-17	1810	0.01
			9-17	1100	0.01			

STORM TOTAL = 0.04

DURATION	5 MIN	15 MIN	30 MIN	1 HR
TIME	0840	0840	0840	0840
DEPTH	0.01	0.01	0.01	0.02
INTENSITY	0.12	0.04	0.02	0.02

DAILY MEAN STREAM-DISCHARGE VALUES AT THE MONITORING STATIONS

Daily mean stream-discharge values for 06708000 South Platte River at Waterton and 06709500 Plum Creek near Louviers are available in the files of the U.S. Geological Survey for the 1982 and 1983 water years. Daily mean stream-discharge values for 06709610 South Platte River below Chatfield Lake were provided by the U.S. Army Corps of Engineers.

One flow event occurred at station 06712440 Happy Canyon Creek above Jordan Road on August 4, 1982. A peak discharge of 667 ft^3/s was determined by the slope-area method. Daily mean stream discharge values for 06708520 Deer Creek above Chatfield Lake was affected by backwater from a beaver dam during October 7 through December 31, 1982.

Daily mean stream-discharge values are presented for the following stations:

Station No.	Station name	Table
06708520	Deer Creek above Chatfield Lake----------	198
06708550	Massey Draw above Chatfield Lake----------	199
06709610	South Platte River below Chatfield Lake----------	200
06712450	Cherry Creek at Arapahoe Road----------	201
06712495	Piney Creek at Parker Road----------	202
06712855	Cherry Creek tributary No. 1 near Aurora----------	203
06712950	Lone Tree Creek at mouth----------	204
06712960	Cottonwood Creek above Cherry Creek Lake----------	205

A definition of the abbreviation used in the tables is:
E = estimated

Table 198.--Daily mean stream discharge values for station 06708520
Deer Creek above Chatfield Lake

[Discharge in cubic feet per second]

1982

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	-	0.27	0.12	0.13	0.13	E0.03	-	E0.25	E0.18
2	-	.22	.13	.12	.10	E .03	-	E .25	E .18
3	-	.18	.13	.12	.10	E .03	-	E .25	E .18
4	-	.16	.14	.12	.15	E .04	-	E .25	E .18
5	-	.27	.12	.12	.12	E .04	-	E .25	E .18
6	-	.27	.12	.12	.13	E .05	-	E .25	E .15
7	-	.31	.12	.12	.16	E .04	E0.25	E .25	E .15
8	-	.31	.13	.12	.13	E .04	E .25	E .25	E .15
9	-	.22	.14	.13	.14	E .04	E .25	E .25	E .15
10	-	.20	.14	.13	.13	E .04	E .25	E .25	E .15
11	-	.22	.14	.15	.13	.06	E .25	E .25	E .15
12	-	.27	.14	.13	.13	.16	E .25	E .20	E .15
13	-	.36	.15	.10	.12	.40	E .63	E .20	E .15
14	-	.27	.15	.09	.10	-	E .25	E .20	E .15
15	-	.18	.15	.09	.10	-	E .25	E .20	E .15
16	-	.16	.15	.09	.09	-	E .25	E .20	E .15
17	-	.15	.16	.09	6.7	-	E .25	E .20	E .15
18	-	.15	.22	.09	.65	-	E .25	E .20	E .15
19	-	.14	.52	.12	.16	-	E .25	E .20	E .15
20	*0.36	.13	.31	.13	6.7	-	E .25	E .20	E .15
21	.31	.13	.20	.13	.71	-	E .25	E .20	E .15
22	.22	.10	.14	.13	.15	-	E .25	E .20	E .15
23	.16	.10	.13	.12	.07	-	E .25	E .20	E .15
24	.15	.12	.14	.12	.06	-	E .25	E .20	E .15
25	.14	.10	.14	.12	E .04	-	E .25	E .20	E .15
26	.22	.14	.13	.13	E .04	-	E .25	E .20	E .15
27	.22	.14	.12	.13	E .04	-	E .25	E .20	E .15
28	.20	.13	.10	1.7	E .04	-	E .25	E .20	E .15
29	.27	.13	.13	3.7	E .03	-	E .25	E .20	E .15
30	.31	.13	.10	1.0	E .03	-	E .25	E .20	E .15
31	-	.12	-	.20	E .02	-	E .25	-	E .15

*Partial days data.

Table 199.--Daily mean stream discharge values for station 06708550
Massey Draw above Chatfield Lake

[Discharge in cubic feet per second]

1982

DATE	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	-	0.00	0.00	0.00	-	0.00	-
2	-	.00	.00	.00	-	.00	-
3	-	.00	.00	.00	-	.00	-
4	-	.00	.00	.00	-	.00	-
5	-	.00	.00	.00	-	.00	-
6	-	.00	.15	.00	-	.00	-
7	-	.00	.36	.00	0.00	.00	-
8	-	.00	.00	.00	.47	.00	-
9	-	.16	.00	.00	.12	.00	-
10	-	.10	.00	.00	.00	.00	-
11	-	.00	.04	.63	.00	.00	-
12	-	.00	1.4	1.2	.00	.00	-
13	-	.00	.18	2.4	.90	.00	-
14	-	.00	.04	.68	.00	.00	-
15	-	.00	.00	1.2	.00	.00	.00
16	-	.00	.00	.00	.00	.00	.00
17	-	.00	1.2	.00	.00	.11	.00
18	-	.00	.55	.00	.00	.08	.00
19	-	.00	.00	.00	.21	.00	.00
20	-	.00	1.0	.00	.00	.00	.00
21	-	.00	.81	.00	.00	.00	.00
22	0.00	.00	.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	.00
24	.69	.00	.00	.00	.00	-	.00
25	.00	.00	.00	.00	.00	-	.00
26	.00	.00	.00	.00	.00	-	.00
27	.00	.00	.00	.00	.00	-	.00
28	.00	.27	.00	-	.00	-	.00
29	.00	2.2	.00	-	.00	-	.00
30	.00	.47	.00	-	.00	-	.00
31	-	.00	.00	-	.00	-	.00

Table 200.--Daily mean stream discharge values for station 06709610
South Platte River below Chatfield Lake

[Discharge in cubic feet per second]

1982

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	10	10	10	250	60	81	245	600	180	303	15	10
2	10	10	10	174	60	100	94	600	180	209	15	10
3	10	10	85	82	111	100	30	600	191	110	15	182
4	10	10	130	60	236	100	30	412	200	35	15	193
5	41	10	130	60	300	100	30	300	200	35	15	10
6	60	10	86	42	300	100	124	300	203	35	15	10
7	60	10	60	30	205	100	201	300	210	35	15	10
8	60	10	60	30	150	100	230	300	210	419	15	10
9	60	10	82	23	150	50	139	256	210	416	15	10
10	60	10	55	20	141	25	139	157	109	275	43	410
11	60	10	16	20	135	25	212	208	113	275	60	436
12	60	10	10	20	71	25	390	265	150	222	70	10
13	60	10	10	20	20	87	450	211	488	138	75	10
14	37	10	10	20	20	266	338	484	711	132	75	10
15	10	10	10	25	20	350	233	680	750	190	75	10
16	10	10	10	36	20	350	210	442	593	277	75	10
17	10	10	10	40	20	194	210	300	405	330	75	10
18	10	10	10	40	20	61	244	300	302	330	66	10
19	10	44	10	58	34	157	265	325	275	218	60	10
20	10	110	10	70	45	150	324	396	275	275	60	10
21	10	110	10	70	45	150	360	487	275	350	60	10
22	10	51	10	88	45	150	360	525	275	350	43	10
23	10	10	10	100	45	96	360	525	275	231	10	18
24	10	10	10	79	45	113	353	586	275	160	10	30
25	10	10	10	70	45	150	318	625	181	316	10	30
26	10	10	10	58	45	150	275	596	125	317	10	30
27	10	10	10	50	45	150	275	530	125	175	10	30
28	10	10	10	35	45	243	299	480	125	205	10	40
29	10	-	10	46	45	300	315	480	109	103	10	55
30	10	-	10	60	45	300	136	398	194	15	10	60
31	10	-	-	-	45	-	386	243	-	15	10	60

Table 201.--Daily mean stream discharge values for station 06712450
Cherry Creek at Arapahoe Road

[Discharge in cubic feet per second]

1982

DATE	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	-	0.82	0.00	0.00	-	0.00	0.00
2	-	.15	.00	.00	-	.00	.00
3	-	.00	.00	-	-	.00	.00
4	-	.00	1.3	-	-	.00	.00
5	-	.00	.00	-	-	.00	.00
6	-	.00	.00	-	-	.00	.00
7	-	.00	.00	-	-	.00	.00
8	0.00	.00	.00	-	-	.00	.00
9	.00	.00	.00	-	-	.00	.00
10	.00	.00	.00	.00	0.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.07	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	.00
22	.00	.00	.00	.00	.00	.00	.00
23	.00	.00	.00	-	.00	.00	.00
24	.39	.00	.00	-	.00	.00	.00
25	.42	.00	.00	-	.00	.00	.00
26	.88	.00	.00	-	.00	.00	.00
27	.00	.00	.00	-	.00	.00	.00
28	.00	.00	.00	-	.00	.00	-
29	.00	.00	.00	-	.00	.00	-
30	.00	.00	.00	-	.00	.00	-
31	-	.00	.00	-	.00	-	-

Table 202.--Daily mean stream discharge values for station 06712495
Piney Creek at Parker Road

[Discharge in cubic feet per second]

DATE	AUG	SEP	1982 OCT	NOV	DEC
1	0.00	0.00	0.00	0.00	0.00
2	.00	.00	.00	.00	.00
3	.00	.00	.00	.00	.00
4	.00	.00	.00	.00	.00
5	.00	.00	.00	.00	.00
6	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00
9	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	.00
11	.00	.00	.00	.00	.00
12	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00
16	.10	.00	.00	.00	.00
17	.18	.00	.00	.00	.00
18	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	.00
20	.09	.00	.00	.00	.00
21	.09	.00	.00	.00	.00
22	.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.00
24	.00	.00	.00	.00	.00
25	.00	.00	.00	.00	.00
26	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.00
28	.00	.00	.00	.00	.00
29	.00	.00	.00	.00	.00
30	.00	.00	.00	.00	.00
31	.00	-	.00	-	.00

Table 203.--Daily mean stream discharge values for station 06712855
Cherry Creek tributary No.1 near Aurora

[Discharge in cubic feet per second]

1982

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	-	E0.05	0.15	01.0	0.48	0.48	0.70	0.30	0.84
2	-	E .05	5.1	.70	.48	.48	.70	.48	.38
3	-	E .05	7.0	.70	10	.38	.70	.30	.38
4	-	E .05	.18	.84	E8.7	.48	.58	.38	.38
5	-	1.7	.18	.84	E .38	.58	.70	.30	.30
6	-	.15	.15	.70	2.5	.84	1.2	.30	.22
7	-	.10	.18	.84	.58	.48	.70	.30	.38
8	-	.15	.30	.58	.58	.58	2.2	.48	.38
9	-	.15	.30	2.0	.48	.48	1.2	.58	.58
10	-	.22	.22	.38	.58	.38	-	.30	.38
11	-	.22	.30	.38	1.1	1.0	-	1.4	.30
12	-	8.6	.48	.58	3.5	1.0	-	.48	.30
13	-	2.8	.48	.84	1.0	7.5	-	.18	.22
14	-	4.3	.30	.84	.70	1.5	-	.22	.22
15	-	.15	.38	.84	.58	1.5	-	.18	.22
16	-	1.5	.38	.84	5.5	.70	-	.18	.30
17	-	.15	.31	.58	3.2	.70	-	.18	.22
18	-	.15	3.5	.58	.58	.58	-	.22	.22
19	-	.15	.48	.38	.70	.58	-	.22	.18
20	-	.13	.48	.48	4.2	.58	-	.30	.18
21	-	.10	.48	.48	.70	.84	-	.38	.18
22	*0.48	.10	.48	.48	.84	.58	-	.48	.18
23	.38	.10	.48	.48	1.2	.70	-	.58	.22
24	.15	1.3	1.8	.48	1.0	.84	-	.38	-
25	.22	1.9	.48	.48	1.0	.84	-	.48	-
26	.22	.18	.38	.48	.38	1.0	-	.58	-
27	.22	.10	.38	.58	.48	.84	-	.58	-
28	.10	.15	.38	16	.58	.48	-	.48	-
29	.10	.22	.38	5.5	.58	.58	.30	.48	-
30	.15	.30	.84	E .58	.48	.58	.30	.58	-
31	-	.18	-	.48	.58	-	.38	-	-

*Partial days data.

Table 204.--Daily mean stream discharge values for station 06712950
Lone Tree Creek at mouth

[Discharge in cubic feet per second]

1982

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	-	.00	.00	.00	.00	.00	.00	.00	.00
3	-	.00	.00	.00	.00	.00	.00	.00	.00
4	-	.00	.00	.00	8.2	.00	.00	.00	.00
5	-	.00	.00	.00	.00	.00	.00	.00	.00
6	-	.00	.00	.00	.00	.00	.00	.00	.00
7	-	.00	.00	.00	.00	.00	.00	.00	.00
8	-	.00	.00	.00	.00	.00	.16	.00	.00
9	-	.00	.00	.00	.00	.00	.00	.00	.00
10	-	.00	.00	.00	.00	.00	.00	.00	.00
11	-	.00	.00	.00	.00	.00	.00	.00	.00
12	-	.00	.00	.00	.00	.00	.00	.00	.00
13	-	1.8	.00	.00	.40	.28	.26	.00	.00
14	-	1.8	.00	.00	.00	E .04	.00	.00	.00
15	-	.00	.00	.00	.00	.16	.00	.00	.00
16	-	.00	.00	.00	.00	.00	.00	.00	.00
17	-	.00	.00	.00	.00	.00	.00	.00	.00
18	-	.00	.00	.00	.00	.00	.00	.00	.00
19	-	.00	E .19	.00	.00	.00	.00	.00	.00
20	-	.00	.00	.00	.00	.00	.00	.00	.00
21	-	.00	.00	.00	2.0	.00	.00	.00	.00
22	0.00	.00	.00	.00	.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	.00	.25	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.00	.00	.00	.00	.00
28	.00	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	.00	E .05	.00	.00	.00	.00	.00
30	.00	.00	.00	E .02	.00	.00	.00	.00	.00
31	-	.00	-	.00	.00	-	.00	.00	.00

Table 205.--Daily mean stream discharge values for station 06712960
Cottonwood Creek above Cherry Creek Lake

[Discharge in cubic feet per second]

DATE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
				1982					
1	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45
2	-	.00	.00	.17	.00	.00	.00	.00	.45
3	-	.00	2.1	.80	1.5	.00	.00	.00	.45
4	-	.00	.20	.66	22	.00	.00	.32	.32
5	-	.00	.00	.32	.32	.00	.00	.45	.45
6	-	.00	.00	.00	.00	.00	.10	.32	.32
7	-	.00	.00	.00	.00	.00	.05	.20	.32
8	-	.00	.00	.00	.00	.00	2.8	.32	.32
9	-	.00	.00	.00	.00	.00	2.0	.20	.32
10	-	.00	.00	.00	.00	.00	.00	.15	.45
11	-	.00	.00	.00	.00	.00	.00	.54	.66
12	-	3.1	3.9	.00	.86	1.5	.00	1.5	.66
13	-	11	.66	.00	2.9	3.5	2.8	1.1	.45
14	-	7.3	.00	.00	.10	2.5	.54	.45	.32
15	0.00	1.1	.00	.00	.00	3.1	.00	.32	.05
16	.00	.05	.00	.00	.10	.45	.00	.20	.20
17	.00	.00	.00	.00	.20	.00	.00	.20	.05
18	.00	.00	2.9	.00	.10	.00	.00	.20	.05
19	.00	.00	1.9	.00	.00	.00	.00	.10	.05
20	.00	.00	.00	.00	2.0	.00	.20	.10	.15
21	.00	.00	.00	.00	8.7	.00	.00	.05	.20
22	.00	.00	.11	.00	.66	.00	.00	.10	.32
23	.00	.00	.54	.00	.10	.00	.00	.10	.32
24	.00	.00	.00	.00	.00	.00	.00	.10	.54
25	.00	1.5	2.1	.00	.00	.00	.00	.15	.45
26	.00	4.6	4.6	.00	.00	.00	.00	.15	-
27	.00	.80	1.4	.00	.00	.00	.00	.20	-
28	.00	.00	.94	.83	.00	.00	.20	.20	-
29	.00	.00	.20	.20	.00	.00	.45	.20	-
30	.00	.00	.00	.00	.00	.00	.20	.32	-
31	-	.10	-	.00	.00	-	.00	-	-

RUNOFF DATA FOR THE MONITORING STATIONS

Runoff data are presented for the following stations:

Station No.	Station name	Table
06708520	Deer Creek above Chatfield Lake----------	206-211
06708550	Massey Draw above Chatfield Lake----------	212-218
06709500	Plum Creek near Louviers----------	219-225
06712440	Happy Canyon Creek above Jordan Road----------	226
06712450	Cherry Creek at Arapahoe Road----------	227-231
06712495	Piney Creek at Parker Road----------	232-233
06712855	Cherry Creek tributary No. 1 near Aurora----------	234-240
06712950	Lone Tree Creek at mouth----------	241-244
06712960	Cottonwood Creek above Cherry Creek Lake----------	245-258

A definition of the abbreviation used in the table is:
ft^3 = cubic foot per second

Table 206.--Runoff data, July 11, 1982, for station 06708520 Deer Creek above Chatfield Lake

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
1615	0.15	1900	0.45
1630	0.16	1915	0.40
1645	0.16	1930	0.36
1700	0.15	1945	0.22
1715	0.14	2000	0.16
1830	0.14	2015	0.15
1845	0.18		

Table 207.--Runoff data, July 27, 1982, for station 06708520 Deer Creek above Chatfield Lake

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
430	0.10	630	0.16
445	0.10	645	0.15
500	0.12	700	0.14
515	0.12	715	0.13
530	0.22	830	0.13
545	0.27	845	0.12
600	0.20	1230	0.12
615	0.18	1245	0.10

Table 208.--Runoff data, July 28-31, 1982, for station 06708520 Deer Creek above Chatfield Lake

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
1500	0.14	1200	2.1
1530	0.27	1230	2.0
1600	0.18	1300	2.0
1630	0.18	1330	1.8
1700	0.22	1400	1.8
1730	0.18	1430	1.8
1800	0.16	1500	1.8
1830	0.16	1530	1.8
1900	0.15	1600	1.7
1930	0.15	1630	1.7
2000	0.15	1700	1.8
2030	0.15	1730	1.7
2100	3.1	1800	1.7
2130	14	1830	1.7
2200	14	1900	1.7
2230	11	1930	1.7
2300	9.5	2000	1.7
2330	7.7	2030	1.7
2400	6.7	2100	1.7
30	5.4	2130	1.7
100	6.4	2200	1.7
130	7.0	2230	1.7
200	9.5	2300	1.7
230	10	2330	1.7
300	11	2400	2.0
330	11	30	2.0
400	9.1	100	2.0
430	7.7	130	2.0
500	6.7	200	2.0
530	6.7	230	2.0
600	5.4	300	2.0
630	4.4	330	2.0
700	3.7	400	2.0
730	3.1	430	2.0
800	2.8	500	2.0
830	2.4	530	1.8
900	2.2	600	1.7
930	2.1	630	1.7
1000	3.3	700	1.7
1030	2.7	730	1.6
1100	2.5	800	1.5
1130	2.4	830	1.4

Table 208.--Runoff data, July 28-31, 1982, for station 06708520 Deer Creek above Chatfield Lake--Continued

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
900	1.4	1500	0.85
930	1.4	1530	0.78
1000	1.4	1600	0.71
1030	1.4	1630	0.65
1100	1.3	1700	0.58
1130	1.3	1730	0.52
1200	1.3	1800	0.45
1230	1.3	2400	0.36
1300	1.2	400	0.31
1330	1.1	1200	0.20
1400	1.0	1600	0.14
1430	0.93		

Table 209.--Runoff data, August 6-7, 1982, for station 06708520 Deer Creek above Chatfield Lake

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
1730	0.07	400	0.12
1800	0.07	430	0.93
1830	0.07	500	0.78
1900	0.78	530	0.65
1930	1.0	600	0.52
2000	0.14	630	0.45
2030	0.13	700	0.36
2100	0.12	730	0.31
2130	0.12	800	0.22
2200	0.12	830	0.20
2230	0.12	900	0.18
2300	0.14	1200	0.14
2330	0.13	1400	0.10
2400	0.12		

Table 210.--Runoff data, August 17-18, 1982, for station 06708520 Deer Creek above Chatfield Lake

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
1830	0.16	115	2.2
1845	0.45	130	2.0
1900	4.1	145	1.8
1915	8.8	200	1.7
1930	4.1	215	1.6
1945	2.4	230	1.5
2000	1.6	245	1.4
2015	71	300	1.3
2030	100	400	1.0
2045	72	500	1.0
2100	50	600	0.93
2115	35	700	0.78
2130	27	800	0.68
2145	21	900	0.65
2200	17	1000	0.65
2215	15	1100	0.58
2230	12	1200	0.52
2245	9.8	1300	0.45
2300	8.1	1400	0.40
2315	6.5	1500	0.40
2330	5.3	1600	0.36
2345	4.5	1700	0.36
2400	3.8	1800	0.31
15	3.2	1900	0.27
30	3.0	2000	0.27
45	2.6	2100	0.22
100	2.4		

Table 211.--Runoff data, August 20-22, 1982, for station 06708520 Deer Creek above Chatfield Lake

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
1700	0.15	15	2.4
1715	0.15	30	2.2
1730	2.2	45	2.0
1745	1.7	100	1.8
1800	1.0	115	1.6
1815	0.89	130	1.5
1830	0.65	145	1.3
1845	49	200	1.2
1900	98	215	1.1
1915	82	230	1.0
1930	63	245	0.97
1945	49	300	0.89
2000	35	315	0.82
2015	26	330	0.78
2030	18	345	0.71
2045	14	400	0.68
2100	11	415	0.62
2115	10	430	0.58
2130	13	445	0.55
2145	13	500	0.55
2200	11	515	0.52
2215	8.4	530	0.48
2230	6.8	715	0.48
2245	5.7	730	0.65
2300	4.8	1300	0.45
2315	4.0	2000	0.22
2330	3.5	2400	0.18
2345	3.0	930	0.18
2400	2.7	1400	0.15

Table 212.--Runoff data, July 9-10, 1982, for station 06708550 Massey Draw above Chatfield Lake

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
1400	0.00	115	1.1
2100	0.28	130	0.98
2130	1.6	145	0.95
2145	1.7	200	0.89
2200	1.7	215	0.84
2215	1.7	230	0.78
2230	1.6	245	0.67
2245	1.6	300	0.76
2300	1.5	400	0.58
2315	1.5	500	0.46
2330	1.4	600	0.37
2345	1.4	700	0.28
2400	1.3	800	0.22
15	1.3	900	0.15
30	1.2	1000	0.10
45	1.1	1100	0.05
100	1.1	1200	0.01

Table 213.--Runoff data, July 28-30, 1982, for station 06708550 Massey Draw above Chatfield Lake

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
2045	0.00	715	2.0
2100	2.2	730	1.9
2115	3.0	745	1.9
2130	3.6	800	1.9
2145	3.6	815	2.0
2200	3.6	830	2.1
2215	3.4	845	2.2
2230	3.2	900	2.2
2245	3.1	915	2.1
2300	3.0	930	1.9
2315	2.9	945	2.0
2330	2.8	1000	3.1
2345	2.8	1015	3.7
2400	2.9	1030	3.7
15	2.8	1045	3.6
30	2.8	1100	3.4
45	2.6	1115	3.3
100	2.5	1130	3.1
115	2.4	1145	3.0
130	2.5	1200	2.8
145	3.7	1215	2.8
200	4.2	1230	2.6
215	4.2	1300	2.4
230	4.1	1330	2.2
245	3.9	1400	2.1
300	3.7	1430	2.0
315	3.6	1445	1.9
330	3.3	1500	1.8
345	3.2	1530	1.6
400	3.0	1600	1.5
415	2.8	1630	1.4
430	2.7	1700	1.3
445	2.6	1715	1.3
500	2.5	1730	1.3
515	2.5	1745	1.1
530	2.3	1800	1.1
545	2.3	1830	1.00
600	2.4	1845	0.98
615	2.4	1900	0.95
630	2.2	1930	0.91
645	2.2	1945	0.91
700	2.1	2000	0.91

Table 213.--Runoff data, July 28-30, 1982, for station 06708550 Massey Draw above Chatfield Lake--Continued

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
2030	0.84	700	0.93
2045	0.82	800	0.89
2100	0.80	900	0.84
2130	0.76	1000	0.62
2145	0.76	1100	0.55
2200	0.76	1200	0.49
2230	0.78	1300	0.40
2300	0.82	1400	0.34
2330	0.84	1500	0.26
2400	0.87	1600	0.22
100	0.89	1700	0.17
200	1.0	1800	0.14
300	1.3	1900	0.11
330	1.4	2000	0.09
400	1.3	2100	0.05
500	1.3	2200	0.03
530	1.2	2300	0.00
600	1.2		

Table 214.--Runoff data, August 6-7, 1982, for station 06708550 Massey Draw above Chatfield Lake

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
2000	0.00	600	0.71
2030	1.0	700	0.58
2100	0.71	800	0.93
2130	0.43	900	0.93
2200	1.0	1000	0.89
2215	1.6	1100	0.84
2230	2.3	1200	0.80
2300	2.2	1300	0.71
2330	1.8	1400	0.62
2400	1.4	1500	0.55
30	1.2	1600	0.43
100	1.0	1700	0.34
130	0.89	1800	0.26
200	0.80	1900	0.22
230	0.71	2000	0.15
300	0.58	2100	0.10
400	0.58	2200	0.05
500	0.62	2300	0.05

Table 215.--Runoff data, August 11-13, 1982, for station 06708550 Massey Draw above Chatfield Lake

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
2245	0.00	745	1.7
2300	1.0	800	1.6
2315	0.93	815	1.6
2330	0.84	830	1.5
2345	0.84	845	1.4
2400	0.84	900	1.4
15	0.84	915	1.3
30	0.80	930	1.2
45	0.76	945	1.2
100	0.71	1000	1.2
115	0.67	1015	1.1
130	0.62	1030	1.0
145	0.58	1045	1.0
200	1.4	1100	0.98
215	1.7	1115	0.93
230	2.2	1130	0.89
245	3.0	1145	0.89
300	3.9	1200	0.84
315	3.9	1215	0.80
330	3.8	1230	0.76
345	3.7	1245	0.76
400	3.4	1300	0.71
415	3.2	1315	0.67
430	3.1	1330	0.62
445	3.0	1345	0.58
500	2.8	1400	0.55
515	2.6	1415	0.55
530	2.5	1500	0.71
545	2.4	1600	0.62
600	2.3	1700	0.55
615	2.2	1800	0.49
630	2.2	1830	0.46
645	2.1	1845	0.46
700	2.0	1900	0.43
715	1.9	1915	0.43
730	1.8	2000	0.40

Table 215.--Runoff data, August 11-13, 1982, for station 06708550 Massey Draw above Chatfield Lake--Continued

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
2100	0.40	1230	0.46
2200	0.80	1300	0.43
2300	0.58	1400	0.34
2400	0.43	1500	0.28
100	0.34	1600	0.25
200	0.26	1700	0.20
300	0.23	1715	0.18
400	0.22	1800	0.17
500	0.84	1900	0.12
600	0.89	1915	0.11
700	0.89	1930	0.10
800	0.80	2000	0.09
900	0.76	2100	0.06
1000	0.67	2200	0.04
1100	0.58	2300	0.00
1200	0.49		

Table 216.--Runoff data, August 17-18, 1982, for station 06708550 Massey Draw above Chatfield Lake

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
1900	0.00	2400	2.7
1915	6.5	100	2.0
1930	9.1	200	1.6
1945	9.4	300	1.6
2000	7.8	315	1.6
2015	8.2	400	1.5
2030	8.7	500	1.4
2045	7.7	600	1.2
2100	6.6	700	1.0
2115	5.8	800	0.93
2130	5.3	830	0.58
2145	4.9	900	0.52
2200	4.6	1000	0.49
2215	4.5	1100	0.40
2230	4.3	1200	0.34
2245	3.9	1300	0.26
2300	3.6	1400	0.20
2315	3.4	1500	0.12
2330	3.1	1600	0.06
2345	2.9	1700	0.00

Table 217.--Runoff data, August 20-22, 1982, for station 06708550 Massey Draw above Chatfield Lake

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
1730	0.00	200	3.0
1745	0.28	215	2.8
1800	1.3	230	2.7
1815	1.7	245	2.6
1830	2.1	300	2.5
1845	1.9	315	2.4
1900	1.8	330	2.3
1915	1.4	345	2.2
1930	1.2	400	2.2
1945	1.00	415	2.2
2000	1.00	430	2.0
2015	6.6	445	1.9
2030	9.2	500	1.8
2045	9.3	515	1.7
2100	9.3	530	1.7
2115	9.1	545	1.6
2130	8.7	600	1.5
2145	5.6	615	1.5
2200	7.5	630	1.4
2215	6.8	645	1.4
2230	6.2	700	1.3
2245	5.6	715	1.3
2300	5.1	730	1.2
2315	4.7	745	1.2
2330	4.4	800	1.1
2345	4.2	900	0.98
2400	3.8	1200	0.93
15	3.6	1500	0.80
30	3.5	1800	0.58
45	3.4	2400	0.28
100	3.3	400	0.20
115	3.2	800	0.12
130	3.1	1200	0.06
145	3.1	1500	0.00

Table 218.--Runoff data, September 11-14, 1982, for station 06708550 Massey Draw above Chatfield Lake

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
1845	0.00	1900	0.49
1900	0.23	2000	0.37
1915	1.5	2100	0.23
1930	1.9	2200	0.18
1945	2.2	2300	0.14
2000	2.4	2400	0.76
2015	2.8	15	0.84
2030	3.0	30	0.93
2045	2.8	45	0.98
2100	2.7	100	0.98
2115	2.7	115	1.3
2130	2.7	130	1.3
2200	2.8	145	2.6
2230	3.4	200	2.3
2245	3.6	300	1.7
2300	3.7	400	1.5
2330	3.8	500	1.6
2400	4.1	600	2.8
30	3.9	700	3.2
100	3.8	800	2.6
200	3.2	900	2.2
300	2.7	945	1.9
400	2.3	1000	1.8
500	1.9	1100	1.5
600	1.7	1200	1.3
700	1.5	1300	1.0
800	1.4	1345	0.84
900	1.2	1445	0.87
1000	0.98	1500	0.84
1100	0.89	1515	0.82
1200	0.76	1530	0.84
1300	0.67	1545	1.00
1400	0.55	1600	1.7
1415	0.55	1615	2.5
1445	0.49	1630	3.9
1500	0.49	1645	3.0
1545	0.46	1700	2.4
1600	0.43	1715	2.7
1615	0.43	1730	3.1
1645	0.40	1745	2.8
1700	0.40	1800	2.4
1800	0.71	1815	2.2

Table 218.--Runoff data, September 11-14, 1982, for station 06708550 Massey Draw above Chatfield Lake--Continued

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
1830	2.4	245	1.3
1845	2.8	300	1.3
1900	2.7	315	1.3
1915	2.5	330	1.2
1930	2.3	345	1.2
1945	2.1	400	1.2
2000	1.8	415	1.2
2015	1.6	430	1.1
2030	1.6	445	1.1
2045	2.3	500	1.1
2100	3.3	515	1.1
2115	3.4	530	1.1
2130	3.4	545	1.0
2145	3.3	600	0.98
2200	3.1	615	0.98
2215	3.0	630	0.95
2230	2.8	645	0.93
2245	2.6	700	0.89
2300	2.5	715	0.87
2315	2.4	730	0.84
2330	2.3	745	0.82
2345	2.2	800	0.80
2400	2.2	815	0.78
15	2.1	830	0.76
30	2.0	900	0.73
45	1.9	930	0.67
100	1.8	1000	0.62
115	1.7	1030	0.55
130	1.6	1100	0.52
145	1.5	1200	0.46
200	1.5	1300	0.40
215	1.4	1400	0.34
230	1.4		

Table 219.--Runoff data, May 12-15, 1982, for station 06709500 Plum Creek near Louviers

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
1200	18	2300	101
1300	18	2400	101
1400	21	100	101
1500	27	200	98
1600	27	300	111
1700	33	400	111
1800	48	500	130
1900	67	600	141
2000	73	700	130
2030	67	800	117
2100	62	900	148
2200	83	1000	144
2300	120	1100	127
2400	124	1200	114
100	124	1300	111
200	120	1400	98
300	114	1500	73
400	98	1600	73
500	98	1700	104
600	98	1800	104
700	114	1900	93
800	114	2000	104
900	101	2100	101
1000	88	2200	88
1100	88	2300	83
1200	88	2400	83
1300	73	100	83
1400	78	200	83
1500	88	300	67
1600	67	400	67
1700	62	500	62
1800	57	600	42
1900	73	700	45
2000	98	800	62
2100	88	900	62
2200	98		

Table 220.--Runoff data, May 25-26, 1982, for station 06709500 Plum Creek near Louviers

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
500	33	2400	73
600	42	100	62
700	48	200	57
800	48	300	52
900	57	400	48
1000	52	500	62
1100	45	600	83
1200	45	700	83
1300	45	800	73
1400	45	900	83
1500	48	1000	73
1600	48	1100	62
1700	52	1200	62
1800	57	1300	62
1900	48	1400	48
2000	39	1500	42
2100	48	1600	39
2200	48	1700	33
2300	57		

Table 221.--Runoff data, June 18-19, 1982, for station 06709500 Plum Creek near Louviers

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
100	15	1730	30
200	27	1800	30
300	33	1900	30
400	33	2000	33
500	27	2100	33
600	27	2200	30
700	27	2300	27
800	27	2400	24
900	27	100	21
1000	39	200	18
1100	39	300	18
1200	36	400	18
1300	30	500	18
1400	27	600	18
1500	27	700	15
1600	27	800	15
1700	27		

Table 222.--Runoff data, June 24-25, 1982, for station 06709500 Plum Creek near Louviers

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
1500	5.2	600	13
1600	5.6	700	13
1700	9.2	800	13
1800	9.2	900	14
1900	5.6	1000	13
2000	6.8	1100	12
2100	12	1200	12
2200	14	1300	9.2
2300	14	1400	8.0
2400	13	1500	8.0
100	13	1600	8.0
200	14	1700	8.0
300	14	1800	8.0
400	12	1900	6.8
500	12		

Table 223.--Runoff data, July 25-27, 1982, for station 06709500 Plum Creek near Louviers

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
2000	6.8	1600	16
2100	8.0	1700	16
2200	9.2	1800	16
2300	12	1900	14
2400	13	2000	14
100	21	2100	14
200	24	2200	14
300	24	2300	14
400	24	2400	14
500	24	100	14
600	24	200	14
700	24	300	13
800	15	400	13
900	15	500	12
1000	15	600	12
1100	15	700	12
1200	15	800	12
1300	15	900	12
1400	15	1000	12
1500	16	1100	12

Table 224.--Runoff data, July 28-30, 1982, for station 06709500 Plum Creek near Louviers

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
2100	0.56	1800	73
2200	268	1900	58
2300	252	2000	53
2400	419	2100	53
100	321	2200	53
200	305	2300	53
300	247	2400	53
400	252	100	36
500	257	200	36
600	252	300	36
700	152	400	36
800	166	500	33
900	179	600	30
1000	179	700	30
1100	174	800	24
1200	162	900	15
1300	137	1000	14
1400	114	1100	15
1500	93	1200	15
1600	93	1300	16
1700	83		

Table 225.--Runoff data, August 20-21, 1982, for station 06709500 Plum Creek near Louviers

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
1800	14	100	137
1900	30	200	187
2000	104	300	159
2100	162	400	104
2200	137	500	42
2300	98	600	27
2400	98	700	12

Table 226.--Runoff data, August 3-4, 1982, for station 06712440 Happy Canyon Creek above Jordan Road

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
2330	0.00	200	197
2400	401	230	54
30	631	300	24
100	673	330	9.0
130	401	400	0.00

Table 227.--Runoff data, May 13-14, 1982, for station 06712450 Cherry Creek at Arapahoe Road

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
300	0.00	300	0.00
400	0.14	400	0.36
500	0.22	500	0.72
600	0.29	600	1.1
700	0.36	700	1.4
800	0.43	800	1.8
900	0.50	900	2.2
1000	0.57	1000	2.1
1100	0.50	1100	2.0
1200	0.43	1200	2.1
1300	0.36	1300	2.0
1400	0.29	1400	1.9
1500	0.22	1500	1.9
1600	0.14	1600	1.7
1700	0.07	1700	1.7
1800	0.00	1800	1.7
1900	0.00	1900	1.5
2000	0.00	2000	1.2
2300	0.00	2100	0.86
2400	0.00	2200	0.50
100	0.00	2300	0.14
200	0.00	2330	0.00

Table 228.--Runoff data, June 24-25, 1982, for station 06712450 Cherry Creek at Arapahoe Road

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
1945	0.00	15	3.2
2130	1.7	30	3.1
2145	3.7	45	3.0
2200	4.0	100	2.8
2215	4.0	115	2.7
2230	3.9	130	2.4
2245	3.8	145	2.1
2300	3.7	200	2.0
2315	3.6	215	1.6
2330	3.5	230	0.92
2345	3.4	245	0.40
2400	3.4		

Table 229.--Runoff data, June 25-26, 1982, for station 06712450 Cherry Creek at Arapahoe Road

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
2045	1.0	315	3.8
2100	2.2	330	3.8
2115	2.5	345	3.8
2130	2.4	400	3.8
2145	2.3	415	3.8
2200	2.1	430	3.7
2215	2.0	445	3.6
2230	1.9	500	3.5
2245	1.7	515	3.4
2300	1.4	530	3.2
2315	1.2	545	3.0
2330	0.84	600	2.8
2345	0.56	615	2.7
2400	0.28	630	2.4
15	0.00	645	2.2
100	0.00	700	2.0
115	3.3	715	1.7
130	3.8	730	1.3
145	3.9	745	1.0
200	3.9	800	0.70
215	3.8	815	0.46
230	3.8	830	0.18
245	3.8	845	0.04
300	3.7		

Table 230.--Runoff data, July 1-2, 1982, for station 06712450 Cherry Creek at Arapahoe Road

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
1515	0.00	2245	3.5
1900	1.5	2300	3.4
1915	3.0	2315	3.2
1930	4.1	2330	3.0
1945	4.6	2345	2.8
2000	4.9	2400	2.6
2015	5.0	15	2.3
2030	4.9	30	2.0
2045	4.8	45	1.8
2100	4.6	100	1.6
2115	4.5	115	1.3
2130	4.3	130	1.1
2145	4.1	145	0.78
2200	3.9	200	0.50
2215	3.8	215	0.25
2230	3.6		

Table 231.--Runoff data, August 3-4, 1982, for station 06712450 Cherry Creek at Arapahoe Road

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
2045	0.00	245	5.2
2100	1.2	300	5.0
2115	0.29	315	4.8
2130	0.07	330	4.7
2145	0.07	345	4.6
2200	0.07	400	4.4
2215	0.07	415	4.3
2230	0.11	430	4.2
2245	0.11	445	4.1
2300	0.11	500	3.8
2315	0.11	515	3.4
2330	0.07	530	3.3
2345	0.07	545	2.9
2400	0.07	600	2.5
15	34	615	2.2
30	32	630	1.8
45	19	645	1.4
100	16	700	1.1
115	12	715	0.86
130	8.5	730	0.57
145	6.3	745	0.43
200	6.0	800	0.22
215	5.6	815	0.07
230	5.4		

Table 232.--Runoff data, August 16-18, 1982, for station 06712495 Piney Creek at Parker Road

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
1845	0.00	1045	0.29
1900	0.28	1100	0.25
1915	0.26	1200	0.24
1930	0.24	1300	0.22
2000	0.19	1400	0.21
2200	0.00	1430	0.20
2230	0.00	1445	0.15
2245	0.00	1500	0.12
2300	0.35	1515	0.05
2315	0.37	1530	0.00
2345	0.37	1645	0.00
2400	0.35	1800	0.00
100	0.29	1830	0.29
200	0.22	1900	0.29
300	0.19	2000	0.24
400	0.15	2100	0.21
500	0.05	2200	0.21
515	0.00	2300	0.15
945	0.00	2400	0.05
1000	0.29	100	0.00

Table 233.--Runoff data, August 20-21, 1982, for station 06712495 Piney Creek at Parker Road

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
2000	0.00	2130	0.24
2015	0.26	2200	0.22
2030	0.26	2300	0.19
2045	0.26	2400	0.17
2100	0.25	100	0.09
2115	0.25	200	0.00

Table 234.--Runoff data, May 12-14, 1982, for station 06712855 Cherry Creek tributary No. 1 near Aurora

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
100	0.22	2200	2.0
130	0.22	2230	1.7
200	0.22	2300	1.5
230	1.4	2330	1.4
300	20	2400	1.7
330	6.3	30	2.4
400	2.0	100	3.3
430	1.7	130	2.6
500	1.4	200	2.0
530	1.2	230	1.5
600	1.0	300	1.4
630	0.84	330	2.2
700	0.84	400	3.7
730	0.84	430	1.7
800	0.84	500	1.2
830	0.84	530	0.84
900	0.84	600	0.70
930	0.84	630	1.7
1000	0.84	700	4.1
1030	0.84	730	2.6
1100	0.84	800	2.9
1130	0.84	830	6.3
1200	0.84	900	5.6
1230	0.84	930	2.6
1300	0.84	1000	1.7
1330	0.84	1030	1.2
1400	26	1100	1.0
1430	18	1130	0.84
1500	8.9	1200	0.38
1530	12	1230	0.38
1600	22	1300	0.30
1630	18	1330	0.30
1700	16	1400	0.30
1730	22	1430	0.30
1800	26	1500	0.30
1830	38	1530	0.30
1900	27	1600	0.30
1930	45	1630	0.30
2000	37	1700	0.22
2030	12	1730	0.18
2100	3.3	1800	0.22
2130	2.2	1830	27

Table 234.--Runoff data, May 12-14, 1982, for station 06712855 Cherry Creek tributary No. 1 near Aurora--Continued

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
1900	6.3	800	7.3
1930	2.2	830	4.8
2000	12	900	2.6
2030	2.0	930	2.2
2100	0.84	1000	1.9
2130	0.70	1030	3.7
2200	0.58	1100	3.3
2230	0.38	1130	2.4
2300	0.48	1200	4.4
2330	0.58	1230	7.3
2400	0.70	1300	3.3
30	0.84	1330	4.4
100	2.6	1400	6.3
130	2.9	1430	2.0
200	3.3	1500	1.7
230	2.4	1530	1.4
300	1.7	1600	1.2
330	1.4	1630	1.0
400	1.9	1700	0.84
430	2.6	1730	0.70
500	8.4	1800	0.58
530	13	1830	0.48
600	15	1900	0.38
630	13	1930	0.30
700	13	2000	0.22
730	8.4		

Table 235.--Runoff data, June 24, 1982, for station 06712855 Cherry Creek tributary No. 1 near Aurora

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
1655	0.30	1815	1.7
1700	0.30	1820	1.5
1705	0.84	1825	1.4
1710	7.9	1830	1.2
1715	23	1835	1.2
1720	26	1840	1.0
1725	29	1845	1.0
1730	32	1850	0.84
1735	18	1855	0.84
1740	6.8	1900	0.84
1745	4.8	1905	0.84
1750	2.9	1910	0.70
1755	2.4	1915	0.70
1800	2.2	1920	0.58
1805	2.0	1925	0.58
1810	1.9		

Table 236.--Runoff data, July 28-29, 1982, for station 06712855 Cherry Creek tributary No. 1 near Aurora

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
1245	1.2	1900	2.2
1300	1.2	1915	2.2
1315	1.2	1930	2.0
1330	69	1945	1.9
1345	189	2000	1.7
1400	91	2015	1.5
1415	12	2030	1.5
1430	7.3	2045	1.5
1445	6.8	2100	1.5
1500	91	2115	1.5
1515	219	2130	1.5
1530	235	2145	1.5
1545	113	2200	2.4
1600	65	2215	3.7
1615	29	2230	3.3
1630	6.3	2245	2.6
1645	15	2300	2.4
1700	14	2315	2.2
1715	17	2330	2.0
1730	12	2345	1.9
1745	6.8	2400	1.7
1800	5.2	15	1.5
1815	3.7	30	1.4
1830	2.9	45	1.2
1845	2.4		

Table 237.--Runoff data, August 3-4, 1982, for station 06712855 Cherry Creek tributary No. 1 near Aurora

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
2030	0.38	2400	4.4
2045	0.48	15	24
2100	138	30	15
2115	178	45	17
2130	291	100	13
2145	118	115	57
2200	33	130	29
2215	18	145	43
2230	8.9	200	26
2245	6.8	215	55
2300	5.6	230	26
2315	5.6	245	15
2330	5.2	300	7.9
2345	4.8		

Table 238.--Runoff data, August 16, 1982, for station 06712855 Cherry Creek tributary No. 1 near Aurora

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
1900	0.84	2115	3.3
1915	91	2130	2.6
1930	176	2145	2.2
1945	57	2200	1.4
2000	12	2215	1.2
2015	6.8	2230	1.2
2030	5.6	2245	1.0
2045	4.8	2300	0.84
2100	4.1		

Table 239.--Runoff data, August 17, 1982, for station 06712855 Cherry Creek tributary No. 1 near Aurora

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
1415	0.48	1545	6.3
1430	18	1600	3.3
1445	113	1615	5.9
1500	49	1630	2.0
1515	18	1645	1.7
1530	9.9	1700	1.4

Table 240.--Runoff data, August 20, 1982, for station 06712855 Cherry Creek tributary No. 1 near Aurora

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
1930	0.58	2130	7.3
1945	1.5	2145	4.4
2000	35	2200	2.6
2015	100	2215	2.2
2030	22	2230	1.7
2045	5.9	2245	1.4
2100	8.4	2300	1.2
2115	12	2315	0.84

Table 241.--Runoff data, May 12-15, 1982, for station 06712950 Lone Tree Creek at mouth

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
2330	0.00	2030	0.49
2400	0.01	2100	0.42
30	3.2	2130	0.42
100	3.9	2200	0.42
130	3.6	2230	0.36
200	3.2	2300	0.30
230	2.9	2330	0.24
300	2.5	2400	0.19
330	2.0	30	0.30
400	1.7	100	0.49
430	1.6	130	0.64
500	1.6	200	0.80
530	1.6	230	0.80
600	1.6	300	0.80
630	1.5	330	0.80
700	1.4	400	0.80
730	1.4	430	0.80
800	1.4	500	0.72
830	1.4	530	0.72
900	1.3	600	0.80
930	1.2	630	1.1
1000	1.1	700	1.3
1030	0.98	730	1.6
1100	1.9	800	1.8
1130	6.1	830	2.4
1200	5.5	900	3.1
1230	4.9	930	4.5
1300	4.5	1000	5.4
1330	4.1	1030	5.4
1400	3.6	1100	4.9
1430	2.8	1130	4.4
1500	1.8	1200	3.8
1530	1.5	1230	3.3
1600	1.3	1300	3.1
1630	1.2	1330	2.8
1700	1.1	1400	2.5
1730	0.89	1430	2.3
1800	0.80	1500	2.3
1830	0.72	1530	2.3
1900	0.72	1600	2.3
1930	0.64	1630	2.2
2000	0.57	1700	2.0

Table 241.--Runoff data, May 12-15, 1982, for station 06712950 Lone Tree Creek at mouth--Continued

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
1730	1.9	2300	0.57
1800	1.8	2330	0.57
1830	1.6	2400	0.49
1900	1.4	30	0.42
1930	1.3	100	0.36
2000	1.1	130	0.30
2030	0.98	200	0.30
2100	0.89	230	0.24
2130	0.80	300	0.14
2200	0.72	330	0.03
2230	0.64		

Table 242.--Runoff data, May 26, 1982, for station 06712950 Lone Tree Creek at mouth

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
530	0.00	1000	0.64
600	1.3	1030	0.56
630	1.7	1100	0.42
700	1.6	1130	0.36
730	1.4	1200	1.1
800	1.2	1230	0.30
830	0.98	1300	0.14
900	0.80	1330	0.00
930	0.72		

Table 243.--Runoff data, August 3-4, 1982, for station 06712950 Lone Tree Creek at mouth

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
2400	0.00	500	15
15	68	600	19
30	62	700	11
45	60	800	5.3
100	56	900	2.5
115	52	1000	1.2
130	48	1100	0.55
145	41	1200	0.29
200	32	1300	0.10
300	15	1400	0.01
400	7.9	1500	0.00

Table 244.--Runoff data, August 21, 1982, for station 06712950 Lone Tree Creek at mouth

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
230	0.00	800	0.79
300	24	900	0.41
400	14	1000	0.24
500	6.2	1100	0.10
600	3.0	1200	0.00
700	1.3		

Table 245.--Runoff data, May 12-15, 1982, for station 06712960 Cottonwood Creek above Cherry Creek Lake

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
1700	0.00	1400	12
1730	0.08	1430	12
1800	1.2	1500	11
1830	1.4	1530	11
1900	1.4	1600	11
1930	2.7	1630	10
2000	4.2	1700	10
2030	5.3	1730	9.7
2100	13	1800	9.4
2130	10	1830	9.0
2200	11	1900	8.7
2230	11	1930	8.4
2300	11	2000	7.8
2330	11	2030	7.8
2400	11	2100	7.6
30	11	2130	7.6
100	12	2200	7.3
130	13	2230	7.3
200	13	2300	7.0
230	13	2330	6.8
300	13	2400	6.5
330	12	30	6.3
400	12	100	6.3
430	12	130	6.3
500	12	200	6.0
530	12	230	6.0
600	11	300	5.8
630	11	330	5.6
700	11	400	5.3
730	12	430	5.3
800	12	500	5.3
830	12	530	5.3
900	12	600	5.3
930	16	630	5.3
1000	17	700	5.1
1030	17	730	5.1
1100	16	800	5.3
1130	16	830	5.6
1200	16	900	6.3
1230	15	930	6.8
1300	15	1000	7.3
1330	13	1030	7.8

Table 245.--Runoff data, May 12-15, 1982, for station 06712960 Cottonwood Creek above Cherry Creek Lake--Continued

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
1100	9.0	100	5.3
1130	9.7	130	5.1
1200	10	200	4.8
1230	11	230	4.4
1300	11	300	3.9
1330	10	330	3.7
1400	10	400	3.3
1430	10	430	3.1
1500	9.7	500	2.9
1530	9.4	530	2.7
1600	9.4	600	2.3
1630	9.4	630	2.1
1700	9.0	700	2.1
1730	9.0	730	1.9
1800	8.7	800	1.7
1830	8.4	830	1.5
1900	8.4	900	1.2
1930	8.1	930	1.1
2000	7.8	1000	0.94
2030	7.6	1030	0.94
2100	7.3	1100	0.80
2130	7.0	1130	0.80
2200	6.8	1200	0.66
2230	6.5	1230	0.66
2300	6.5	1300	0.54
2330	6.3	1400	0.45
2400	6.0	1500	0.33
30	5.8	1600	0.20

Table 246.--Runoff data, May 24-27, 1982, for station 06712960 Cottonwood Creek above Cherry Creek Lake

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
2400	0.00	600	3.3
100	1.1	700	5.6
200	1.4	800	6.8
300	1.5	900	5.8
400	1.5	1000	6.3
500	1.5	1100	6.5
600	1.5	1200	7.0
700	1.5	1300	7.0
800	1.4	1400	6.5
900	1.1	1500	6.0
1000	0.94	1600	5.6
1100	0.94	1700	4.8
1200	1.1	1800	4.4
1300	1.1	1900	3.5
1400	0.94	2000	2.7
1500	0.80	2100	2.1
1600	0.66	2200	1.7
1700	0.54	2300	1.4
1800	0.66	2400	1.1
1900	0.66	100	0.80
2000	0.66	200	0.66
2100	0.66	300	0.54
2200	0.45	400	0.45
2300	0.45	500	0.33
2400	1.4	600	0.20
100	1.4	700	0.16
200	1.4	800	0.12
300	4.8	900	0.08
400	4.4	1000	0.04
500	2.9	1100	0.00

Table 247.--Runoff data, June 2-4, 1982, for station 06712960 Cottonwood Creek above Cherry Creek Lake

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
2240	0.00	350	1.5
2350	0.20	355	2.0
2355	1.3	400	2.4
2400	2.0	405	2.6
5	2.7	410	2.8
10	2.9	415	2.9
15	3.0	420	3.0
20	3.0	435	3.0
25	3.2	440	2.9
30	3.7	445	2.9
35	4.3	450	2.8
40	4.2	455	2.7
45	3.8	500	2.6
50	3.5	510	2.5
55	3.3	520	2.3
100	3.0	525	2.1
105	2.9	530	2.0
110	2.7	535	2.0
115	2.5	540	1.9
120	2.3	545	1.7
125	2.0	550	1.6
130	1.8	555	1.6
135	1.5	600	1.5
140	1.4	605	1.4
145	1.2	610	1.4
150	1.2	615	1.4
155	1.0	620	1.4
200	0.87	625	1.3
205	0.73	630	1.2
210	0.66	635	1.2
215	0.54	640	1.2
220	0.50	645	1.1
225	0.45	650	1.1
230	0.39	655	1.0
235	0.33	700	1.0
240	0.26	710	0.94
300	0.20	715	0.94
305	0.20	725	0.87
320	0.12	735	0.94
335	0.12	740	1.0
340	0.39	745	1.0
345	0.94	750	1.2

Table 247.--Runoff data, June 2-4, 1982, for station 06712960 Cottonwood Creek above Cherry Creek Lake--Continued

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
755	1.3	1255	3.7
800	1.4	1300	3.8
810	1.7	1350	3.8
815	1.9	1355	3.8
825	2.1	1400	3.7
830	2.3	1420	3.7
835	2.3	1425	3.6
840	2.5	1430	3.6
850	2.6	1435	3.5
855	2.6	1440	3.5
905	2.7	1445	3.4
910	2.8	1450	3.4
915	2.9	1455	3.4
925	2.9	1500	3.3
930	2.9	1505	3.2
935	3.0	1510	3.2
940	3.0	1515	3.1
945	3.0	1520	3.1
950	3.0	1525	3.0
955	3.0	1530	2.9
1000	3.1	1540	2.9
1005	3.1	1545	2.8
1010	3.1	1550	1.3
1015	3.1	1555	2.7
1020	3.1	1600	2.7
1025	3.1	1610	2.6
1045	3.1	1620	2.5
1050	3.3	1630	2.4
1100	3.3	1640	1.5
1105	3.4	1650	2.2
1110	3.3	1700	2.2
1140	3.3	1710	2.1
1145	3.4	1720	2.0
1150	3.3	1735	2.0
1200	3.3	1740	1.9
1205	3.4	1750	1.9
1215	3.4	1755	1.8
1220	3.5	1805	1.7
1230	3.5	1815	1.6
1235	3.6	1830	1.6
1245	3.6	1835	1.5
1250	3.7	1845	1.5

Table 247.--Runoff data, June 2-4, 1982, for station 06712960 Cottonwood Creek above Cherry Creek Lake--Continued

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
1850	1.4	125	1.0
1905	1.4	130	0.80
1910	1.4	135	0.80
1950	1.4	140	0.87
2045	1.4	150	0.87
2050	1.4	250	0.87
2125	1.4	335	0.87
2130	1.4	340	0.80
2150	1.4	350	0.80
2155	1.4	355	0.87
2200	1.3	435	0.87
2215	1.3	440	0.80
2220	1.2	450	0.80
2235	1.2	520	0.80
2240	1.2	525	0.73
2250	1.2	550	0.73
2255	1.2	635	0.73
2300	1.1	640	0.66
2310	1.2	650	0.66
2315	1.1	730	0.66
2335	1.1	735	0.60
2340	1.0	750	0.60
2350	1.0	755	0.54
2400	0.94	805	0.50
10	1.0	820	0.45
20	1.0	850	0.45
25	0.94	805	0.50
50	0.94	820	0.45
55	1.0	850	0.45

Table 248.--Runoff data, June 12-13, 1982, for station 06712960 Cottonwood Creek above Cherry Creek Lake

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
300	0.00	2200	4.6
400	3.9	2300	4.2
500	6.3	2400	3.7
600	6.8	100	3.5
700	6.8	200	3.1
800	7.0	300	2.7
900	7.0	400	2.3
1000	7.0	500	1.9
1100	7.6	600	1.5
1200	7.6	700	1.2
1300	7.3	800	0.80
1400	7.3	900	0.68
1500	6.8	1000	0.44
1600	6.5	1100	0.44
1700	6.8	1200	0.32
1800	6.0	1300	0.20
1900	6.0	1400	0.12
2000	5.8	1500	0.12
2100	5.1		

Table 249.--Runoff data, June 18-19, 1982, for station 06712960 Cottonwood Creek above Cherry Creek Lake

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
330	0.00	2330	5.6
400	0.16	2400	5.8
430	0.54	30	5.6
500	0.80	100	5.3
530	0.80	130	5.1
600	1.0	200	5.1
630	1.6	230	4.8
700	2.2	300	4.6
730	2.5	330	4.6
800	2.4	400	4.6
830	2.2	430	4.6
900	2.0	500	4.4
930	1.8	530	4.4
1000	1.8	600	4.4
1030	1.9	630	4.2
1100	2.2	700	3.9
1130	2.8	730	3.7
1200	3.4	800	3.5
1230	3.8	830	3.3
1300	4.1	900	3.1
1330	4.3	930	2.9
1400	4.3	1000	2.7
1430	4.3	1030	2.5
1500	4.2	1100	2.3
1530	4.2	1130	1.9
1600	4.4	1200	1.7
1630	4.6	1230	1.4
1700	5.1	1300	1.2
1730	5.3	1330	1.1
1800	5.6	1400	0.94
1830	5.6	1430	0.80
1900	5.3	1500	0.66
1930	5.3	1530	0.54
2000	5.6	1600	0.54
2030	5.6	1630	0.45
2100	5.8	1700	0.45
2130	6.0	1730	0.33
2200	6.0	1800	0.33
2230	5.8	1830	0.20
2300	5.6		

Table 250.--Runoff data, June 25-27, 1982, for station 06712960 Cottonwood Creek above Cherry Creek Lake

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
545	0.00	1215	7.4
645	0.50	1315	7.4
745	1.9	1415	7.4
845	3.0	1515	7.4
945	3.8	1615	7.3
1045	4.1	1715	7.1
1145	5.0	1815	7.1
1245	5.0	1915	7.0
1345	4.6	2015	6.8
1445	4.1	2115	6.4
1545	3.8	2215	6.2
1645	3.6	2315	5.8
1745	3.1	2400	5.8
1845	2.7	15	5.8
1945	2.2	115	5.3
2045	1.7	215	4.7
2145	1.4	315	4.6
2400	1.7	415	3.8
330	1.8	515	3.2
430	4.1	615	2.6
530	5.4	715	2.0
630	6.2	815	1.6
730	6.9	915	1.4
830	7.1	1015	1.2
930	7.3	1115	0.87
1030	7.3	1515	0.20
1115	7.7		

Table 251.--Runoff data, June 28-29, 1982, for station 06712960 Cottonwood Creek above Cherry Creek Lake

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
845	2.4	1745	2.0
945	3.7	1845	2.3
1045	3.9	1900	2.4
1145	3.7	2000	2.5
1245	3.5	2100	1.8
1345	3.1	2200	0.80
1445	3.0	2300	0.54
1545	2.9	2400	0.54
1645	2.3	600	0.45

Table 252.--Runoff data, July 28-29, 1982, for station 06712960 Cottonwood Creek above Cherry Creek Lake

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
1245	0.10	1900	2.5
1300	0.10	1915	2.7
1315	0.10	1930	2.6
1330	0.10	1945	2.6
1400	0.10	2000	2.6
1430	0.10	2015	2.4
1445	0.10	2030	2.4
1500	0.10	2045	2.4
1515	4.6	2100	2.3
1530	5.8	2115	2.2
1545	5.7	2130	2.0
1600	3.9	2145	1.8
1615	2.5	2200	1.6
1630	1.6	2215	1.4
1645	1.6	2230	1.3
1700	2.3	2245	1.2
1715	1.7	2300	1.0
1730	1.3	2315	0.87
1745	0.87	2330	0.62
1800	1.2	2345	0.50
1815	1.6	2400	0.38
1830	2.0	15	0.26
1845	2.3	30	0.18

Table 253.--Runoff data, August 3-5, 1982, for station 06712960 Cottonwood Creek above Cherry Creek Lake

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
2000	0.08	1530	8.1
2030	0.08	1600	8.1
2100	1.9	1630	8.1
2130	0.44	1700	7.8
2200	0.20	1730	7.6
2230	0.16	1800	7.6
2300	59	1830	7.3
2330	70	1900	7.0
2400	62	1930	6.8
30	59	2000	6.3
100	68	2030	5.8
130	66	2100	5.1
200	64	2130	4.4
230	59	2200	3.9
300	56	2230	3.5
330	57	2300	3.1
400	57	2330	2.7
430	53	2400	2.5
500	45	30	2.3
530	36	100	2.1
600	30	130	1.9
630	24	200	1.7
700	20	230	1.5
730	18	300	1.4
800	17	330	1.2
830	15	400	1.1
900	14	430	1.1
930	13	500	1.1
1000	12	530	0.94
1030	11	600	0.94
1100	10	630	0.80
1130	10	700	0.80
1200	9.7	730	0.68
1230	9.0	800	0.56
1300	8.7	830	0.44
1330	8.4	900	0.44
1400	8.4	930	0.32
1430	8.4	1000	0.20
1500	8.4		

Table 254.--Runoff data, August 12-14, 1982, for station 06712960 Cottonwood Creek above Cherry Creek Lake

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
1430	0.00	730	4.6
1500	0.20	800	3.9
1530	0.44	830	3.5
1600	0.44	900	3.1
1630	0.44	930	2.9
1700	0.44	1000	2.5
1730	0.56	1030	2.3
1800	0.56	1100	2.1
1830	0.56	1130	1.9
1900	0.80	1200	1.7
1930	1.2	1230	1.5
2000	1.4	1300	1.5
2030	1.9	1330	1.4
2100	3.1	1400	1.2
2130	3.5	1500	1.1
2200	4.6	1600	1.1
2230	5.8	1700	0.94
2300	6.5	1730	0.94
2330	6.8	1800	0.80
2400	7.3	1900	0.80
30	7.8	2000	0.80
100	9.0	2100	0.68
130	9.4	2200	0.56
200	9.0	2300	0.56
230	9.0	2400	0.56
300	8.4	100	0.56
330	8.1	200	0.56
400	7.8	300	0.56
430	7.8	400	0.44
500	7.6	500	0.44
530	7.3	600	0.44
600	6.5	700	0.32
630	5.8	800	0.32
700	5.3	900	0.20

Table 255.--Runoff data, August 20-22, 1982, for station 06712960 Cottonwood Creek above Cherry Creek Lake

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
2015	0.04	845	8.6
2030	5.4	945	8.1
2045	4.2	1045	7.8
2100	3.9	1100	7.8
2115	3.2	1145	7.6
2130	2.4	1245	6.9
2145	1.8	1345	5.8
2200	1.4	1445	4.3
2215	1.1	1545	3.3
2230	11	1645	2.7
2245	23	1745	2.1
2300	26	1845	1.8
2315	27	1945	1.5
2330	28	2045	1.4
2345	38	2145	1.2
2400	47	2245	1.2
15	49	2345	1.1
30	47	2400	1.1
45	43	45	0.94
100	38	145	0.94
115	34	245	0.87
130	30	345	0.87
145	27	445	0.80
200	24	545	0.80
215	22	645	0.74
230	20	745	0.68
245	18	800	0.68
345	14	845	0.68
445	11	945	0.68
545	10	1600	0.56
645	9.5	1900	0.44
745	8.9	2300	0.32
800	8.7	2345	0.20

Table 256.--Runoff data, September 12-16, 1982, for station 06712960 Cottonwood Creek above Cherry Creek Lake

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
300	0.08	100	7.8
400	0.08	200	7.0
500	4.2	300	5.8
600	4.2	400	4.6
700	4.2	500	3.7
800	3.7	600	3.1
900	3.3	700	2.7
1000	2.9	800	2.3
1100	2.5	900	2.1
1200	2.3	1000	1.5
1300	2.1	1100	1.4
1400	1.7	1200	1.2
1500	1.5	1300	1.1
1600	1.4	1400	1.1
1700	1.2	1500	0.94
1800	1.2	1600	0.80
2200	1.5	1700	0.80
2300	1.4	1800	0.68
2400	1.2	1900	0.68
100	1.4	2000	0.56
200	1.5	2100	0.56
300	1.5	2200	0.68
500	1.5	2300	0.68
600	1.9	2400	0.80
700	2.1	100	0.94
800	1.9	200	2.1
900	2.3	300	1.9
1000	2.5	400	2.5
1100	2.3	500	3.1
1200	2.1	600	3.7
1300	2.1	700	4.8
1400	2.9	800	5.6
1500	2.3	900	5.3
1600	3.5	1000	5.8
1700	4.6	1100	6.0
1800	5.3	1200	6.3
1900	6.3	1300	6.3
2000	7.0	1400	5.8
2100	7.6	1500	5.3
2200	9.0	1600	4.4
2300	8.7	1700	3.7
2400	8.4	1800	3.1

Table 256.--Runoff data, September 12-16, 1982, for station 06712960 Cottonwood Creek above Cherry Creek Lake--Continued

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
1900	2.7	300	0.80
2000	2.3	500	0.80
2100	1.9	600	0.68
2200	1.7	800	0.68
2300	1.5	900	0.44
2400	1.2	1000	0.32
100	1.1	1200	0.32
200	0.94	1300	0.20

Table 257.--Runoff data, October 8-9, 1982, for station 06712960 Cottonwood Creek above Cherry Creek Lake

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
1200	0.00	2400	7.8
1300	0.45	100	7.0
1400	1.5	200	5.6
1500	3.3	300	4.2
1600	5.3	400	3.1
1700	7.0	500	2.7
1800	8.4	600	2.1
1900	9.4	700	1.9
2000	9.4	800	1.5
2100	9.0	900	1.2
2200	9.0	1000	1.1
2300	8.1	1100	0.80

Table 258.--Runoff data, October 13-14, 1982, for station 06712960 Cottonwood Creek above Cherry Creek Lake

Time	Discharge, in ft3/s	Time	Discharge, in ft3/s
700	0.00	2200	5.6
800	0.08	2300	4.8
900	0.20	2400	4.2
1000	1.4	100	3.5
1100	2.5	200	2.9
1200	3.1	300	2.5
1300	3.7	400	1.9
1400	4.2	500	1.5
1500	3.9	600	1.2
1600	4.6	700	1.1
1700	5.3	800	0.94
1800	6.0	900	0.80
1900	6.5	1000	0.66
2000	6.3	1300	0.45
2100	5.8		

WATER-QUALITY DATA FOR THE MONITORING STATIONS

Water-quality data are presented for the following stations:

Station no.	Station name	Table
06708000	South Platte River at Waterton	259
06708520	Deer Creek above Chatfield Lake	260
06708550	Massey Draw above Chatfield Lake	261
06709500	Plum Creek near Louviers	262
06709610	South Platte River below Chatfield Lake	263
06712450	Cherry Creek at Arapahoe Road	264
06712495	Piney Creek at Parker Road	265
06712850	Cherry Creek above Cherry Creek Lake	266
06712855	Cherry Creek tributary No. 1 near Aurora	267
06712950	Lone Tree Creek at mouth	268
06712960	Cottonwood Creek above Cherry Creek Lake	269

Definitions of abbreviations used in the tables are:

0.7 OM-MF = 0.7-micrometer membrane filter
BIOCHEM = biochemical
CFS - cubic foot per second
CARBON = carbonaceous
COLS./100ML = colonies per 100 milliliters
DEG. C = degree Celsius
E = estimated
MG/L = milligram per liter
UG/L = microgram per liter
UMHOS = micromhos per centimeter at 25° Celsius

Storm-runoff water-quality data were collected for the following stations:

06708520 Deer Creek above Chatfield Lake

July 11, 1982 at ----
July 27, 1982 at 0431
July 28, 1982 at 1016
July 28-31, 1982 at 1501
August 6-7, 1982 at 1731
August 17, 1982 at 2000
August 17, 1982 at 2030
August 17, 1982 at 2100
August 17, 1982 at 2400

06708550 Massey Draw above Chatfield Lake

All Dates

06709500 Plum Creek near Louviers

May 11-15, 1982 at ----
May 26, 1982 at 1000
June 18-19, 1982 at ----
June 25, 1982 at 1030
June 25-27, 1982 at ----
July 28-30, 1982 at 1101

06712450 Cherry Creek at Arapahoe Road

All dates with the exception of August 3-4, 1982 at ----

06712495 Piney Creek at Parker Road

All Dates

06712855 Cherry Creek tributary No. 1 near Aurora

May 12-14, 1982 at ----
June 24, 1982 at ----
July 28, 1982 at 1521
July 28, 1982 at 1546
July 28, 1982 at 1611

06712950 Lone Tree Creek at mouth

All Dates

06712960 Cottonwood Creek above Cherry Creek Lake

May 12-15, 1982 at ----
May 24-27, 1982 at ----
June 2-4, 1982 at ----
June 17-19, 1982 at ----
June 24-25, 1982 at ----
June 25-27, 1982 at ----
June 28-29, 1982 at ----
June 28-29, 1982 at 1246
August 20-22, 1982 at ----

The remaining water-quality data presented are from analysis of ambient samples.

Quality-assurance water-quality data were collected for the following stations:

06708000 South Platte River at Waterton

July 28, 1982 at 0900

06708520 Deer Creek above Chatfield Lake

July 27, 1982 at ----
July 28, 1982 at 1015
July 28-31, 1982 at ----
August 6-7, 1982 at ----

06708550 Massey Draw above Chatfield Lake

July 28-31, 1982 at ----
August 11-13, 1982 at ----

06709500 Plum Creek near Louviers

July 27, 1982 at 1200
July 28-30, 1982 at ----

06712450 Cherry Creek at Arapaho Road

August 3-4, 1982 at ----

06712855 Cherry Creek tributary No. 1 near Aurora

July 27, 1982 at 0845
July 28, 1982 at 1520
July 28, 1982 at 1545
July 28, 1982 at 1610

06712960 Cottonwood Creek above Cherry Creek Lake

July 28-29, 1982 at --

Table 259.--Water-quality data for station 06708000 South Platte River at Waterton

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	PH LAB (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
JAN											
25...	1000	10	275	7.5	--	1.0	11.1	1.0	<10	109	--
FEB											
17...	1115	24	315	7.8	--	.0	10.9	.7	1	113	--
MAR											
11...	1050	12	276	7.8	--	3.5	10.8	<2.0	12	82	--
APR											
06...	1000	24	480	7.9	--	8.0	9.5	2.0	<1	140	--
21...	1145	58	480	8.2	--	10.0	9.1	1.0	<2	156	--
MAY											
03...	1010	155	554	8.2	--	11.0	9.1	<2.0	<2	140	--
18...	1135	31	403	8.2	--	16.0	9.8	1.0	<1	122	--
JUN											
03...	0940	33	173	7.4	--	12.0	8.8	1.0	22	116	--
21...	1130	53	144	7.7	--	17.5	7.6	1.0	18	80	--
JUL											
15...	1100	318	188	7.9	--	13.5	8.6	1.0	77	68	--
28...	0900	502	190	8.1	8.2	13.0	9.1	--	--	70	21
28...	0901	502	190	8.1	--	13.0	9.1	2.0	2600	91	--
AUG											
11...	0850	233	313	7.8	--	14.0	8.6	2.0	20	169	--
25...	1030	491	359	8.2	--	14.0	9.1	2.0	49	109	--
SEP											
13...	1215	468	338	7.9	--	12.0	9.2	<1.0	57	98	--
28...	1030	190	192	8.0	--	12.5	8.9	<2.0	4	48	--

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	ALKA-LINITY FIELD (MG/L AS CACO3)	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)
JAN											
25...	--	--	62	163	2	--	--	<.010	.13	.100	.40
FEB											
17...	--	--	56	174	6	--	--	<.010	.14	.080	--
MAR											
11...	--	--	61	168	30	--	--	<.010	.18	.060	.64
APR											
06...	--	--	90	255	7	--	--	<.010	.18	<.050	.25
21...	--	--	102	289	6	--	--	<.010	.02	.080	--
MAY											
03...	--	--	97	273	17	--	--	<.010	.01	<.050	--
18...	--	--	85	361	4	--	--	<.010	.03	<.050	--
JUN											
03...	--	--	43	115	18	--	--	<.010	.10	.070	.43
21...	--	--	34	77	8	--	--	<.010	.10	<.050	--
JUL											
15...	--	--	38	136	22	--	--	<.010	.08	<.050	--
28...	4.2	--	38	125	37	162	--	<.020	.18	.110	.89
28...	--	--	38	133	--	--	--	<.010	.22	<.050	--
AUG											
11...	--	--	75	216	8	--	--	<.010	.08	.050	.25
25...	--	72	--	206	15	--	.09	.010	.10	.090	--
SEP											
13...	--	71	--	188	16	--	--	<.010	.08	<.050	--
28...	--	48	--	107	4	--	--	<.010	.05	<.050	--

Table 259.--Water-quality data for station 06708000 South Platte River at Waterton--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
JAN											
25...	.50	.63	2.8	<.020	--	--	2	<1	10	<10	150
FEB											
17...	<.30	--	--	.020	--	--	3	2	10	<10	300
MAR											
11...	.70	.88	3.9	<.020	--	--	1	<1	<10	<10	1630
APR											
06...	.30	.48	2.1	<.020	--	<.020	1	<1	<10	<10	340
21...	<.30	--	--	<.020	--	<.020	<1	<1	<10	<10	330
MAY											
03...	.60	.61	2.7	<.020	--	<.020	<1	<1	<10	<10	440
18...	.40	.43	1.9	<.020	--	<.020	<1	<1	<10	<10	210
JUN											
03...	.50	.60	2.7	.040	--	<.020	<1	<1	30	<10	960
21...	.40	.50	2.2	<.020	--	<.020	<1	<1	<10	<10	580
JUL											
15...	<.30	--	--	<.020	--	<.020	<1	<1	30	<10	1020
28...	1.00	1.2	5.2	.130	.40	--	<10	<1	20	<10	1800
28...	<.30	--	--	.070	--	<.020	<1	<1	20	<10	3100
AUG											
11...	.30	.38	1.7	.010	--	<.020	--	<1	--	<10	--
25...	<.30	--	--	.080	--	.050	--	<1	--	<10	--
SEP											
13...	<.30	--	--	.200	--	.200	--	--	--	--	--
28...	<.30	--	--	.140	--	.120	--	--	--	--	--

DATE	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN											
25...	--	<10	10	<10	10	--	<10	50	--	<10	2.0
FEB											
17...	--	20	<10	<10	20	--	20	80	--	10	2.0
MAR											
11...	--	<10	<10	<10	80	--	<10	70	--	<10	6.0
APR											
06...	--	30	<10	<10	30	--	<10	30	--	20	<2.0
21...	--	<10	<10	<10	20	--	<10	70	--	<10	<2.0
MAY											
03...	--	30	<10	<10	30	--	<10	20	--	<10	22
18...	--	40	<10	<10	20	--	<10	30	--	<10	3.0
JUN											
03...	--	60	30	<10	50	--	<10	210	--	<10	8.0
21...	--	20	30	<10	30	--	<10	100	--	<10	6.0
JUL											
15...	--	60	30	<10	60	--	<10	60	--	<10	2.0
28...	1800	38	<100	<100	140	120	21	50	40	7	9.1
28...	--	70	30	<10	30	--	20	90	--	<10	4.0
AUG											
11...	--	20	--	<10	--	--	<10	--	--	20	3.0
25...	--	40	--	<10	--	--	<10	--	--	<10	7.0
SEP											
13...	--	--	--	--	--	--	--	--	--	--	<2.0
28...	--	--	--	--	--	--	--	--	--	--	<2.0

Table 259.--Water-quality data for station 06708000 South Platte River at Waterton--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)	ALKA-LINITY FIELD (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)
OCT											
13...	1100	287	290	7.9	5.0	12.2	<2.0	9	80	57	168
27...	1030	164	320	8.1	7.5	10.4	<2.0	4	96	64	182
NOV											
16...	1135	67	277	8.0	3.5	12.0	<2.0	<1	95	72	128
DEC											
10...	1130	27	346	8.0	1.0	12.5	1.0	10	120	66	173

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT											
13...	56	<.010	.08	.060	--	<.30	--	--	.030	<.020	<2.0
27...	14	<.010	.06	.290	1.3	--	1.6	7.2	.220	.030	6.0
NOV											
16...	10	<.010	.10	<.050	--	.30	.40	1.8	.170	.200	<2.0
DEC											
10...	3	<.010	.29	.200	--	<.30	--	--	.140	.110	2.0

Table 260.--Water-quality data for station 06708520 Deer Creek above Chatfield Lake

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	PH LAB (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
JAN											
27...	0830	E.10	1100	8.0	--	3.5	--	1.0	1	538	--
FEB											
17...	0925	E1.0	1150	8.0	--	4.0	10.7	.5	<1	549	--
MAR											
09...	1215	E.50	1175	8.3	--	9.0	11.4	1.0	<2	585	--
APR											
06...	1105	E.30	1250	8.2	--	10.5	11.2	2.0	<1	580	--
21...	1000	E.40	1220	8.2	--	9.0	11.8	2.0	<2	586	--
MAY											
03...	0830	E.30	1190	7.8	--	10.0	10.0	<2.0	11	596	--
18...	0750	E.20	1200	7.8	--	8.0	10.3	1.0	164	594	--
JUN											
03...	1050	E.20	864	8.0	--	11.0	10.8	2.0	640	383	--
21...	1020	.27	864	7.9	--	15.0	8.9	1.0	330	375	--
JUL											
11-11	--	--	--	--	--	--	--	8.0	--	386	--
15...	0820	E.15	1225	7.8	--	13.0	8.0	1.0	3400	587	--
27-27	--	--	--	--	8.0	--	--	--	--	430	120
27-27	0431	--	--	--	--	--	--	7.0	--	444	--
28-31	--	--	--	--	8.3	--	--	--	--	200	57
28...	1015	.91	1200	8.1	8.4	16.0	8.7	--	--	560	160
28...	1016	.91	1200	8.1	--	16.0	8.7	2.0	2500	580	--
28-31	1501	--	--	--	--	--	--	5.0	--	282	--
AUG											
06-07	--	--	--	--	7.9	--	--	--	--	330	95
06-07	1731	--	--	--	--	--	--	5.0	--	333	--
11...	1040	.09	1200	8.0	--	15.5	7.8	<2.0	580	582	--
17...	2000	1.6	--	--	--	--	--	4.0	--	137	--
17...	2030	100	--	--	--	--	--	7.0	--	177	--
17...	2100	50	--	--	--	--	--	6.0	--	203	--
17...	2400	3.8	--	--	--	--	--	6.0	--	299	--
20-22	--	--	--	--	--	--	--	10	--	137	--
25...	0855	.23	1056	7.7	--	14.5	8.4	<2.0	98	488	--
SEP											
13...	1100	1.1	551	7.6	--	12.0	8.6	2.0	10000	235	--
28...	0855	E.25	1190	7.8	--	11.0	8.8	2.0	72	528	--

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	ALKA-LINITY FIELD (MG/L AS CACO3)	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)
JAN											
27...	--	--	234	844	8	--	--	<.010	1.1	<.050	--
FEB											
17...	--	--	226	888	1	--	--	<.010	1.1	<.050	--
MAR											
09...	--	--	233	896	4	--	--	<.010	1.2	<.050	--
APR											
06...	--	--	225	903	2	--	--	<.010	1.2	<.050	--
21...	--	--	226	906	5	--	--	<.010	1.1	<.050	--
MAY											
03...	--	--	236	925	2	--	--	<.010	1.1	<.050	--
18...	--	--	240	1260	2	--	--	<.010	1.2	<.050	--
JUN											
03...	--	--	157	608	6	--	1.0	.030	1.1	<.050	--
21...	--	--	182	568	4	--	--	<.010	.75	<.050	--
JUL											
11-11	--	156	--	593	42	--	1.2	.040	1.2	.200	1.4
15...	--	--	235	898	2	--	.69	.040	.73	<.050	--
27-27	31	--	--	734	--	739	1.4	.050	1.4	.520	.48
27-27	--	180	--	729	9	--	1.3	.030	1.4	.450	.55
28-31	13	--	--	332	--	2150	.70	.040	.74	.080	12
28...	40	--	217	954	--	957	1.2	.020	1.2	.110	.79
28...	--	--	217	929	2	--	--	<.010	1.3	<.050	--
28-31	--	108	--	341	1830	--	.72	.040	.76	.150	4.7
AUG											
06-07	22	--	--	536	--	749	.96	.040	1.0	.220	2.1
06-07	--	132	--	526	178	--	1.0	.030	1.0	.190	1.2
11...	--	--	225	872	14	--	--	<.010	1.3	<.050	--
17...	--	57	--	243	260	--	.74	.020	.76	.470	1.5
17...	--	104	--	122	7570	--	.41	.260	.67	.360	22
17...	--	74	--	101	7500	--	.47	.340	.81	.230	18
17...	--	86	--	227	3270	--	.90	.120	1.0	.130	8.5
20-22	--	136	--	142	7620	--	.51	.190	.70	.240	15
25...	--	--	202	764	6	--	1.0	.010	1.0	.070	--
SEP											
13...	--	--	118	363	342	--	--	<.010	.36	.130	.97
28...	--	--	225	818	1	--	--	<.010	1.1	.050	.25

Table 260.--Water-quality data for station 06708520 Deer Creek above Chatfield Lake--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
JAN											
27...	.50	1.6	6.9	<.020	--	--	2	<1	20	<10	200
FEB											
17...	<.30	--	--	.020	--	--	4	3	20	<10	90
MAR											
09...	<.50	--	--	<.020	--	--	1	--	30	<10	270
APR											
06...	<.30	--	--	<.020	--	<.020	1	<1	<10	<10	120
21...	<.30	--	--	<.020	--	<.020	<1	<1	<10	<10	140
MAY											
03...	.40	1.5	6.7	<.020	--	<.020	<1	<1	60	<60	100
18...	<.30	--	--	<.020	--	<.020	<1	<1	<10	<10	150
JUN											
03...	.40	1.5	6.4	<.020	--	<.020	<1	<1	30	<10	270
21...	.50	1.3	5.5	.020	--	<.020	<1	<1	<10	<10	160
JUL											
11-11	1.60	2.8	12	.090	--	.080	<1	<1	30	<10	1100
15...	<.30	--	--	<.020	--	<.020	<1	<1	30	<10	120
27-27	1.00	2.4	11	.160	.49	--	<10	10	20	20	180
27-27	1.00	2.4	10	.150	--	.070	<1	<1	20	<10	410
28-31	12.0	13	56	.260	.80	--	10	<1	200	10	80000
28...	.90	2.1	9.3	.100	.31	--	10	<1	20	<10	140
28...	<.30	--	--	.050	--	.020	<1	<1	<10	<10	210
28-31	4.80	5.6	25	1.81	--	.100	--	<1	190	<10	--
AUG											
06-07	2.30	3.3	15	.220	.67	--	20	<1	10	10	7200
06-07	1.40	2.4	11	.380	--	.020	--	<1	70	<10	--
11...	.60	1.9	8.4	.110	--	<.020	--	<1	--	<10	--
17...	2.00	2.8	12	.680	--	<.020	--	<1	50	<10	--
17...	22.6	23	100	3.25	--	.040	--	<1	430	<10	--
17...	18.1	19	84	4.50	--	<.020	--	<1	350	<10	--
17...	8.60	9.6	43	2.58	--	<.020	--	<1	330	<10	--
20-22	15.0	16	69	3.88	--	<.020	--	<1	360	<10	--
25...	<.30	--	--	.140	--	.120	--	<1	--	<10	--
SEP											
13...	1.10	1.5	6.5	.420	--	.210	--	--	--	--	--
28...	<.30	1.4	6.4	.160	--	.130	--	--	--	--	--

DATE	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN											
27...	--	<10	20	<10	40	--	<10	140	--	<10	4.0
FEB											
17...	--	20	10	<10	30	--	30	150	--	<10	<2.0
MAR											
09...	--	--	<10	--	30	--	--	30	--	<10	<2.0
APR											
06...	--	<10	<10	<10	30	--	30	30	--	<10	<2.0
21...	--	10	<10	<10	40	--	30	40	--	<10	3.0
MAY											
03...	--	40	<10	<10	40	--	30	20	--	<10	2.0
18...	--	30	<10	<10	60	--	40	30	--	<10	6.0
JUN											
03...	--	<10	50	<10	60	--	30	50	--	<10	4.0
21...	--	80	<10	<10	40	--	20	30	--	<10	130
JUL											
11-11	--	20	20	<10	90	--	30	100	--	60	2.0
15...	--	<10	20	<10	20	--	<10	60	--	<10	4.0
27-27	160	20	<100	<100	60	0	60	40	10	30	14
27-27	--	30	20	<10	40	--	30	60	--	20	15
28-31	80000	22	200	<100	2100	2100	8	420	410	7	47
28...	130	15	<100	<100	30	10	19	10	0	11	3.8
28...	--	60	30	<10	10	--	<10	20	--	<10	<2.0
28-31	--	30	80	<10	2300	--	<10	540	--	<10	49
AUG											
06-07	7200	19	100	<100	350	310	36	340	310	26	15
06-07	--	<10	<10	<10	360	--	30	130	--	<10	13
11...	--	<10	--	<10	--	--	<10	--	--	<10	2.0
17...	--	30	60	<10	350	--	<10	140	--	30	16
17...	--	80	330	<10	6400	--	50	1300	--	<10	146
17...	--	80	310	<10	5400	--	<10	900	--	<10	126
17...	--	120	190	<10	4000	--	<10	710	--	<10	76
20-22	--	50	230	<10	5700	--	<10	1010	--	<10	102
25...	--	<10	--	<10	--	--	80	--	--	<10	4.0
SEP											
13...	--	--	--	--	--	--	--	--	--	--	8.0
28...	--	--	--	--	--	--	--	--	--	--	<2.0

260.--Water-quality data for station 06708520 Deer Creek above Chatfield Lake--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)
OCT											
13...	0845	.63	766	7.5	6.0	9.9	3.0	80	349	157	558
27...	0850	E.25	1078	7.8	9.0	10.0	<2.0	3	499	207	781
NOV											
16...	1300	E.20	1130	8.1	6.0	11.8	<2.0	2	538	292	812
DEC											
10...	1000	E.15	1146	8.0	4.5	12.2	1.0	6	551	195	764

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT											
13...	14	<.010	.59	.130	--	<.30	--	--	<.020	<.020	4.0
27...	1	<.010	1.1	.160	1.0	--	2.3	10	.030	.030	4.0
NOV											
16...	6	<.010	1.1	<.050	--	<.30	--	--	.220	.220	<2.0
DEC											
10...	2	<.010	1.3	.050	--	<.30	--	--	.130	.180	6.0

Table 261.--Water-quality data for station 06708550 Massey Draw above Chatfield Lake

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	PH LAB (UNITS)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	ALKA-LINITY FIELD (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)
MAY										
12...	2100	--	7.0	--	148	--	--	95	240	871
13...	1050	--	4.0	2500	193	--	--	90	295	156
JUL										
09-10	--	--	--	--	199	--	--	--	351	74
28-30	--	8.0	--	--	160	47	11	--	322	--
28-30	1446	--	4.0	--	168	--	--	138	342	27
AUG										
06-07	--	--	8.0	--	206	--	--	164	239	862
11-13	--	7.6	--	--	170	50	12	--	333	--
11-13	1916	--	4.0	--	375	--	--	153	293	98
17-18	--	--	5.0	--	139	--	--	114	126	1040
20-22	--	--	6.0	--	167	--	--	123	227	416
SEP										
13-14	--	--	3.0	--	164	--	--	142	221	489

DATE	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)
MAY										
12...	--	.94	.060	1.0	.220	3.0	3.20	4.2	19	1.30
13...	--	.80	.030	.83	.060	.94	1.00	1.8	8.1	.480
JUL										
09-10	--	--	--	.49	.200	2.1	2.25	2.7	12	.410
28-30	358	.14	.020	.16	.110	1.9	2.00	2.2	9.6	.310
28-30	--	.20	.020	.22	.140	1.3	1.40	1.6	7.2	.420
AUG										
06-07	--	.77	.050	.82	.190	2.5	2.70	3.5	16	1.11
11-13	409	.13	.040	.17	.150	1.7	1.80	2.0	8.7	.420
11-13	--	--	<.010	.18	.080	1.0	1.10	1.3	5.7	.640
17-18	--	.75	.090	.84	.160	2.2	2.40	3.2	14	.930
20-22	--	.38	.030	.41	.120	1.9	2.00	2.4	11	.670
SEP										
13-14	--	.19	.030	.22	<.050	--	1.10	1.3	5.8	.680

Table 261.--Water-quality data for station 06708550 Massey Draw above Chatfield Lake--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	PHOS-PHORUS TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)
MAY									
12...	--	.230	2	1	60	20	3090	--	90
13...	--	.190	2	<1	30	<10	6500	--	80
JUL									
09-10	--	.230	1	<1	30	<10	3090	--	40
28-30	.95	--	10	10	30	20	870	810	60
28-30	--	.310	--	<1	30	<10	--	--	120
AUG									
06-07	--	<.020	--	<1	60	<10	--	--	30
11-13	1.3	--	50	<1	10	20	2700	2700	25
11-13	--	.060	--	<1	30	<10	--	--	<10
17-18	--	<.020	--	<1	70	<10	--	--	70
20-22	--	.070	--	<1	50	<10	--	--	60
SEP									
13-14	--	.260	--	<1	60	<10	--	--	20

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
MAY									
12...	60	10	640	--	20	200	--	30	30
13...	20	<10	110	--	<10	60	--	<10	11
JUL									
09-10	30	<10	70	--	<10	90	--	30	10
28-30	<100	<100	30	20	10	40	20	20	16
28-30	<10	<10	40	--	<10	70	--	<10	17
AUG									
06-07	40	<10	430	--	<10	270	--	<10	28
11-13	<100	<100	90	90	4	40	30	10	16
11-13	30	<10	90	--	<10	60	--	<10	20
17-18	90	<10	500	--	<10	230	--	<10	26
20-22	30	<10	270	--	<10	120	--	30	40
SEP									
13-14	<10	<10	260	--	<10	150	--	<10	16

Table 262.--Water-quality data for station 06709500 Plum Creek near Louviers

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	PH LAB (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
JAN											
26...	0945	30	340	7.5	--	1.0	12.0	2.0	52	155	--
FEB											
18...	0810	8.0	367	7.5	--	.0	11.4	1.0	64	145	--
MAR											
11...	0830	13	370	7.5	--	6.0	10.0	<2.0	<1	135	--
APR											
06...	0830	4.0	375	7.7	--	6.0	10.0	2.0	<1	136	--
21...	0845	27	351	7.7	--	4.5	10.2	3.0	20	140	--
MAY											
03...	1230	14	394	8.0	--	22.5	7.2	<2.0	<2	135	--
11-15	--	--	--	--	--	--	--	3.0	--	123	--
13...	1200	88	--	--	--	--	--	--	440	--	--
18...	1030	62	346	7.9	--	17.5	8.4	2.0	106	122	--
26...	1000	73	--	--	--	--	--	2.0	--	111	--
JUN											
04...	0750	24	288	7.7	--	11.0	8.5	1.0	130	124	--
18-19	--	--	--	--	--	--	--	6.0	--	122	--
23...	0800	5.6	307	7.8	--	15.0	7.5	1.0	170	106	--
25-27	--	--	--	--	--	--	--	4.0	--	118	--
25...	1030	13	--	--	--	--	--	1.0	--	112	--
JUL											
16...	0820	.97	349	7.6	--	16.0	7.2	3.0	36	136	--
27...	1200	.25	360	8.2	8.2	24.5	7.7	--	--	53	11
27...	1201	.25	360	8.2	--	24.5	7.7	2.0	32	179	--
28-30	--	--	--	--	8.8	--	--	--	--	99	32
28-30	1101	--	--	--	--	--	--	3.0	--	161	--
AUG											
11...	1300	2.8	318	8.0	--	27.0	7.4	2.0	76	136	--
25...	1245	18	399	7.9	--	24.0	7.1	<2.0	237	116	--
SEP											
14...	0835	93	279	8.1	--	12.0	8.7	<2.0	500	118	--
27...	1150	39	314	8.0	--	20.0	7.4	1.0	320	115	--

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	ALKA-LINITY FIELD (MG/L AS CACO3)	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)
JAN											
26...	--	--	100	211	148	--	--	<.010	.33	.080	.72
FEB											
18...	--	--	100	242	14	--	--	<.010	.31	.170	--
MAR											
11...	--	--	100	229	139	--	--	<.010	.53	.080	--
APR											
06...	--	--	103	219	71	--	--	<.010	.41	.060	.54
21...	--	--	102	232	165	--	--	<.010	.06	<.050	--
MAY											
03...	--	--	105	247	23	--	--	<.010	.09	<.050	--
11-15	--	93	--	208	440	--	.09	.150	.24	<.050	--
13...	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	90	280	211	--	--	<.010	.25	<.050	--
26...	--	79	--	180	657	--	.32	.020	.34	.050	1.8
JUN											
04...	--	--	84	181	207	--	.34	.020	.36	<.050	--
18-19	--	96	--	193	200	--	--	<.010	.25	<.050	--
23...	--	--	90	171	82	--	--	<.010	.16	<.050	--
25-27	--	92	--	232	206	--	--	<.010	.22	.160	.84
25...	--	96	--	213	195	--	--	<.010	.20	<.050	--
JUL											
16...	--	--	100	203	4	--	--	<.010	.06	<.010	--
27...	6.1	--	107	237	--	236	--	<.020	<.10	.090	.81
27...	--	--	107	251	1	--	.10	.010	.11	<.050	--
28-30	4.7	--	--	282	--	1920	.33	.060	.39	.070	9.9
28-30	--	77	--	319	1500	--	.41	.030	.44	.060	3.6
AUG											
11...	--	--	98	211	4	--	--	<.010	.09	.060	.44
25...	--	--	97	202	105	--	.20	.010	.21	.060	--
SEP											
14...	--	--	100	188	397	--	--	<.010	.14	.090	.71
27...	--	--	90	165	67	--	--	<.010	.11	.110	--

Table 262.--Water-quality data for station 06709500 Plum Creek near Louviers--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
JAN											
26...	.80	1.1	5.0	.100	--	--	3	<1	20	<10	4300
FEB											
18...	<.30	--	--	.040	--	--	3	2	80	<10	700
MAR											
11...	<.30	--	--	.100	--	--	1	<1	30	<10	3280
APR											
06...	.60	1.0	4.5	.090	--	.040	2	<1	<10	<10	1740
21...	1.00	1.1	4.7	.280	--	.050	<1	<1	<10	<10	5400
MAY											
03...	.60	.69	3.1	<.020	--	<.020	<1	<1	<10	<10	690
11-15	1.40	1.6	7.3	.620	--	.050	2	1	30	<10	14000
13...	--	--	--	--	--	--	--	--	--	--	--
18...	.60	.85	3.8	.250	--	.050	<1	<1	<10	<10	6600
26...	1.80	2.1	9.5	.880	--	.050	2	<1	30	<10	21400
JUN											
04...	.60	.96	4.2	.300	--	.060	<1	<1	<10	<10	5400
18-19	1.50	1.8	7.7	.220	--	.090	<1	<1	20	<10	6100
23...	.50	.66	2.9	.100	--	.060	<1	<1	<10	<10	2790
25-27	1.00	1.2	5.4	.300	--	.020	2	<1	30	<10	5500
25...	.80	1.0	4.4	.270	--	.050	<1	<1	30	<10	4800
JUL											
16...	<.30	--	--	<.020	--	<.020	<1	<1	30	<10	260
27...	.90	--	--	.120	.37	--	10	10	10	10	30
27...	<.30	--	--	.210	--	.180	<1	<1	<10	<10	160
28-30	10.0	10	46	.940	2.9	--	10	<1	80	20	35000
28-30	3.70	4.1	18	1.42	--	.130	--	<1	80	<10	--
AUG											
11...	.50	.59	2.6	.130	--	<.020	--	<1	30	<10	--
25...	<.30	--	--	.050	--	.020	--	<1	30	<10	--
SEP											
14...	.80	.94	4.2	.480	--	.260	--	<1	50	<10	--
27...	<.30	--	--	.290	--	.200	--	<1	40	<10	--

Table 262.--Water-quality data for station 06709500 Plum Creek near Louviers--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN											
26...	--	<10	20	<10	180	--	<10	80	--	<10	5.0
FEB											
18...	--	20	30	<10	80	--	30	770	--	10	<2.0
MAR											
11...	--	<10	<10	<10	80	--	<10	90	--	<10	4.0
APR											
06...	--	20	<10	<10	90	--	<10	40	--	20	<2.0
21...	--	<10	<10	<10	240	--	<10	130	--	<10	6.0
MAY											
03...	--	30	<10	<10	40	--	<10	20	--	<10	<2.0
11-15	--	30	<10	<10	540	--	<10	70	--	<10	16
13...	--	--	--	--	--	--	--	--	--	--	--
18...	--	50	<10	<10	260	--	<10	50	--	<10	6.0
26...	--	50	70	<10	700	--	<10	130	--	30	12
JUN											
04...	--	30	60	<10	230	--	<10	50	--	<10	6.0
18-19	--	<10	30	<10	320	--	<10	70	--	<10	10
23...	--	20	20	<10	160	--	<10	50	--	<10	3.0
25-27	--	20	<10	<10	240	--	<10	60	--	<10	6.0
25...	--	<10	20	<10	200	--	<10	60	--	20	8.0
JUL											
16...	--	20	40	<10	<10	--	<10	50	--	<10	4.0
27...	20	10	<100	<100	30	10	20	10	0	10	3.5
27...	--	<10	<10	<10	<10	--	<10	20	--	<10	2.0
28-30	34000	1300	100	<100	760	720	37	190	170	25	34
28-30	--	30	<10	<10	800	--	<10	290	--	<10	32
AUG											
11...	--	<10	20	<10	30	--	<10	30	--	<10	2.0
25...	--	<10	<10	<10	110	--	<10	70	--	<10	10
SEP											
14...	--	20	<10	<10	340	--	<10	90	--	<10	8.0
27...	--	<10	<10	<10	80	--	<10	50	--	<10	2.0

Table 262.--Water-quality data for station 06709500 Plum Creek near Louviers--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)
OCT												
13...	1315	48	310	8.0	14.0	8.3	<2.0	1200	151	95	192	333
28...	0900	18	320	7.6	5.0	11.3	<2.0	80	122	97	195	147
NOV												
16...	0845	4.8	337	7.8	2.0	--	<2.0	20	132	118	185	56
DEC												
13...	0815	33	330	7.8	1.0	12.2	<2.0	8	131	97	213	60

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)
OCT											
13...	<.010	.13	<.050	--	<.30	--	--	.350	.090	--	1
28...	<.010	.04	.140	1.3	--	1.5	6.6	.390	.050	<1	3
NOV											
16...	<.010	.15	.060	--	<.30	--	--	.280	.160	--	--
DEC											
13...	<.010	.24	.060	--	<.30	--	--	.190	.150	--	--

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT											
13...	30	20	--	30	<10	<10	350	<10	60	30	6.0
28...	<10	20	490	20	<10	<10	190	<10	40	20	6.0
NOV											
16...	20	<10	--	--	<10	<10	80	<10	20	<10	5.0
DEC											
13...	<10	<10	--	--	<10	<10	80	<10	50	<10	20

Table 263.--Water-quality data for station 06709610 South Platte River below Chatfield Lake

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)	ALKA-LINITY FIELD (MG/L AS CACO3)	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)
JAN												
25...	1415	9.7	--	8.6	5.4	10.8	2.0	<4	179	12	--	252
FEB												
17...	1330	10	380	8.6	5.5	11.4	1.0	--	150	96	--	264
MAR												
10...	1200	22	340	8.7	11.0	12.9	2.0	<1	148	94	94	235
APR												
06...	1200	26	430	8.6	8.0	9.8	2.0	<1	160	98	98	246
21...	1100	73	400	8.8	10.0	11.2	3.0	<2	151	98	--	251
MAY												
04...	1100	207	380	8.8	14.0	11.9	3.0	<1	170	98	98	263
18...	1300	18	380	8.6	15.0	8.7	2.0	3	150	--	--	301
JUN												
03...	1000	100	440	8.3	13.0	8.8	2.0	4	153	--	--	239
22...	1030	143	410	8.7	17.0	8.2	1.0	2	137	102	--	218
JUL												
15...	1015	210	350	8.4	19.5	7.8	1.0	2	121	--	--	207
29...	1030	341	320	8.4	17.0	9.2	<2.0	1	105	72	--	207
AUG												
12...	1030	265	--	--	--	--	2.0	1	113	78	--	185
26...	1030	580	340	7.9	20.0	7.4	2.0	3	114	82	--	206
SEP												
16...	1000	750	360	8.5	16.0	8.1	2.0	3	116	89	--	212
28...	1000	125	360	7.9	17.8	8.1	3.0	8	117	89	--	214

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
JAN												
25...	5	--	<.010	.86	<.050	--	.80	1.7	7.3	<.020	--	1
FEB												
17...	4	.65	.010	.66	.090	--	<.30	--	--	.100	--	1
MAR												
10...	6	--	<.010	.71	<.050	--	.40	1.1	4.9	<.020	--	1
APR												
06...	11	--	<.010	1.5	<.050	--	.40	1.9	8.3	<.020	<.020	1
21...	8	--	<.010	.93	.080	--	<.30	--	--	.040	<.020	<1
MAY												
04...	10	--	<.010	.56	.170	.33	.50	1.1	4.7	<.020	<.020	<1
18...	12	--	<.010	.44	.100	.30	.40	.84	3.7	.020	<.020	1
JUN												
03...	9	--	<.010	.50	.130	.37	.50	1.0	4.4	.060	<.020	5
22...	9	--	<.010	.25	.100	.40	.50	.75	3.3	<.020	<.020	<1
JUL												
15...	10	.05	.020	.07	.200	.20	.40	.47	2.1	<.020	<.020	<1
29...	10	--	<.010	.42	.800	.00	.60	1.0	4.5	.560	.060	<1
AUG												
12...	70	--	<.010	.17	.140	--	<.30	--	--	.100	<.020	--
26...	7	--	<.010	.10	.080	--	<.30	--	--	.180	.170	--
SEP												
16...	7	--	<.010	.99	.480	--	<.30	--	--	.170	.160	--
28...	12	--	<.010	.17	<.050	--	.60	.77	3.4	.160	<.160	--

Table 263.--Water-quality data for station 06709610 South Platte River below Chatfield Lake--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	CADMIUM DIS-SOLVED (UG/L AS CD)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN												
25...	<1	20	<10	230	<10	10	<10	170	<80	30	--	<2.0
FEB												
17...	<1	20	<10	230	<10	<10	<10	80	40	30	<30	2.0
MAR												
10...	<1	20	<10	240	<10	<10	<10	60	<10	20	<20	20
APR												
06...	<1	<10	<10	350	<10	<10	<10	60	<10	30	20	16
21...	<1	10	<10	250	<10	<10	<10	30	<10	40	<10	34
MAY												
04...	<1	90	20	250	<10	<10	<10	70	<10	90	30	84
18...	1	<10	<10	340	20	10	<10	100	30	30	20	4.0
JUN												
03...	<1	<10	<10	330	<10	20	<10	170	90	70	<10	<2.0
22...	<1	20	<10	300	20	<10	<10	210	120	30	<10	4.0
JUL												
15...	<1	30	<10	360	<10	<10	<10	120	30	60	30	2.0
29...	<1	20	<10	350	<10	30	<10	30	<10	30	<10	8.0
AUG												
12...	<1	--	<10	--	30	--	<10	--	50	--	<10	19
26...	<1	--	<10	--	<10	--	<10	--	<10	--	<10	16
SEP												
16...	--	--	--	--	--	--	--	--	--	--	--	6.0
28...	--	--	--	--	--	--	--	--	--	--	--	4.0

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)	ALKA-LINITY FIELD (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)
OCT												
14...	1200	190	350	8.4	11.5	8.9	2.0	<2	--	--	211	8
27...	1030	250	360	9.1	10.5	9.4	<2.0	<1	128	128	212	5
NOV												
17...	0900	75	430	8.4	4.6	10.5	1.0	<1	128	--	208	6
DEC												
14...	0900	10	340	8.4	3.0	10.9	2.0	<1	214	88	207	3

DATE	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT											
14...	--	<.010	.30	.090	--	<.30	--	--	<.020	<.020	--
27...	--	<.010	.23	.140	1.5	--	1.9	8.3	.030	<.020	58
NOV											
17...	--	<.010	.25	.090	.21	.30	.55	2.4	.190	.140	12
DEC											
14...	.39	.010	.40	<.050	--	<.30	--	--	.100	<.100	31

Table 264.--Water-quality data for station 06712450 Cherry Creek at Arapahoe Road

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH LAB (UNITS)	BOD OXYGEN DEMAND, BIOCHEM CARBON. 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	ALKA-LINITY FIELD (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)
MAY										
13...	0925	.50	--	5.0	60	51	--	--	40	118
14...	0810	1.8	--	4.0	20	70	--	--	49	116
14...	1445	1.9	--	5.0	--	80	--	--	55	124
JUN										
04-04	--	--	--	2.0	--	300	--	--	--	406
24-25	--	--	--	8.0	--	338	--	--	194	154
25-26	--	--	--	17	--	379	--	--	136	93
AUG										
03-04	--	--	8.4	--	--	68	22	3.1	149	154
03-04	2001	--	--	8.0	--	522	--	--	149	116

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)
MAY										
13...	148	--	1.1	.160	1.3	1.78	1.2	3.00	4.3	19
14...	157	--	.46	.100	.56	1.20	.80	2.00	2.6	11
14...	141	--	.88	.120	1.0	1.50	1.0	2.50	3.5	15
JUN										
04-04	700	--	--	<.010	1.9	.170	1.3	1.50	3.4	15
24-25	13800	--	.97	.120	1.1	.300	23	23.5	25	110
25-26	6850	--	.93	.110	1.0	.250	15	15.3	16	72
AUG										
03-04	--	5850	1.1	.080	1.2	.200	27	27.0	28	120
03-04	13900	--	1.1	.140	1.2	.430	23	23.1	24	110

Table 264.--Water-quality data for station 06712450 Cherry Creek at Arapahoe Road--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)
MAY										
13...	1.80	--	1.30	<1	<1	20	<10	7200	--	120
14...	1.20	--	.800	<1	1	20	20	9900	--	90
14...	1.40	--	1.00	2	2	20	<10	5900	--	60
JUN										
04-04	.620	--	.300	<1	<1	40	<10	28000	--	<10
24-25	5.16	--	.250	3	<1	480	<10	430000	--	20
25-26	7.04	--	.150	3	<1	260	20	184000	--	<10
AUG										
03-04	6.80	21	--	20	3	320	10	240000	240000	120
03-04	8.11	--	.370	--	<1	--	<10	--	--	70

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
MAY									
13...	10	10	120	--	30	80	--	20	20
14...	<10	<10	130	--	20	60	--	<10	10
14...	20	<10	100	--	20	60	--	<10	8.0
JUN									
04-04	80	<10	440	--	<10	120	--	<10	15
24-25	360	<10	7300	--	<10	1660	--	<10	176
25-26	170	<10	3200	--	<10	910	--	<10	124
AUG									
03-04	500	<100	6300	6300	13	1000	970	33	190
03-04	--	<10	--	--	<10	--	--	<10	168

Table 265.--Water-quality data for station 06712495 Piney Creek at Parker Road

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	HARD-NESS (MG/L AS CACO3)	ALKA-LINITY FIELD (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITR GEN ORGAN TOTA (MG/ AS N
AUG												
17...	1105	.25	4.0	370	135	109	6450	.98	.100	1.1	.400	19
17...	2050	.21	4.0	213	86	121	1880	.62	.080	.70	.260	6.
20...	2210	.22	10	59	30	66	797	.51	.100	.61	.350	2.

DATE	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	CADMIUM DIS-SOLVED (UG/L AS CD)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBO ORGAN TOTA (MG/ AS C
AUG												
17...	19.3	20	90	6.69	.110	<1	<10	<10	<10	<10	<10	126
17...	6.60	7.3	32	2.37	.110	<1	<10	30	<10	<10	<10	42
20...	3.20	3.8	17	1.10	.230	<1	<10	30	<10	<10	<10	33

Table 266.--Water-quality data for station 06712850 Cherry Creek above Cherry Creek Lake

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)
JAN												
26...	1315	.13	730	7.5	12.0	8.8	1.0	10	333	213	500	21
FEB												
18...	1030	E.10	770	7.5	9.5	9.0	2.0	66	293	210	507	71
MAR												
09...	0900	E.15	712	7.5	7.0	10.4	3.0	21	297	195	481	52
APR												
05...	1100	E.20	712	7.6	12.5	11.1	15	10	287	203	500	598
20...	0930	E.20	678	7.6	6.0	10.5	2.0	82	285	207	473	65
MAY												
04...	0915	E.20	683	7.6	11.5	13.1	2.0	140	285	210	483	20
19...	0900	E.20	712	7.5	11.0	11.5	1.0	130	289	212	553	21
JUN												
02...	0745	E.25	720	7.4	9.0	8.6	1.0	190	294	210	488	8
22...	0930	E.10	720	7.7	12.5	11.4	2.0	620	260	212	413	23

DATE	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)
JAN												
26...	3.9	.060	4.0	.090	.91	1.00	5.0	22	.190	--	1	<1
FEB												
18...	4.2	.040	4.3	.060	.24	.30	4.6	20	.320	--	1	<1
MAR												
09...	3.8	.030	3.8	<.050	--	1.00	4.8	21	.200	--	1	<1
APR												
05...	4.0	.030	4.0	<.050	--	.50	4.5	20	--	<.110	1	<1
20...	4.1	.020	4.1	.120	.48	.60	4.7	21	.220	.120	<1	<1
MAY												
04...	3.8	.030	3.9	<.050	--	<.30	--	--	.040	<.020	<1	<1
19...	4.0	.040	4.0	<.050	--	<.30	--	--	.100	.050	<1	<1
JUN												
02...	3.9	.080	4.0	.080	.32	.40	4.4	19	.190	.080	4	<1
22...	2.9	.090	3.0	<.050	--	.70	3.7	16	.090	.090	<1	<1

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN											
26...	20	<10	1020	<10	10	<10	200	140	80	<10	5.0
FEB											
18...	30	<10	3200	30	20	<10	390	290	180	10	3.0
MAR											
09...	30	<10	2300	<10	<10	<10	180	<180	40	10	4.0
APR											
05...	<10	<10	530	30	<10	<10	150	150	20	20	3.0
20...	20	<10	2240	<10	<10	<10	190	180	30	<10	7.0
MAY											
04...	70	<10	470	<10	<10	<10	100	100	90	<10	<2.0
19...	<10	<10	570	30	<10	<10	150	150	20	<10	3.0
JUN											
02...	20	<10	270	<10	60	<10	150	140	60	<10	3.0
22...	<10	<10	670	20	30	<10	120	80	30	<10	6.0

Table 267.--Water-quality data for station 06712855 Cherry Creek tributary No. 1 near Aurora

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	PH LAB (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
APR											
20...	1040	E.10	1410	8.0	--	8.0	8.8	3.0	56	576	--
MAY											
04...	1100	E.15	1380	8.2	--	17.0	9.5	2.0	81	650	--
12-14	--	--	--	--	--	--	--	9.0	--	190	--
13...	0930	--	--	--	--	--	--	--	1500	--	--
19...	1000	E.20	1380	8.1	--	16.0	8.0	1.0	100	590	--
JUN											
02...	0845	E.25	1270	8.1	--	13.5	8.0	1.0	720	564	--
22...	1115	.20	1400	8.1	--	21.0	7.0	1.0	200	528	--
24-24	--	--	--	--	--	--	--	37	--	225	--
JUL											
16...	1120	E.10	1350	8.0	--	21.5	5.6	5.0	1500	507	--
27...	0845	.27	1180	7.8	8.1	17.0	6.7	--	--	160	28
27...	0846	.27	1180	7.8	--	17.0	6.7	12	2300	466	--
28...	1520	219	--	--	8.2	--	--	--	--	45	14
28...	1521	219	--	--	--	--	--	8.0	--	509	--
28...	1545	113	--	--	8.3	--	--	--	--	47	15
28...	1546	113	--	--	--	--	--	7.0	--	323	--
28...	1610	29	--	--	8.0	--	--	--	--	69	22
28...	1611	29	--	--	--	--	--	8.0	--	197	--
AUG											
10...	1000	E.10	1287	8.1	--	19.0	--	62	900	502	--
26...	0850	E.15	1091	7.7	--	17.0	7.7	1.0	700	407	--
SEP											
14...	1030	E.15	1225	8.0	--	15.5	8.2	<2.0	420	456	--
27...	1000	E.15	1350	7.7	--	15.0	7.6	2.0	570	470	--

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	ALKA-LINITY FIELD (MG/L AS CACO3)	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)
APR											
20...	--	--	243	1000	258	--	8.2	.010	8.2	.120	2.2
MAY											
04...	--	--	259	1020	63	--	8.4	.020	8.4	<.050	--
12-14	--	69	--	124	8240	--	.69	.110	.80	.240	6.8
13...	--	--	--	--	--	--	--	--	--	--	--
19...	--	--	267	1080	224	--	--	<.010	8.6	<.050	--
JUN											
02...	--	--	259	994	92	--	--	<.010	8.2	<.050	--
22...	--	--	258	949	63	--	--	<.010	7.7	<.050	--
24-24	--	100	--	261	4630	--	1.6	.090	1.7	.760	9.1
JUL											
16...	--	--	251	898	674	--	7.4	.030	7.4	.060	.94
27...	23	--	210	908	--	919	6.6	.220	6.8	.550	.65
27...	--	--	210	890	129	--	6.4	.200	6.6	.480	1.3
28...	2.4	--	--	81	--	10800	.34	.040	.38	.120	15
28...	--	115	--	114	12700	--	.27	.110	.38	.260	14
28...	2.3	--	--	90	--	7960	.57	.050	.62	.200	11
28...	--	94	--	98	8500	--	.53	.090	.62	.250	8.3
28...	3.4	--	--	140	--	3510	.80	.130	.93	.250	4.2
28...	--	84	--	156	4490	--	.87	.090	.96	.230	5.5
AUG											
10...	--	--	254	892	62	--	7.9	.040	7.9	<.050	--
26...	--	--	215	765	69	--	5.7	.020	5.7	.090	.71
SEP											
14...	--	--	253	869	84	--	7.1	.020	7.1	.360	.64
27...	--	--	249	920	143	--	8.1	.040	8.2	.070	.83

Table 267.--Water-quality data for station 06712855 Cherry Creek tributary No. 1 near Aurora--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
APR											
20...	2.30	10	46	.400	--	.160	2	<1	30	<10	6700
MAY											
04...	.60	9.0	40	.160	--	<.020	<1	<1	20	<10	2550
12-14	7.00	7.8	35	4.40	--	.180	<1	<1	160	<10	14200
13...	--	--	--	--	--	--	--	--	--	--	--
19...	.90	9.5	42	.200	--	.050	1	<1	20	<10	4240
JUN											
02...	.70	8.9	39	.200	--	.120	6	<1	30	<10	1890
22...	.80	8.5	38	.200	--	.130	2	<1	30	<10	3030
24-24	9.90	12	51	2.95	--	.100	<1	<1	150	<10	8800
JUL											
16...	1.00	8.4	37	.460	--	.200	<1	<1	50	<10	6000
27...	1.20	8.0	35	.410	1.3	--	10	10	30	20	1700
27...	1.80	8.4	37	.710	--	.430	<1	<1	30	<10	2640
28...	15.0	15	68	4.10	13	--	10	<1	470	<10	190000
28...	13.9	14	63	8.43	--	.180	<1	<1	350	<10	338000
28...	11.0	12	51	3.00	9.2	--	10	<1	310	10	130000
28...	8.50	9.1	40	6.46	--	.350	<1	<1	230	<10	155000
28...	4.40	5.3	24	2.30	7.1	--	10	<1	180	10	73000
28...	5.70	6.7	29	3.92	--	.610	--	<1	150	<10	--
AUG											
10...	.30	8.2	36	.260	--	<.020	--	<1	30	<10	--
26...	.80	6.5	29	.160	--	.050	--	<1	30	<10	--
SEP											
14...	1.00	8.1	36	.360	--	.310	--	<1	50	<10	--
27...	.90	9.1	40	.400	--	.340	--	<10	30	<10	--

DATE	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
APR											
20...	--	<10	<10	<10	150	--	20	120	--	<10	62
MAY											
04...	--	10	<10	<10	70	--	100	30	--	<10	4.0
12-14	--	60	180	<10	3100	--	<10	50	--	<10	13
13...	--	--	--	--	--	--	--	--	--	--	--
19...	--	30	10	<10	100	--	<10	40	--	<10	12
JUN											
02...	--	<10	70	<10	70	--	<10	90	--	<10	8.0
22...	--	<10	20	<10	160	--	<10	40	--	<10	8.0
24-24	--	20	210	<10	2700	--	<10	420	--	<10	86
JUL											
16...	--	30	30	<10	80	--	<10	70	--	<10	11
27...	1600	60	<100	<100	120	60	60	40	10	30	26
27...	--	30	<10	<10	50	--	30	50	--	<10	24
28...	190000	7	400	<100	6200	6200	5	830	830	5	90
28...	--	<10	330	<10	6500	--	<10	1190	--	<10	109
28...	130000	45	200	<100	4000	4000	2	550	540	11	63
28...	--	60	210	<10	4400	--	<10	790	--	<10	70
28...	73000	21	200	<100	2100	--	<1	320	310	12	48
28...	--	80	120	<10	2600	--	<10	460	--	20	50
AUG											
10...	--	<10	<10	<10	100	--	20	90	--	<10	5.0
26...	--	<10	<10	<10	90	--	20	120	--	<10	6.0
SEP											
14...	--	<10	<10	<10	90	--	30	60	--	<10	6.0
27...	--	<10	<10	<10	90	--	60	30	--	<10	7.0

Table 267.--Water-quality data for station 06712855 Cherry Creek tributary No. 1 near Aurora--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)
OCT												
14...	0910	E.15	1170	7.8	9.0	8.8	1.0	100	458	241	849	31
28...	1045	E.15	1410	8.0	9.5	9.5	<2.0	340	530	267	950	22
NOV												
17...	0945	.18	950	7.9	8.0	10.4	1.0	17	555	287	1020	13
DEC												
13...	1100	E.15	1440	8.2	7.0	10.6	<2.0	12	571	274	104	24

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)
OCT											
14...	<.010	7.5	.070	--	<.30	--	--	.450	.180	1	<1
28...	<.010	9.3	.120	1.8	--	11	50	.300	.030	1	<1
NOV											
17...	<.010	8.0	<.050	--	.30	8.3	37	.280	.240	--	--
DEC											
13...	<.010	9.4	.080	--	<.30	--	--	.230	.210	--	--

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT											
14...	30	30	1500	10	<10	<10	80	60	<10	<10	4.0
28...	10	30	480	10	<10	<10	60	60	20	<10	7.0
NOV											
17...	30	<10	--	--	<10	<10	100	<100	20	<10	<2.0
DEC											
13...	<10	<10	--	--	<10	<10	80	60	60	<10	9.0

Table 268.--Water-quality data for station 06712950 Lone Tree Creek at mouth

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)	ALKA-LINITY FIELD (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)
MAY											
12-15	--	--	4.0	--	180	82	842	274	.64	.040	.68
13...	1105	--	--	1700	--	--	--	--	--	--	--
26...	1015	.56	3.0	--	115	75	380	137	.47	.050	.52

DATE	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)
MAY										
12-15	.060	.74	.80	1.5	6.6	.550	.280	2	<1	30
13...	--	--	--	--	--	--	--	--	--	--
26...	.050	.45	.50	1.0	4.5	.410	.200	6	<1	30

DATE	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
MAY										
12-15	<10	13200	30	<10	<10	140	<10	60	<10	7.0
13...	--	--	--	--	--	--	--	--	--	--
26...	<10	6800	40	40	<10	80	<10	60	<10	16

Table 269.--Water-quality data for station 06712960 Cottonwood Creek above Cherry Creek Lake

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	PH LAB (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
FEB											
18...	1200	E.05	1300	7.8	--	2.0	9.4	2.0	2	461	--
MAY											
12-15	--	--	--	--	--	--	--	4.0	--	268	--
13...	0955	--	--	--	--	--	--	--	400	--	--
14...	0835	--	--	--	--	--	--	--	500	--	--
24-27	--	--	--	--	--	--	--	3.0	--	286	--
JUN											
02-04	--	--	--	--	--	--	--	4.0	--	303	--
17-19	--	--	--	--	--	--	--	5.0	--	240	--
24-25	--	--	--	--	--	--	--	3.0	--	298	--
25-27	--	--	--	--	--	--	--	5.0	--	210	--
28-29	--	--	--	--	--	--	--	3.0	--	230	--
JUL											
28-29	--	--	--	--	8.3	--	--	--	--	94	30
28-29	1246	--	--	--	--	--	--	9.0	--	499	--
AUG											
20-22	--	--	--	--	--	--	--	7.0	--	425	--

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	ALKA-LINITY FIELD (MG/L AS CACO3)	ALKA-LINITY (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)
FEB											
18...	--	--	217	931	22	--	.28	.010	.29	<.050	--
MAY											
12-15	--	129	--	532	1000	--	.55	.040	.59	.160	1.8
13...	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--
24-27	--	143	--	545	305	--	.47	.030	.50	.100	1.2
JUN											
02-04	--	--	--	474	558	--	--	<.010	.31	.210	1.1
17-19	--	138	--	468	137	--	.23	.030	.26	.060	.94
24-25	--	158	--	621	100	--	--	<.010	.35	.150	1.9
25-27	--	123	--	466	175	--	--	<.010	.37	<.050	--
28-29	--	134	--	436	79	--	--	<.010	.13	.090	1.4
JUL											
28-29	4.7	--	--	188	--	3830	.76	.050	.81	.080	7.8
28-29	--	280	--	205	5040	--	.82	.070	.89	.130	8.4
AUG											
20-22	--	184	--	350	1760	--	.31	.050	.36	.160	3.3

Table 269.--Water-quality data for station 06712960 Cottonwood Creek above Cherry Creek Lake--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
FEB											
18...	.30	.59	2.6	.190	--	--	1	<1	10	<10	840
MAY											
12-15	2.00	2.6	11	.950	--	.110	<1	<1	60	<10	38800
13...	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--
24-27	1.30	1.8	8.0	.360	--	<.020	3	<1	30	<10	11500
JUN											
02-04	1.30	1.6	7.1	.540	--	.140	<1	<1	50	<10	23600
17-19	1.00	1.3	5.6	.140	--	.050	<1	<1	20	<10	570
24-25	2.00	2.4	10	.200	--	.120	<1	<1	30	<10	3460
25-27	1.70	2.1	9.2	5.75	--	.060	3	<1	30	<10	5100
28-29	1.50	1.6	7.2	.190	--	.050	<1	<1	30	<10	2470
JUL											
28-29	7.90	8.7	39	.710	2.2	--	20	<1	230	<10	100000
28-29	8.50	9.4	42	4.34	--	.300	--	<1	--	<10	--
AUG											
20-22	3.50	3.9	17	1.51	--	.080	--	<1	--	<10	--

DATE	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
FEB											
18...	--	<10	20	<10	180	--	120	20	--	10	6.0
MAY											
12-15	--	30	30	<10	1200	--	30	140	--	<10	21
13...	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--
24-27	--	30	80	<10	530	--	90	150	--	<10	14
JUN											
02-04	--	<10	70	<10	640	--	40	160	--	<10	16
17-19	--	20	20	<10	260	--	20	70	--	<10	12
24-25	--	20	<10	<10	260	--	<10	60	--	<10	17
25-27	--	20	<10	<10	80	--	<10	60	--	<10	24
28-29	--	20	30	<10	170	--	<10	50	--	<10	8.0
JUL											
28-29	100000	30	200	<100	2200	2200	17	410	400	15	49
28-29	--	20	--	<10	--	--	<10	--	--	<10	68
AUG											
20-22	--	<10	--	<10	--	--	<10	--	--	<10	38

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	BOD OXYGEN DEMAND, BIOCHEM CARBON, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARDNESS (MG/L AS CACO3)	ALKALINITY (MG/L AS CACO3)
NOV										
17...	0845	.45	1200	8.1	1.0	11.8	1.0	15	534	243

DATE	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV									
17...	1050	28	<.010	.05	<.050	<.30	.210	.160	4.0

GROUND-WATER QUALITY-DATA FOR THE WELLS IN THE CHERRY CREEK LAKE BASIN

Ground-water quality-data are presented for the following wells:

Definitions of abbreviations used in the tables are:

0.7 UM-MF = 0.7 micrometer membrane filter
COLS./100 ML = colonies per 100 milliliters
DEG. C = degree Celsius
EC BROTH MPN = EC medium most probable number
MG/L = milligram per liter
ORTHO = orphosphate
UG/L = microgram per liter
UMHOS = micromhos per centimeter at 25°C.

Table 270.--Water-quality data for site 392329104453201

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLI-FORM, FECAL, EC BROTH (MPN)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)
JAN										
28...	0840	3.60	340	6.5	8.5	<2	--	177	279	<.010
FEB										
16...	0930	3.48	270	7.1	10.5	--	2	--	255	<.010
MAR										
22...	0945	3.78	345	7.6	10.5	--	<2	--	242	<.010
APR										
14...	0800	3.93	360	6.8	11.0	--	<1	--	234	<.010
MAY										
18...	0800	3.54	360	6.8	11.0	--	<2	--	326	<.010
JUN										
15...	0815	4.16	370	6.2	11.0	--	<2	--	260	<.010
JUL										
14...	0850	4.69	395	7.1	12.5	--	--	--	258	<.020
14...	0851	4.69	395	7.1	12.5	--	<4	--	258	<.010
AUG										
10...	0920	4.64	385	7.1	13.0	--	--	--	283	.020
10...	0921	4.64	385	7.1	13.0	--	--	--	242	<.010
SEP										
08...	0820	5.16	365	7.0	14.0	--	<1	--	267	<.010

DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4)
JAN									
28...	--	.16	.230	.30	.27	.50	.160	.050	.15
FEB									
16...	--	.27	.280	.36	.22	.50	.540	.510	1.6
MAR									
22...	--	.05	.230	.30	--	<.30	.460	.440	1.3
APR									
14...	--	.04	.240	.31	.16	.40	.680	--	--
MAY									
18...	--	.04	.220	.28	.28	.50	.580	--	--
JUN									
15...	--	.40	.270	.35	.13	.40	.590	--	--
JUL									
14...	--	<.10	.260	.33	1.6	1.9	.640	.460	1.4
14...	--	<.01	.200	.26	.80	1.0	.590	--	--
AUG									
10...	.07	.10	.250	.32	.65	.90	.580	.550	1.7
10...	--	.25	.280	.36	.02	.30	.660	--	--
SEP									
08...	--	.10	.250	.32	.35	.60	.660	--	--

Table 270.--Water-quality data for site 392329104453201--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)
OCT							
26...	0800	4.59	360	6.9	12.0	<1	259
NOV							
16...	0915	4.44	360	7.0	12.0	<1	243
DEC							
08...	0900	4.46	360	6.9	11.0	<1	260

DATE	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)
OCT							
26...	<.010	1.7	.200	.26	1.6	--	2.90
NOV							
16...	<.010	.05	.280	.36	.42	.70	.840
DEC							
08...	<.010	.10	.500	.64	.10	.60	.650

Table 271.--Water-quality data for site 392658104460601

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLI-FORM, FECAL, EC BROTH (MPN)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3)
JAN											
28...	1010	16.70	375	7.0	10.5	<2	--	177	332	--	--
FEB											
16...	1035	16.13	370	7.2	12.0	--	<1	--	166	--	--
MAR											
23...	0930	16.73	370	6.9	11.0	<20	--	--	274	--	--
APR											
15...	0930	17.90	380	6.8	12.0	--	<1	--	253	--	--
MAY											
18...	0925	17.83	395	6.9	13.5	--	<2	--	320	--	--
JUN											
15...	0915	17.28	380	6.9	12.0	--	<2	--	259	--	--
JUL											
14...	1000	18.98	385	7.3	13.5	--	--	--	252	--	--
14...	1001	18.98	385	7.3	13.5	--	<1	--	256	--	--
AUG											
10...	1025	18.69	400	7.2	13.0	--	--	--	306	--	--
10...	1026	18.69	400	7.2	13.0	--	<1	--	255	.82	3.6
SEP											
08...	0915	18.23	400	7.2	12.5	--	<1	--	266	--	--

DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4)
JAN											
28...	<.010	--	.96	.080	.10	--	.42	.50	.360	.070	.21
FEB											
16...	<.010	--	.89	.080	.10	--	--	<.30	.260	.250	.77
MAR											
23...	<.010	--	1.0	<.050	--	--	--	<.30	.500	.100	.31
APR											
15...	<.010	--	.89	.160	.21	--	.54	.70	.350	--	--
MAY											
18...	<.010	--	.69	<.050	--	--	--	2.5	.140	--	--
JUN											
15...	<.010	--	1.1	.070	.09	--	.33	.40	.200	--	--
JUL											
14...	<.020	--	.62	<.060	.08	1.7	--	1.1	.210	.170	.52
14...	<.010	--	.40	<.050	--	--	--	.30	.140	--	--
AUG											
10...	.020	.07	.81	.060	.08	1.6	.74	.80	.250	.220	.67
10...	.010	.03	.83	.070	.09	--	.43	.50	.260	--	--
SEP											
08...	<.010	--	.81	.080	.10	--	--	<.30	.190	--	--

Table 271.--Water-quality data for sit 392658104460601--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)
OCT							
26...	0915	17.10	380	7.0	12.0	<1	261
NOV							
16...	1030	16.83	375	7.6	11.5	<1	232
DEC							
08...	1030	16.37	370	7.4	12.5	<1	262

DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
OCT							
26...	<.010	.81	.040	.05	1.3	--	.460
NOV							
16...	<.010	.92	<.050	--	--	.60	.410
DEC							
08...	<.010	.87	<.010	--	--	<.30	.290

Table 272.--Water-quality data for site 392842104460501

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLI-FORM, FECAL, EC BROTH (MPN)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3)
JAN											
29...	1110	4.00	650	6.4	11.0	<2	--	283	484	--	--
FEB											
16...	1125	4.17	725	6.7	12.0	--	<1	--	512	--	--
MAR											
22...	1235	4.35	775	7.3	11.5	--	4	--	524	--	--
APR											
14...	0955	5.22	840	6.4	12.0	--	<1	--	594	--	--
MAY											
18...	1005	4.92	750	6.7	11.0	--	<1	--	580	--	--
JUN											
15...	1000	5.20	840	6.5	10.5	--	1	--	608	--	--
JUL											
14...	1100	5.39	775	6.9	12.0	--	--	--	539	--	--
14...	1101	5.39	775	6.9	12.0	--	<1	--	521	.06	.27
AUG											
10...	1110	8.27	810	6.8	12.5	--	<1	--	542	.10	.44
SEP											
08...	0950	5.93	610	6.8	12.5	--	<1	--	424	--	--

DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4)
JAN											
29...	<.010	--	.06	<.050	--	--	--	.40	.120	<.120	--
FEB											
16...	<.010	--	.18	<.050	--	--	--	<.30	.120	.050	.15
MAR											
22...	<.010	--	.05	<.050	--	--	--	<.30	.200	.080	.25
APR											
14...	<.010	--	.59	.090	.12	--	.41	.50	.200	--	--
MAY											
18...	<.010	--	.25	.060	.08	--	.44	.50	.100	--	--
JUN											
15...	<.010	--	1.2	.080	.10	--	.32	.40	.150	--	--
JUL											
14...	<.020	--	.15	.080	.10	2.3	2.0	2.1	.110	.070	.21
14...	.010	.03	.07	<.070	--	--	--	.60	.080	--	--
AUG											
10...	.010	.03	.11	.070	.09	--	.53	.60	.230	--	--
SEP											
08...	<.010	--	.07	.180	.23	--	.52	.70	.200	--	--

Table 272.--Water-quality data for site 392842104460501--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)
OCT							
26...	1005	4.70	640	7.0	12.5	<1	444
NOV							
16...	1115	4.45	760	6.9	12.0	<1	489
DEC							
08...	1130	4.38	745	7.2	11.5	<1	538

DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
OCT							
26...	<.010	.13	.150	.19	1.5	--	.410
NOV							
16...	<.010	.12	.080	.10	.52	.60	.340
DEC							
08...	<.010	.24	.120	.15	.28	.40	.350

Table 273.--Water-quality data for site 393101104455201

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLI-FORM, FECAL, EC BROTH (MPN)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3)
JAN											
28...	1310	22.80	530	6.8	12.0	<2	--	237	401	--	--
MAR											
23...	0800	22.79	540	7.5	11.0	<20	--	--	369	2.50	11
APR											
15...	1030	22.77	540	6.7	13.0	--	--	--	351	--	--
MAY											
18...	1110	22.85	560	7.2	13.0	--	--	--	420	--	--
JUN											
15...	1050	22.82	540	6.9	12.0	--	<2	--	371	--	--
JUL											
15...	1150	22.81	600	7.3	13.5	--	--	--	395	--	--
15...	1151	22.81	600	7.3	13.5	--	--	--	377	--	--
AUG											
10...	1215	23.86	625	7.2	13.5	--	--	--	381	5.00	22
SEP											
08...	1025	23.44	550	7.0	13.0	--	80	--	369	--	--

DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4)
JAN											
28...	<.010	--	3.0	.060	.08	--	.54	.60	.130	.120	.37
MAR											
23...	.050	.16	2.6	.060	.08	--	.54	.60	.100	.100	.31
APR											
15...	<.010	--	3.4	.110	.14	--	1.1	1.2	.200	--	--
MAY											
18...	<.010	--	3.4	.050	.06	--	.25	.30	.100	--	--
JUN											
15...	<.010	--	3.2	<.050	--	--	--	.40	.100	--	--
JUL											
15...	<.020	--	5.4	.120	.15	8.9	3.4	3.5	.120	.130	.40
15...	<.010	--	5.6	<.100	--	--	--	<.30	.090	--	--
AUG											
10...	.010	.03	5.0	.090	.12	--	.31	.40	.170	--	--
SEP											
08...	<.010	--	3.8	.140	.18	--	.26	.40	.090	--	--

Table 273.--Water-quality data for site 393101104455201--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)
OCT							
26...	1100	23.93	540	7.1	12.0	<1	365
NOV							
16...	1200	23.58	530	7.2	12.0	<1	326
DEC							
08...	1205	23.29	540	7.1	11.0	<1	380

DATE	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)
OCT							
26...	<.010	4.8	.170	.22	1.5	--	.350
NOV							
16...	<.010	5.2	.140	.18	--	<.30	.360
DEC							
08...	<.010	5.5	.100	.13	.40	.50	.220

Table 274.--Water-quality data for site 393234104465601

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)
SEP							
08...	0710	24.32	645	6.6	11.0	<1	440

DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
SEP							
08...	.020	.07	2.8	.060	.08	<.30	.020

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)
OCT							
26...	1150	19.35	620	7.2	12.0	<1	428
NOV							
17...	0915	18.78	550	7.2	11.0	<1	387
DEC							
08...	1255	17.82	540	7.2	11.0	<1	397

DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
OCT							
26...	<.010	1.5	.060	.08	1.7	--	.300
NOV							
17...	<.010	1.3	<.050	--	--	.50	.250
DEC							
08...	<.010	1.3	.040	.05	1.9	1.9	.170

Table 275.--Water-quality data for site 393416104481701

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLI-FORM, FECAL, EC BROTH (MPN)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3)
JAN											
29...	1010	17.00	480	7.2	11.0	<2	--	268	404	--	--
FEB											
16...	1230	17.15	500	7.4	13.0	--	<4	--	320	--	--
MAR											
23...	1215	17.25	440	7.4	12.0	--	--	--	288	--	--
APR											
15...	1210	17.33	455	6.8	12.5	--	<1	--	285	--	--
MAY											
19...	0935	16.20	580	7.1	13.0	--	250	--	393	--	--
JUN											
15...	1255	16.80	520	7.0	13.0	--	10	--	302	1.90	8.4
JUL											
14...	1210	16.13	575	7.3	14.5	--	--	--	381	7.60	34
14...	1211	16.13	575	7.3	14.5	--	--	--	356	6.90	31
AUG											
10...	1330	16.00	560	7.2	15.0	--	--	--	347	8.00	35
SEP											
08...	1120	16.26	520	7.0	14.5	--	<1	--	331	--	--

DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4)
JAN											
29...	<.010	--	8.0	<.050	--	--	--	.50	.080	<.080	--
FEB											
16...	<.010	--	2.7	<.050	--	--	--	<.30	.100	<.020	--
MAR											
23...	<.010	--	.68	<.050	--	--	--	.40	<.020	<.020	--
APR											
15...	<.010	--	.91	.090	.12	--	.31	.40	.080	--	--
MAY											
19...	<.010	--	11	.050	.06	--	5.0	5.0	.210	--	--
JUN											
15...	.050	.16	2.0	.070	.09	--	.53	.60	<.020	--	--
JUL											
14...	.020	.07	7.6	.070	.09	9.1	1.4	1.5	.410	.190	.58
14...	.020	.07	6.9	<.050	--	--	--	.80	.180	--	--
AUG											
10...	.020	.07	8.0	<.050	--	--	--	.60	.300	--	--
SEP											
08...	<.010	--	4.2	<.050	--	--	--	.80	.210	--	--

Table 275.--Water-quality data for site 393416104481701--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)
OCT							
27...	1125	17.12	400	7.4	15.0	2	265
NOV							
16...	1300	17.34	425	7.3	13.0	<1	237
DEC							
08...	1340	17.52	400	7.5	11.5	<1	269

DATE	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)
OCT							
27...	<.010	1.1	.180	.23	3.0	--	.520
NOV							
16...	<.010	.80	<.050	--	--	<.30	.200
DEC							
08...	<.010	.54	.200	.26	.80	1.0	.360

Table 276.--Water-quality data for site 393451104480601

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLI-FORM, FECAL, EC BROTH (MPN)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3)
JAN											
29...	0920	11.95	750	6.9	10.0	<2	--	330	566	2.80	12
FEB											
16...	1315	12.56	825	7.0	10.0	--	<4	--	599	--	--
MAR											
23...	1100	11.42	950	7.4	7.5	--	--	--	650	--	--
APR											
14...	1130	11.68	950	6.6	11.0	--	<1	--	652	--	--
MAY											
18...	1300	11.22	860	6.9	10.0	--	<1	--	641	--	--
JUN											
15...	1215	13.68	850	6.9	10.0	--	<1	--	569	--	--
JUL											
15...	1040	15.59	850	7.2	12.5	--	--	--	580	--	--
15...	1041	15.59	850	7.2	12.5	--	<1	--	563	.94	4.2
AUG											
11...	1010	18.97	790	7.2	13.0	--	<1	--	595	--	--
SEP											
09...	0925	20.42	850	7.1	13.0	--	53	--	684	1.40	6.2

DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4)
JAN											
29...	.020	.07	2.8	<.050	--	--	--	.40	.070	.120	.37
FEB											
16...	<.010	--	2.5	<.050	--	--	--	.40	.030	<.020	--
MAR											
23...	<.010	--	1.9	<.050	--	--	--	.50	.200	.100	.31
APR											
14...	<.010	--	1.1	.060	.08	--	.34	.40	.160	--	--
MAY											
18...	<.010	--	2.0	.050	.06	--	1.5	1.5	.100	--	--
JUN											
15...	<.010	--	1.1	<.050	--	--	--	.40	.150	--	--
JUL											
15...	<.020	--	1.5	<.060	.08	3.3	--	1.8	.180	.150	.46
15...	.010	.03	.95	<.050	--	--	--	<.30	.180	--	--
AUG											
11...	<.010	--	1.6	<.050	--	--	--	<.30	.230	--	--
SEP											
09...	.020	.07	1.4	.200	.26	--	.20	.40	.160	--	--

Table 276.--Water-quality data for site 393451104480601--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)
OCT							
26...	1300	18.02	990	6.9	13.5	<1	701
NOV							
17...	0800	17.19	990	6.9	12.0	1	741
DEC							
09...	0815	16.46	1000	6.9	12.0	<1	704

DATE	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)
OCT							
26...	<.010	.06	.310	.40	1.2	--	.880
NOV							
17...	<.010	1.3	.080	.10	.62	.70	.330
DEC							
09...	<.010	.73	<.050	--	--	<.30	.230

Table 277.--Water-quality data for site 393609104501501

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)
JAN											
27...	1240	30.22	650	7.3	11.0	--	280	423	--	--	<.010
FEB											
17...	1330	28.30	650	7.1	12.0	--	--	532	6.90	31	.010
MAR											
24...	1130	26.90	690	7.2	12.0	<1	--	418	--	--	<.010
APR											
16...	1130	28.45	675	6.9	11.5	<1	--	430	--	--	<.010
MAY											
20...	1000	23.80	700	6.8	12.0	<1	--	474	6.00	27	.010
JUN											
16...	1220	17.20	1750	7.2	12.0	<1	--	1500	--	--	<.010
JUL											
14...	1315	12.82	1675	7.7	13.5	--	--	1270	--	--	<.020
14...	1316	12.82	1675	7.7	13.5	<1	--	911	--	--	<.010
AUG											
11...	1100	13.20	1575	7.4	14.5	<10	--	1137	--	--	<.010
SEP											
09...	1020	18.50	1040	7.1	13.0	4	--	718	--	--	<.010

DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4)
JAN										
27...	--	7.1	<.050	--	--	--	<.05	<.020	.030	.09
FEB										
17...	.03	6.9	<.050	--	--	--	<.30	.040	<.020	--
MAR										
24...	--	6.2	<.050	--	--	--	<.30	<.020	<.020	--
APR										
16...	--	6.7	<.050	--	--	--	<.03	.030	--	--
MAY										
20...	.03	6.0	.050	.06	--	--	<.30	<.020	--	--
JUN										
16...	--	2.8	.060	.08	--	.74	.80	.050	--	--
JUL										
14...	--	1.8	.130	.17	3.4	1.5	1.6	.080	.020	.06
14...	--	1.4	<.050	--	--	--	1.2	.060	--	--
AUG										
11...	--	.88	<.050	--	--	--	.30	.110	--	--
SEP										
09...	--	3.4	<.050	--	--	--	<.30	<.020	--	--

Table 277.--Water quality data for site 393609104501501--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)
OCT							
27...	1300	17.51	940	6.9	13.0	<1	600
NOV							
17...	1030	17.45	900	7.3	12.0	<1	599
DEC							
09...	0930	18.47	900	7.4	13.0	<1	621

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)
OCT							
27...	<.010	4.8	.100	.13	1.8	--	.180
NOV							
17...	<.010	5.2	<.050	--	--	.50	.140
DEC							
09...	<.010	5.1	<.050	--	--	<.30	.080

Table 278.--Water-quality data for site 393617104493901

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, EC BROTH (MPN)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)
MAR											
24...	0930	29.39	550	7.8	12.0	<20	--	353	3.40	15	.020
APR											
16...	1240	31.52	540	7.1	11.0	--	--	356	5.70	25	.050
MAY											
20...	0750	29.80	535	6.9	13.0	--	--	395	7.50	33	.020
JUN											
16...	0910	29.98	530	7.2	12.5	--	<1	387	--	--	<.010
JUL											
16...	0900	30.20	515	7.5	13.5	--	--	350	--	--	<.020
16...	0901	30.20	515	7.5	13.5	--	<1	325	6.90	31	.020
AUG											
11...	1220	31.49	480	7.7	13.5	--	--	306	--	--	<.010
SEP											
10...	0840	31.02	470	7.4	7.4	--	2	320	--	--	<.010

DATE	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4)
MAR										
24...	.07	3.4	<.050	--	--	--	<.30	.180	.050	.15
APR										
16...	.16	5.8	.150	.19	--	--	<2.0	.300	--	--
MAY										
20...	.07	7.5	.060	.08	--	--	<.30	<.020	--	--
JUN										
16...	--	7.1	<.050	--	--	--	.40	.140	--	--
JUL										
16...	--	7.8	.070	.09	9.4	1.5	1.6	.050	.080	.25
16...	.07	6.9	.090	.12	--	--	<.30	.060	--	--
AUG										
11...	--	8.7	<.050	--	--	--	.50	.190	--	--
SEP										
10...	--	7.8	.070	.09	--	.23	.30	.100	--	--

Table 278.--Water-quality data for site 393617104493901--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)
OCT							
28...	1140	30.66	475	7.5	11.0	<1	318
NOV							
17...	1145	30.45	475	7.5	12.0	<4	330
DEC							
09...	1130	30.32	485	7.6	12.0	<2	248

DATE	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)
OCT							
28...	<.010	8.6	.180	.23	1.5	--	.260
NOV							
17...	<.010	9.1	<.050	--	--	<.30	.300
DEC							
09...	<.010	9.0	<.050	--	--	<.30	.160

Table 279.--Water-quality data for site 393618104505001

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLI-FORM, FECAL, EC BROTH (MPN)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3)
JAN											
27...	1115	11.20	1500	7.3	12.0	<20	--	454	1050	--	--
FEB											
18...	1230	11.23	1350	7.1	16.5	<2	--	--	1000	--	--
MAR											
23...	1300	11.20	640	7.6	12.0	--	--	--	429	--	--
APR											
14...	1245	11.10	790	7.2	20.0	--	<1	--	521	--	--
MAY											
19...	1325	10.76	740	7.1	17.0	--	<1	--	618	--	--
JUN											
15...	1330	10.86	910	7.3	14.5	--	<2	--	631	--	--
JUL											
15...	1310	11.29	1150	7.7	19.0	--	--	--	788	--	--
15...	1311	11.29	1150	7.7	19.0	--	<1	--	743	--	--
AUG											
11...	1145	11.14	900	7.7	19.5	--	--	--	567	--	--
SEP											
09...	1115	11.02	640	7.7	14.0	--	1	--	425	.13	.58

DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4)
JAN										
27...	<.010	--	.04	<.050	--	--	.50	.170	<.020	--
FEB										
18...	<.010	--	<.03	.050	.06	--	<.30	.060	.070	.21
MAR										
23...	<.010	--	.03	.110	.14	--	<.30	.100	<.100	--
APR										
14...	<.010	--	.07	.110	.14	.19	.30	.080	--	--
MAY										
19...	<.010	--	.15	.090	.12	.61	.70	<.020	--	--
JUN										
15...	<.010	--	.24	.080	.10	.42	.50	<.020	--	--
JUL										
15...	<.020	--	<.10	.130	.17	2.4	2.5	.060	.020	.06
15...	<.010	--	.04	.060	.08	.54	.60	<.020	--	--
AUG										
11...	<.010	--	.10	.060	.08	--	<.30	.100	--	--
SEP										
09...	.010	.03	.14	.070	.09	--	<.30	<.020	--	--

Table 279.--Water-quality data for site 393618104505001--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)
OCT							
28...	0930	11.02	600	7.5	13.0	<1	406
NOV							
16...	1350	11.01	750	7.7	15.0	<1	471
DEC							
09...	1030	10.60	1025	7.9	15.0	1	666

DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
OCT							
28...	<.010	.05	.160	.21	1.4	--	.200
NOV							
16...	<.010	.09	.080	.10	--	<.30	.190
DEC							
09...	<.010	.09	.070	.09	--	<.30	.070

Table 280.--Water-quality data for site 393634104501301

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLI-FORM, FECAL, EC BROTH (MPN)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3)
JAN											
27...	1320	31.02	850	7.4	11.0	<20	--	341	617	--	--
FEB											
17...	1210	31.10	800	7.4	12.5	<2	--	--	618	4.50	20
MAR											
24...	1230	31.22	840	7.2	11.0	--	<1	--	555	--	--
APR											
15...	1320	31.32	850	7.2	12.0	--	<1	--	562	4.00	18
MAY											
19...	1050	31.26	1000	7.3	14.0	--	<4	--	688	1.40	6.2
JUN											
16...	1010	30.76	740	7.0	12.0	--	<2	--	508	.99	4.4
JUL											
16...	1005	30.69	1080	7.7	13.0	--	--	--	744	4.40	19
16...	1006	30.69	1080	7.7	13.0	--	15	--	676	4.00	18
AUG											
11...	1305	28.66	950	7.4	13.0	--	--	--	578	2.90	13
SEP											
10...	0940	30.13	1140	7.3	12.0	--	16	--	776	--	--

DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4)
JAN											
27...	<.010	--	4.4	<.050	--	--	--	1.0	.450	.080	.25
FEB											
17...	.050	.16	4.6	.070	.09	--	.93	1.0	.140	.020	.06
MAR											
24...	<.060	--	4.1	.070	.09	--	--	<.30	<.020	<.020	--
APR											
15...	.240	.79	4.2	.090	.12	--	.21	<.30	.070	--	--
MAY											
19...	.030	.10	1.4	.110	.14	--	2.4	2.5	.100	--	--
JUN											
16...	.010	.03	1.0	<.050	--	--	--	.60	.100	--	--
JUL											
16...	.020	.07	4.4	<.060	.08	5.9	--	1.5	.040	.040	.12
16...	.030	.10	4.0	<.010	--	--	--	.40	.030	--	--
AUG											
11...	.030	.10	3.0	.070	.09	--	.53	.60	.170	--	--
SEP											
10...	<.010	--	.22	.160	.21	--	.94	1.1	<.020	--	--

Table 280.--Water-quality data for site 393634104501301--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3)
OCT									
28...	1040	29.43	1025	7.3	10.5	7	685	1.40	6.2
NOV									
17...	1220	29.97	1100	7.3	11.0	1	734	--	--
DEC									
09...	1215	30.09	1160	7.2	11.0	<1	686	--	--

DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
OCT								
28...	.130	.43	1.5	.310	.40	1.6	--	.260
NOV								
17...	<.010	--	2.0	<.050	--	--	<.30	.200
DEC								
09...	<.010	--	2.9	<.050	--	--	<.30	.120

Table 281.--Water-quality data for site 393636104483401

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, EC BROTH (MPN)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARDNESS (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3)
JAN											
29...	1300	42.20	700	6.7	11.0	<20	--	304	698	--	--
FEB											
17...	1015	42.18	710	6.8	12.0	<2	--	--	726	2.50	11
MAR											
24...	0740	42.25	700	7.1	12.0	<20	--	--	494	--	--
APR											
15...	0730	42.30	700	7.1	13.0	--	--	--	500	--	--
MAY											
19...	0740	42.65	745	7.1	13.0	--	--	--	582	--	--
JUN											
16...	0800	42.94	750	6.7	13.0	--	--	--	585	--	--
JUL											
15...	0845	43.19	750	8.0	16.0	--	--	--	561	--	--
15...	0846	43.19	750	8.0	16.0	--	--	--	542	--	--
AUG											
11...	0820	43.29	790	7.5	14.5	--	<1	--	534	3.20	14
SEP											
09...	0815	43.41	790	7.7	14.0	--	4	--	562	3.20	14

DATE	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4)
JAN											
29...	<.010	--	1.9	.070	.09	--	.43	.50	.210	.250	.77
FEB											
17...	.020	.07	2.5	.100	.13	--	1.5	1.6	.570	.060	.18
MAR											
24...	<.010	--	2.3	<.050	--	--	--	.40	.080	<.080	--
APR											
15...	<.010	--	2.3	.150	.19	--	.35	.50	.100	--	--
MAY											
19...	<.010	--	2.5	<.050	--	--	--	5.0	.070	--	--
JUN											
16...	<.010	--	2.1	<.050	--	--	--	.60	.090	--	--
JUL											
15...	<.020	--	3.0	<.060	.08	5.7	--	2.7	.100	.080	.25
15...	<.010	--	2.8	<.050	--	--	--	<.30	.020	--	--
AUG											
11...	.020	.07	3.2	<.050	--	--	--	<.30	.110	--	--
SEP											
09...	.040	.13	3.2	.060	.08	--	.44	.50	.250	--	--

Table 281.--Water-quality data for site 393636104483401--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)
OCT							
27...	0955	43.44	775	7.4	13.0	<1	558
NOV							
17...	1320	43.45	775	7.4	12.5	<4	555
DEC							
09...	1315	43.38	790	7.6	12.0	<4	486

DATE	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)
OCT							
27...	<.010	3.5	.120	.15	1.3	--	.240
NOV							
17...	<.010	3.5	<.050	--	--	<.30	.170
DEC							
09...	<.010	3.5	.070	.09	--	<.30	.130

REFERENCE

Thiessen, A. H., 1911, Precipitation for large areas: Monthly Review, 1933, p. 1082-1089.

GLOSSARY

ambient water-quality sample.--Water-quality sample collected during nonstorm runoff period.

basin drainage.--A region or area bounded by a drainage divide and occupied by a drainage system; specifically the tract of country that gathers water originating as precipitation and contributes it to a particular stream channel or system of channels or to a lake, reservoir, or other body of water.

eutrophication.--Enrichment of water, a natural process that may be accelerated by the activities of man; pertaining to waters on which primary production is high as a consequence of a large supply of available nutrients.

hydrograph.--A graph showing rate of flow with respect to time.

load.--The total amount of constituents in storm runoff, for a specified period of time, discharged into a receiving water.

receiving water.--"Natural" body of water that receives runoff from one or more catchments; this may be a tributary, river, estuary, bay, lake, or other body of water.

storm runoff.--Storm-generated surface runoff from a drainage area. The term may relate to either the quantity or quality of the runoff or both, depending upon its application.

stream ephemeral.--A stream that flows in direct response to precipitation.

subbasin drainage.--A part of a drainage basin that may be treated as a unit based on drainage characteristics.

Thiessen coefficient.--A proportion of the area of the basin or subbasin represented by each rain gage.

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